

BENSALEM TOWNSHIP

Building and Planning Department 2400 Byberry Road • Bensalem PA 19020 215-633-3644 • FAX 215-633-3653

Exhibit Z-4

Zoning Hearing Board

Appeal	Number:				
		Township of Bensalem, Bucks County, Pennsylvania Notice of Appeal			
	is hereby ma applicable i	ade by the undersigned from the action of the Zoning Officer. tem(s):			
	Certification of Non-Conforming Use				
	Application	for Validity Challenge			
	Administrative Officer in refusing my application for a building permit dated:				
	Special Exc	ception			
x	Variance fro	om the terms of the Zoning Ordinance of the Township of Bensalem			
Appell	ant Name:	Michael Alexander			
Addres	ss:	111 Beechwood Drive, Washington Crossing, Pa. 18977			
Phone	No.	215-431-7080			
E-Mail	Address:	Alexanderproperties@gamil.com			
Owner	r's Name:	Michael Alexander			
Address:		111 Beechwood Drive, Washington Crossing, Pa. 18977			
Phone No.		215-431-7080			
E-Mail Address:		Alexanderproperties@gamil.com			
Attorn	ey Name:				
Addres	ss:				
Phone	No.				
Interes	st of appellar	nt, if not owners (agent, lessee, etc.):			

1. Application relates to the following:					
Check it	ems if applicable:				
	Use		Lot Area		
	Height		Yards		
	Existing Building		Proposed Building		
	Occupancy				
X	Other: (describe) <u>Dri</u>	veway			
2. Brief	description of Real Esta	nte affecte	d:		
Tax Parc	cel Number:	020043	134		
Location	:	3329 W	I. End Ave Trevose, Pa. 19053		
Lot Size:		3563 s	sf		
Present	Use:	Single Family Home			
Propose	d Use:	Single	e Family Home		
Present 2	Zoning Classification:	R-2			
Present	Improvement upon Land:				
Deed red	corded at Doylestown in [Deed Book	2269 Page 1179		
	is an appeal to challeng g ordinance.	je, provid	e statement and/or basis for challenge to the validity of the		
There	is a driveway on	the pro	perty that meets the size requirement to fit		
2 cars	with off street	parking	g. However, both cars would not have access to		
the st	reet. Adding anot	her spa	ce would exceed impervious surface requirements.		
4. If this	is an Appeal from action	on of the Z	Zoning Administrative Officer then complete the following:		
Date De	termination was made:				
Your sta	tement of alleged error of	Zoning A	dministrative Office:		

My	y commission expires:
Not	tary Public
	day of 200
Sw	orn to and subscribed before me this
A S	SIGNED COPY OF THIS APPLICATION IS REQUIRED UPON SUBMISSION OF DOCUMENTS
Αŗ	opellant's or Owner's Signature Date 8/10/22
	nereby depose and say that all of the above statements and the statements contained in any papers plans submitted herewith, are true to the best of my knowledge and belief.
	pecifications of errors must state separately the appellant's objections to the action of the zoning distribution and fact which is sought to be reviewed.
4.	Has previous appeal or application for special exception or variance been filed in connection with these premises? YES NO
	o both Spots simultaneously without exceeding impervious surface.
	e have provided 2 off-street parking spaces but cannot allow street access
3.	Reasons appellant believes board should approve desired action (refer to section or sections of ordinance under which it is felt that desired action may be allowed, and not whether hardship is (or is not) claimed, and the specific hardship.
R	eceive a variance to allow it to remain as is.
A	ppellant is asking for the township to allow the existing driveway to
2.	Action desired by appellant or applicant (statement of relief sought or special exception or variance desired):
-	232-586 Section C1 & 232-167 Section D1
	Specific reference to section of the Zoning Ordinance upon which application for special exception or variance is based (if special or variance is desired):

EROSION AND SEDIMENTATION CONTROL NOTES:

- THE EROSION AND SEDIMENTATION CONTROL DEVICES REFERENCED IN THIS PLAN HAVE BEEN DESIGNED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) CHAPTER 102 REGULATIONS. THESE REGULATIONS ARE OUTLINED IN THE PADEP BUREAU OF WATER QUALITY PROTECTION
- PUBLICATION, "EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL", CURRENT EDITION. THE FOLLOWING EROSION AND SEDIMENTATION CONTROL MEASURES AND FACILITIES SHALL BE UTILIZED IN CONTROLLING AND PREVENTING EROSION AND SEDIMENTATION.
- VEGETATED SURFACE STABILIZATION VEGETATION WILL BE USED AS A CONTROL MEASURE TO ACHIEVE EITHER TEMPORARY OR PERMANENT STABILIZATION OF DISTURBED EARTH SURFACES. SUCH MEASURES WILL BE CONSIDERED IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE IS ACHIEVED.
- SEED SPECIFICATIONS, LIMING, FERTILIZING AND SEEDING MIXTURES ARE BASED ON RECOMMENDATIONS SET FORTH IN THE PENN STATE UNIVERSITY'S 1991-92, THE AGRONOMY GUIDE AND SECTION 804 AND 805 OF PENNDOT PUBLICATION 408, CURRENT EDITION.
- THE FOLLOWING LIMING, FERTILIZING AND SEEDING MIXTURES SHALL BE APPLIED IN CONFORMANCE WITH APPLICABLE SPECIFICATIONS OF SECTION 804 OF PENNDOT PUBLICATION 408. APPLY MULCH IN ACCORDANCE WITH APPLICABLE

SPECIFICATIONS OF SECTION 805 OF PENNDOT PUBLICATION 408. SEEDING, LIMING & FERTILIZER TYPEAPPLICABLE RATE TEMPORARY SEEDING SEEDING DATES ANNUAL RYE GRASS MARCH 15 -40 LB./AC LIMESTONE 1 TON/AC. OCTOBER 15 FERTILIZER (10-10-10) 50 LB./AC. MULCH (HAY OR STRAW) 3 TON/AC. PERMANENT SEEDING PERENNIAL RYE GRASS 15 LB./AC.* MARCH 15 -TALL FESCUE 60 LB./AC. JUNE 1 ANNUAL RYE GRASS 10 LB./AC. AUGUST 1 -LIMESTONE 2 TON/AC. FERTILIZER (10-20-20) 700 LB./AC. OCTOBER 15 SLOW RELEASE NITROGEN FERTILIZER 242 LB./AC. (38-0-0 UREAFORM FERTILIZER)

* INDICATES QUANTITY OF PURE LIVE SEED

MULCH (HAY OR STRAW)

INTERIM SURFACE STABILIZATION - THIS WORK WILL CONSIST OF PLACING MATERIALS TO PREVENT WASH OR EROSION OF SEEDED PROJECT AREAS UNTIL A UNIFORM VEGETATIVE COVER IS ACHIEVED, OR TO ALLOW THE CONVEYANCE OF FLOWS IN PROJECT WATER CHANNELS AT VELOCITIES HIGHER THAN WHAT IS PERMISSIBLE WITH BARE EARTH CHANNELS. MULCHING WITHOUT SEEDING CAN BE USED AS AN INTERIM STABILIZATION CONTROL DURING NON-GROWING SEASONS OF THE YEAR.

3 TON/AC.

- 7.1. MULCHING: MULCH MATERIALS, MULCH BINDERS, CONSTRUCTION AND MAINTENANCE OF THESE PRODUCTS WILL BE IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN SECTION 806, PENNDOT PUBLICATION 408. COMMERCIALLY PRODUCED MATTING AND BLANKETS: REQUIREMENTS FOR MATERIALS, CONSTRUCTION AND MAINTENANCE OF THESE PRODUCTS WILL BE IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN SECTION 806, PENNDOT
- 7.3. SODDING: SEEDING MATERIALS, CONSTRUCTION AND MAINTENANCE WILL BE IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN SECTION 809, PENNDOT PUBLICATION 408.
- 8. SILT FENCE SILT FENCING WILL BE INSTALLED AS A SEDIMENT BARRIER AND IS TO BE PLACED BELOW AREAS THAT ARE TO BE DISTURBED. SILT FENCING WILL BE INSTALLED AS A SEDIMENT BARRIER AND IS TO BE PLACED BELOW AREAS THAT ARE
 TO BE DISTURBED. SILT FENCE SHOULD BE INSTALLED LEVEL TO THE SLOPE WITH BOTH ENDS OF A FENCE SECTION
 EXTENDING UP THE SLOPE SO THAT THE BOTTOM OF THE FENCE SHALL END AT THE TOP OF THE FENCE ELEVATION. SILT
 FENCE LOCATION IS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS OF THIS DRAWING SET.
- ROCK CONSTRUCTION ENTRANCE ROCK CONSTRUCTION ENTRANCES ARE CONSTRUCTED OF A MINIMUM 8" OF AASHTO NO. 1 ROCK ON A PENNDOT CLASS 2 GEOTEXTILE FABRIC, THE DIMENSIONS ARE PROVIDED ON THE DETAIL SHOWN ON THE EROSION AND SEDIMENTATION CONTROL DETAILS SHEET OF THIS PLAN SET. THE ROCK CONSTRUCTION ENTRANCE IS LOCATED AT ALL ACCESS POINTS TO THE SITE TO PREVENT THE TRACKING OF MUD ONTO PAVED STREETS. THE LOCATIONS OF ROCK CONSTRUCTION ENTRANCES ARE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS OF THIS DRAWING ACCESS TO THE SITE IS NOT PERMITTED THROUGH OTHER LOCATIONS.
- 10. ROCK FILTER OUTLET ROCK FILTER OUTLETS ARE CONSTRUCTED OF AASHTO NO 1 STONE AND AASHTO NO. 57 STONE.
 THEY ARE TO BE PLACED IN LINE WITH THE SILT FENCE IN AREAS OF CONCENTRATED FLOW.

