

Know what's below

Call Before You Dig!
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA!
CALL 1-800-242-1776
NON MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE
TO UTILITIES BEFORE YOU EXCAVATE, DRILL,

BLAST OR DEMOLISH

C:\PROJ\FCITS\22-452 Dan Andrews SWW\dwm\PR 22-452 dwa 2/25/2023 11:41:49 AM

SCALE: 1" - 20'

					SEAL
2,					
1.	PER PENNONI REVIEW LTR DATED SEPTEMBER 27, 2022		02-23-23	JLK	BDB
NO.	REVISION		DATE	BY	APP.

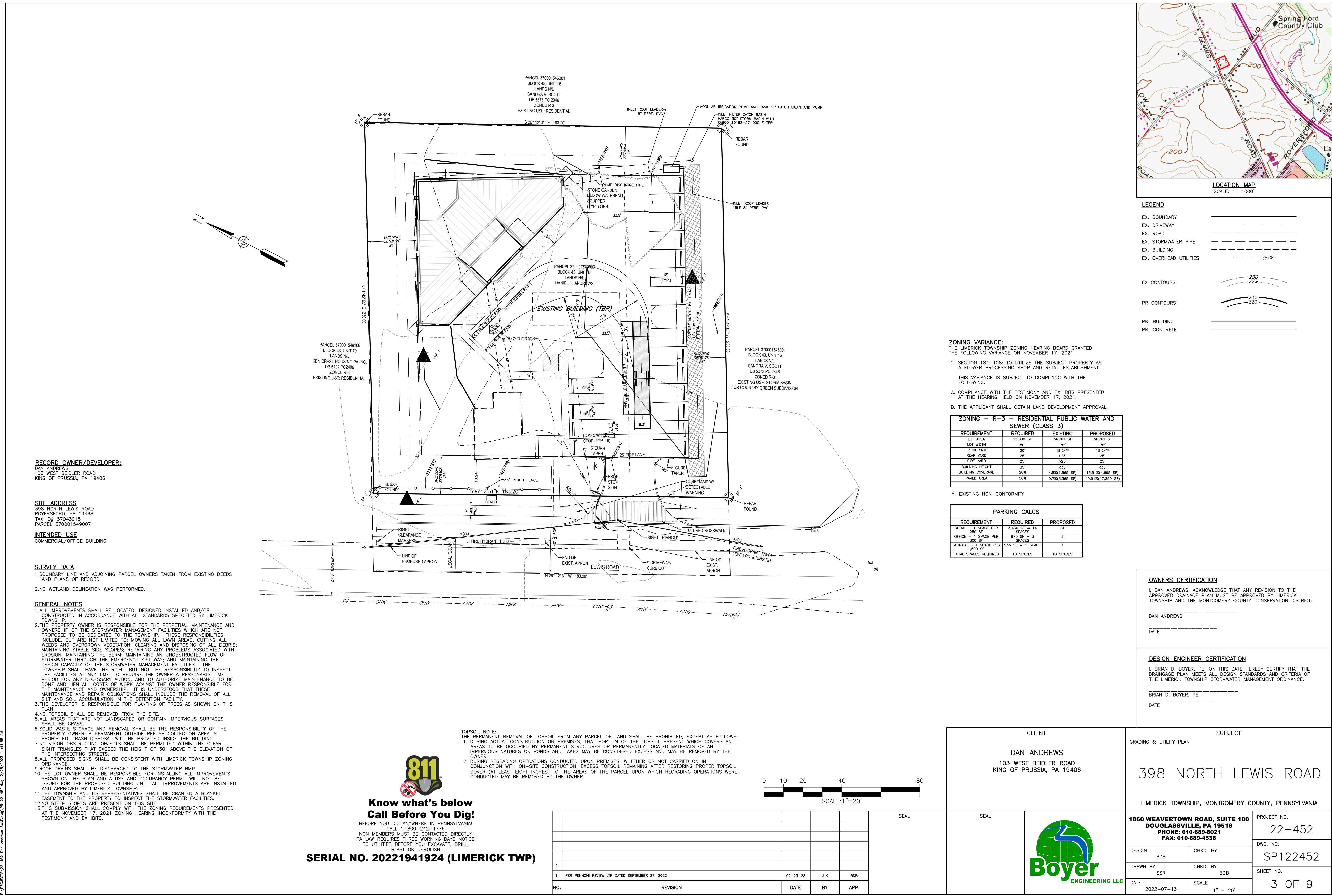
CLIENT
DAN ANDREWS
103 WEST BEIDLER ROAD
KING OF PRUSSIA, PA 19406

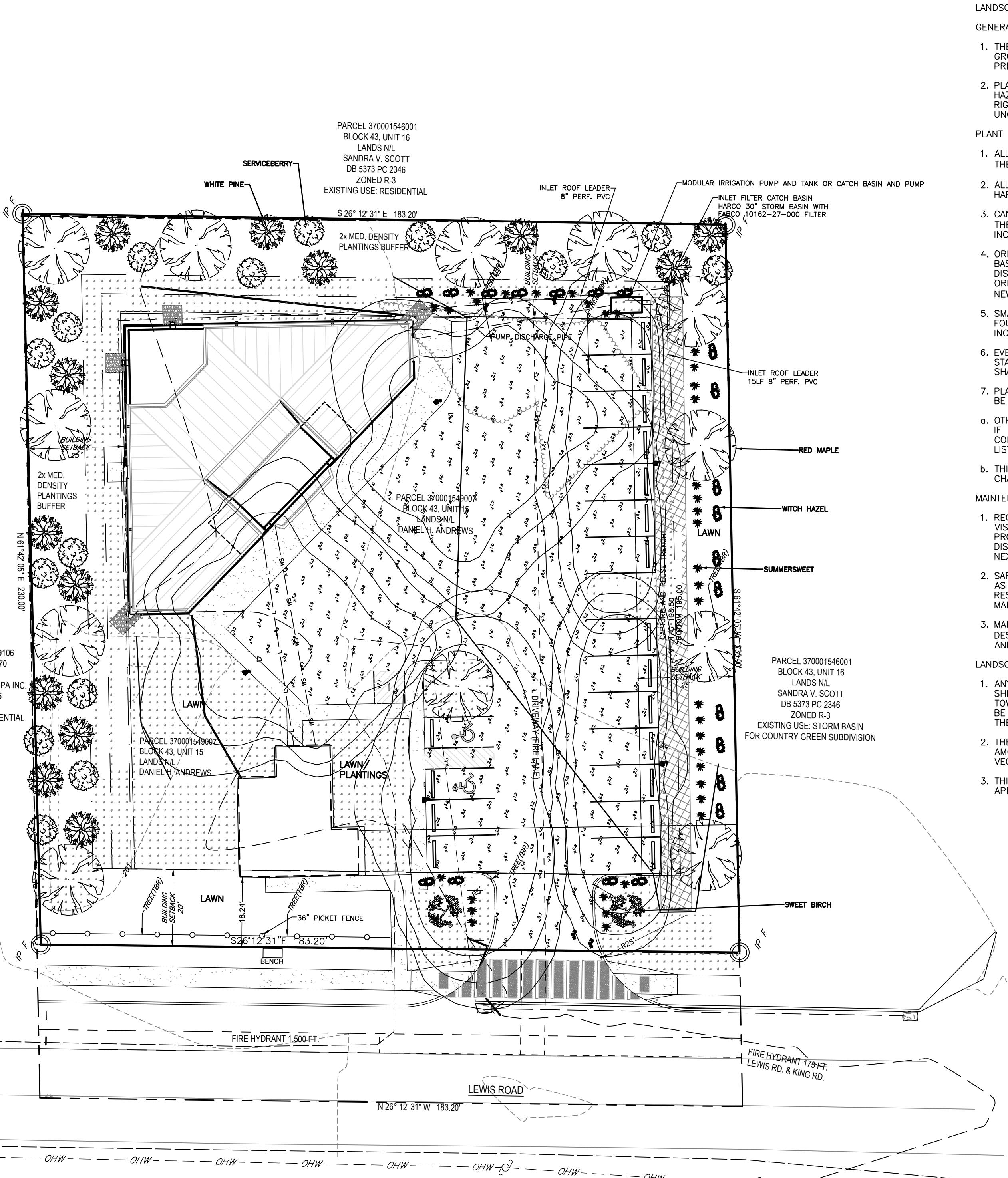
SUBJECT
STING FEATURES/ERSAM PLAN

398 NORTH LEWIS ROAD

LIMERICK TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

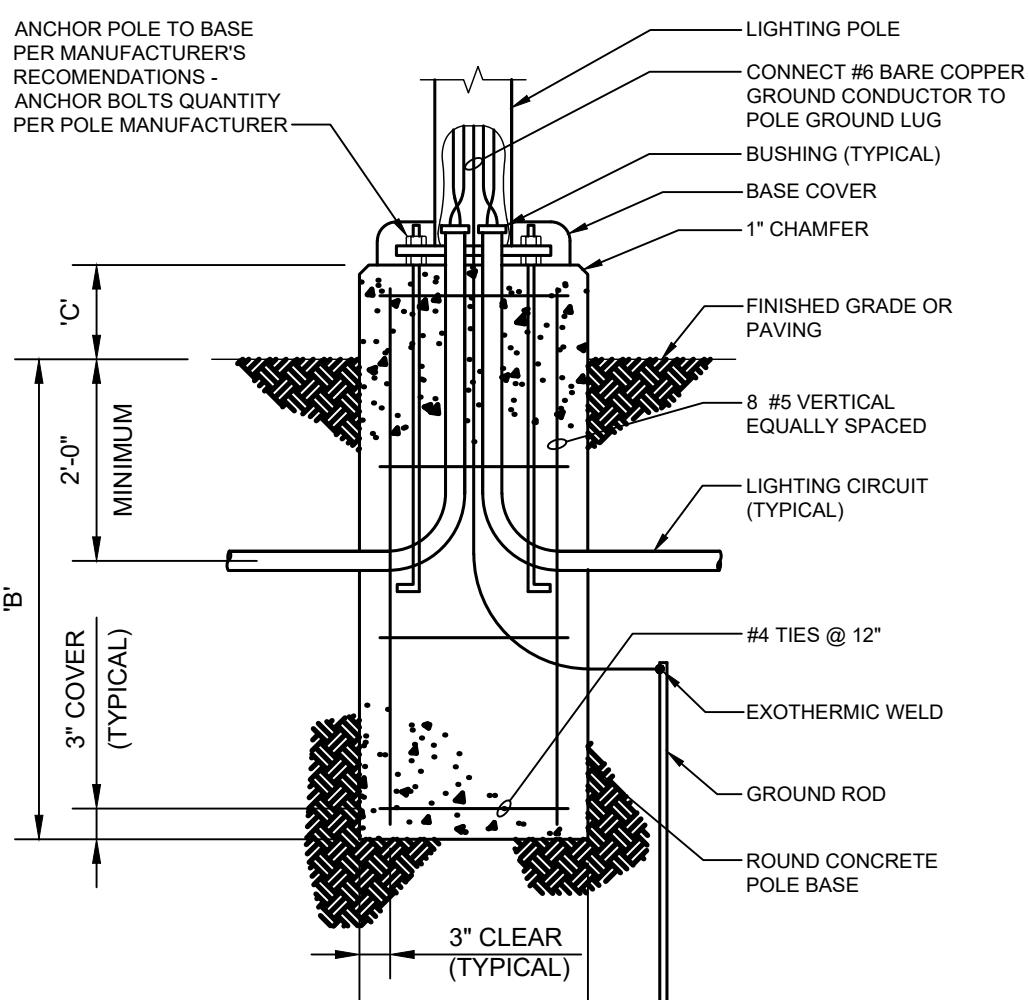
