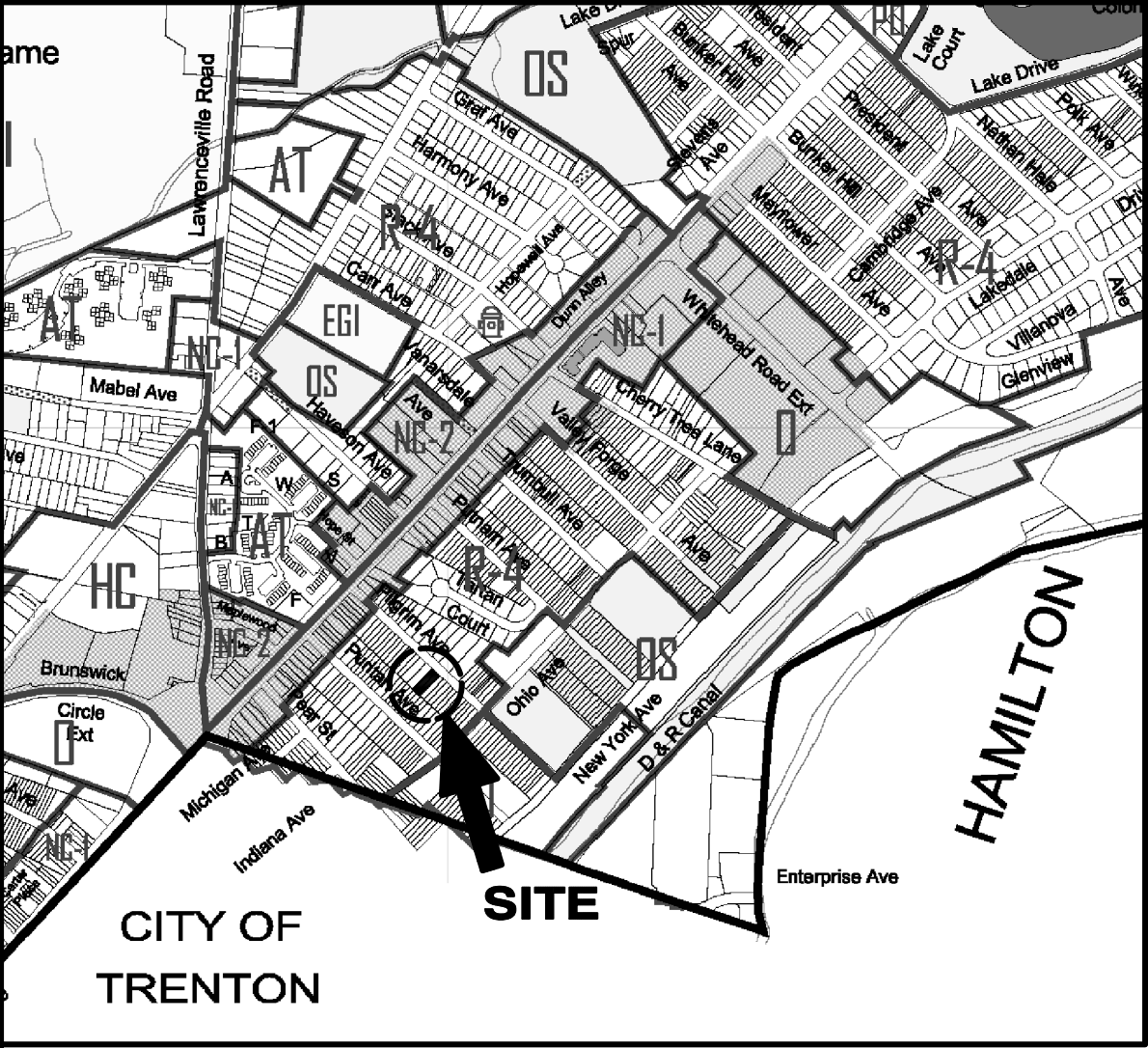
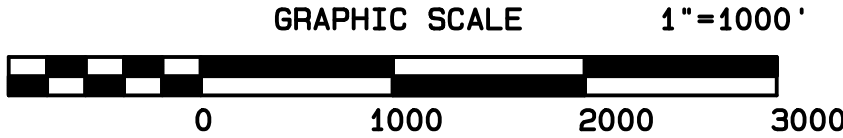




ZONE MAP



SURROUNDING OWNERS

Property Owners List within 200'
Pilgrim Ave, Block 406, Lots 16-17

June 30, 2024

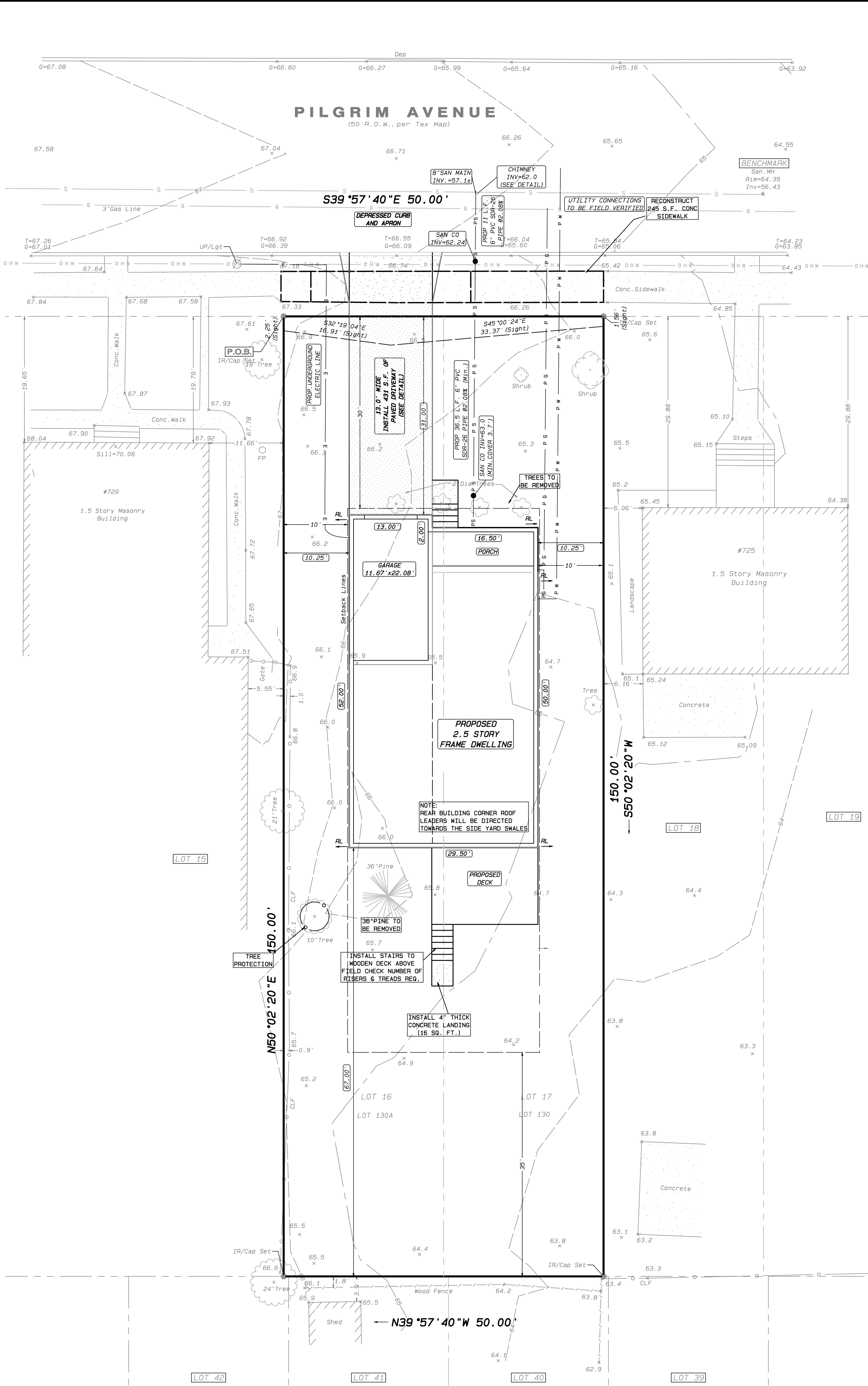
Block	Lot	Owner	Address	City / State	Zip
405	10, 11	WALLACE, HERMAN V JR & CLAUDIA D M	739 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	12	REALI, CYNTHIA J.	737 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	13	ERDIE PROPERTIES, LLC	29 FAIRFIELD AVE	LAWRENCE TOWNSHIP, NJ	08648
	14	ZEBROWSKI, WIESLAW & MONIKA	731 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	15	THOMPSON, MARLENE	729 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	18, 19	FLORES-DAVILA, OSCAR LEONARDO	725 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	20, 21	RODRIGUEZ, JOCELYN & QUINONES, JULIO	713 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	22	RODRIGUEZ, JOCELYN & QUINONES, JULIO	713 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	23	CHMIELEWSKI, JOHN P & CYNTHIA A	711 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	24, 25	BODNAR, RAYMOND F JR & JILL A	709 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	26	BODNAR, RAYMOND F JR & JILL A	709 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	33	CALLA, ROBERT R	708 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	34	YUAN, GRACE W	710 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	35	KUM CONTRACTORS LLC	55 SECKELPEAR ROAD	LEVITTOWN, PA	19056
	36	SCHWEITZER, CHRISTOPHER E & CHRISTIN	714 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	37	SHELMET, WILLIAM & LISA & HEROLD, JOHN	716 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	38	PIKULA, ADAM & MALGORZATA	718 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	39	DEL CID, BRYON	720 PURITAN AVENUE	LAWRENCE TOWNSHIP, NJ	08648
	40, 41	HOFFMAN, CHARLES J	521 8TH AVENUE	BRIDGE, NJ	07719
	42	KROL, KATARZYNA	313 E GRAYSTONE RD	OLD BRIDGE, NJ	08857
	43	SIENKIEWICZ, MICHAL & KATARZYNA	313 E GRAYSTONE RD	OLD BRIDGE, NJ	08857
	44, 45	WOOD, FLORENCE	61 WILSON AVE	HAMILTON, NJ	08619
	46	COMPETELLI, PATRICIA L.	734 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
	47, 48	SOUTHWELL, PAUL & PETA RUTTY	740 PURITAN AVE	LAWRENCE TOWNSHIP, NJ	08648
407	45	FECAK, GARY S	702 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	46, 47, 48	ORDINI, VINCENT C.	710 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	49, 50	CIELECKI, KAROL & GRAZYNA	714 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	51	CRUTCHLEY, ED L III & JULIE S FEDOR	720 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	52	GRINE, SUSAN A & LISA M.	724 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	53, 54	MORRIS, THOMAS	730 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648
	55, 56	CZELEN, IWONA & KOZIATEK, MAREK	746 PILGRIM AVE	LAWRENCE TOWNSHIP, NJ	08648

AGENCIES REQUIRING NOTICE

Corporate Secretary Ewing-Lawrence Sewerage Authority 600 Whitehead Road Lawrenceville, NJ 08648	Corporate Secretary Public Service Electric & Gas Company 80 Park Plaza, 40 Newark, NJ 07101
N.J. American Water 1025 Laurel Oak Road Voorhees, NJ 08043 ATTN: Donna Short	Elizabethtown Gas Company One Elizabethtown Plaza Third Floor East Union, NJ 07093-1975
Corporate Secretary Trenton Water Works P.O. Box 528 Trenton, NJ 08604	Corporate Secretary Verizon 540 Broad Street Newark, NJ 07101
Aqua Water Company 2875 Erial Road Erial, NJ 08081 ATTN: James Barbato	General Manager Comcast Cablevision 940 Prospect Street Trenton, NJ 08618
RCN Corporation 105 Carriage Center Princeton, NJ 08540	Corporate Secretary AT&T 1471 T Way Bedminster, NJ 07921
Mercer County Planning Board 640 South Broad Street P.O. Box 8068 Trenton, NJ 08650-3068	Corporate Secretary Jersey Central Power and Light 300 Madison Avenue Morristown, NJ 07962
Sun Pipe Line Company ATTN: R-Q-W Department 1801 Market Street 26th Floor Philadelphia, PA 19103-1699	Corporate Secretary Transcontinental Gas Pipe Line Corporation 2800 Post Oak Boulevard Houston, TX 77056
Sunoco Pipe Line, L.P. Right-of-way Department Montello Complex 525 Fritzdown Road Sinking Spring, PA 19608	Commissioner N.J. Department of Transportation 1035 Parkway Avenue, CN 500 Trenton, NJ 08625

LEGEND:

T	= Top Curb	[67.00]	= Proposed Grade
G	= Gutter	PS	= Proposed Sewer
Dep	= Depressed Curb	PG	= Proposed Gas
IR	= Iron Rod	PM	= Proposed Manhole
UP/Lgt	= Utility Pole/Light	[67]	= Proposed Contour
FP	= Flag Pole		
CLF	= Chain Link Fence		
San.MH	= Sanitary Manhole		
INV	= Invert		
P.O.B.	= Point of Beginning		
R.O.W.	= Right of Way		
OH	= Overhead Wires		
[LOT 16]	= Tax Map Lot #		
[LOT 130]	= Filled Map Lot #		



APPROVED BY LAWRENCE TOWNSHIP ZONING BOARD

CHAIRPERSON	DATE
SECRETARY	DATE
MUNICIPAL ENGINEER	DATE

OWNER/APPLICANT

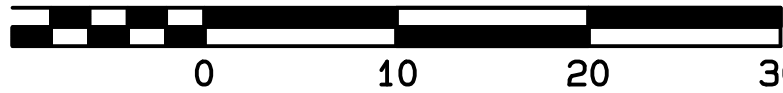
Grzegorz Janusz
9 S. Clifton Way, Hamilton, NJ 08620
609-540-4667

I HEREBY CERTIFY THAT I AM THE OWNER OF
RECORD AND THAT I CONCUR WITH THE PLAN

SITE DATA:

LOTS 16-17 BLOCK 406
LAWRENCE TOWNSHIP TAX MAPS
AREA = 7,500 Sq. Ft.
= 0.172 ± AC.