11. THE CONTRACTOR SHALL SCHEDULE AND CONDUCT OPERATIONS TO MINIMIZE SOIL EROSION, SEDIMENTATION AND AIR/WATER

- POLLUTION. WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE PERIOD OF EXPOSURE MUST BE MINIMIZED. THE CONTRACTOR SHALL STOCKPILE WOOD CHIPS, MULCHING AND/OR TEMPORARY SEEDING TO APPLY TO EXPOSED AREAS, AS NECESSARY. TO CONTROL EROSION.
- 12. EXCAVATED MATERIALS SHALL BE STOCKPILED ON UPPER SLOPES OF TRENCHES OR ROADWAYS SUCH THAT RUNOFF WILL BE IMPEDED FROM CROSSING THE BARE EARTH.
- 13. SOIL EROSION CONTROLS SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO THE START OF EARTH MOVING ACTIVITIES AND MAINTAINED UNTIL FINAL STABILIZATION.
- 14. CONTRACTOR SHALL REMOVE ACCUMULATIONS OF SILT AND DEBRIS IN SEDIMENT FILTERS, BASINS AND REPAIR OR RECONSTRUCT EROSION CONTROLS AFTER EACH STORM EVENT DURING CONSTRUCTION; AND AS REQUIRED TO MAINTAIN
- 15. PRIOR TO SUSPENSION OF CONSTRUCTION OPERATIONS FOR 15 DAYS OR MORE, THE CONTRACTOR SHALL SHAPE EARTHWORK IN A MANNER THAT WILL PERMIT STORM RUNOFF WITH A MINIMUM OF EROSION. EXPOSED SURFACES AND CUT
- 16. PROPOSED PERMANENT SURFACE MATERIALS SHALL BE INSTALLED AS SOON AS CONSTRUCTION OPERATIONS ALLOW. UPON ANY CESSATION OF EARTH DISTURBANCE ACTIVITIES, ALL EXPOSED AREAS SHALL BE PROMPTLY STABILIZED WITHIN 3 DAYS.
- 17. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER AREAS REACH FINAL GRADE THEY MUST BE STABILIZED. UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITIES, OR ANY STAGE THEREOF IN SPECIAL PROTECTION WATERSHEDS, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. STABILIZATION SHALL BE COMPLETED

GENERAL EROSION CONTROL NOTES

- . THE CONTRACTOR SHALL SCHEDULE AND CONDUCT OPERATIONS TO MINIMIZE SOIL EROSION, SEDIMENTATION AND AIR-WATER POLLUTION. WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE PERIOD OF EXPOSURE MUST BE MINIMIZED. THE CONTRACTOR SHALL STOCKPILE WOOD CHIPS, MULCHING AND/OR TEMPORARY SEEDING TO APPLY TO EXPOSED AREAS, AS NECESSARY. TO CONTROL EROSION.
- 2. EXCAVATED MATERIALS SHALL BE STOCKPILED ON UPPER SLOPES OF TRENCHES OR ROADWAYS SUCH THAT RUNOFF WILL BE IMPEDED FROM CROSSING THE BARE EARTH.
- 3. SOIL EROSION CONTROLS SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO THE START OF EARTH-MOVING ACTIVITIES AND MAINTAINED UNTIL FINAL STABILIZATION.
- 4. CONTRACTOR SHALL REMOVE ACCUMULATIONS OF SILT AND DEBRIS IN SEDIMENT FILTERS, BASINS AND REPAIR OR RECONSTRUCT EROSION CONTROLS AFTER EACH STORM EVENT DURING CONSTRUCTION; AND AS REQUIRED TO MAINTAIN EFFECTIVE EROSION
- 5. PRIOR TO THE SUSPENSION OF CONSTRUCTION OPERATIONS FOR APPRECIABLE LENGTHS OF TIME, THE CONTRACTOR SHAL SHAPE EARTHWORK IN A MANNER THAT WILL PERMIT STORM RUNOFF WITH A MINIMUM OF EROSION. EXPOSED SURFACES AND CUT SLOPES SHALL BE PROPERLY SEEDED AND STABILIZED.
- 6. PROPOSED PERMANENT SURFACE MATERIALS SHALL BE INSTALLED AS SOON AS CONSTRUCTION OPERATIONS ALLOW. AREAS EXPECTED TO BE EXPOSED FOR MORE THAN TWENTY (20) CALENDAR DAYS SHALL BE PROMPTLY STABILIZED.
- 7. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
- 8. UNTIL THE SITE IS STABILIZED (70% MINIMUM), ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH STORM EVENT ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN-OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING AND RE-NETTING, MUST BE PERFORMED.

PA ACT 187 COMPLIANCE:

- THE LISTED UTILITIES MAY HAVE UNDERGROUND AND/OR OVERHEAD LINES OR STRUCTURES IN THE WORK AREA. IN ACCORDANCE WITH ACT 187, THE ENGINEER HAS NOTIFIED THE LISTED ORGANIZATIONS REGARDING THE PROPOSED PROJECT AND INDICATED UTILITIES ON THE PLANS BASED ON INFORMATION AVAILABLE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT EACH UTILITY LISTED AT LEAST 3 DAYS BEFORE CONSTRUCTION BEGINS FOR PURPOSES OF: REQUESTING THE UTILITY TO FIELD LOCATE ITS LINES AND STRUCTURES; INITIATE COOPERATION WHICH WILL AVOID DAMAGE REQUEST PROCEDURES WHICH WILL AVOID DAMAGES.
- ALSO, THE CONTRACTOR SHALL: INFORM EACH OPERATOR, EMPLOYED BY HIM AT THE SITE OF SUCH WORK, OF THE INFORMATION REPORT IMMEDIATELY TO THE UTILITY ANY BREAK OR LEAK IN ITS LINES, OR ANY DENT, GOUGE, GROOVE, OR OTHER DAMAGE TO SUCH LINES OR TO THEIR COATING OR CATHODIC PROTECTION, MADE OR DISCOVERED IN THE COURSE OF THE EXCAVATION OR DEMOLITION WORK; ALERT IMMEDIATELY THE OCCUPANTS OF PREMISES AS TO ANY EMERGENCY THAT
- THE MAJOR UTILITIES CAN BE CONTACTED THROUGH THE TELEPHONE NUMBER 1-800-242-1776 ("PA 1-CALL SYSTEM"). NON-MEMBER UTILITIES WILL HAVE TO

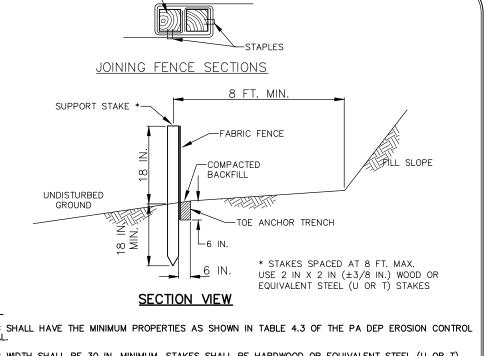
HE MAY CREATE OR DISCOVER AT OR NEAR SUCH PREMISES.

THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER THAT THE CONTACTS HAVE BEEN MADE.

PROJECT SERIAL No.: BEFORE YOU DIG ANYWHERE **PENNSYLVANIA**

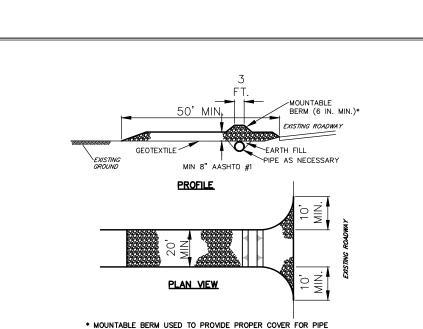
FABRIC PROPERTIES FOR SILT FENCE TEST METHOD FABRIC PROPERTY ACCEPTABLE VALUE ASTM D1682 GRAB TENSILE STRENGTH (LB) ASTM D1682 ELONGATION AT FAILURE (%) 200 ASTM D3786 MULLEN BURST STRENGTH (PSI) TRAPEZOIDAL TEAR STRENGTH (LB) PUNCTURE STRENGTH (LB) ASTM D751 (MODIFIED 0.3 ASTM 5141 SLURRY FLOW RATE (GAL/MIN/SF) EQUIVALENT OPENING SIZE US STD. SIEVE CW-02215 ASTM G-26 ULTRAVIOLET RADIATION STABILITY (%) ADAPTED FROM NEW YORK DEC AND PENNDOT PUB 408.

W. END AVENUE (40' WIDE RIGHT-OF-WAY) SANITARY SEWER LINE (APPROX. LOCATION) LIMIT OF DISTURBANCE: 3,372 SF-WATER LINE-(APPROX. LOCATION) DGE OF ROAD PECO #3339 PROPOSED-CONSTRUCTION ENTRANCE EXISTING RIGHT-OF-WAY ULTIMATE RIGHT-OF-WAY PROPOSED WALL (NO GRADE CHANGE THIS SIDE OF WALL 36' FROM EDGE OF ROAD TO FRONT OF HOUSE (TWO 18' LONG PARKING SPACES 10' WIDE) PROPOSED TW 183 DRIVEWAY 183.6 BW 179. MARGARET L. DUNN HONG YU ZHOA TMP #02-004-133 TMP #02-004-135 PROPOSED **DWELLING** FF 182.5 FENCE-17.34 LIMIT OF DISTURBANCE LINE PROPOSED TOPSOIL STOCKPILE -PROPOSED SEEPAGE BED WALL--ROCK FILER - 8F18 - SF18 - SF18 - SF18 -S 70°15'00" W | SILT FENCE (TYP) MARK F. & JULIA A. BUCKLEY MATTHEW & MARIA ROBERTS MATTHEW ROBERTS TMP #02-004-143 TMP #02-004-142 TMP #02-004-141



FABRIC SHALL HAVE THE MINIMUM PROPERTIES AS SHOWN IN TABLE 4.3 OF THE PA DEP EROSION CONTROL MANUAL. FABRIC WIDTH SHALL BE 30 IN. MINIMUM. STAKES SHALL BE HARDWOOD OR EQUIVALENT STEEL (U OR T) STAKES. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH HALF THE ABOVE GROUND HEIGHT OF THE FENCE. ANY SECTION OF SILT FENCE WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET (STANDARD CONSTRUCTION DETAIL # 4-6). FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN TRIBUTARY AREA IS PERMANENTLY STABILIZED.