60 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538		PROJECT NO. 22-452
		DWG. NO. SP122452
SIGN BDB	CHKD. BY	SHEET NO. 2 OF 9
AWN BY SSR	CHKD. BY BDB	
TE 2022-07-13	SCALE 1" = 20'	





Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Driveway & Parking	+	1.7 fc	4.9 fc	0.3 fc	16.3:1	5.7:1
Property Line East	+	0.1 fc	0.3 fc	0.0 fc	N/A	N/A
Property Line North	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Property Line South	+	0.1 fc	0.2 fc	0.0 fc	N/A	N/A

Schedule											
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Number Lamps	Lumens Per Lamp	Light Loss Factor	Description	Wattage	Plot
	A		2	BEACON PRODUCTS	VP-1-160L-50-4K7-3-BC1	4313	0.95	Viper 2.0		50.5	
	B		1	WHITEWAY LIGHTING	VP-1-160L-50-4K7-3	1	7323	0.95		50.5	
	C		2	BEACON PRODUCTS	VP-1-160L-50-4K-4F	1	6598	0.95		50.5	



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BLAST OR DEMOLISH

卷之三

LANDSCAPE REQUIREMENTS

GENERAL REQUIREMENTS.

GENERAL REQUIREMENTS

1. THE LOCATION, DIMENSIONS AND SPACING OF REQUIRED PLANTINGS SHOULD BE ADEQUATE FOR THEIR PROPER GROWTH AND MAINTENANCE, TAKING INTO ACCOUNT THE SIZES OF SUCH PLANTINGS AT Maturity AND THEIR PRESENT AND FUTURE ENVIRONMENTAL REQUIREMENTS, SUCH AS WIND, SOIL, MOISTURE AND SUNLIGHT.
 2. PLANTINGS SHOULD BE SELECTED AND LOCATED WHERE THEY WILL NOT CONTRIBUTE TO CONDITIONS HAZARDOUS TO PUBLIC SAFETY. SUCH LOCATIONS INCLUDE BUT ARE NOT LIMITED TO PUBLIC STREET RIGHTS-OF-WAY, UNDERGROUND AND ABOVEGROUND UTILITIES AND SIGHT TRIANGLE AREAS REQUIRED FOR UNOBSTRUCTED VIEWS AT STREET INTERSECTIONS.