GRAPHIC SCALE 1"=10'



SHEET 1

HOUSE LOCATION AND UTILITY PLAN

of
Lots 16-17, Block 406
for

Grzegorz Janusz

in
**TOWNSHIP OF LAWRENCE
MERCER CO., NEW JERSEY**

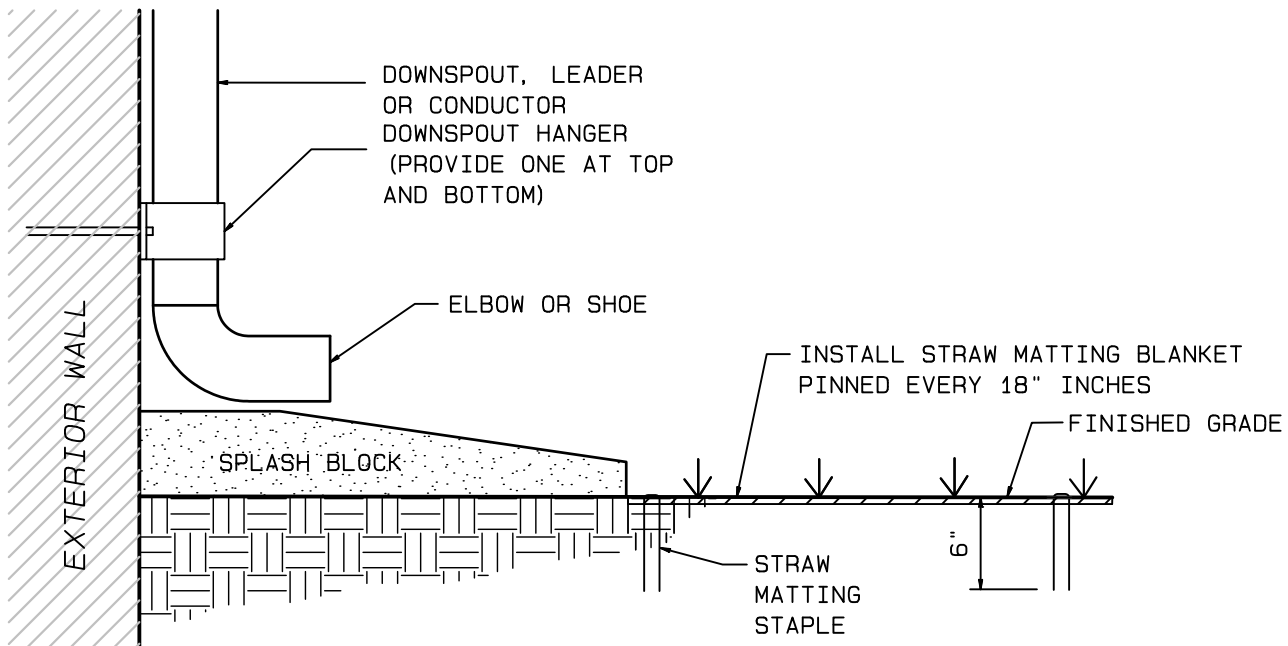
CERTIFICATE OF AUTHORIZATION NO. 20240802000	
TAX MAP DATA	
LOT	BLOCK
16-17	406
PAGE	
4	
DATE	
10/20/25	
INV.	
45067	
DRAWN BY:	
BDS	
SCALE	
1"=10'	
FB.	
PG.	
FILE	
109-74	

TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET, TRENTON, N.J. 08638
TEL. NO. 609-882-0616
FAX. NO. 609-882-6004
D.P. STRATTON, L.S. N.J.-27923 P.P.N.J.-5021
C.W. STRATTON, L.S. N.J.-45395
JOSEPH MESTER
N.J. PROFESSIONAL ENGINEER &
PROFESSIONAL LAND SURVEYOR NO. 19462
8/30/26 *Joseph Mester*

No.	Date	Description
1	8-30-26	ADD SURROUNDING OWNERS LIST
REVISIONS		

GRADING PLAN NOTES:

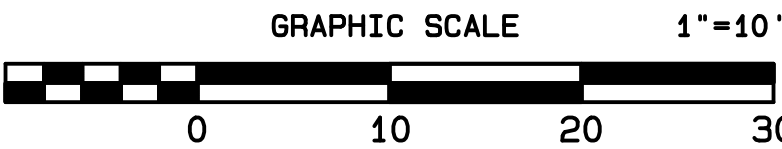
1. ALL UTILITIES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND. EXISTING UTILITIES WILL BE USED WHEN POSSIBLE.
2. A STREET OPENING PERMIT IS REQUIRED FOR ALL WORK PERFORMED IN THE STREET.
3. PLOT PLAN BASED ON "PLAN OF TOPOGRAPHIC SURVEY OF LOT 16, BLOCK 2308 FOR VIACHASLAV SAMUEL MATULEVICH & ALENA PELESH IN LAWRENCE TOWNSHIP, MERCER COUNTY, NEW JERSEY" DATED FEBRUARY 2, 2022 PREPARED BY TRENTON ENGINEERING COMPANY INC. DESIGNATED AS FILE #107-34
4. NOTIFY OWNER OF BLOCK 2308 LOT 17 - 4" PVC ROOF LEADER PIPE DISCHARGES FROM LOT 17 ONTO LOT 16 BLOCK 2308.
5. INVERT OF EXISTING SANITARY SEWER, GAS AND WATER TO BE ESTABLISHED IN FIELD.
6. WATER SERVICE - 1 1/2" K-COPPER PIPE
SANITARY SEWER - 4" P.V.P. (SCH 40) @ 1/4" PER FOOT.
GAS SERVICE - AS PER P.S.E.65.
7. TESTING THE SEASONAL HIGH WATER TABLE IS REQUIRED PRIOR TO CONSTRUCTION OF CRAWL SPACE. A 2 FOOT SEPARATION IS TO BE MAINTAINED BETWEEN WATER TABLE AND BOTTOM OF SLAB. IF A SUMP PUMP IS REQUIRED IN THE CRAWL SPACE, THE ENGINEERING DEPARTMENT MUST APPROVE THE OUTLET LOCATION.
8. VERTICAL DATUM: ASSUMED SYSTEM
9. BENCHMARK ON SITE: RIM OF ELSA MH IN PILGRIM AVENUE,ELEVATION=64.39, AS SHOWN ON PLAN.



DOWN SPOUT DETAIL WITH STRAW MATTING DETAIL

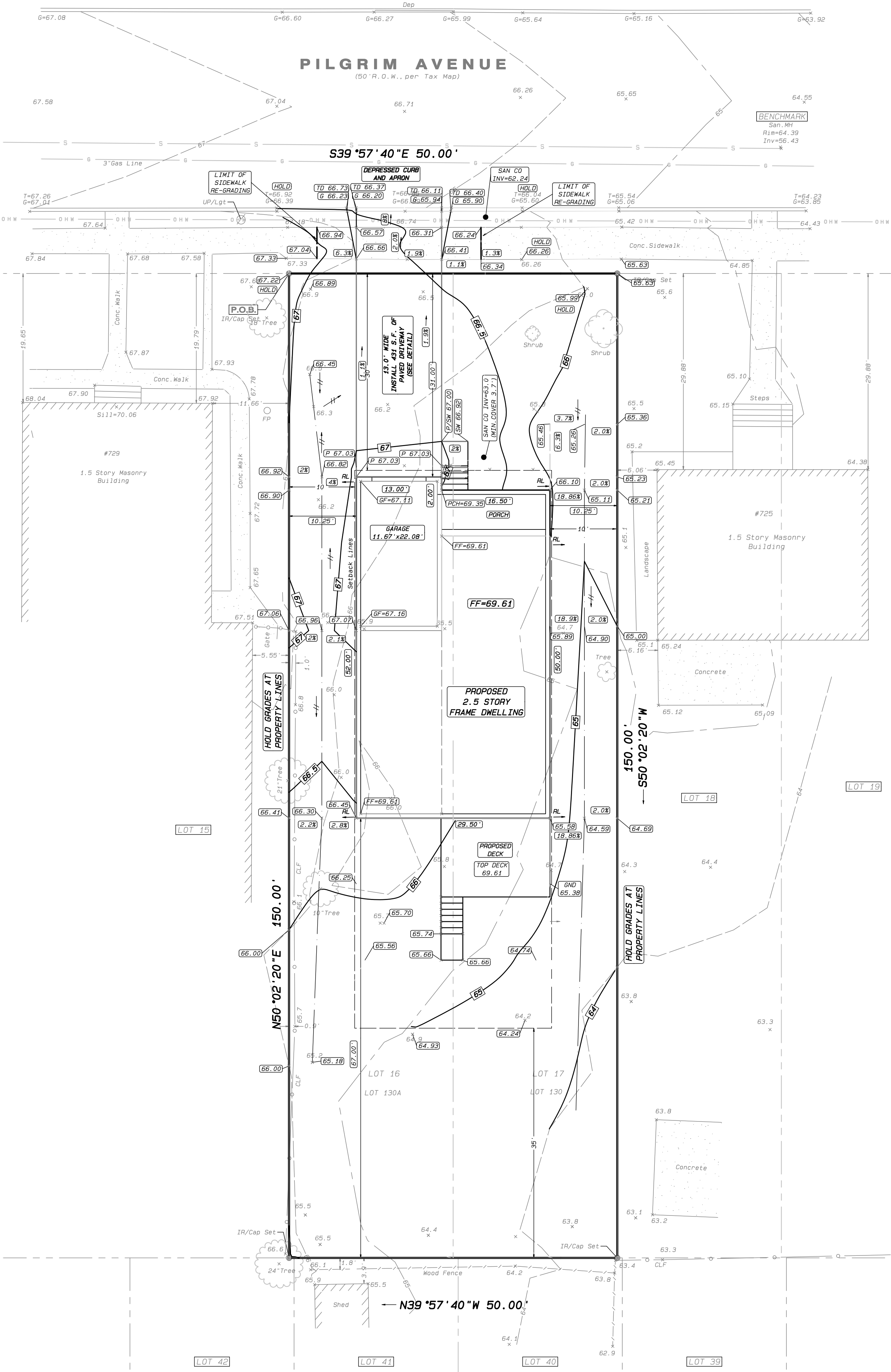
N.T.S.
NOTE:
SPLASH BLOCKS TO BE INSTALLED
AT ALL DOWNSPOUTS AND SUMP
PUMP DISCHARGE LOCATIONS.

SITE DATA:
LOTS 16-17 BLOCK 406
LAWRENCE TOWNSHIP TAX MAPS
AREA = 7,500 Sq.Ft.
= 0.172 ± Ac.



SHEET 2

- LEGEND:**
- T = Top Curb
 - G = Gutter
 - Dep = Depressed Curb
 - IR = Iron Rod
 - UP/Lgt = Utility Pole/Light
 - FP = Flag Pole
 - CLF = Chain Link Fence
 - San.MH = Sanitary Manhole
 - INW = Invert
 - P.O.B. = Point of Beginning
 - R.O.W. = Right of Way
 - OHW = Overhead Wires
 - LOT 16 = Tax Map Lot #
 - LOT 130 = Filled Map Lot #
- Proposed Grade**
[67.00] = Proposed Grade
[TD] = Top of Depressed Curb
[G] = Gutter
[PCH] = Porch
[6F] = Garage Floor
[FF] = First Floor
[67] = Proposed Contour

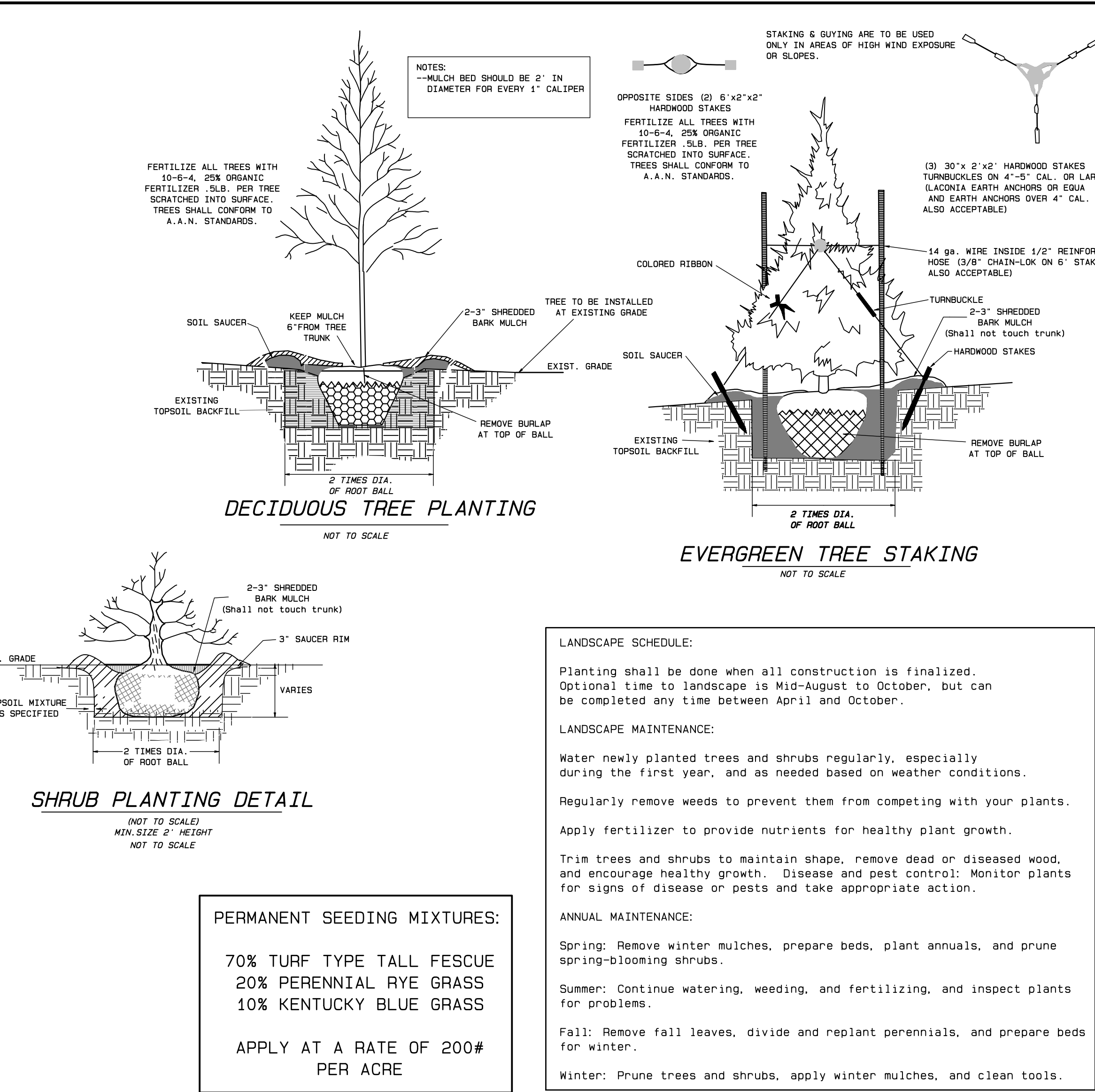
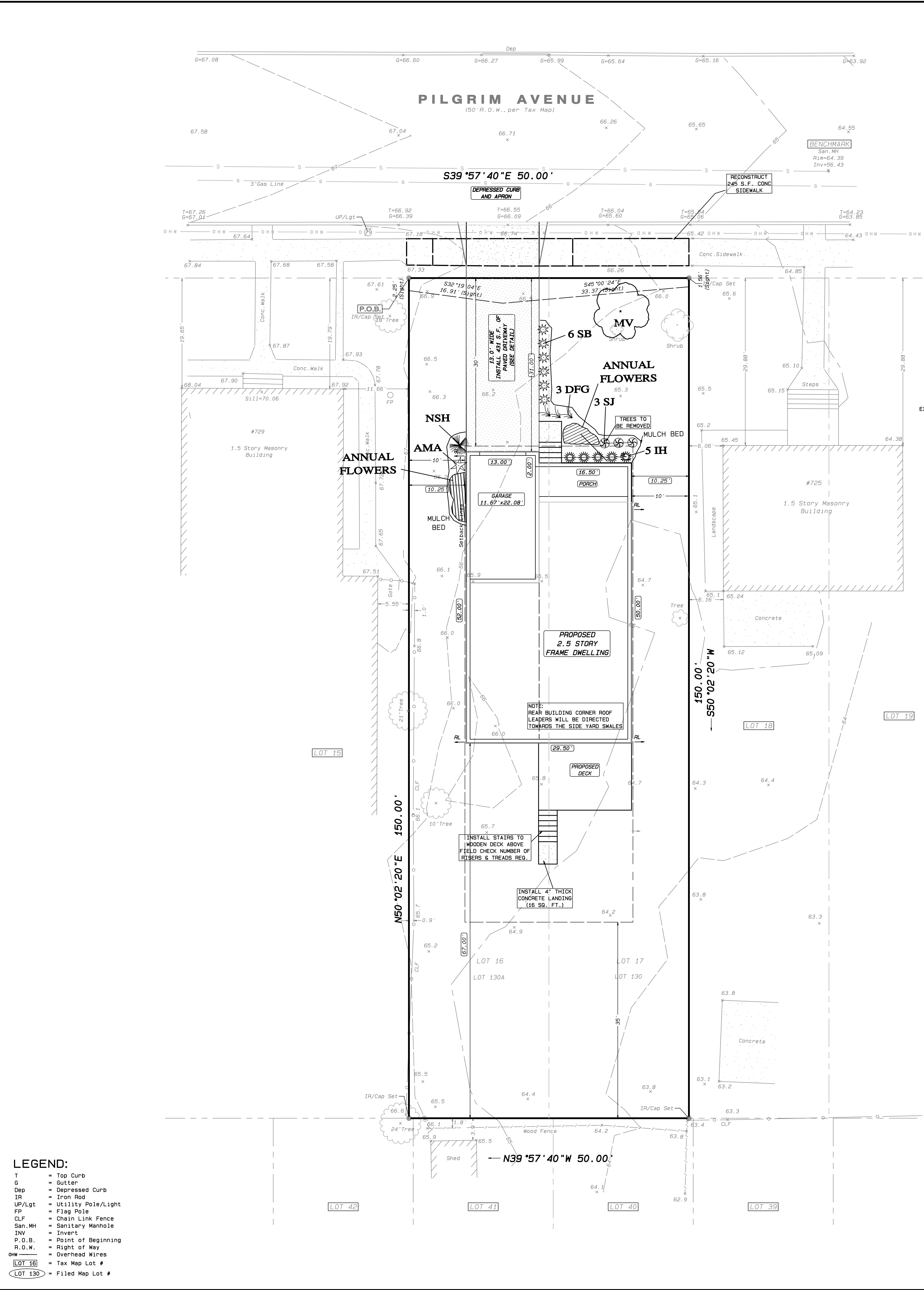


REVISIONS		
No.	Date	Description
1	8-30-26	ADD SURROUNDING OWNERS LIST

TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET TRENTON, N.J. 08638
TEL. NO. 609-882-0616
FAX. NO. 609-882-6004
D.P. STRATTON, L.S. N.J.-27923 P.P.N.J.-5021
C.W. STRATTON, L.S. N.J.-43395
JOSEPH MESTER
N.J. PROFESSIONAL ENGINEER &
PROFESSIONAL LAND SURVEYOR No.19462
8/30/26 *Joseph Mester*
DATE

GRADING PLAN
of
Lots 16-17, Block 406
for
Grzegorz Janusz
in
TOWNSHIP OF LAWRENCE
MERCER CO., NEW JERSEY

TAX MAP DATA		
LOT	BLOCK	PAGE
16-17	406	4
DATE 10/20/25		
INV. 45067		
DRAWN BY: BDS		
SCALE 1"=10'		
FB. PG.		
FILE 109-74		



PLANT SCHEDULE:

SYMBOL	KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
TREE						
	AMA	1	AZALEZA	AUTUMN MAJESTY AZALEZA	2' -2.5' HT.	B & B
	IH	5	ILEXGLABRA 'SHAMROCK'	COMPACT INKBERRY HOLLY	18"-24" HT.	CONTAINER
	NSH	1	ILEX 'NELLIE STEVENS'	NELLIE STEVENS HOLLY	6' - 7' HT.	B & B
	SB	6	BUXUS 'BOXWOOD'	SPRINTER BOXWOOD	12"-18" HT.	CONTAINER
	MV	1	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	2' - 3' HT.	B & B
	DFG	3	PENNISETUM ALOPECUROIDES	HAMELN DWARF GRASS	12" - 18" HT.	2 GAL.
	SJ	3	SPIRAEA JAPONICA	LITTLE PRINCESS SPIREA	18" TO 24" HT.	3 GAL.