> STANDARD CONSTRUCTION DETAIL #4-7 STANDARD SILT FENCE (18" HIGH)



- TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL
- RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.
- MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STANDARD CONSTRUCTION DETAIL #3-1 ROCK CONSTRUCTION ENTRANCE

STANDARD PLAN NOTES FOR SINGLE-FAMILY HOMES IN BUCKS COUNTY:

SPOIL AND BORROW AREAS REGARDLESS OF THEIR LOCATIONS.

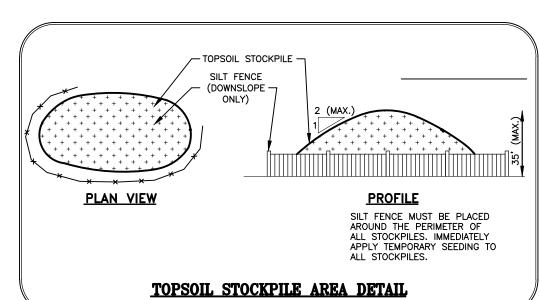
UNDERGROUND UTILITIES LOCATIONS.

AVOIDED WITHIN BUFFER AREAS.

- 1. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET; STOCKPILE SLOPES MUST NOT EXCEED 2:1.
- THE OPERATOR/RESPONSIBLE PERSON (O/RP) ON SITE SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.
- 3. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE O/RP SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- 4. THE O/RP SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE BUCKS COUNTY CONSERVATION DISTRICT, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK
- 5. ALL PUMPING OF SEDIMENT-LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER UNDISTURBED AREAS.
- 6. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE ON THE PROJECT SITE AT ALL
- 7. EROSION AND SEDIMENT BMP's MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONING BEFORE SITE DISTURBANCE BEGINS WITH THE TRIBUTARY AREAS OF THESE BMP's.
- 8. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING THE REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.
- 9. AT LEAST SEVEN DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITY, THE O/RP SHALL INVITE ALL CONTRACTORS INVOLVED IN THAT ACTIVITY, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER AND THE BUCKS COUNTY CONSERVATION DISTRICT TO A PRE-CONSTRUCTION MEETING. ALSO, AT LEAST THREE DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITY, ALL CONTRACTORS INVOLVED IN THAT ACTIVITY SHALL NOTIFY THE PENNSYLVANIA ONE-CALL SYSTEM, INC. (1-800-242-1776) TO DETERMINE ANY
- 10. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITY CEASES, THE O/RP SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT SPECIFIED RATES. DISTURBED AREAS THAT ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS.
- 11. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70 PERCENT VEGETATIVE OR OTHER NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE
- CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. 12. UPON THE INSTALLATION OF TEMPORARY SEDIMENT BASIN RISER(S), AN IMMEDIATE INSPECTION OF THE RISER(S) SHALL BE CONDUCTED BY A QUALIFIED SITE REPRESENTATIVE, WHERE UPON THE BUCKS COUNTY CONSERVATION DISTRICT SHALL
- BE NOTIFIED IN WRITING THAT THE RISER(S) IS SEALED (WATER-TIGHT). 13. AT STREAM CROSSINGS, A 50-FOOT BUFFER SHALL BE MAINTAINED. ON BUFFERS, CLEARINGS, AND DISTURBANCES AND EXCAVATIONS, EQUIPMENT TRAFFIC SHOULD BE MINIMIZED. ACTIVITY SUCH AS STACKING LOGS, BURNING CLEARED BRUSH, DISCHARGING RAINWATER FROM TRENCHES, WELDING PIPE SECTIONS, REFUELING AND MAINTAINING EQUIPMENT SHOULD BE
- 14. UNTIL A SITE IS STABILIZED, SOIL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION CONTROL BMP's AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE
- 15. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF ON-SITE IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS, OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED OR PLACED IN SOIL STOCKPILES AND
- 16. ALL BUILDINGS MATERIAL AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR RECYCLED IN ACCORDANCE WITH DEP's SOLID WASTE REGULATIONS (25 PA CODE 260.1 et seq., 271.1 et seq., AND 287.1 et seq., AND/OR ANY ADDITIONAL LOCAL, STATE OR FEDERAL REGULATIONS. NO BUILDING MATERIALS (USED OR UNUSED) OR WASTE MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

PROJECT NOTES:

- 1. THERE ARE NO NATURAL RESOURCES ON THE SUBJECT PROPERTY.
- 2. REFER TO ARCHITECTURAL PLANS FOR BUILDING CONSTRUCTION.
- 3. SOILS INFORMATION IS PER U.S.D.A. N.R.C.S. WEB SOIL SURVEY.
- 4. SOILS: THE ENTIRE SITE CONSISTS OF UKB URBAN LAND CHESTER COMPLEX, 0 TO 8 PERCENT SLOPES.
- 5. AN N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGES IS NOT REQUIRED FOR THIS PROJECT SINCE THE DISTURBANCE AREA IS LESS THAN ONE (1) ACRE.
- 6. THE OWNER/APPLICANT SHALL PROVIDE A BLANKET EASEMENT FOR ALL STORMWATER MANAGEMENT (SWM) FACILITIES ON-SITE IN ORDER TO ALLOW THE TOWNSHIP TO PERFORM INSPECTIONS AND EMERGENCY MAINTENANCE, IF NECESSARY, OF THESE SWM FACILITIES.
- 7. NO PERSON SHALL MODIFY, REMOVE, FILL, LANDSCAPING, OR VEGETATION INTO A STORMWATER MANAGEMENT (SWM) BEST MANAGEMENT PRACTICES (BMPs), FACILITIES, AREAS, OR STRUCTURES UNLESS IT IS A PART OF AN APPROVED MAINTENANCE PROGRAM AND WRITTEN APPROVAL OF THE TOWNSHIP HAS BEEN OBTAINED.
- 8. NO PERSON SHALL PLACE ANY STRUCTURE, FILL, LANDSCAPING, OR VEGETATION INTO A SWM OR BMP OR WITHIN A DRAINAGE EASEMENT WHICH WOULD LIMIT OR ALTER THE FUNCTIONING OF THE SWM FACILITY OR BMP WITHOUT
- 9. ALL PROPOSED UTILITIES, UNLESS OTHERWISE NOTED, SHALL BE INSTALLED UNDERGROUND.



LR-3 ROCK

HEIGHT OF ROCK -

FILTER=5/6 HEIGHT

OF STRAW BALES OR

FILTER FABRIC FENCE

OUTLET CROSS-SECTION

-WOOD POSTS-

<u>UP-SLOPE FACE</u>

A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE

STANDARD CONSTRUCTION DETAIL #4-6

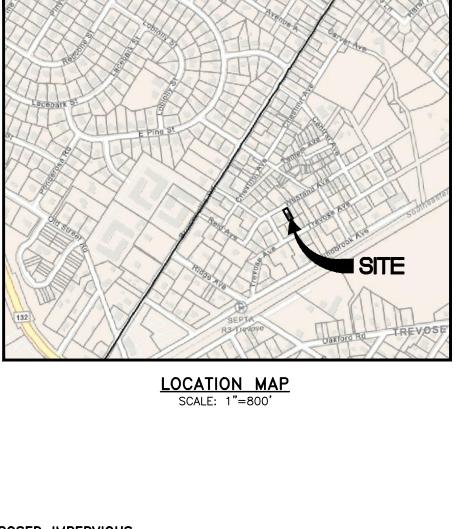
ROCK FILTER OUTLET

NOT TO SCALE

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

FIRMLY ANCHORED

OR FILTER FABRIC



PROPOSED IMPERVIOUS: PROP LOT: 3,563 SF (NET)

DRIVEWAY 306 SF WALK /CONC. 90 SF TOTAL 1,427 SF (40.0%)

BENSALEM TOWNSHIP, BUCKS COUNTY PA

	K-2 DISTRICT	REQUIRED	PROPOSED
	MIN LOT AREA MIN LOT WIDTH AT BLDG LINE MAX. BLDG HEIGHT	7,500 SF 75 FT 35 FT	3,563 SF* (NET) 37.50 FT ** <35 FT
E	FRONT YARD	25 FT	25 FT
S	MIN. SIDE YARD REAR YARD MAX. BUILDING AREA MAX. IMPERVIOUS COVERAGE	20 FT AGG./9 FT MIN 25 FT 40 % 45 %	20.16 FT AGG./10.083 FT 25 FT 21.36 % 40.0 %

* SEC. 232-167.(a) VARIANCE REQUIRED TO ALLOW A LOT AREA OF 3,750 SQUARE FEET. ** SEC. 232-167.(b) VARIANCE REQUIRED TO ALLOW A LOT WIDTH OF 37.50 FT.