PLANT SPECIFICATIONS.

 1. ALL PLANTS SHALL MEET THE MINIMUM STANDARDS FOR HEALTH, FORM AND ROOT CONDITION AS OUTLINED IN THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) STANDARDS.
 2. ALL PLANT MATERIAL SHALL BE HARDY WITHIN THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) HARDINESS ZONE 6, APPLICABLE TO LIMERICK TOWNSHIP.
 3. CANOPY TREES SHALL REACH A MINIMUM HEIGHT AND SPREAD OF 30 FEET AT Maturity AS DETERMINED BY THE AAN STANDARDS AND SHALL BE DECIDUOUS. NEW TREES SHALL HAVE A MINIMUM CALIPER OF 2 1/2 INCHES AT PLANTING.
 4. ORNAMENTAL TREES OR LARGE SHRUBS SHALL REACH A TYPICAL MINIMUM HEIGHT OF 10 FEET AT Maturity BASED ON AAN STANDARDS. TREES AND SHRUBS MAY BE DECIDUOUS OR EVERGREEN AND SHALL HAVE A DISTINCTIVE ORNAMENTAL CHARACTER SUCH AS SHOWY FLOWERS, FRUIT, HABIT, FOLIAGE OR BARK. NEW ORNAMENTAL TREES SHALL HAVE A MINIMUM HEIGHT OF SIX FEET OR A ONE-AND-ONE-HALF-INCH CALIPER. NEW LARGE SHRUBS SHALL HAVE A MINIMUM SIZE OF 2 1/2 TO THREE FEET AT TIME OF PLANTING.
 5. SMALL SHRUBS MAY BE EVERGREEN OR DECIDUOUS AND SHALL HAVE A MINIMUM HEIGHT AT Maturity OF FOUR FEET BASED ON AAN STANDARDS FOR THAT SPECIES. NEW SHRUBS SHALL HAVE A MINIMUM SIZE OF 18 INCHES AT TIME OF PLANTING.
 6. EVERGREEN TREES SHALL REACH A TYPICAL MINIMUM HEIGHT OF 20 FEET AT Maturity BASED ON AAN STANDARDS FOR THAT SPECIES AND SHALL REMAIN EVERGREEN THROUGHOUT THE YEAR. NEW EVERGREENS SHALL HAVE A MINIMUM HEIGHT AT PLANTING OF SIX FEET.

7. PLA

- BE PERMITTED TO BE USED TO MEET THE REQUIREMENTS OF THIS CHAPTER.

 - a. OTHER PLANT SPECIES MAY BE PERMITTED BY THE TOWNSHIP TO BE USED TO MEET TOWNSHIP REQUIREMENTS IF THE APPLICANT PROVIDES WRITTEN INFORMATION THAT DESCRIBES THE SUITABILITY OF SUCH SPECIES, CONSIDERING LOCAL CONDITIONS. THE APPLICANT SHALL NOTE IN WRITING WHICH PROPOSED SPECIES ARE NOT LISTED IN THE LIST OF RECOMMENDED PLANT SPECIES.
 - b. THIS CHAPTER DOES NOT REGULATE PLANT SPECIES FOR LANDSCAPING THAT IS NOT REQUIRED BY THIS CHAPTER AND WHICH IS NOT WITHIN THE PUBLIC RIGHT-OF-WAY.

CHARTER

- MAINTENANCE.

 1. REQUIRED PLANT MATERIAL SHALL BE MAINTAINED FOR THE LIFE OF THE PROJECT TO ACHIEVE THE REQUIRED VISUAL EFFECT OF THE BUFFER OR SCREEN. IT SHALL BE THE ULTIMATE RESPONSIBILITY OF SUCCESSIVE PROPERTY OWNERS TO ENSURE THAT THE REQUIRED PLANTINGS ARE PROPERLY MAINTAINED. DEAD OR DISEASED PLANT MATERIAL SHALL BE REMOVED PROMPTLY BY THE PROPERTY OWNER AND REPLACED AT THE NEXT GROWING SEASON.