LANDSCAPE NOTES:

- A. GENERAL:
- THE LANDSCAPE PLAN WAS PREPARED FOR LANDSCAPING PURPOSES ONLY. THIS PLAN SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
 - IN THE EVENT THAT DISCREPANCIES ARE DISCOVERED BETWEEN THE PLAN AND THE PLANTING SCHEDULE, THE PLAN CONDITIONS SHALL GOVERN.
 - LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO BIDDING.
 - SUBSTITUTIONS IN PLANT TYPE OR SIZE SHALL ONLY BE MADE WITH THE PRIOR WRITTEN APPROVAL OF THE OWNER AND LANDSCAPE ARCHITECT.
 - CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO STARTING WORK.
 - WHEREVER MULCH IS PLACED, IT SHALL BE TREATED WITH A PRE-EMERGENT WEED CONTROL IN ACCORDANCE WITH THE PRODUCT APPLICATION INSTRUCTIONS.
- B. MATERIALS:
- TOPSOIL SHALL MEET THE STANDARDS OUTLINED IN SECTION 917.01 OF THE NJDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
 - ALL PLANTS SHALL BE PROVIDED IN THE SIZE, SPECIES, GENUS AND VARIETY AS SPECIFIED ON THE PLANTING SCHEDULE.
 - ALL PLANTS SHALL CONFIRM TO THE STANDARDS CONTAINED IN THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1), AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPING ASSOCIATION.
 - ALL PLANTS SHALL BE FREE OF DISEASE, INSECTS, KNOTS, AND OTHER DEFORMITIES.
 - TREE CROWNS SHALL BE WELL BALANCED, SYMMETRICAL, AND TYPICAL FOR THE GENUS, SPECIES, AND CULTIVAR.
 - UNLESS OTHERWISE SPECIFIED, ALL TREES SHALL HAVE A SINGLE, RELATIVELY STRAIGHT, CENTRAL LEADER AND TAPERED TRUNK.
 - PLANTS SHALL BE DELIVERED TO THE SITE NO MORE THAN 48 HOURS PRIOR TO PLANTING, WHEN PLANTS WILL NOT BE INSTALLED IMMEDIATELY UPON DELIVERY, THEY SHALL BE STORED IN A SHADED AREA, PROTECTED FROM DIRECT SUNLIGHT, AND THE ROOT BALLS WATERED REGULARLY TO PREVENT DRYING.
 - ALL PLANTS SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE TIME OF OWER ACCEPTANCE.
- C. PLANTING:
- ALL PLANTS SHALL BE HANDLED AND TRANSPORTED TO PREVENT INJURIES DURING TRANSIT. DO NOT DROP OR DUMP PLANTS WHILE LOADING OR UNLOADING.
 - ALWAYS HANDLE PLANTS BY THE ROOTBALL. NEVER LIFT A PLANT BY THE TRUNK OR BRANCHES.
 - ALL SHRUB MASSES ARE TO BE PLANTED IN A CONTINUOUS PLANTING BED.
 - ALL PLANTING BEDS SHALL BE TILLED TO A DEPTH OF 6" PRIOR TO INSTALLING PLANTS.
 - PRIOR TO PLANTING, ALL PLANTS SHALL BE PRUNED IN ACCORDANCE WITH ANSI A.300 TO PRESERVE THE NATURAL CHARACTER OF EACH PLANT. NEVER PRUNE OR REMOVE THE CENTRAL LEADER OF ANY TREE.
 - ALL PLANTS SHALL BE SET PLUMB IN THE PLANTING PITS AT THE SAME DEPTH AT WHICH THEY WERE GROWN IN THE NURSERY. THE ROOT FLARE OF ALL TREES SHALL BE VISIBLE.
 - AFTER PLACING BALLED AND BURLAPPED PLANTS INTO THE PLANTING PIT, BURLAP SHALL BE REMOVED FROM THE TOP 1/3 OF THE ROOTBALL PRIOR TO, OR WHILE, BACKFILLING THE PLANTING PIT. THE TOP RING OF ANY WIRE BASKETS SHALL BE CUT AND REMOVED.
 - UNLESS SPECIFIED ELSEWHERE, ALL PLANTING PITS SHALL BE BACKFILLED WITH A MIXTURE OF 70% NATIVE SOIL AND 30% TOPSOIL.
 - BACKFILLING SHALL BE PLACED IN 6" LIFTS. EACH LIFT SHALL BE WATERED IN AND LET SETTLE PRIOR TO PLACING THE NEXT LIFT.
 - TREES SHALL BE GUYED AND STAKED IN AREAS WITH HIGH WINDS, SATURATED SOILS, STEEP SLOPES OR OTHER CONDITIONS WHICH WARRANT SUPPORT.
 - ALL TREES SHALL BE MULCHED TO A DEPTH OF 2" TO THE LIMIT OF THE PLANTING PIT. MULCH CIRCLE SHALL RESEMBLE A SAUCER. NO MULCH SHALL BE PLACED WITHIN 3" OF THE TREE TRUNK.

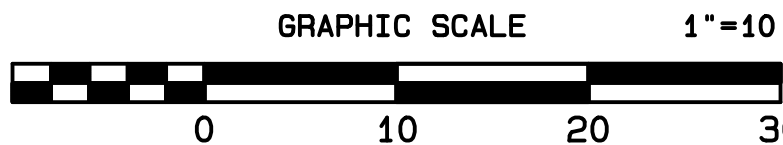
NOTES:

ALL TREES TO BE PLANTED A MINIMUM OF 10 FT FROM UNDERGROUND UTILITIES.

ALL SHRUB GROUPINGS WILL BE PLANTED IN A CONTINUOUS BED AND MULCHED.

ALL SITE WORK, INCLUDING LANDSCAPING, SHALL BE COMPLETED PER PLANS PRIOR TO OCCUPANCY.

SITE DATA:
LOTS 16-17 BLOCK 406
LAWRENCE TOWNSHIP TAX MAPS
AREA = 7,500 Sq.Ft.
= 0.172 ± Ac.

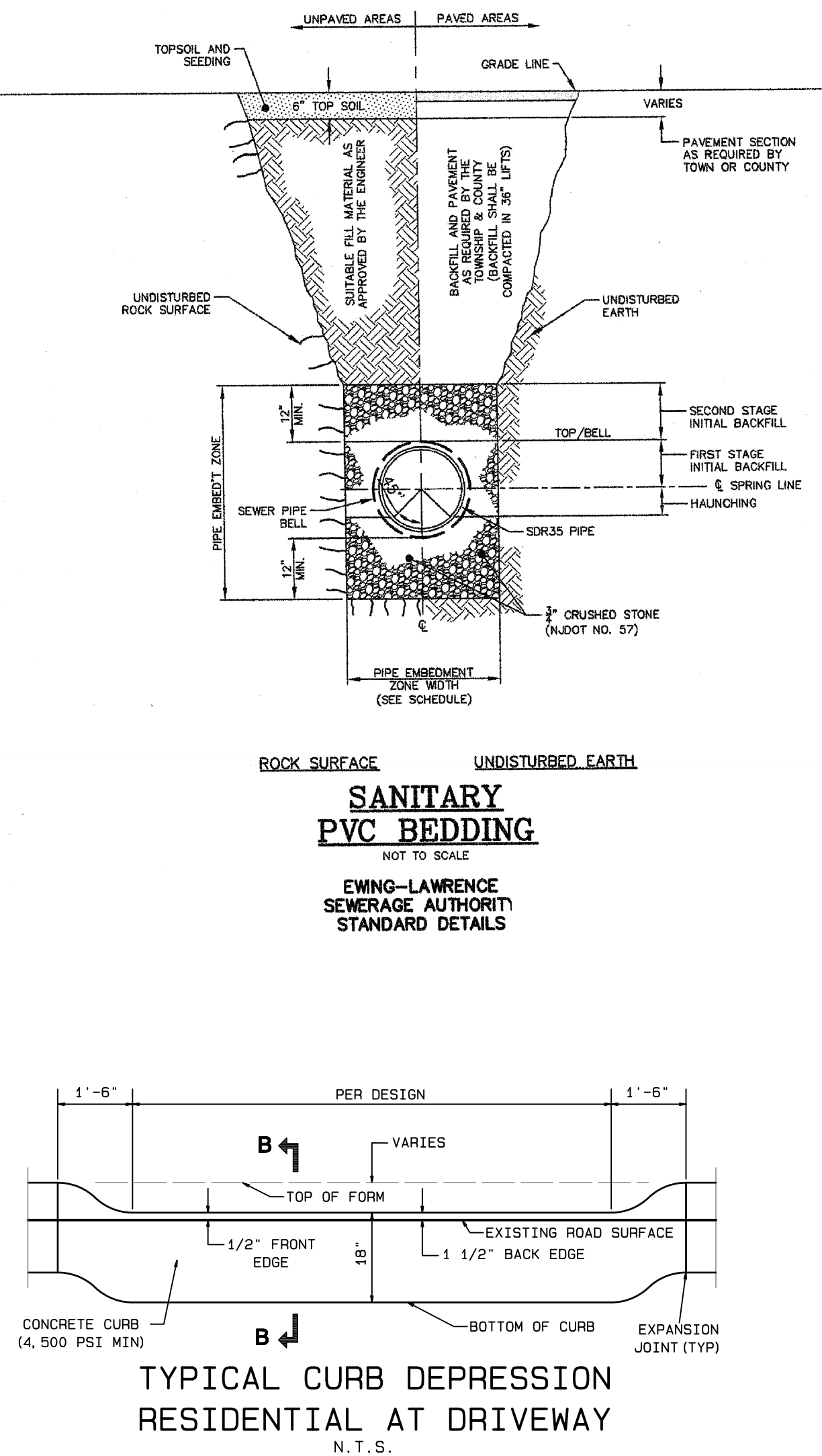
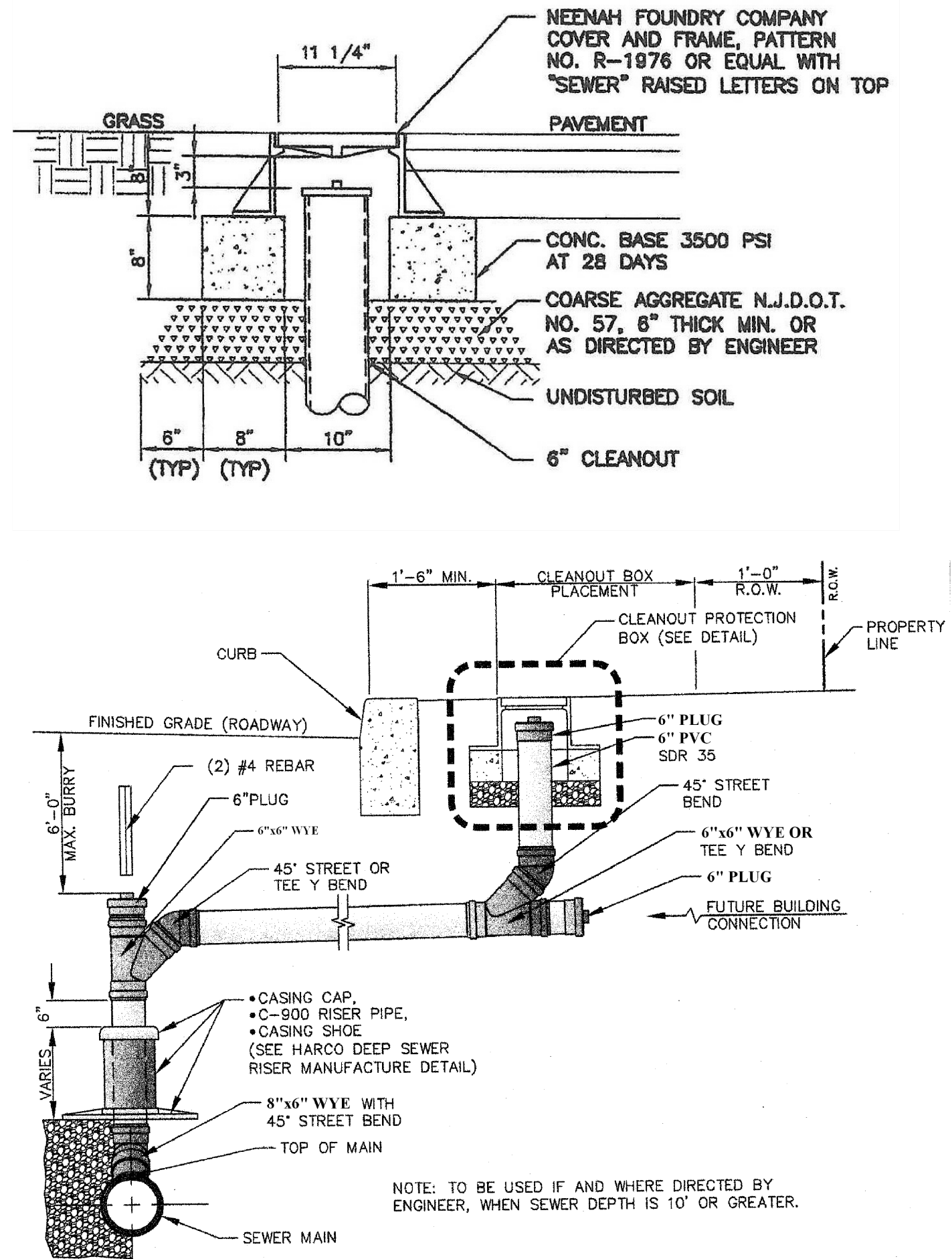
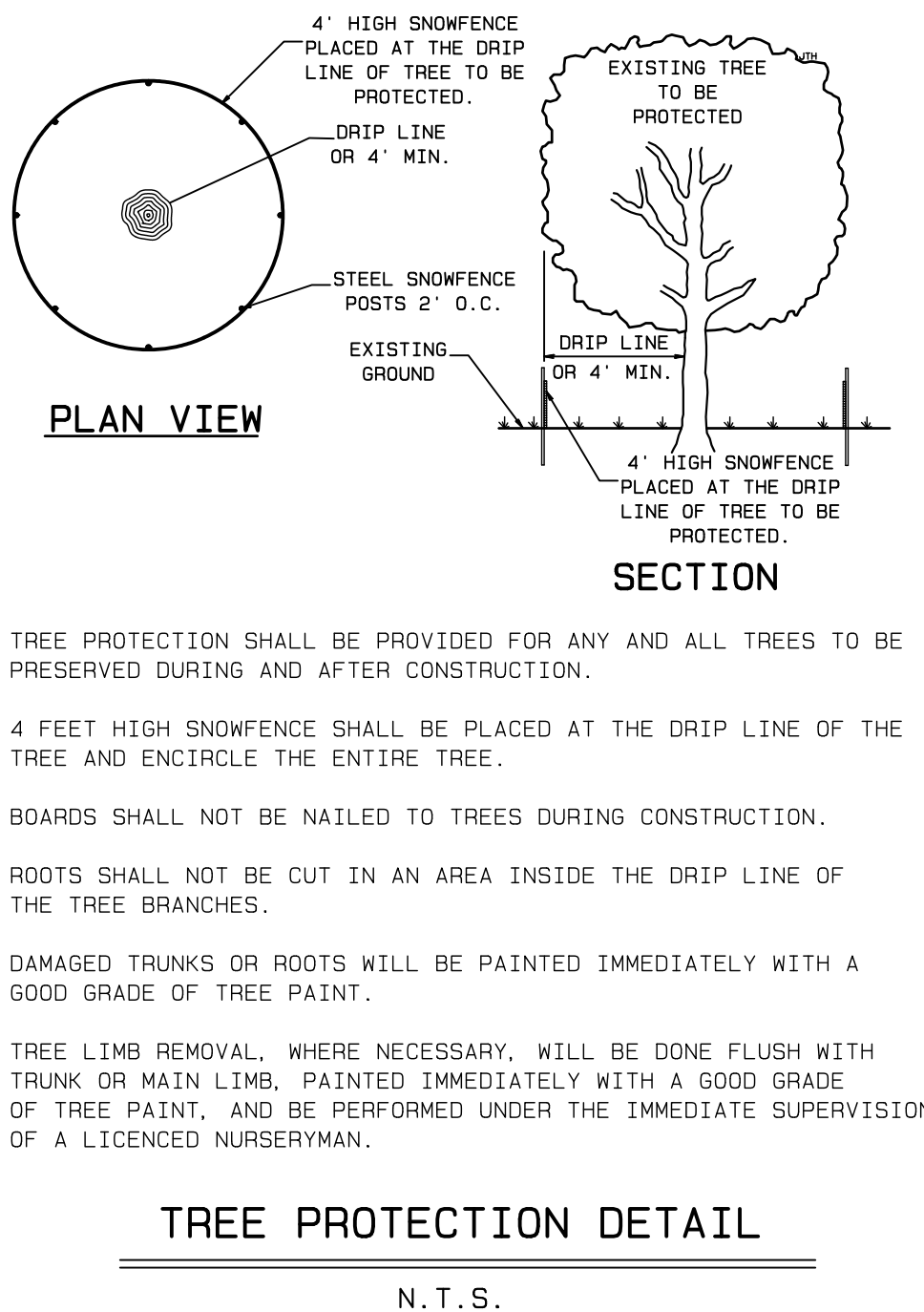
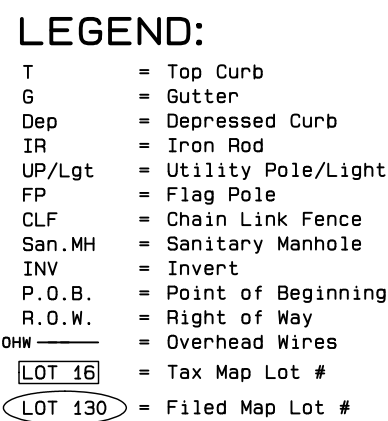