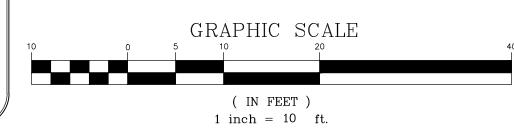
SURVEY NOTES:

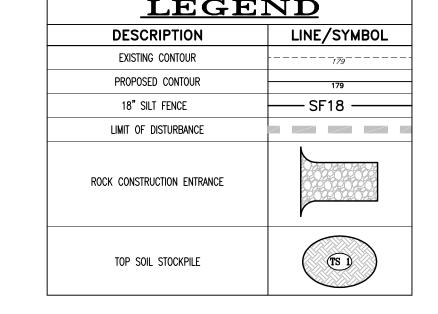
- 1. PROPERTY INFORMATION: OWNER: CAROILANN SUTTER
- MAILING ADDRESS: 135 RD #2, HULMEVILLE PA 19047 PROPERTY ADDRESS: 3329 W. END AVENUE, TREVOSE PA 19053 • TMP: 02-004-134
- LOT AREA: 0.09 ac., 3,750 sq.ft. (GROSS); 0.08 ac., 3,563 sq.ft. (NET)
- 2. THIS PLAN REPRESENTS AN ACTUAL SURVEY PERFORMED BY KELLY AND CLOSE CONSULTING ENGINEERS AND SURVEYORS IN APRIL 2021. THE LIMIT OF THE FIELD SURVEY IS SHOWN ON THIS PLAN.
 - HORIZONTAL DATUM/BEARINGS OF LINES ARE BASED ON DEED OF RECORD. VERTICAL DATUM/ELEVATIONS ARE BASED ON NGVD 88 DATUM. THE VALUES WERE DERIVED FROM GPS OBSERVATIONS SUPPLEMENTED WITH CLOSE LOOP GROUND TRAVERSE METHODS.
- A. SITE PLAN OF 3329 W. END AVE, FEASTERVILLE TREVOSE PA, 19053 -PREPARED BY MICHAEL J. ALEXANDER, ALEXANDER PROPERTY
- RENOVATIONS, DATED DECEMBER 6, 2020. THIS SURVEY IS NOT PREPARED WITH THE BENEFIT OF A TITLE REPORT.
- UTILITY LOCATIONS ARE LOCATED TO THE BEST OF OUR ABILITY BASED ON PENNSYLVANIA ONE CALL AND LOCATIONS OF PHYSICAL SURFACE FEATURES. NOT GUARANTEED AS TO THEIR EXACT LOCATION. OR THE EXISTENCE OF

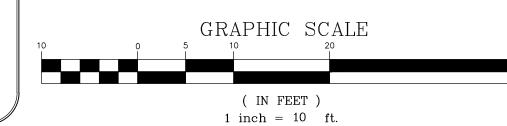
OTHERS, THAT ARE NOT SHOWN. A CONSTRUCTION PENNSYLVANIA ONE CALL

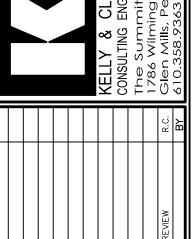
- SHOULD BE MADE PRIOR TO ANY EXCAVATION. THERE ARE NO WETLANDS, STREAMS, OR FLOOD PLAINS PRESENT.
- PER FEMA FIRM MAP #42017C0438J BUCKS COUNTY, PANEL 438 OF 532, MAP REVISED MARCH 16, 2015. THIS PROPERTY LIES OUTSIDE ANY FLOOD ZONE DESIGNATION.
- NO PNDI SEARCH FOR KNOWN POTENTIAL ENDANGERED OR THREATENED SPECIES CONFLICTS HAS BEEN MADE.
- 10. PER USDA SOILS MAP/WEB SITE THIS PROPERTY IS CLASSIFIED AS HAVING: UKB URBAN LAND - CHESTER COMPLEX - 0-8% SLOPES SOILS.
- 11. THIS PROPERTY IS SUBJECT TO RESTRICTIONS, EASEMENTS, AND DOCUMENTS OF RECORD.

DECODIDEION	1115 (0)(150)
DESCRIPTION	LINE/SYMBOL
EXISTING CONTOUR	₁₇₉
PROPOSED CONTOUR	179
18" SILT FENCE	—— SF18 ——
LIMIT OF DISTURBANCE	
ROCK CONSTRUCTION ENTRANCE	
TOP SOIL STOCKPILE	(18)

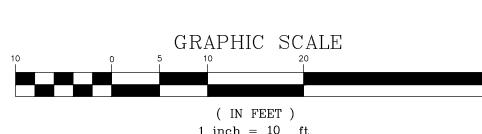








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CONSTRUCTION SEQUENCE:

ELIMINATE ANY SUCH PROBLEMS

SITE DEVELOPMENT OPERATIONS SHOULD BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING GENERAL SEQUENCE OF OPERATIONS. THE CONTRACTOR MAY DEVIATE FROM THE STAGING OF PERMANENT SITE IMPROVEMENT CONSTRUCTION ITEMS, WITH WRITTEN APPROVAL OF THE CONSERVATION DISTRICT INSPECTOR. DEVIATION FROM THE RELATIVE ORDER OF EROSION AND SEDIMENT CONTROL MEASURES SHOULD NOT OCCUR WITHOUT APPROVAL OF THE CONSERVATION DISTRICT INSPECTOR AND SITE ENGINEER.

SHOULD ANY MEASURES CONTAINED WITHIN THESE PLANS PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE AND/OR STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE PROPERTY OWNER TO

- . CONTACT THE BUCKS COUNTY CONSERVATION DISTRICT, BENSALEM TOWNSHIP, AND BENSALEM TOWNSHIP ENGINEER AT LEAST 3 WORKING DAYS PRIOR TO SITE DISTURBANCE.
- . INSTALL CONSTRUCTION ENTRANCE AT SITE ACCESS AS SHOWN ON PLAN.
- 3. INSTALL SILT FENCE AS SHOWN ON THE PLAN.
- 4. CLEAR AREA TO BE DISTURBED.
- STRIP TOPSOIL FROM AREAS TO BE IMPROVED, STOCKPILE WHERE INDICATED ON PLAN AND SURROUND WITH SILT FENCE. TOPSOIL STOCKPILES SHOULD BE STABILIZED IMMEDIATELY UPON CONSOLIDATION.
- ROUGH GRADE AREA. STABILIZE ALL DISTURBED AREAS UPON COMPLETION OF ROUGH GRADING, IT IS RECOMMENDED THAT PROTECTIVE FENCING BE INSTALLED AROUND PROPOSED SUBSURFACE SEEPAGE BED AREA TO AVOID COMPACTION DURING CONSTRUCTION.
- . CONSTRUCT PROPOSED SEEPAGE BED. SEE SEEPAGE BED CONSTRUCTION SEQUENCE IN SUBSURFACE SEEPAGE BED DETAIL.
- 8. CONSTRUCT DWELLING AND INSTALL UTILITY CONNECTIONS.
- RE-SPREAD TOPSOIL AND COMPLETE FINAL GRADING.
- 10. APPLY PERMANENT SEEDING MIXTURE AND INSTALL LANDSCAPING.
- 11. SILT FENCE SHALL BE REMOVED ONLY AFTER PROPER STABILIZATION OF THE DISTURBED AREAS HAS BEEN COMPLETED, AND ONLY WHEN ALL TRIBUTARY AREAS TO THESE CONTROLS ARE STABILIZED. REMOVE THE TEMPORARY DEVICES AND CLEAN AND RESTORE AREA, TAKING SPECIAL PRECAUTIONS THAT THE REMOVAL OF THESE DEVICES DOES NOT CONTRIBUTE TO ADDITIONAL SEDIMENT PROBLEMS OUTSIDE THAT AREA.

STORMWATER MANAGEMENT GENERAL NOTES:

- INSTALLATION, OPERATION, AND MAINTENANCE FOR THE STORMWATER MANAGEMENT FACILITIES IS THE RESPONSIBILITY OF THE OWNER LISTED ON THIS PLAN, OR SUBSEQUENT PROPERTY OWNER.
- STORMWATER MANAGEMENT FACILITIES PROPOSED FOR THE PROJECT INCLUDE ONE (1) SUBSURFACE SEEPAGE BED, ONE (1) SEEPAGE BED
- INFLOW / OVERFLOW STRUCTURE, AND A ROOF RUNOFF COLLECTION SYSTEM. ROOF DOWNSPOUTS FROM THE PROPOSED DWELLING SHALL BE CONNECTED TO THE ROOF RUNOFF COLLECTION SYSTEM. ROOF DOWNSPOUTS ARE NOT SHOWN ON THE PLAN. IT IS THE OBLIGATION OF THE CONTRACTOR TO COLLECT AND GATHER ALL RAINWATER FROM

ROOF DOWNSPOUTS AND DIRECT THEM TO THE SUBSURFACE SEEPAGE BED, EXTENDING ROOF RUNOFF COLLECTION SYSTEM AS NEEDED,

- PER ROOF RUNOFF COLLECTION SYSTEM DETAIL. THE FOLLOWING ASSUMPTIONS SHALL BE VERIFIED BY THE BUILDER PRIOR TO INSTALLATION OF THE SEEPAGE BEDS
- 4.1. A MEASURED INFILTRATION RATE OF 0.5 INCH / HOUR AT THE SEEPAGE BED BOTTOM ELEVATION. AT LEAST ONE (1) DOUBLE-RING INFILTROMETER TEST SHALL BE PERFORMED.
- 4.2. TWO (2) FOOT SEPARATION BETWEEN THE SEEPAGE BED BOTTOM ELEVATION AND GROUNDWATER OR BEDROCK.
- THE TOWNSHIP SHALL HAVE THE RIGHT TO ENTER PRIVATE PROPERTY TO INSPECT AND REPAIR, IF NECESSARY, ANY STORMWATER
- MANAGEMENT FACILITY SHOWN ON THIS PLAN.
- AS A CONDITION OF PROJECT COMPLETION, THE OWNER SHALL SIGN AND HAVE RECORDED IN THE COUNTY OFFICE OF RECORDER OF DEEDS AN OPERATIONS AND MAINTENANCE AGREEMENT WITH THE TOWNSHIP COVERING ALL STORMWATER MANAGEMENT FACILITIES INCLUDED

STORMWATER MANAGEMENT OPERATION AND MAINTENANCE NOTES:

ROOF GUTTERS AND DOWNSPOUTS SHALL BE REGULARLY INSPECTED AND CLEANED AS NEEDED.

- EVERY THREE (3) MONTHS, REMOVE PERFORATED CAP ON THE ROOF DOWNSPOUTS TEE FITTINGS AND INSPECT INSIDE OF DOWNSPOUT FOR SIGNS OF DEBRIS / BLOCKAGE. ANY DEBRIS / BLOCKAGE OBSERVED DURING INSPECTION SHALL BE REMOVED IMMEDIATELY.
- ON A QUARTERLY BASIS THE FOLLOWING MAINTENANCE SHALL BE PERFORMED:
- 3.1. SUBSURFACE SEEPAGE BED SHALL BE OBSERVED THROUGH THE INSPECTION PORTS TO IDENTIFY ABSENCE OF WATER WITHIN THE BED. IF WATER IS OBSERVED WITHIN THE BED. IT SHALL BE OBSERVED AGAIN AFTER A MINIMUM "NO PRECIPITATION" PERIOD OF 72 HOURS. IF WATER PERSISTS AFTER THE 72-HOUR PERIOD THEN THE OWNER SHALL PROCEED TO THE "ANNUAL" MAINTENANCE REQUIREMENTS TO IDENTIFY ANY OBSTRUCTIONS WITHIN THE INFLOW / OUTFLOW STRUCTURE. IF NO OBSTRUCTIONS ARE IDENTIFIED AND BED FAILURE IS SUSPECTED, THE DESIGN ENGINEER OR A PROFESSIONAL WITH EXPERIENCE IN STORMWATER MANAGEMENT DESIGN SHALL BE CONSULTED FOR GUIDANCE.
- 3.2. INLET PROTECTION DEVICE INSTALLED IN THE INFLOW / OVERFLOW STRUCTURE SHALL BE REMOVED AND CLEANED. ANY REMOVED DEBRIS SHALL BE DISPOSED OF TO AVOID DEBRIS RE-ENTERING THE INLET PROTECTION DEVICE.
- ON AN ANNUAL BASIS, THE FOLLOWING MAINTENANCE SHALL BE PERFORMED TO THE SEEPAGE BED INFLOW / OUTFLOW STRUCTURE:
- 4.1. SEDIMENT REMOVED FROM THE BOTTOM OF THE STRUCTURE, IF ANY IS ACCUMULATED. 4.2. GENERAL REVIEW TO IDENTIFY DAMAGE TO ALL COMPONENTS OF THE STRUCTURE.
- 4.3. FILTER SCREEN COVERING THE SEEPAGE BED INFLOW PIPE SHALL BE REMOVED AND INFLOW TO SEEPAGE BED SHALL BE INSPECTED FOR SIGNS OF OBSTRUCTION.
- 4.4. ANY INFLOW OBSTRUCTIONS FOUND SHALL BE REMOVED AND ANY DAMAGE ENCOUNTERED SHALL BE REPAIRED IMMEDIATELY. VEHICULAR ACCESS ON AREAS OVERLYING THE SUBSURFACE SEEPAGE BED SHOULD BE PROHIBITED AND CARE SHOULD BE TAKEN TO
- AVOID EXCESSIVE COMPACTION BY PROPERTY MAINTENANCE EQUIPMENT. IF ACCESS IS NEEDED OVER THE SEEPAGE BED, THE USE OF TURF REINFORCEMENT DEVICES SHOULD BE CONSIDERED. THE PROPERTY OWNER SHALL SUBMIT AN ANNUAL WRITTEN REPORT TO THE TOWNSHIP DETAILING THE INSPECTION AND MAINTENANCE
- WORK, INCLUDING REPAIRS, IF ANY, THAT ARE CARRIED OUT DURING A GIVEN CALENDAR YEAR. SUCH REPORT IS DUE ON OR ABOUT THE
- IT SHALL BE UNLAWFUL TO ALTER OR REMOVE THE PERMANENT STORMWATER CONTROLS AND BMPs OR TO ALLOW THE PROPERTY TO REMAIN IN A CONDITION WHICH DOES NOT CONFORM TO THE APPROVED STORMWATER CONTROL AND BMP OPERATIONS AND MAINTENANCE
- THE TOWNSHIP AND/OR IT'S REPRESENTATIVE RESERVES THE RIGHT AND PRIVILEGE TO ENTER UPON SUCH LANDS FROM TIME TO TIME FOR THE PURPOSE OF INSPECTION OF SAID SUBSURFACE SEEPAGE BED IN ORDER TO ENSURE THAT THE STRUCTURAL AND DESIGN INTEGRITY AND MAINTENANCE REQUIREMENTS ARE BEING MAINTAINED BY THE OWNER.

STORMWATER MANAGEMENT CALCULATIONS:

NEW IMPERVIOUS SURFACES PROPOSED:

PROPOSED DWELLING, DRIVEWAY, WALKS AND PATIOS = 1,500 SF

REQUIRED RUNOFF VOLUME CONTROL:

NEW IMPERVIOUS SURFACE AREA x 2" = 1,500 SF x 2" / 12"/FT ≈ 250 CFT

PROPOSED RUNOFF VOLUME STORAGE:

SEEPAGE BED VOLUME = L x W x D x (STONES VOID RATIO) = 11' x 15' x 4' x (0.4) = $\underline{264}$ CFT

PROPOSED VOLUME TO BE PERMANENTLY REMOVED (INFILTRATED):

250 CFT - LESS THAN TOTAL SEEPAGE BED VOLUME

LANDOWNER'S ACKNOWLEDGEMENT STATEMENT

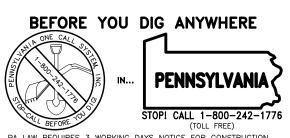
THE LANDOWNER, ACKNOWLEDGE THE STORMWATER MANAGEMENT SYSTEM TO BE A PERMANENT FIXTURE THAT CAN BE ALTERED OR REMOVED ONLY AFTER APPROVAL OF A REVISED PLAN BY THE MUNICIPALITY, WHICH SHALL BE RECORDED WITH THE RECORD PLAN AND WHICH SHALL BE APPLICABLE TO ALL FUTURE LANDOWNERS.

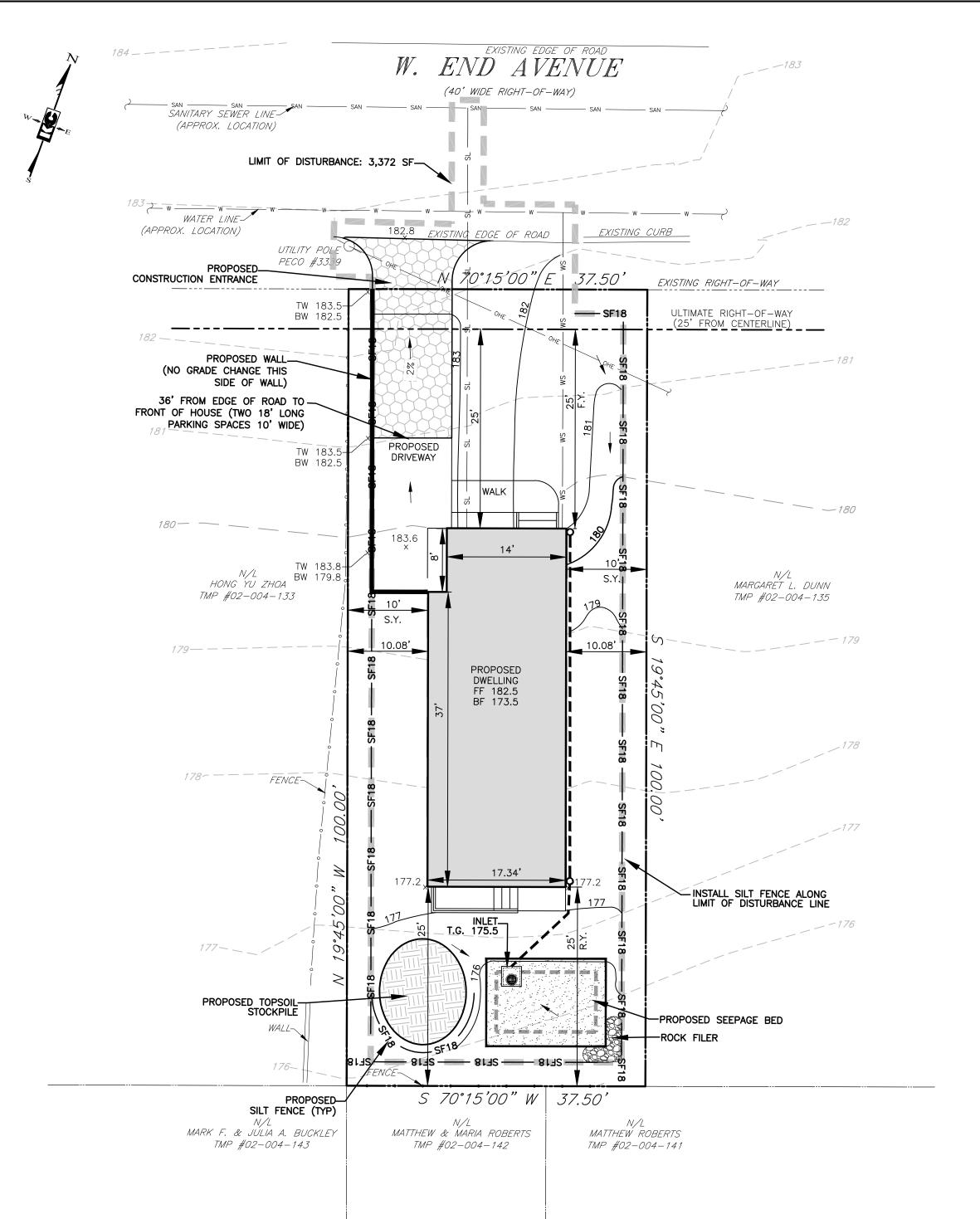
STORMWATER MANAGEMENT DESIGN CERTIFICATION:

ROBERT J. SNYDER, ON THIS DATE, 4/21/2021, HAVE REVIEWED AND HEREBY CERTIFY THAT THE STORMWATER, MANAGEMENT SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE NESHAMINY CREEK WATERSHED ACT 167 STORMWATER MANAGEMENT ORDINANCE OR

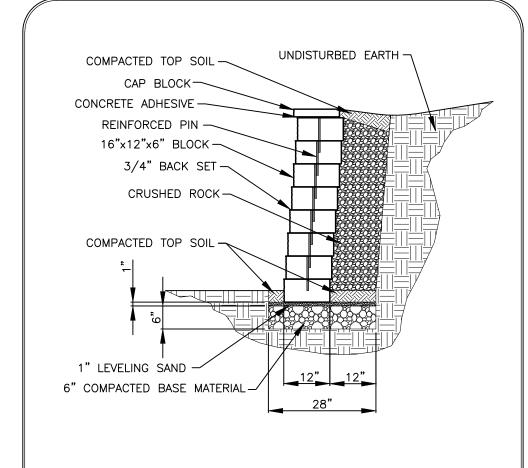


PLS #SU-38747-E PROJECT SERIAL No.:





- SEEPAGE BED



LANDSCAPE NOTES:

1. PROPOSED WALLS SHALL BE LESS THEN 4' IN HEIGHT. ACTUAL HEIGHT OF WALLS VARIES SEE PLANS.

- 2. ANY LANDSCAPE WALL IN EXCESS OF 4' HIGH SHALL BE CONSIDERED A RETAINING WALL. RETAINING WALL WILL REQUIRE DESIGNED SHOP DRAWINGS AND CALCULATIONS BY A QUALIFIED LICENSED ENGINEER AND SUBMITTED TO THE TOWNSHIP ENGINEER FOR REVIEW AND APPROVAL.
- LANDSCAPE WALL SHALL BE SEGMENTED BLOCK TYPE, COLOR, MATERIAL AND SUPPLIER PER OWNER.

ELEVATION VIEW

LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN

FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS

ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE

AVG. WIDE WIDTH STRENGTH ASTM D-4884

MULLEN BURS

UV RESISTANCE

AOS % RETAINED

WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE

ASTM D-4833

ASTM D-3786

ASTM D-4355

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL

BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION

RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEÓTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL

NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5% CLEAN ROCK OR OTHER

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE

MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

STANDARD CONSTRUCTION DETAIL #3-16

PUMPED WATER FILTER BAG

NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE

SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS

WELL VEGETATED, GRASSY AREA

60 LB/IN

350 PSI

4. IN NO CASE SHALL THE GRAVITY LANDSCAPE WALL OR THE ASSOCIATED GRADING ENCROACH ON A PROPERTY LINE. **GRAVITY LANDSCAPE WALL DETAIL**



<u>LOCATION MAP</u>

PROPOSED IMPERVIOUS:

PROP LOT: 3,563 SF (NET) DRIVEWAY 306 SF

WALK / CONC. 90 SF FUTURE 270 SF TOTAL 1,427 SF (40.0%)

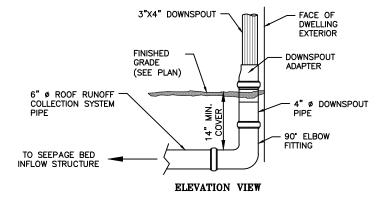
BENSALEM TOWNSHIP, BUCKS COUNTY PA R-2 DISTRICT

<u>PROPOSED</u> 3,563 SF* (NET) MIN LOT WIDTH AT BLDG LINE 37.50 FT ** MAX. BLDG HEIGHT <35 FT FRONT YARD 25 FT 25 FT MIN. SIDE YARD 20 FT AGG./9 FT MIN 20.16 FT AGG./10.083 FT RFAR YARD 25 FT MAX. BUILDING AREA 21.36 % MAX. IMPERVIOUS COVERAGE 40.0 %

 * SEC. 232-167.(a) VARIANCE REQUIRED TO ALLOW A LOT AREA OF 3,750 SQUARE FEET. ** SEC. 232-167.(b) VARIANCE REQUIRED TO ALLOW A LOT WIDTH OF 37.50 FT.

SURVEY NOTES:

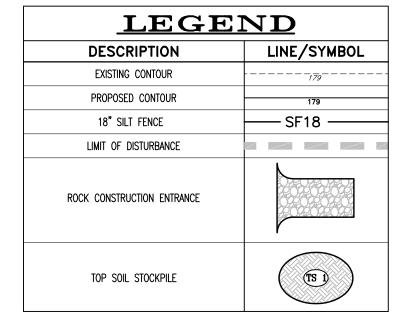
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- GROUND TRAVERSE METHODS. PLAN REFERENCES A. SITE PLAN OF 3329 W. END AVE, FEASTERVILLE TREVOSE PA, 19053 -
- PREPARED BY MICHAEL J. ALEXANDER, ALEXANDER PROPERTY RENOVATIONS, DATED DECEMBER 6, 2020. THIS SURVEY IS NOT PREPARED WITH THE BENEFIT OF A TITLE REPORT.
- UTILITY LOCATIONS ARE LOCATED TO THE BEST OF OUR ABILITY BASED ON PENNSYLVANIA ONE CALL AND LOCATIONS OF PHYSICAL SURFACE FEATURES. NOT GUARANTEED AS TO THEIR EXACT LOCATION. OR THE EXISTENCE OF OTHERS, THAT ARE NOT SHOWN. A CONSTRUCTION PENNSYLVANIA ONE CALL SHOULD BE MADE PRIOR TO ANY EXCAVATION.
- 7. THERE ARE NO WETLANDS, STREAMS, OR FLOOD PLAINS PRESENT.
- PER FEMA FIRM MAP #42017C0438J BUCKS COUNTY, PANEL 438 OF 532, MAP REVISED MARCH 16, 2015. THIS PROPERTY LIES OUTSIDE ANY FLOOD ZONE DESIGNATION.
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- 10. PER USDA SOILS MAP/WEB SITE THIS PROPERTY IS CLASSIFIED AS HAVING: UKB URBAN LAND - CHESTER COMPLEX - 0-8% SLOPES SOILS.
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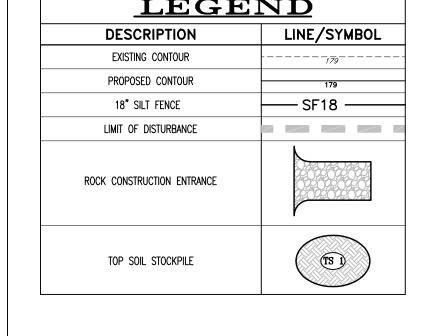
- ALL DWELLING DOWNSPOUTS SHALL BE CONVEYED TO THE SEEPAGE BED VIA THE ROOF RUNOFF COLLECTION SYSTEM. 2. ROOF RUNOFF COLLECTION SYSTEM SHALL CONNECT TO THE SEEPAGE BED INFLOW STRUCTURE.
- 3. ROOF RUNOFF COLLECTION SYSTEM MATERIAL SHALL BE HDPE OR PVC.
- 4. ROOF RUNOFF COLLECTION SYSTEM SHALL MAINTAIN MINIMUM 2% SLOPE TOWARDS SEEPAGE BED, WHENEVER POSSIBLE, AND 0.5% MINIMUM. A MINIMUM 18" COVER SHALL BE MAINTAINED ABOVE ALL COMPONENTS OF THE ROOF RUNOFF COLLECTION SYSTEM.
- 6. LAYOUT OF ROOF RUNOFF COLLECTION SYSTEM SHOWN ON PLAN IS SCHEMATIC IN NATURE. ACTUAL PIPE LAYOUT MAY DIFFER, IF NEEDED.

DWELLING SHALL BE EQUIPPED WITH MINIMUM 5" K-STYLE GUTTERS, MINIMUM 3"X4" DOWNSPOUTS, AND GUTTER PROTECTION.