SHEET 3

		TRENTON ENGINEERING CO., INC. PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS ESTABLISHED 1907 2193 SPRUCE STREET TRENTON, N.J. 08638 TEL. NO. 609-882-0616 FAX. NO. 609-882-6004 D.P. STRATTON, L.S. N.J.-27923 P.P.N.J.-5021 C.W. STRATTON, L.S. N.J.-43395 JOSEPH MESTER N.J. PROFESSIONAL ENGINEER & PROFESSIONAL LAND SURVEYOR No. 19462 8/30/26 <i>Joseph Mester</i>	LANDSCAPE PLAN of Lots 16-17, Block 406 for Grzegorz Janusz in TOWNSHIP OF LAWRENCE MERCER CO., NEW JERSEY		CERTIFICATE OF AUTHORIZATION NO. 205428020000 TAX MAP DATA LOT BLOCK PAGE 16-17 406 4 DATE 10/20/25 INV. 45067 DRAWN BY: BDS SCALE 1"=10' FB. PG. FILE 109-74
1 8-30-26 ADD SURROUNDING OWNERS LIST					
No. Date Description					
REVISIONS					

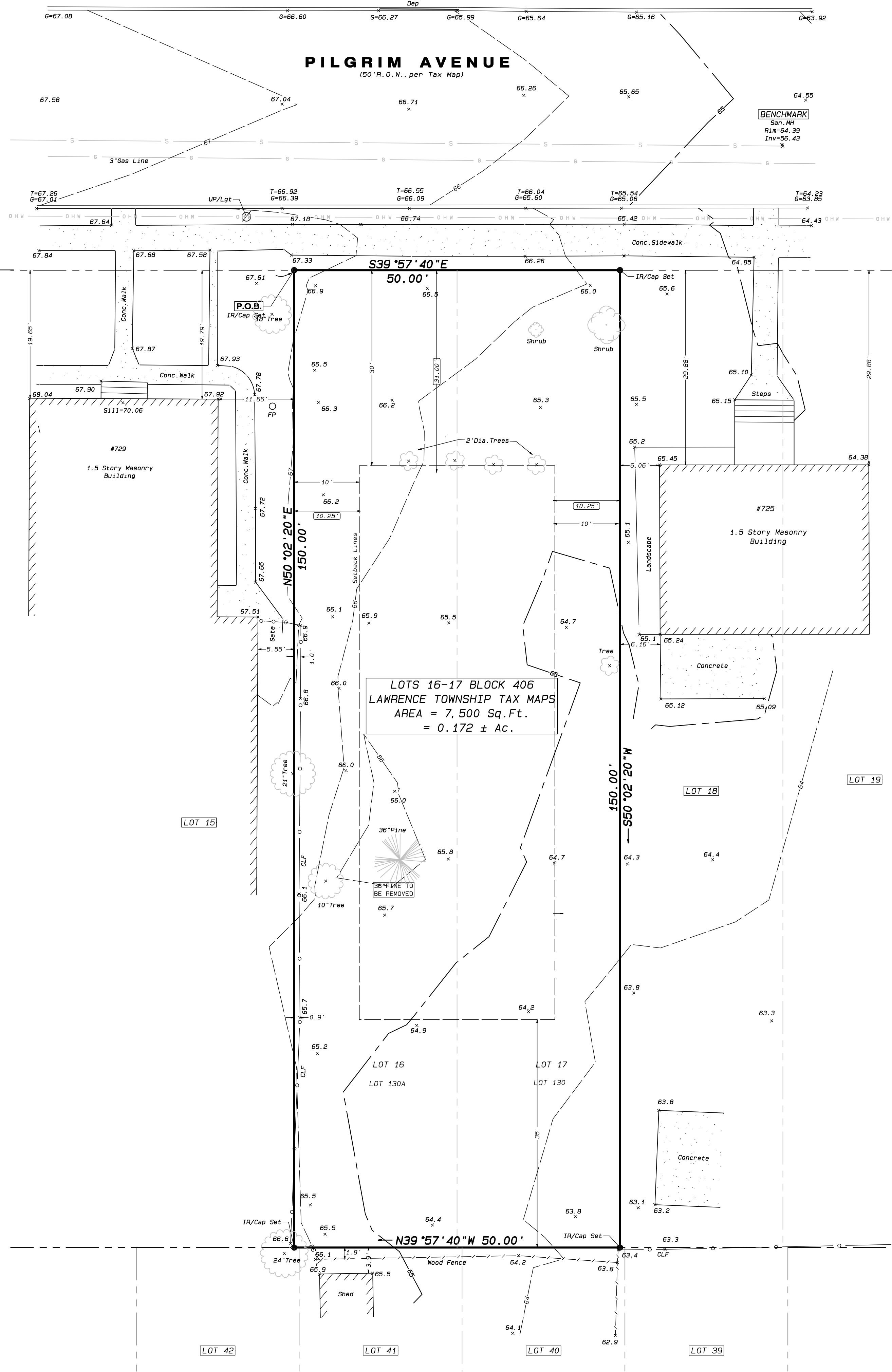
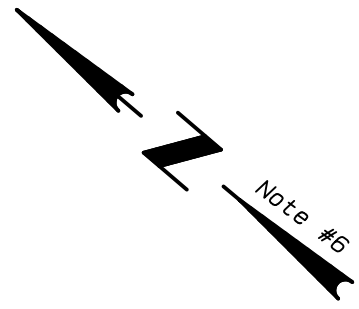
NOTE:
SIGHT TRIANGLE BASED ON 25 MPH SPEED LIMIT ON PILGRIM AVENUE, MEASURED 14.5 FEET FROM THE CURB LINE AND 240 FEET ALONG THE CENTER LINE OF THE SOUTH BOUND TRAVEL LANE AND 280 FEET ALONG THE CENTER LINE OF THE NORTH BOUND TRAVEL LANE AS PER NJDOT FIGURE 6-A.

TOTAL AREA = 157.2 S.F.



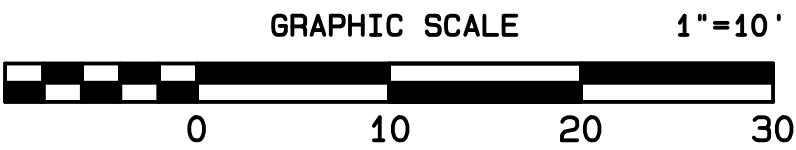
SITE DATA:
 LOTS 16-17 BLOCK 406
 LAWRENCE TOWNSHIP TAX MAPS
 AREA = 7,500 Sq.Ft.
 = 0.172 ± Ac.

BRUNSWICK PIKE
(50' R.O.W., per Tax Map)



NOTES:

1. THERE MAY BE VARIOUS LEDGES, PROTRUSIONS, OVERHANGS, ETC. THAT ARE NOT SHOWN OR MEASURED ALONG THESE BUILDINGS. FOR USE OTHER THAN A PICTURE FOOTPRINT ADDITIONAL DETAIL AND MEASUREMENTS MAY BE REQUIRED TO SHOW SPECIFIC CONDITIONS ALONG THAT PORTION OF THE BUILDING IN QUESTION.
2. THIS PLAN PREPARED FOR A FEE FOR THE PERSONS AND PURPOSES INDICATED HEREON. ANY OTHER USE OF THIS PLAN (OR COPIES, OR ALTERATIONS OF IT) NOT IMPRESSED WITH THE SEAL OF THE LICENSED INDIVIDUAL WHO PREPARED THIS PLAN IS NOT THE RESPONSIBILITY OF THE UNDERSIGNED.
3. UTILITY STATEMENT: THE UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN HEREON HAVE BEEN LOCATED FROM PHYSICAL MARKINGS ON THE GROUND BY VARIOUS UTILITY COMPANIES, FIELD SURVEY INFORMATION, ATLAS MAPS AS MAY BE AVAILABLE FROM MUNICIPALITIES OR UTILITY COMPANIES, AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES OR STRUCTURES SHOWN COMPRISE ALL SUCH UNDERGROUND FEATURES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND FEATURES WHICH ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. PRIOR TO ANY DESIGN OR CONSTRUCTION, THE UNDERGROUND UTILITY MARKOUT NUMBER (800-272-1000) SHALL BE CALLED.
4. SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND LEASES OF RECORD, RECORDED OR UNRECORDED, AND ANY OTHER PERTINENT FACTS WHICH A TITLE SEARCH MIGHT DISCLOSE, TITLE SEARCH NOT PROVIDED.
5. INVESTIGATION AND DETERMINATION OF ENVIRONMENTAL, FLOODPLAIN AND SUBSURFACE CONDITIONS WERE NOT PART OF THIS PROJECT OR CONTRACT.
6. HORIZONTAL DATUM: "PLAN OF TOPOGRAPHIC SURVEY OF LOTS 24-29, BLOCK 406 FOR RAYMOND & JILL BODNAR" PREPARED BY TRENTON ENGINEERING CO., INC., DATED JAN. 12, 2022, FILE #107-28.
7. VERTICAL DATUM: ASSUMED SYSTEM
8. BENCHMARK ON SITE: RIM OF ELSA MH IN PILGRIM AVENUE, ELEVATION=64.39, AS SHOWN ON PLAN.
9. REFERENCE PLAN: "PLAN OF SURVEY OF #711 PILGRIM AVENUE" PREPARED BY TRENTON ENGINEERING CO., INC., DATED 11/5/86, FILE #92-3.
10. ALSO KNOWN AS LOTS 130 & 130A ON MAP ENTITLED "SUPPLEMENTARY PLAN-COLONIAL HEIGHTS" DULY FILED IN THE MERCER COUNTY CLERK'S OFFICE IN 1919 AS MAP #2999.
11. BASED UPON REVIEW OF THE FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL NUMBER 54021C 0220F, REVISED JULY 20, 2016, THE PROPERTY DEPICTED ON THIS SURVEY IS SCALED TO BE IN FLOOD ZONE "X". AREAS OF MINIMAL FLOODING.
12. PROPERTY CORNERS FOUND OR SET AS SHOWN.



SHEET 5

LEGEND:

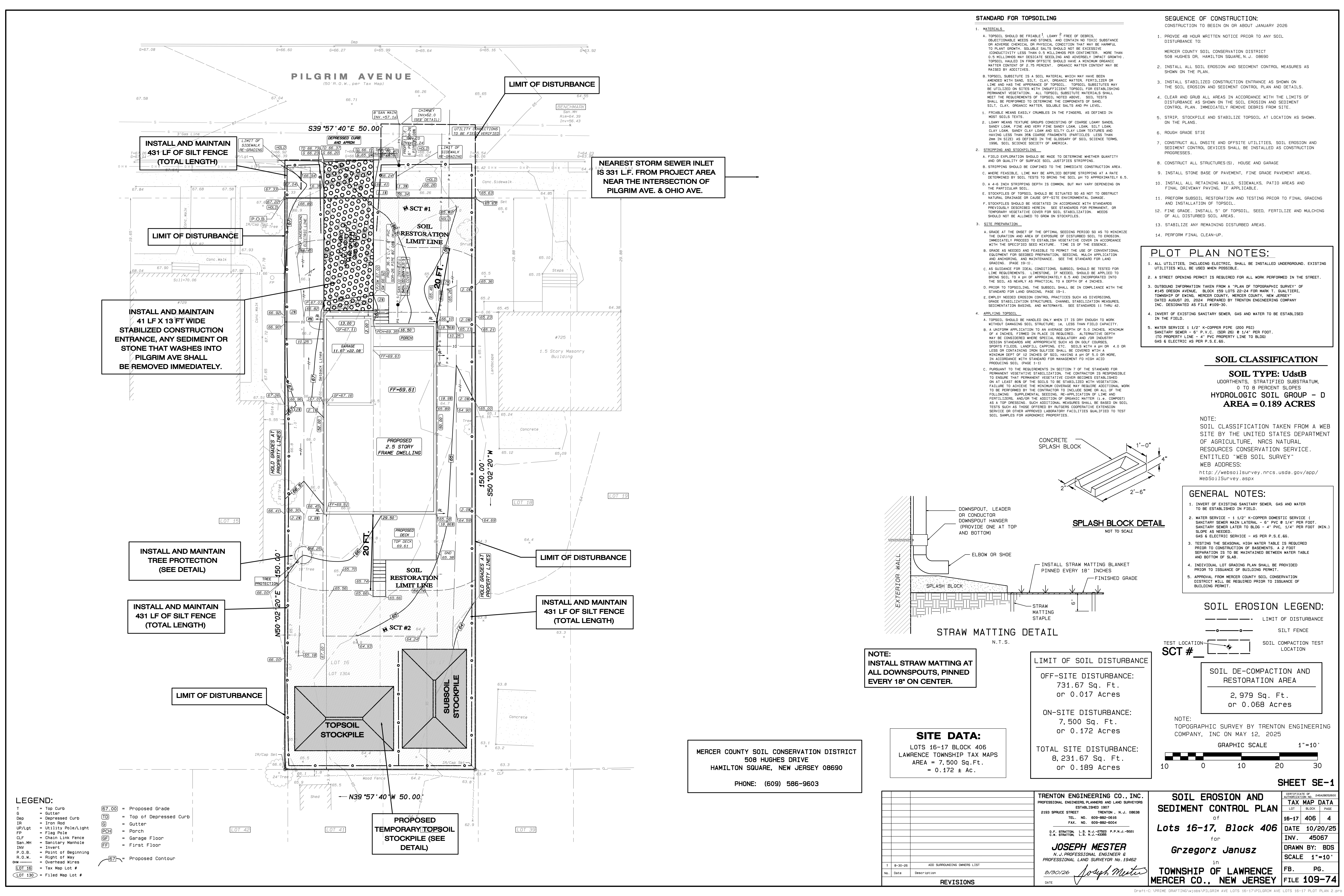
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- G = Gutter
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- UP/Lgt = Utility Pole/Light
- FP = Flag Pole
- CLF = Chain Link Fence
- San.MH = Sanitary Manhole
- INV = Invert
- P.O.B. = Point of Beginning
- R.O.W. = Right of Way
- OW = Overhead Wires
- LOT 16 = Tax Map Lot #
- LOT 130 = Filled Map Lot #