ROOF RUNOFF COLLECTION SYSTEM DETAIL



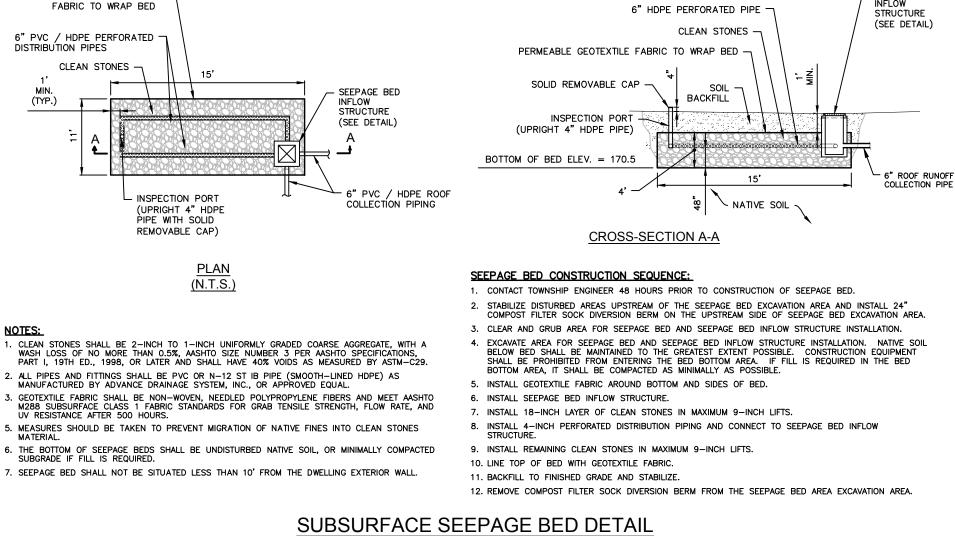
GRAPHIC SCALE (IN FEET) 1 inch = 10 ft.



00 END 02 6 ONSTRUCTION

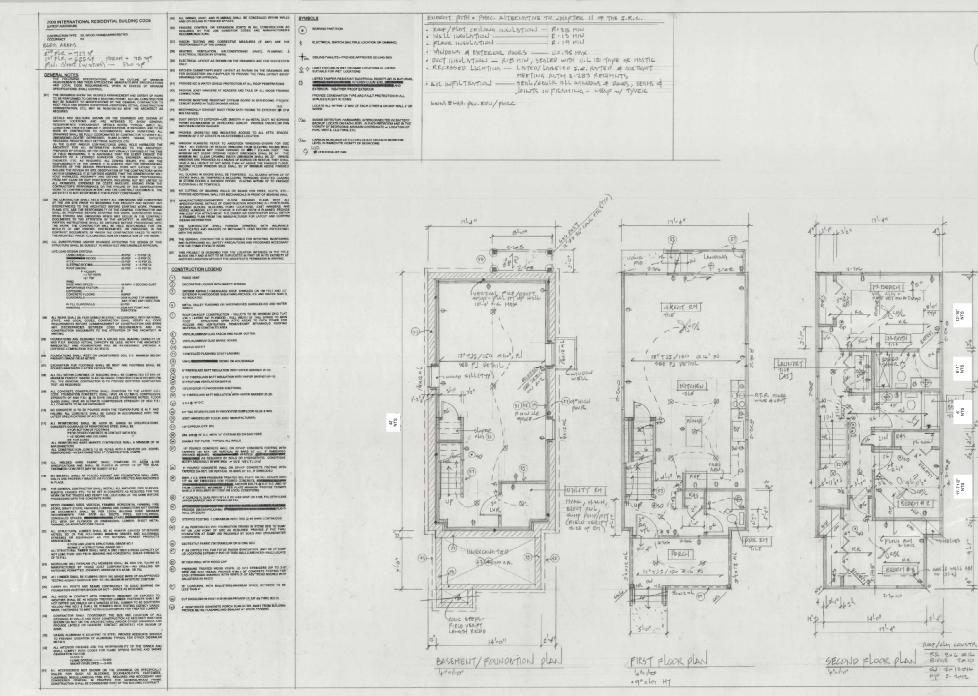
WNSF

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NOT TO SCALE

4" HDPE PERFORATED PIPE AT ZERO SLOPE PRECAST 18"x18" INLET BOX (*) STANDING WATER A | B | C 175.5 | 172.5 | 171.75 (*) HDPE CATCH BASINS/INLET BOXES MAY BE USED IN PLACE OF PRECAST CONCRETE INLET BOX, PROVIDED THAT THE SIZING OF THE HDPE CATCH BASINS/INLET BOXES AND ASSOCIATED ACCESSORIES MEET THE MINIMUM DIMENSIONS AND INVERTS SHOWN. ALL CATCH BASINS/INLET BOXES MUST BE INSTALLED PER MANUFACTURER'S GUIDELINES. SEEPAGE BED INFLOW STRUCTURE DETAIL



115 UPER ORCHAF LEVITTOWN, PA 15 CIBIK

MICHAEL REGISTERED ARCHIT

41

12'-10" NTS

6:-1" NTS

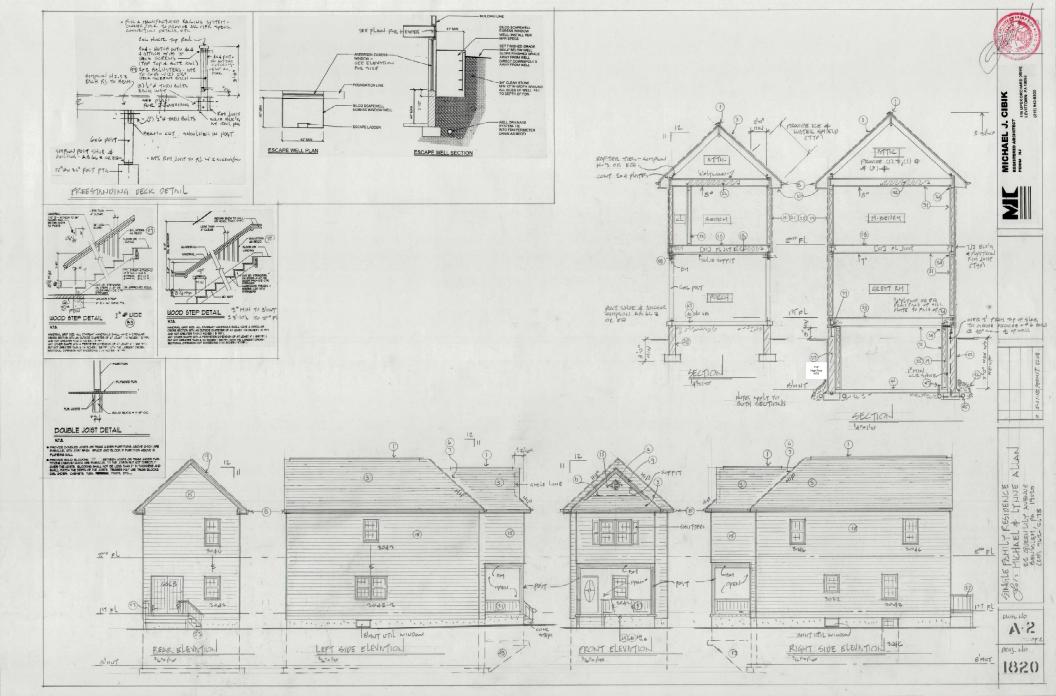
NTS

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PAINS pun, No

1.14 prof. No

1820







August 4, 2022

Michael Alexander 111 Beechwood Drive Washington Crossing, PA 18977

RE: 3329 West End Avenue— Use and Occupancy

File No. BSTO 00200

On August 2, 2022, we examined the above property for use and occupancy. Attached is a copy of our inspection report for your records. In order to apply to Bensalem Township for an occupancy permit, an escrow must be posted in the amount of \$5,000.

We want to inform you that any escrows that are posted with Bensalem Township will be refunded minus a 10% administrative fee after a written request is made and the work has been verified for completion. Also, you must contact the Bensalem Township Finance Department, or the Building and Planning Department, to obtain a W-9 tax form that must be submitted to the Township prior to the release.

If you have any questions, please contact me in Bensalem at 215-633-3652 or email at qnearon@bensalempa.gov.

Sincerely,

TRAFFIC PLANNING AND DESIGN, INC.

Zachary Bucksar

Bensalem Township Engineering Inspector

zbucksar@trafficpd.com

ZB:cz

cc: Ken Farrall, Director of Building and Planning, Bensalem Township

Phil Wursta, P.E., Township Engineer Alexanderproperties@gmail.com

Encl.

Bensalem Township Municipal Building

2400 Byberry Road Bensalem, PA 19020

215.633.3600

Traffic Planning and Design, Inc.