No.	Date	Description
1	8-30-26	ADD SURROUNDING OWNERS LIST
REVISIONS		

TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET, TRENTON, N.J. 08638
TEL. NO. 609-882-0616
FAX. NO. 609-882-6004
C.W. STRATTON, L.S.N.J.-43395, L.S.P.A.-807507672
CRAIG W. STRATTON
N.J. PROFESSIONAL LAND SURVEYOR
No. 43395
Craig W. Stratton
DATE 8/30/26

PLAN OF
TOPOGRAPHIC SURVEY
of
Lots 16-17, Block 406
for
Grzegorz Janusz
in
**TOWNSHIP OF LAWRENCE
MERCER CO., NEW JERSEY**

TAX MAP DATA		
LOT	BLOCK	PAGE
16-17	406	4
DATE	5/12/25	
INV.	45067	
DRAWN BY:	BDS	
SCALE	1"=10'	
FB.	PG.	
FILE	109-74	



STANDARD FOR TOPSOILING

1. MATERIALS
A. TOPSOIL SHOULD BE FRIABLE, LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, CONTAINING NO TOXIC SUBSTANCE OR ADVERSE CHEMICAL OR PHYSICAL CONDITION THAT MAY BE HARMFUL TO PLANT GROWTH. SOLUBLE SALTS SHOULD NOT BE EXCESSIVE (CONDUCTIVITY LESS THAN 0.5 MILLIMHOS PER CENTIMETER. MORE THAN 0.5 MILLIMHOS MAY DESICcate SEEDLINGS AND ADVERSELY IMPACT GROWTH). TOPSOIL HAULED IN FROM OFFSITE SHOULD HAVE A MINIMUM ORGANIC MATTER CONTENT OF 2.75 PERCENT. ORGANIC MATTER CONTENT MAY BE RAISED BY ADDITIVES.
B. TOPSOIL SUBSTITUTE IS A SOIL MATERIAL WHICH MAY HAVE BEEN AMENDED WITH SAND, SILT, CLAY, ORGANIC MATTER, FERTILIZER OR LIME AND HAS THE APPEARANCE OF TOPSOIL. TOPSOIL SUBSTITUTES MAY BE UTILIZED ON SITES WITH INSUFFICIENT TOPSOIL FOR ESTABLISHING PERMANENT VEGETATION. ALL TOPSOIL SUBSTITUTE MATERIALS SHALL MEET THE REQUIREMENTS OF TOPSOIL NOTED ABOVE. SOIL TESTS SHALL BE PERFORMED TO DETERMINE THE COMPONENTS OF SAND, SILT, CLAY, ORGANIC MATTER, SOLUBLE SALTS AND PH LEVEL.
C. FRIABLE MEANS EASILY CRUMBLES IN THE FINGERS, AS DEFINED IN MOST SOILS TESTS.
D. LOAMY MEANS TEXTURE GROUPS CONSISTING OF COARSE LOAMY SANDS, SANDY LOAM, FINE AND VERY FINE SANDY LOAM, SILT LOAM, CLAY LOAM, SANDY CLAY LOAM AND SILTY CLAY LOAM TEXTURES AND HAVING LESS THAN 30% COARSE FRAGMENTS (PARTICLES LESS THAN 2MM IN SIZE) AS DEFINED IN THE GLOSSARY OF SOIL SCIENCE TERMS, 1996, SOIL SCIENCE SOCIETY OF AMERICA.
E. STRIPPING AND STOCKPILING
1. FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER QUANTITY AND OR QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.
2. STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA.
3. WHERE FEASIBLE, LIME MAY BE APPLIED BEFORE STRIPPING AT A RATE DETERMINED BY SOIL TESTS TO BRING THE SOIL PH TO APPROXIMATELY 6.5.
4. A 4-6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.
5. STOCKPILES OF TOPSOIL SHOULD BE SITUATED SO AS NOT TO OBSTRUCT NATURAL DRAINAGE OR CAUSE OFF-SITE ENVIRONMENTAL DAMAGE.
6. STOCKPILES SHOULD BE VEGETATED IN ACCORDANCE WITH STANDARDS PREVIOUSLY DESCRIBED HEREIN. SEE STANDARDS FOR PERMANENT, OR TEMPORARY VEGETATIVE COVER FOR SOIL STABILIZATION. WEEDS SHOULD NOT BE ALLOWED TO GROW ON STOCKPILES.
7. SITE PREPARATION
A. GRADE AT THE ONSET OF THE OPTIMAL SEEDING PERIOD SO AS TO MINIMIZE THE DURATION AND AREA OF EXPOSURE OF DISTURBED SOIL TO EROSION. IMMEDIATELY PROCEED TO ESTABLISH VEGETATIVE COVER IN ACCORDANCE WITH THE SPECIFIED SEED MIXTURE. TIME IS OF THE ESSENCE.
B. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. SEE THE STANDARD FOR LAND GRADING, (PAGE 19-1).
C. AS GUIDANCE FOR IDEAL CONDITIONS, SUBSOIL SHOULD BE TESTED FOR LIME REQUIREMENTS. LIMESTONE, IF NEEDED, SHOULD BE APPLIED TO BRING SOIL TO A PH OF APPROXIMATELY 6.5 AND INCORPORATED INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES.
D. PRIOR TO TOPSOILING, THE SUBSOIL SHALL BE IN COMPLIANCE WITH THE STANDARD FOR LAND GRADING, PAGE 19-1.
E. EMPLOY NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, CHANNEL STABILIZATION MEASURES, SEDIMENTATION BASINS, AND WATERWAYS. SEE STANDARDS 11 THRU 42.
8. APPLYING TOPSOIL
A. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING SOIL STRUCTURE, i.e. LESS THAN FIELD CAPACITY.
B. A UNIFORM APPLICATION TO AN AVERAGE DEPTH OF 5.0 INCHES, MINIMUM OF 4 INCHES, FIRMED IN PLACE IS REQUIRED. ALTERNATIVE METHOD MAY BE CONSIDERED WHERE SPECIAL REGULATORY AND/OR INDUSTRY DESIGN STANDARDS ARE APPROPRIATE SUCH AS ON GOLF COURSES, SPORTS FIELDS, LANDFILL CAPPING, ETC. SOILS WITH A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE SHALL BE COVERED WITH A MINIMUM DEPTH OF 12 INCHES OF SOIL HAVING A PH OF 5.0 OR MORE, IN ACCORDANCE WITH STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOIL (PAGE 1-11).
C. PURSUANT TO THE REQUIREMENTS IN SECTION 7 OF THE STANDARD FOR PERMANENT VEGETATIVE STABILIZATION, THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT PERMANENT VEGETATIVE COVER BECOMES ESTABLISHED ON AT LEAST 80% OF THE SOILS TO BE STABILIZED WITH VEGETATION. FAILURE TO ACHIEVE THE MINIMUM COVERAGE MAY REQUIRE ADDITIONAL WORK TO BE PERFORMED BY THE CONTRACTOR TO INCLUDE SOME OR ALL OF THE FOLLOWING: SUPPLEMENTAL SEEDING, RE-APPLICATION OF LIME AND FERTILIZERS, AND/OR THE ADDITION OF ORGANIC MATTER (i.e. COMPOST) AS A TOP DRESSING. SUCH ADDITIONAL MEASURES SHALL BE BASED ON SOIL TESTS SUCH AS THOSE OFFERED BY RUTGERS COOPERATIVE EXTENSION SERVICE OR OTHER APPROVED LABORATORY FACILITIES QUALIFIED TO TEST SOIL SAMPLES FOR AGRONOMIC PROPERTIES.

SEQUENCE OF CONSTRUCTION:

- CONSTRUCTION TO BEGIN ON OR ABOUT JANUARY 2025
1. PROVIDE 48 HOUR WRITTEN NOTICE PRIOR TO ANY SOIL DISTURBANCE TO:
MERCER COUNTY SOIL CONSERVATION DISTRICT
508 HUGHES DR, HAMILTON SQUARE, N.J. 08609
 2. INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE PLAN.
 3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN AND DETAILS.
 4. CLEAR AND GRUB ALL AREAS IN ACCORDANCE WITH THE LIMITS OF DISTURBANCE AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN. IMMEDIATELY REMOVE DEBRIS FROM SITE.
 5. STRIP, STOCKPILE AND STABILIZE TOPSOIL AT LOCATION AS SHOWN ON THE PLANS.
 6. ROUGH GRADE SITE
 7. CONSTRUCT ALL ONSITE AND OFFSITE UTILITIES, SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS CONSTRUCTION PROGRESSES.
 8. CONSTRUCT ALL STRUCTURES(S), HOUSE AND GARAGE
 9. INSTALL STONE BASE OF PAVEMENT, FINE GRADE PAVEMENT AREAS.
 10. INSTALL ALL RETAINING WALLS, SIDEWALKS, PATIO AREAS AND FINAL DRIVEWAY PAVING, IF APPLICABLE.
 11. PREFORM SUBSOIL RESTORATION AND TESTING PRIOR TO FINAL GRADING AND INSTALLATION OF TOPSOIL.
 12. FINE GRADE, INSTALL 5" OF TOPSOIL, SEED, FERTILIZE AND MULCHING OF ALL DISTURBED SOIL AREAS.
 13. STABILIZE ANY REMAINING DISTURBED AREAS.
 14. PERFORM FINAL CLEAN-UP.

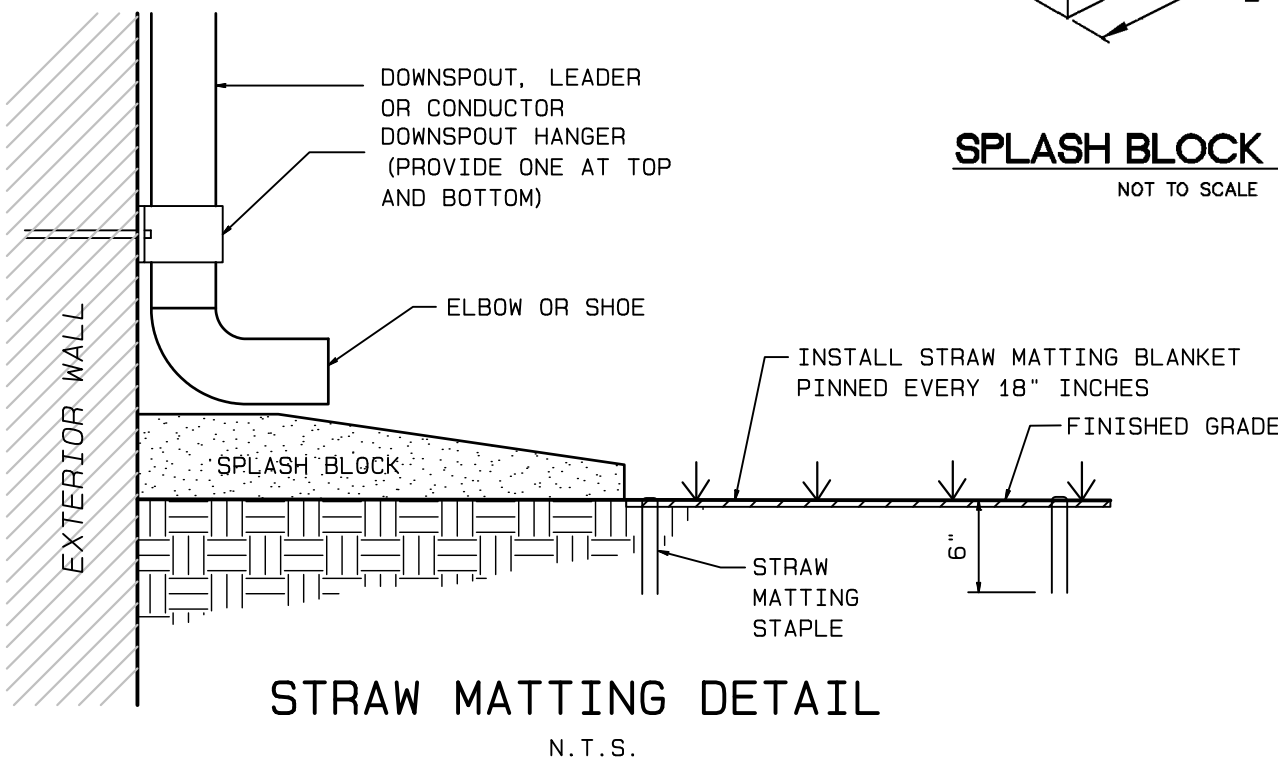
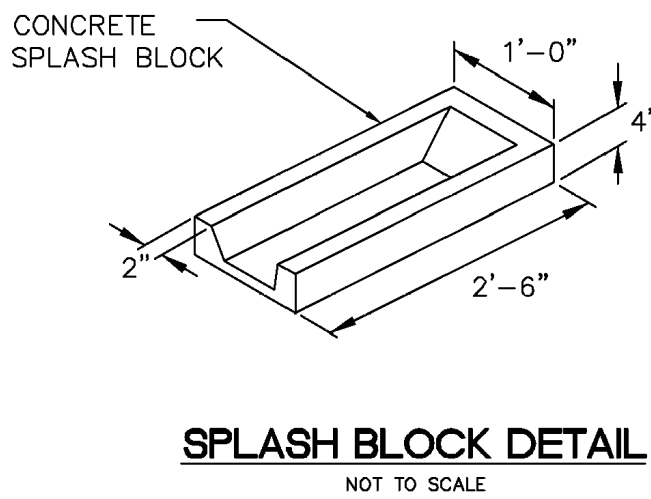
PLOT PLAN NOTES:

1. ALL UTILITIES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND. EXISTING UTILITIES WILL BE USED WHEN POSSIBLE.
2. A STREET OPENING PERMIT IS REQUIRED FOR ALL WORK PERFORMED IN THE STREET.
3. OUTBOUND INFORMATION TAKEN FROM A "PLAN OF TOPOGRAPHIC SURVEY" OF #145 OREGON AVENUE, BLOCK 129 LOTS 22-24 FOR MARK 1, QUALIFIER, TOWNSHIP OF EWING, MERCER COUNTY, MERCER COUNTY, NEW JERSEY DATED AUGUST 20, 2024 PREPARED BY TRENTON ENGINEERING COMPANY INC. DESIGNATED AS FILE #109-30.
4. INVERT OF EXISTING SANITARY SEWER, GAS AND WATER TO BE ESTABLISHED IN THE FIELD.
5. WATER SERVICE 1 1/2" K-COPPER PIPE (200 PSI)
SANITARY SEWER - 6" P.V.C. (SDR 35) @ 1/4" PER FOOT.
(TO PROPERTY LINE - 4" PVC PROPERTY LINE TO BLDG)
GAS 6" ELECTRIC AS PER P.S.E.66.

SOIL CLASSIFICATION

SOIL TYPE: UdStB
UDORTHENTS, STRATIFIED SUBSTRATUM,
0 TO 8 PERCENT SLOPES
HYDROLOGIC SOIL GROUP - D
AREA = 0.189 ACRES

NOTE:
SOIL CLASSIFICATION TAKEN FROM A WEB SITE BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NRCS NATURAL RESOURCES CONSERVATION SERVICE. ENTITLED "WEB SOIL SURVEY"
WEB ADDRESS:
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>



GENERAL NOTES:

1. INVERT OF EXISTING SANITARY SEWER, GAS AND WATER TO BE ESTABLISHED IN FIELD.
2. WATER SERVICE - 1 1/2" K-COPPER DOMESTIC SERVICE (SANITARY SEWER MAIN LATERAL - 6" PVC @ 1/4" PER FOOT. SANITARY SEWER LATER TO BLDG - 4" PVC, 1/4" PER FOOT (MIN.) SLOPE AS NEEDED.
3. TESTING THE SEASONAL HIGH WATER TABLE IS REQUIRED PRIOR TO CONSTRUCTION OF BASEMENTS. A 2 FOOT SEPARATION IS TO BE MAINTAINED BETWEEN WATER TABLE AND BOTTOM OF SLAB.
4. INDIVIDUAL LOT GRADING PLAN SHALL BE PROVIDED PRIOR TO ISSUANCE OF BUILDING PERMIT.
5. APPROVAL FROM MERCER COUNTY SOIL CONSERVATION DISTRICT WILL BE REQUIRED PRIOR TO ISSUANCE OF BUILDING PERMIT.

SOIL EROSION LEGEND:

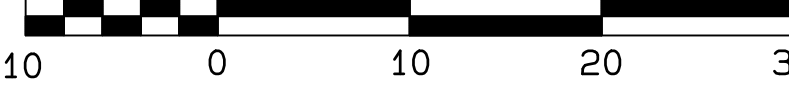
- LIMIT OF DISTURBANCE
- o-o- SILT FENCE
- + TEST LOCATION
- SC# SOIL COMPACTION TEST LOCATION

SOIL DE-COMPACTION AND RESTORATION AREA

2,979 Sq. Ft.
or 0.068 Acres

NOTE:
TOPOGRAPHIC SURVEY BY TRENTON ENGINEERING COMPANY, INC ON MAY 12, 2025

GRAPHIC SCALE 1"=10'



SHEET SE-1

SOIL EROSION AND SEDIMENT CONTROL PLAN

of
Lots 16-17, Block 406

for
Grzegorz Janusz

in
**TOWNSHIP OF LAWRENCE
MERCER CO., NEW JERSEY**

CERTIFICATE OF AUTHORIZATION NO. 20240802000	
TAX MAP DATA	
LOT	PAGE
16-17	406 4
DATE 10/20/25	
INV. 45067	
DRAWN BY: BDS	
SCALE 1"=10'	
FB. PG.	
FILE 109-74	

MERCER COUNTY SOIL CONSERVATION DISTRICT
508 HUGHES DRIVE
HAMILTON SQUARE, NEW JERSEY 08609

PHONE: (609) 586-9603

SITE DATA:

LOTS 16-17 BLOCK 406
LAWRENCE TOWNSHIP TAX MAPS
AREA = 7,500 Sq.Ft.
= 0.172 ± Ac.

LIMIT OF SOIL DISTURBANCE

OFF-SITE DISTURBANCE:
731.67 Sq. Ft.
or 0.017 Acres

ON-SITE DISTURBANCE:
7,500 Sq. Ft.
or 0.172 Acres

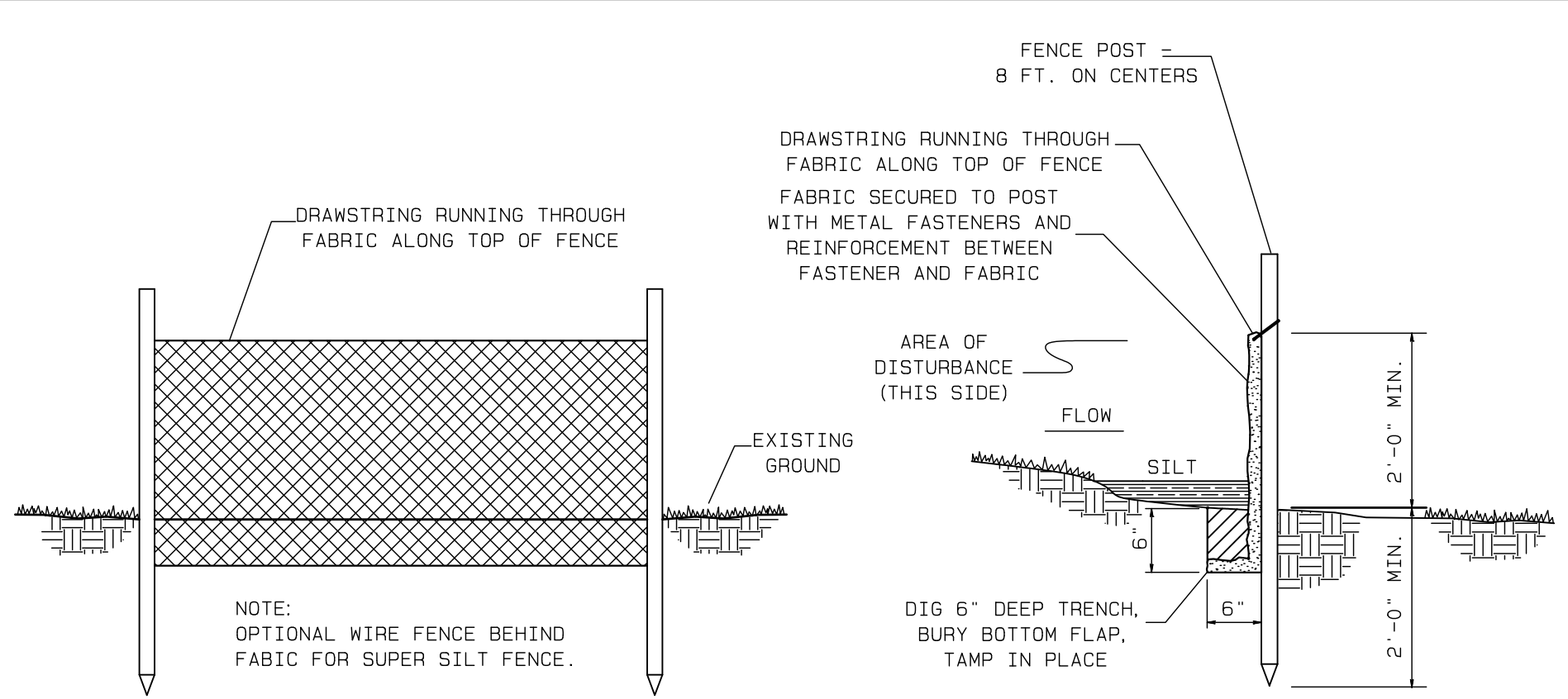
TOTAL SITE DISTURBANCE:
8,231.67 Sq. Ft.
or 0.189 Acres

NOTE:
INSTALL STRAW MATTING AT ALL DOWNSPOUTS, PINNED EVERY 18" ON CENTER.

REVISIONS	
No.	Description
1	8-30-26 ADD SURROUNDING OWNERS LIST

TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET TRENTON, N.J. 08638
TEL. NO. 609-982-0616
FAX. NO. 609-982-6004
D.F. STRATTON, L.S. N.J.-27923 P.P.N.J.-5021
C.W. STRATTON, L.S. N.J.-43395
JOSEPH MESTER
N.J. PROFESSIONAL ENGINEER &
PROFESSIONAL LAND SURVEYOR No. 19462
8/30/26 *Joseph Mester*

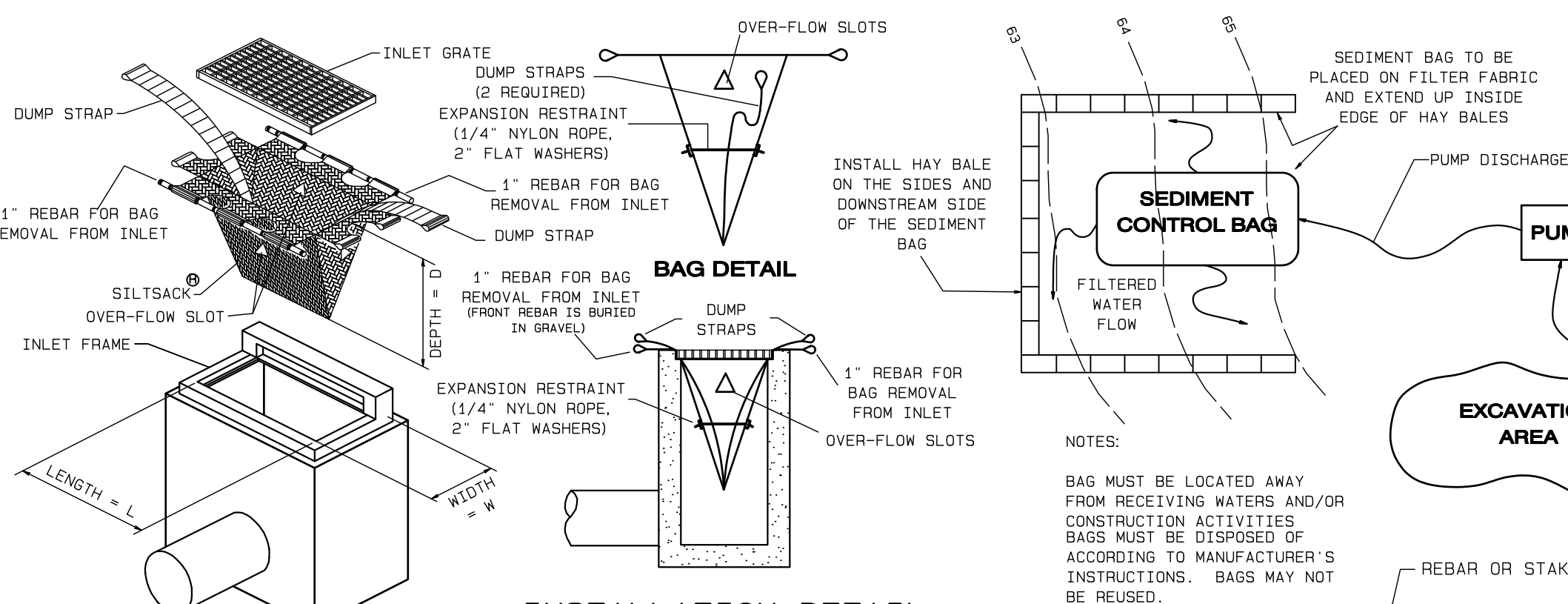
- LEGEND:
- T = Top Curb
 - G = Gutter
 - Dep = Depressed Curb
 - IR = Iron Rod
 - UP/Lgt = Utility Pole/Light
 - FP = Flag Pole
 - CLF = Chain Link Fence
 - San.MH = Sanitary Manhole
 - INW = Invert
 - P.O.B. = Point of Beginning
 - R.O.W. = Right of Way
 - OW = Overhead Wires
 - LOT 16 = Tax Map Lot #
 - LOT 130 = Filled Map Lot #
 - [67.00] = Proposed Grade
 - [TD] = Top of Depressed Curb
 - [G] = Gutter
 - [IR] = Iron Rod
 - [PCH] = Porch
 - [GF] = Garage Floor
 - [FF] = First Floor
 - [67] = Proposed Contour



1. PLACE SILT FENCE AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. THE SLOPE OF THE LAND FOR A LEAST 30 FEET ADJACENT TO ANY SILT FENCE SHALL NO EXCEED 5%. IF SLOPE EXCEEDS 5%, SILT FENCE SHALL BE BACKED UP WITH SNOW FENCE.
3. SILT FENCE SHALL BE INSTALLED SO WATER CANNOT BYPASS THE FENCE AROUND IT'S ENDS.
4. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS POSSIBLE.
5. SILT FENCE SHALL BE REMOVED WHEN CONTRIBUTORY DRAINAGE AREA HAS BEEN STABILIZED IN APPROVED FASHION.

SILT FENCE CONSTRUCTION AND INSTALLATION DETAIL

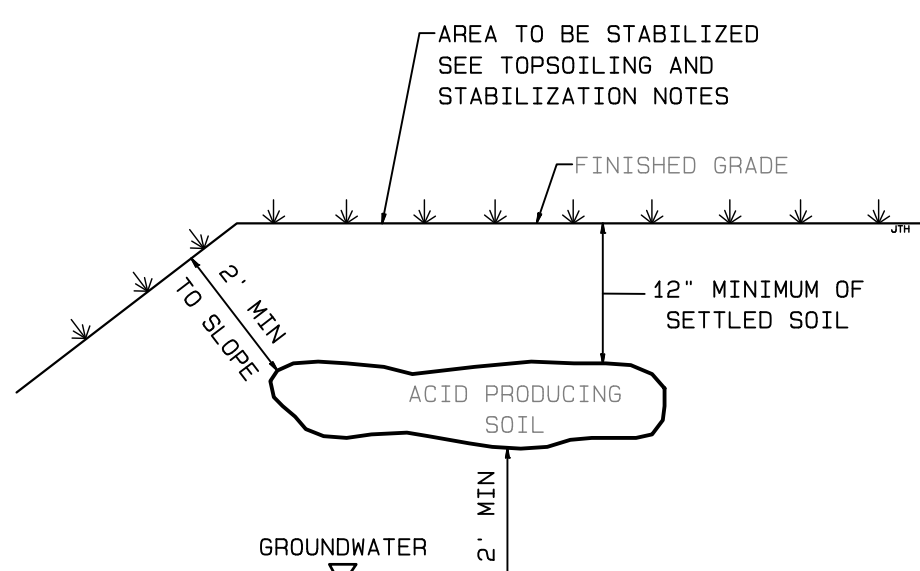
N.T.S.



INSTALLATION DETAIL

INLET SEDIMENT CONTROL SILTSACK DETAIL

NOT TO SCALE



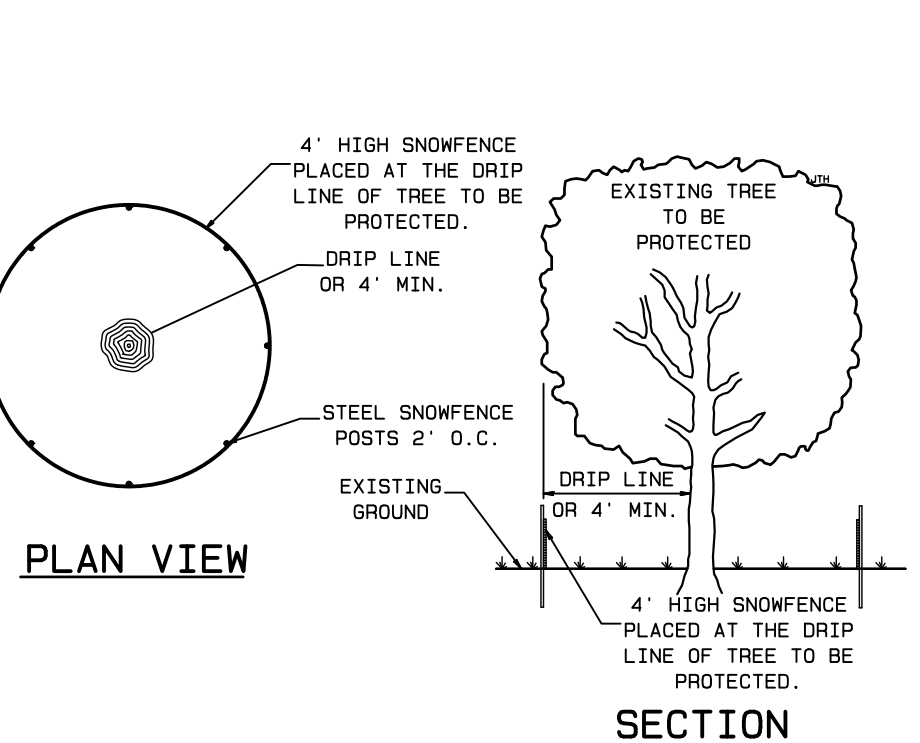
1. ACID PRODUCING SOILS ARE DEFINED AS SOILS CONTAINING IRON SULFIDE MINERALS OR SOILS WITH A PH OF 4.0 OR LESS.
2. IRON SULFIDE MINERALS WILL PRODUCE SULFURIC ACID WHEN EXPOSED TO THE AIR OR SURFACE WATERS.
3. SOIL USED TO COVER ACID PRODUCING SOIL SHALL HAVE A PH OF 5.0 OR MORE.
4. AREAS ON SLOPES SHALL BE COVERED WITH 2 FEET OF SUITABLE SOIL HAVING A PH OF 5.0 OR MORE. THE TOP 5 INCHES (UNSETTLED) SHALL BE TOPSOILED.
5. AREAS WHERE TREES AND/OR SHRUBS WILL BE PLANTED SHALL ALSO BE COVERED WITHA MINIMUM OF 3 FEET OF SETTLED SOIL WITH A PH OF 5.0 OR MORE.
6. ACID SOIL PLACEMENT SHALL AVOID IF POSSIBLE PLACEMENT IN AREAS PROPOSED FOR FUTURE RESIDENTIAL LOTS.
7. TEMPORARILY STOCKPILED HIGH ACID PRODUCING SOIL MATERIAL TO BE EXPOSED FOR MORE THAN 30 DAYS SHALL BE COVERED WITH HEAVY GRADE SHEETS OF POLYETHYLENE OR 3\"/>

MANAGEMENT OF HIGH ACID SOILS

N.T.S.