2003 Lower State Rd Ste 122 Doylestown, PA 18901

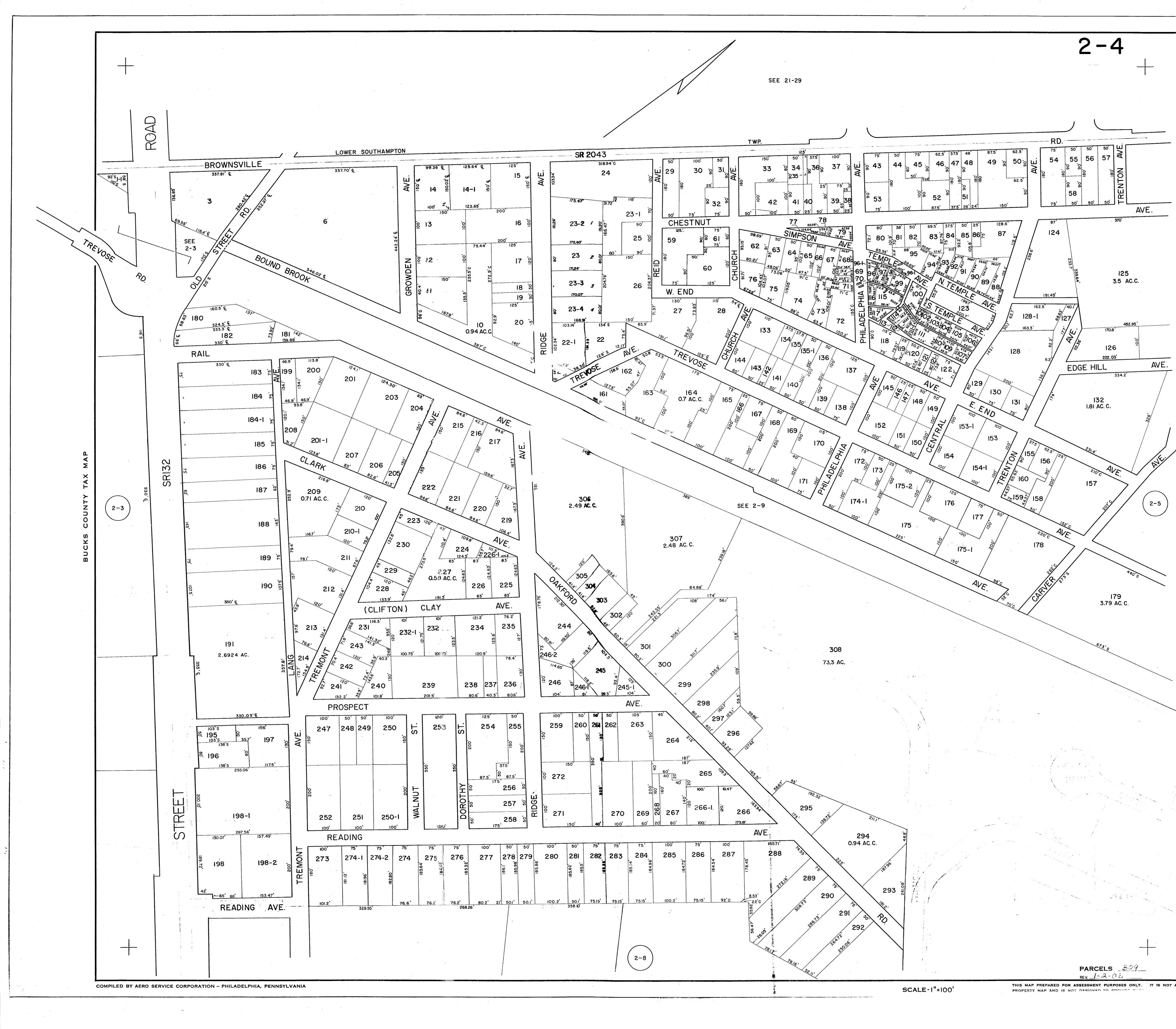
215.622.2525

RESIDENTIAL **USE AND OCCUPANCY ENGINEERING INSPECTION REPORT**

Location: 3329 West End Avenue

ITEM	PASS	FAIL	NOTES
DESCRIPTION	PASS		INUTES
Grading		X	Grading on right side of property was to remain existing. Correct per original contours
Seeding	Х		
Driveway		Х	As noted driveway must provide two off street parking spaces
As-built Plan		Х	As-built plan must be provided to show field changes that include but not limited to retaining wall location and height, driveway
Street Trees	NA		
Property Markers	NA		
Zoning		X	Driveway doesn't meet minimum requirements
Splashblocks	NA		
Water valve	Х		Must remain exposed
Cleanouts	Х		
Stormwater Management Systems	X		
Curbs/Road Widening	NA		
Sidewalks	NA		
Street Openings	NA		
Service Walk	NA		
Erosion and Sedimentation Controls	X		
Other		X	Fence permit must be obtained

Total Escrow as needed \$5000 Inspector Name: Zachary Bucksar Date of Inspection: 8-2-22



BUCKS COUNTY RECORDER OF DEEDS

55 East Court Street Doylestown, Pennsylvania 18901 (215) 348-6209

Instrument Number - 2021045776 Recorded On 5/14/2021 At 8:13:37 AM

* Total Pages - 5

* Instrument Type - DEED

Invoice Number - 1182050

User - TLF

* Grantor - SUTTER, CAROL

- * Grantee ALEXANDER, MICHAEL J
- * Customer SIMPLIFILE LC E-RECORDING

* FEES

TOTAL PAID

\$450.00 \$81.75 \$225.00 STATE TRANSFER TAX RECORDING FEES BENSALEM SCHOOL DISTRICT REALTY TAX \$225.00 BENSALEM TOWNSHIP \$981.75

Bucks County UPI Certification On May 13, 2021 By TF

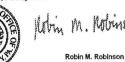
This is a certification page

DO NOT DETACH

This page is now part of this legal document.

RETURN DOCUMENT TO: LAKE ABSTRACT 680 MIDDLETOWN BLVD. LANGHORNE, PA 19047

I hereby CERTIFY that this document is recorded in the Recorder of Deeds Office of Bucks County, Pennsylvania.



* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.

Prepared By:

Begley Carlin & Mandio, LLP 680 Middletown Blvd Langhorne, PA 19047

Record and Return to:

Begley Carlin & Mandio, LLP 680 Middletown Blvd Langhorne, PA 19047

Tax Parcel Identifier: #02-004-134

DEED

THIS INDENTURE is made the 13th day of May in the year of our Lord Two Thousand Twenty-One (2021) between **CAROL SUTTER** a/k/a **CAROLANN SUTTER** (hereinafter called the "Grantor"), of the one part, and MICHAEL J. ALEXANDER (hereinafter called the "Grantee"), of the other part.

WITNESSETH

THAT the said Grantor for and in consideration of the sum of FORTY-FIVE THOUSAND DOLLARS AND ALL OTHER GOOD AND VALUABLE CONSIDERATION (\$45,000.00) lawful money of the United States of America, unto her well and truly paid by the said Grantee, at or before the sealing and delivery hereof, the receipt whereof is hereby acknowledged, has granted, bargained and sold, released and confirmed, and by these presents does grant, bargain and sell, release and confirm unto the said Grantee, his heirs and assigns forever, as follows:

ALL THOSE CERTAIN lots or pieces of ground with the buildings and Improvements thereon erected.

SITUATE in the Town of Trevose in the Township of Bensalem. County of Bucks, State of Pennsylvania.

BEING the Southwesterly one half of lot number eleven and all of lot number twelve in Section eight on Plan of Town of Trevose.

BEGINNING at a point on the Southeasterly side of West End Avenue, at the distance of Two hundred sixty-two and five tenths feet Southwestwardly from the Southwesterly side of Philadelphia Avenue.

CONTAINING in front or breadth on the said side of West End Avenue thirty-seven and five tenths feet and extending of that width in length or depth Southeastwardly between parallel lines at right angles to the said West End Avenue One hundred feet.

Tax ID / Parcel No. 02-004-134.

BEING THE SAME PREMISES which Carl Eugene Uncapher and Dolores V. Uncapher, by Deed dated the 14^{th} day of December, 1977 and recorded on the 19^{th} day of December, 1977 in Bucks County in Deed Book 2269, Page 1179 et seq., conveyed unto Daniel P. Sutter and Carol Sutter, his wife.

AND BEING THE SAME PREMISES which Daniel Sutter by Deed dated the 15^{th} day October, 2010 and recorded on the 24^{th} day of October, 2013 in Bucks County in Instrument No. 2013087504, conveyed unto Carolann Sutter, in fee.

UNDER AND SUBJECT to all conditions, covenants and restrictions of record.

TOGETHER with all and singular the buildings, improvements, ways, streets, alleys, driveways, passages, waters, water-courses, rights, liberties, privileges, hereditaments and appurtenances, whatsoever unto the hereby granted premises belonging, or in any wise appertaining, and the reversions and remainders, rents, issues, and profits thereof; **AND** all the estate, right, title, interest, property, claim and demand whatsoever of the said Grantor, as well at law as in equity, of, in, and to the same.

TO HAVE AND TO HOLD the said lots or pieces of ground above-described with the buildings and improvements thereon erected, hereditaments and premises hereby granted, or mentioned, and intended so to be, with the appurtenances, unto the said Grantee, his heirs and assigns, to and for the only proper use and behoof of the said Grantee, his heirs and assigns forever, under and subject as aforesaid.

AND the said Grantor, for herself, her heirs, executors and administrators does covenant, promise and agree, to and with the said Grantee, his heirs and assigns, by these presents, that he, the said Grantor, his heirs, all and singular the hereditaments and premises hereby granted or mentioned and intended so to be, with the appurtenances, unto the said Grantee, his heirs and assigns, against her, the said Grantor, her heirs, and against all and ever person and persons whomsoever lawfully claiming or to claim the same or any part thereof, by, from or under him, them, or any of them, shall and will WARRANT and forever DEFEND.

IN WITNESS WHEREOF, the party of the first part hereunto sets his hand and seal dated the day and year first above written.

SEALED AND DELIVERED IN THE PRESENCE OF US:

WITNESS

COMMONWEALTH OF PENNSYLVANIA

SS.

COUNTY OF BUCKS

On this, the 13 day of May, 2021, before me, Notary Public, personally appeared CAROL SUTTER a/k/a CAROLANN SUTTER, known to me, or satisfactorily proven to me, to be the person whose name is subscribed to the within instrument, and acknowledged that she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Commonwealth of Pennsylvania - Notary Seal ANDREW L. MARKOWITZ, Notary Public **Bucks County** My Commission Expires October 28, 2024

Commission Number 1102323

My Commission Expires: 10/20/2024

DEED

CAROL SUTTER a/k/a CAROLANN SUTTER Grantor

TO:

MICHAEL J. ALEXANDER

Grantees

PREMISES:

Tax Parcel Number #02-004-134
3329 West End Avenue
Trevose, PA 19053
Bensalem Township
Bucks County, Pennsylvania

The address of the Grantee is:

111 Beechwood Drive Washington Crossing, PA 18977