SEDIMENT CONTROL BAG FOR DEWATERING

FIGURE 14-4

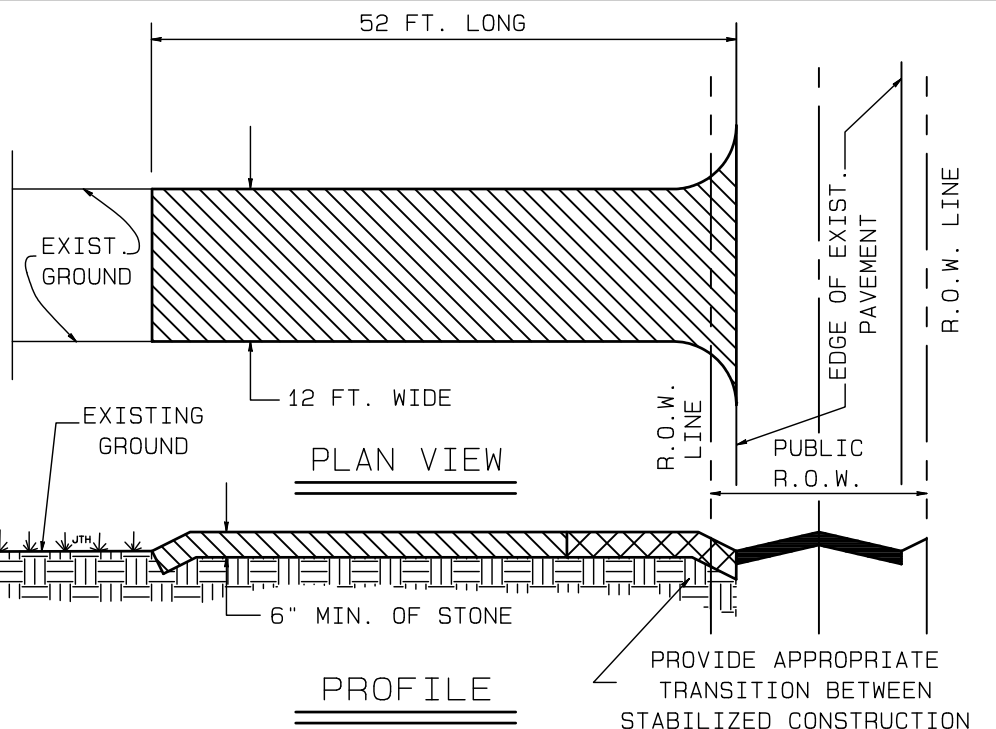


SECTION

1. TREE PROTECTION SHALL BE PROVIDED FOR ANY AND ALL TREES TO BE PRESERVED DURING AND AFTER CONSTRUCTION.
2. 4 FEET HIGH SNOWFENCE SHALL BE PLACED AT THE DRIP LINE OF THE TREE AND ENCIRCLE THE ENTIRE TREE.
3. BOARDS SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.
4. ROOTS SHALL NOT BE CUT IN AN AREA INSIDE THE DRIP LINE OF THE TREE BRANCHES.
5. DAMAGED TRUNKS OR ROOTS WILL BE PAINTED IMMEDIATELY WITH A GOOD GRADE OF TREE PAINT.
6. TREE LIMB REMOVAL, WHERE NECESSARY, WILL BE DONE FLUSH WITH TRUNK OR MAIN LIMB, PAINTED IMMEDIATELY WITH A GOOD GRADE OF TREE PAINT, AND BE PERFORMED UNDER THE IMMEDIATE SUPERVISION OF A LICENCED NURSERYMAN.

TREE PROTECTION DETAIL

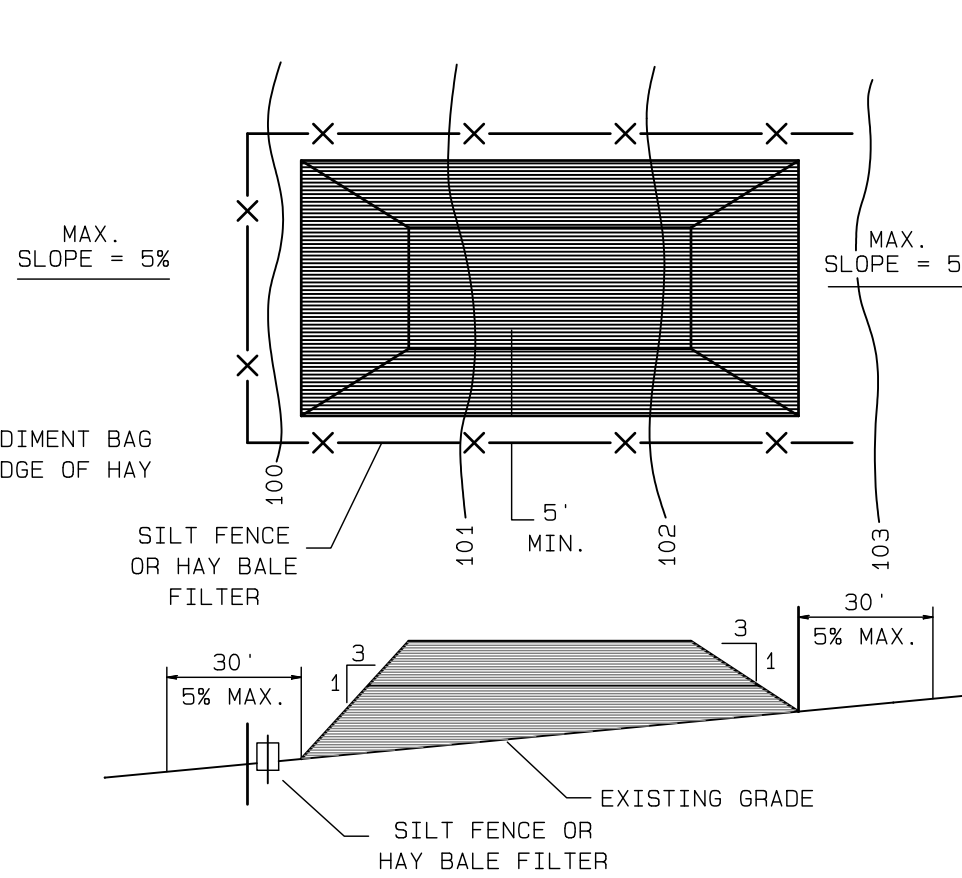
N.T.S.



1. PLACED STABILIZED CONSTRUCTION ENTRANCE AT LOCATION(S) AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. STONE SIZE SHALL BE 1 1/2\"/>

STABILIZED CONSTRUCTION ACCESS DETAIL

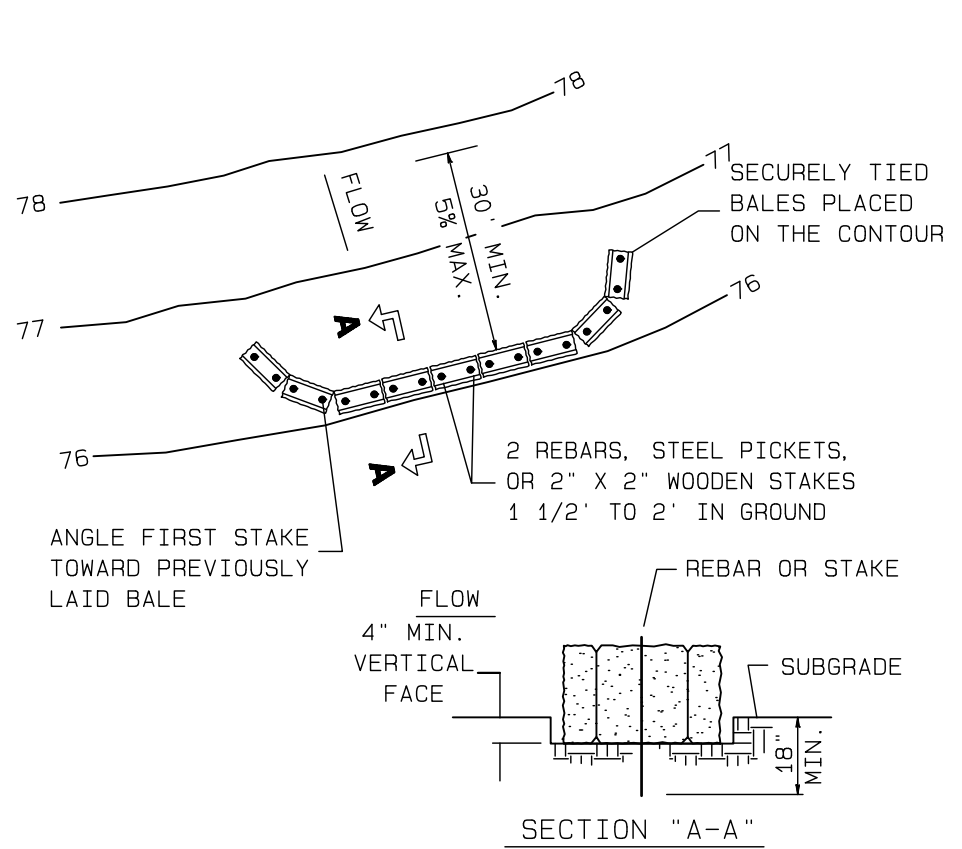
N.T.S.



1. PLACE STOCKPILES AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. ALL SIDE SLOPES SHALL BE 3 TO 1 OR FLATTER.
3. STOCKPILE SHALL RECEIVE A VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQ.
4. SILT FENCE OR HAY BALE FILTER SHALL BE INSTALLED AS DETAILED HEREON.

TOPSOIL STOCKPILE DETAIL

NOT TO SCALE



BALE SEDIMENT BARRIERS PLACEMENT AND ANCHORING DETAIL

FIGURE 23-1

MERCER COUNTY SCO SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO STARTING LAND DISTURBANCE ACTIVITY. NOTICE MAY BE MAILED, FAXED OR MAILED TO:
MCSCD, 590 HUGHES DRIVE, HAMILTON SQUARE, NJ 08690
PHONE: (609) 586-9603 FAX: (609) 586-1117
EMAIL: PAUL@MERCERCO.SCO.NJ.GOV
2. IF APPLICABLE TO THIS PROJECT, THE OWNER SHOULD BE AWARE OF HIS OR HER OBLIGATION TO FILE FOR A NJPDES CONSTRUCTION ACTIVITY STORMWATER SOI PERMIT (NJ0800038) VIA THE NJDEP ONLINE PERMITTING SYSTEM (www.nj.gov/dep/online) AND TO MAINTAIN THE ASSOCIATED BEST MANAGEMENT PRACTICES AND STORMWATER POLLUTION PREVENTION PLAN SELF-INSPECTION LOOKBOOK ONLINE AT ALL TIMES. THIS PERMIT MUST BE FILED PRIOR TO THE START OF SOIL DISTURBANCE. THE ONLINE APPLICATION PROCESS WILL REQUIRE ENTRY OF AN SDC CERTIFICATION CODE, WHICH IS PROVIDED BY THE SOIL CONSERVATION DISTRICT UPON CERTIFICATION OF THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
3. THE MERCER COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
4. ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, INCLUDING AN INCREASE IN THE LIMIT OF DISTURBANCE, WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RECERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
5. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
6. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AS OUTLINED WITHIN THE SEQUENCE OF CONSTRUCTION ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL. IN NJ, IF LANGUAGE CONTAINED WITHIN ANY OTHER PERMIT FOR THIS PROJECT IS MORE RESTRICTIVE THAN (BUT NOT CONTRADICTORY TO) WHAT IS CONTAINED WITHIN THESE NOTES OR ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN, THEN THE MORE RESTRICTIVE PERMIT REQUIREMENTS SHALL BE FOLLOWED.
8. THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS REQUIRES THE INSTALLATION OF A 1 1/2\"/>

9. A SUB-BASE COURSE SHALL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING, PROVIDED THAT ALL OTHER REQUIREMENTS RELATED TO DETENTION BASINS, SWALES AND SEQUENCE OF CONSTRUCTION HAVE BEEN MET.
10. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 14 DAYS AND NOT SUBJECT TO CONSTRUCTION ACTIVITY WILL IMMEDIATELY RECEIVE TEMPORARY STABILIZATION. IF THE SEASON PREVENTS ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER, OR IF THE AREA IS NOT TOPSOILED, THEN THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO STATE STANDARDS. SLOPED AREAS IN EXCESS OF 3H:1V SHALL BE PROVIDED WITH EROSION CONTROL BLANKETS. CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES, ROADWAY EMBANKMENTS, ENVIRONMENTALLY SENSITIVE AREAS) WILL RECEIVE TEMPORARY STABILIZATION IMMEDIATELY AFTER INITIAL DISTURBANCE OR ROUGH GRADING.
11. ANY STEEP SLOPES (I.E. SLOPES GREATER THAN 3:1) RECEIVING PIPELINE OR UTILITY INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS.
12. PERMANENT VEGETATION SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING AND TOPSOILING. ALL AGROCHEMICAL REQUIREMENTS CONTAINED WITHIN THE STANDARDS ADOPTED BY THE MUNICIPALITY PLAN SHALL BE EMPLOYED. MULCH WITH BINDER. IN ACCORDANCE WITH THE STANDARDS, SHALL BE USED ON ALL SEEDED AREAS. SAVE ALL TAGS AND/OR LABELS USED FOR SEED, LINE AND FERTILIZER, AND REPORT TO THE DISTRICT INSPECTOR TO VERIFY THAT MIXTURES AND RATES MEET THE STANDARDS.
13. AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A MANNER THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, THEN THE REMOVAL OR TREATMENT MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
14. DURING THE COURSE OF CONSTRUCTION, SOIL COMPACTION MAY OCCUR WITHIN HAIL ROUTES, STAGING AREAS AND OTHER PROJECT AREAS. IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING, COMPACTED SURFACES SHALL BE SCARIFIED 6\"/>

15. PRIOR TO SEEDINGS, TOPSOIL SHALL BE WORKED TO PREPARE A PROPER SEEDBED. THIS SHALL INCLUDE RAKING OF THE TOPSOIL AND REMOVAL OF DEBRIS AND STONES, ALONG WITH OTHER REQUIREMENTS OF THE STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION.
16. IN ACCORDANCE WITH THE STANDARD FOR MANAGEMENT OF HIGH ACID PRODUCING SOILS, ANY SOIL HAVING A PH OF 4.0 OR LESS OR CONTAINING IRON SULFIDE PRODUCING SOILS SHALL BE BUILT UP WITH A MINIMUM OF 12\"/>

17. MULCHING TO THE STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROC'S ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE OPTIMUM SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL ROC, OR THE COMPLETION OF WORK IN A GIVEN AREA.
18. HYDROSEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LINE ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, HYDROMULCH SHOULD BE APPLIED AT A MINIMUM RATE OF 1000 LBS PER ACRE. IN SECOND STEP, THE USE OF A HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARD. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDRO-MULCH ON SLOPED AREAS IS DISCOURAGED.
19. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED, TRACKED, OR SPILLED DONT PAVED SURFACES SHALL BE IMMEDIATELY REMOVED.
20. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION, AND FOR EMPLOYING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT.
21. OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
22. ALL DETENTION/RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUDING OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPROVISED SURFACES. PERMANENT STABILIZATION INCLUDES, BUT IS NOT LIMITED TO: TOPSOIL, SEED, STRAW MULCH AND BINDERS OR EROSION CONTROL BLANKETS ON ALL SEEDED, ALL AGROCHEMICAL REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. INSTALLATION OF THE OUTFALL CONTROL STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTFALL PROTECTION, EMERGENCY SPILLWAYS, AND LAP RING PROTECTION.
23. THE RIDING SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4\"/>

24. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATION, ETC.) MUST BE DONE THROUGH AN INLET OR OUTFALL FILTER IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING AND SEDIMENT CONTROL. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENIAL VEGETATION OR SIMILAR STABLE SURFACE.
25. ALL SWALES OR CHANNELS THAT WILL RECEIVE RUNOFF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT. IF THE SEASON PROHIBITS THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MAY BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.
26. NJSA 4:24-39 (f), (g), (h) REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISION MUST BE COMPLETE BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE. THE REPORT MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY, RESPECTIVELY.

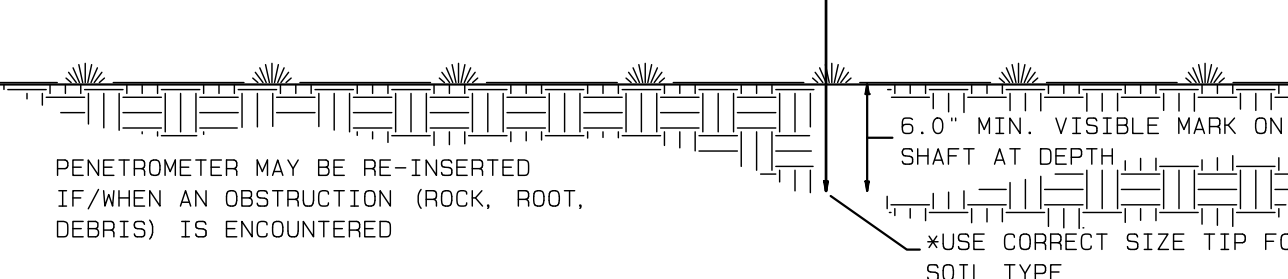
MERCER COUNTY SOIL CONSERVATION DISTRICT

508 HUGHES DRIVE
HAMILTON SQUARE, NEW JERSEY 08690

PHONE: (609) 586-9603

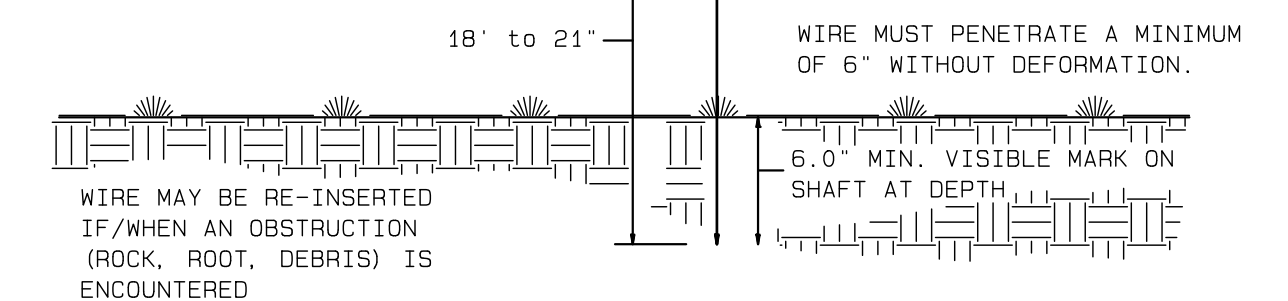
HANDHELD SOIL PENETROMETER TEST

NOTE:
SOIL SHOULD BE MOIST BUT NOT SATURATED.
DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES.
SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE PROBE. PROBE MUST PENETRATE AT LEAST 6\"/>



PROBING WIRE TEST 15.5 GA. STEEL WIRE (SURVEY FLAG)

NOTE:
SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES.
SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE.



STANDARD FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION

1. SITE PREPARATION

- A. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION. SEEDING, MULCH APPLICATION AND MULCH ANCHERING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING.
- B. IMMEDIATELY PRIOR TO SEEDING AND TOPSOIL APPLICATION, THE SUBSOIL SHALL BE EVALUATED FOR COMPACTION IN ACCORDANCE WITH THE STANDARD FOR LAND GRADING.
- C. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5\"/>

- D. INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRASS STABILIZATION STRUCTURE, CHANNEL STABILIZATION MEASURES, SEDIMENT BASIN, AND WATERWAYS.
- E. MULCHING SHALL BE DONE IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING.
- F. UNIFORMLY APPLY GROUND LIME/STONE AND FERTILIZER TO TOPSOIL WHICH SHALL BE APPROXIMATELY 25% OF THE SOIL SURFACE. THEN WITHIN EACH SECTION, SOIL SAMPLE MATERIALS ARE AVAILABLE FROM THE LOCAL RUTTERS COOPERATIVE EXTENSION OFFICES. (1/2\"/>

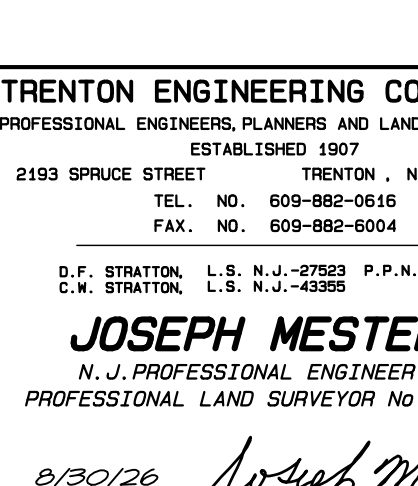
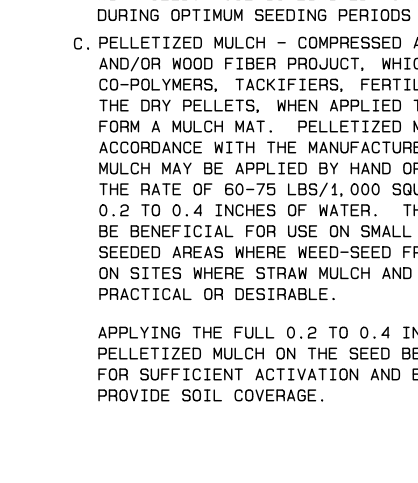
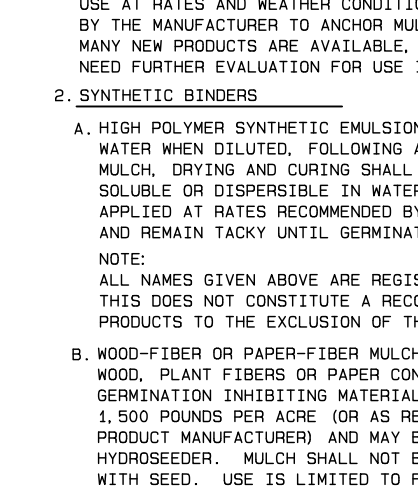
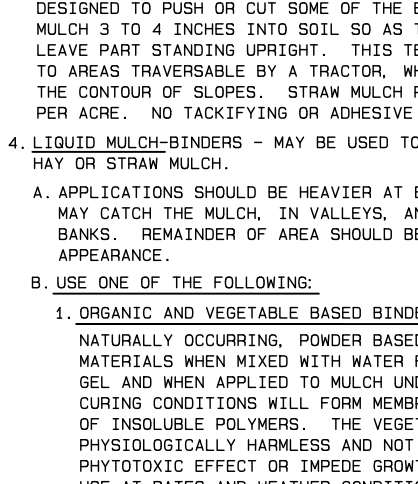
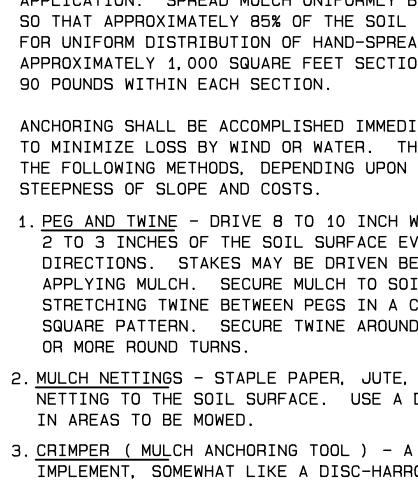
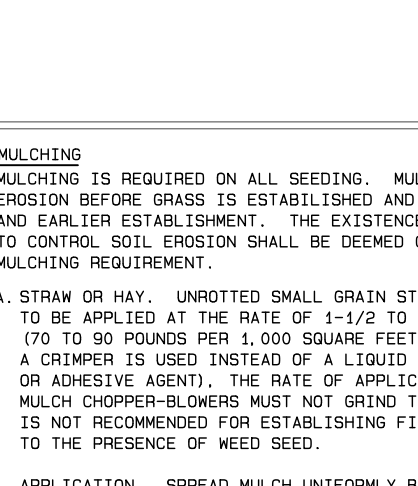
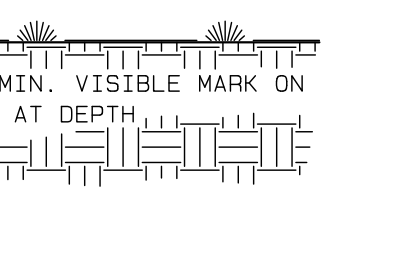
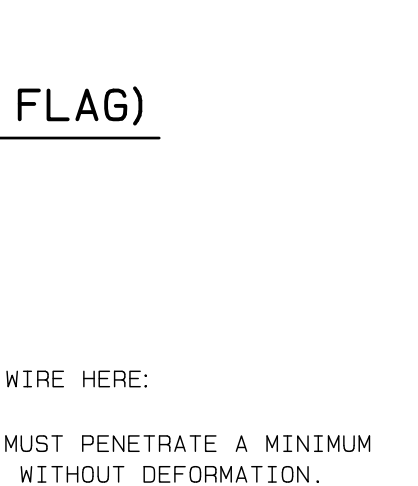
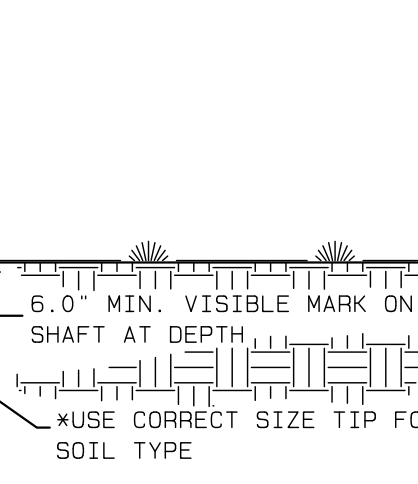
- G. HIGH ACID PRODUCING SOILS SHALL BE BUILT UP WITH A MINIMUM OF 12\"/>

- H. MULCHING TO THE STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONAL ROC'S ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING. PERMANENT STABILIZATION MUST THEN BE COMPLETED DURING THE OPTIMUM SEEDING SEASON IMMEDIATELY FOLLOWING THE CONDITIONAL ROC, OR THE COMPLETION OF WORK IN A GIVEN AREA.
- I. HYDROSEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LINE ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF THE SEEDING OPERATION, HYDROMULCH SHOULD BE APPLIED AT A MINIMUM RATE OF 1000 LBS PER ACRE. IN SECOND STEP, THE USE OF A HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARD. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE STANDARDS. THE USE OF HYDRO-MULCH ON SLOPED AREAS IS DISCOURAGED.
- J. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF THE CONSTRUCTION PROJECT. ALL SEDIMENT WASHED, DROPPED, TRACKED, OR SPILLED DONT PAVED SURFACES SHALL BE IMMEDIATELY REMOVED.
- K. THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION, AND FOR EMPLOYING ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AT THE REQUEST OF THE MERCER COUNTY SOIL CONSERVATION DISTRICT.
- L. OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- M. ALL DETENTION/RETENTION BASINS MUST BE FULLY CONSTRUCTED (INCLUDING OF ALL STRUCTURAL COMPONENTS AND LINERS) AND PERMANENTLY STABILIZED PRIOR TO PAVING OR PRIOR TO THE ADDITION OF ANY IMPROVISED SURFACES. PERMANENT STABILIZATION INCLUDES, BUT IS NOT LIMITED TO: TOPSOIL, SEED, STRAW MULCH AND BINDERS OR EROSION CONTROL BLANKETS ON ALL SEEDED, ALL AGROCHEMICAL REQUIREMENTS AS SPECIFIED ON THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN. INSTALLATION OF THE OUTFALL CONTROL STRUCTURES AND DISCHARGE STORM DRAINAGE PIPING, LOW FLOW CHANNELS, CONDUIT OUTFALL PROTECTION, EMERGENCY SPILLWAYS, AND LAP RING PROTECTION.
- N. THE RIDING SURFACE OF ALL UTILITY TRENCHES WITHIN PAVED AREAS SHALL BE 3/4\"/>

- O. ALL CONSTRUCTION DEWATERING (TRENCHES, EXCAVATION, ETC.) MUST BE DONE THROUGH AN INLET OR OUTFALL FILTER IN ACCORDANCE WITH THE STANDARD FOR TOPSOILING AND SEDIMENT CONTROL. DISCHARGE LOCATIONS FOR THE DEWATERING OPERATION MUST CONTAIN PERENIAL VEGETATION OR SIMILAR STABLE SURFACE.
- P. ALL SWALES OR CHANNELS THAT WILL RECEIVE RUNOFF FROM PAVED SURFACES MUST BE PERMANENTLY STABILIZED PRIOR TO THE INSTALLATION OF PAVEMENT. IF THE SEASON PROHIBITS THE ESTABLISHMENT OF PERMANENT STABILIZATION, THE SWALES OR CHANNELS MAY BE TEMPORARILY STABILIZED IN ACCORDANCE WITH THE STANDARDS.
- Q. NJSA 4:24-39 (f), (g), (h) REQUIRES THAT NO CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED BY THE MUNICIPALITY BEFORE THE PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN SATISFIED. THEREFORE, ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISION MUST BE COMPLETE BEFORE THE DISTRICT ISSUES A REPORT OF COMPLIANCE OR CONDITIONAL REPORT OF COMPLIANCE. THE REPORT MUST BE FORWARDED TO THE MUNICIPALITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY, RESPECTIVELY.

REVISITONS	
No.	Description
1	8-30-26 ADD SURROUNDING OWNERS LIST
No.	Date

GAGE READING
300 PSI OR LESS
AT 6\"/>



DATE

SOIL DE-COMPACTION AND TESTING REQUIREMENTS

SOIL COMPACTION TESTING REQUIREMENTS:

1. SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
2. AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
3. COMPACTION TESTING LOCATIONS ARE DENOED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION MITIGATION VERIFICATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
4. IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE AREA DENOED ON THE PLAN (EXCLUDING EXEMPT AREAS) OR (2) PERFORM ADDITIONAL MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

SOIL COMPACTION TESTING REQUIREMENTS:

- A. PROBING WIRE TEST (SEE DETAIL)
- B. HAND-HELD PENETROMETER TEST (SEE DETAIL)
- C. TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- D. NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE:
ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT, MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL. SOIL COMPACTION TESTING IS NOT REQUIRED IF/WHEN SUBSOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

PROCEDURES FOR SOIL COMPACTION MITIGATION

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER. RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION TILLAGE (6\"/>

THE QUALITY OF PERMANENT VEGETATION RESTS WITH THE CONTRACTOR. THE TIMING OF SEEDING, PREPARING THE SEEDBED, APPLYING NUTRIENTS, MULCH AND OTHER MANAGEMENT ARE ESSENTIAL. THE SEED APPLICATION RATES IN TABLE 4-2 ARE REQUIRED WHEN A REPORT OF COMPLIANCE IS REQUESTED PRIOR TO ACTUAL ESTABLISHMENT OF PERMANENT VEGETATION. IF A REPORT OF COMPLIANCE FROM THE DISTRICT IS NOT REQUIRED WHEN PERMANENT VEGETATION IS ESTABLISHED PRIOR TO REQUESTING A REPORT OF COMPLIANCE, THE SEED APPLICATION RATES MAY BE REDUCED. APPLY TO ALL METHODS OF SEEDING. ESTABLISHING PERMANENT VEGETATION MEANS 80% VEGETATIVE COVER OF THE SEEDED SPECIES, AND MOVED ONE.

NOTE:
THIS DESIGNATION OF MOVED ONE DOES NOT GUARANTEE THE PERMANENCY OF THE TURF SHOULD OTHER MAINTENANCE FACTORS BE SELECTED OR OTHERWISE MISMANAGED.

PERMANENT SEEDING MIXTURES:

70% TURF TYPE TALL FESCUE
20% PERENNIAL RYE GRASS
10% KENTUCKY BLUE GRASS

APPLY AT A RATE OF 200#
PER ACRE

SHEET SE-2

TRENTON ENGINEERING CO., INC.
PROFESSIONAL ENGINEERS, PLANNERS AND LAND SURVEYORS
ESTABLISHED 1907
2193 SPRUCE STREET
TRENTON, N.J. 08638
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FAX. NO. 609-882-6004
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C.M. STRATTON, L.S. N.J.-43395
JOSEPH MESTER
N.J. PROFESSIONAL ENGINEER &
PROFESSIONAL LAND SURVEYOR NO. 19462
03/01/26 Joseph Mester

SOIL EROSION AND SEDIMENT CONTROL PLAN

of
Lots 16-17, Block 406

for
Grzegorz Janusz

in
TOWNSHIP OF LAWRENCE

MERCER CO., NEW JERSEY

TAX MAP DATA	
LOT	BLOCK PAGE
16-17	406 4
DATE	10/20/25
INV.	45067
DRAWN BY:	BDS
SCALE	1"=10'
FB.	PG.
FILE	109-74