2. SAF

2. SAFETY CRITERIA INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: PLANT MATERIAL UNSTABLE, CRUMBLING, OR FALLING, AND INVESTIGATION OF PLANT MATERIAL FOR POSSIBLE DANGERS, SUCH AS MATERIAL UNSTABLE, LIMBS SHALL BE REMOVED AND THE PLANT MATERIAL REPLACED. IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO ENSURE ALL PLANTINGS AND ARCHITECTURAL ELEMENTS ARE MAINTAINED TO PROVIDE A SAFE ENVIRONMENT.
 3. MAINTENANCE GUIDELINES FOR THE PLANTINGS ARE ENCOURAGED TO BE PUBLISHED BY THE PLANTING PLAN DESIGNER, TO BE USED BY GROUNDS MAINTENANCE PERSONNEL TO ENSURE THE DESIGN'S VISUAL BUFFERING AND SCREENING CONCERNS ARE CONTINUED.

ANI

- Landscape Bond.**

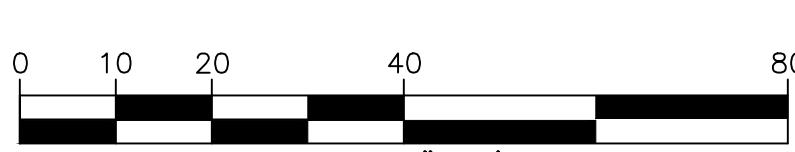
 1. ANY TREE OR SHRUB WHICH DIES WITHIN 18 MONTHS OF PLANTING SHALL BE REPLACED. ANY TREE OR SHRUB WHICH, WITHIN 18 MONTHS OF PLANTING OR REPLANTING, IS DEEMED, IN THE OPINION OF THE TOWNSHIP, NOT TO HAVE SURVIVED OR TO HAVE GROWN IN A MANNER UNCHARACTERISTIC OF ITS TYPE SHALL BE REPLACED. SUBSTITUTIONS FOR CERTAIN SPECIES OF PLANTS MAY BE MADE ONLY WHEN APPROVED BY THE TOWNSHIP.
 2. THE DEVELOPER OR LANDOWNER SHALL DEPOSIT WITH THE TOWNSHIP A SUM OF MONEY EQUAL TO THE AMOUNT NECESSARY TO COVER THE COST OF PURCHASING, PLANTING, MAINTAINING AND REPLACING ALL VEGETATIVE MATERIALS FOR A PERIOD OF 18 MONTHS.
 3. THIS CONDITION MAY BE SATISFIED THROUGH A LAND DEVELOPMENT AGREEMENT WITH SUFFICIENT AND APPROPRIATE FINANCIAL GUARANTEES.

LANDSCAPING SCHEDULE				
SYMBOL	NAME	QUANTITY	NATIVE	SIZE
	RED MAPLE, ACER RUBRUM	12	Y	2.5" CAL.
	SWEET BIRCH, BETULA LENTA	2	Y	2.5" CAL.
	WHITE PINE, PINUS STROBOS	14	Y	6"
	SERVICEBERRY, AMELANCHLER ARBOREA	14	Y	18"
	SUMMERSWEET, CLETHRA ALNIFOLIA	33	Y	18"
	WITCH HAZEL, HAMAMELIS VIRGINIANA	21	Y	18"

OWNERS CERTIFICATION

SOILS TABLE	
SYMBOL	NAME/DESC
CrA	CROTON SILT LOAM, 0-3% SLOPES
RaA	RARITAN SILT LOAM, 0-3% SLOPES

TOPSOIL NOTE:
THE PERMANENT REMOVAL OF TOPSOIL FROM ANY PARCEL OF LAND SHALL BE PROHIBITED, EXCEPT AS FOLLOWS:
1. DURING ACTUAL CONSTRUCTION ON PREMISES, THAT PORTION OF THE TOPSOIL PRESENT WHICH COVERS AN
AREAS TO BE OCCUPIED BY PERMANENT STRUCTURES OR PERMANENTLY LOCATED MATERIALS OF AN
IMPERVIOUS NATURES OR PONDS AND LAKES MAY BE CONSIDERED EXCESS AND MAY BE REMOVED BY THE
OWNER.
2. DURING REGRADING OPERATIONS CONDUCTED UPON PREMISES, WHETHER OR NOT CARRIED ON IN
CONJUNCTION WITH ON-SITE CONSTRUCTION, EXCESS TOPSOIL REMAINING AFTER RESTORING PROPER TOPSOIL
COVER (AT LEAST EIGHT INCHES) TO THE AREAS OF THE PARCEL UPON WHICH REGRADING OPERATIONS WERE
CONDUCTED MAY BE REMOVED BY THE OWNER.



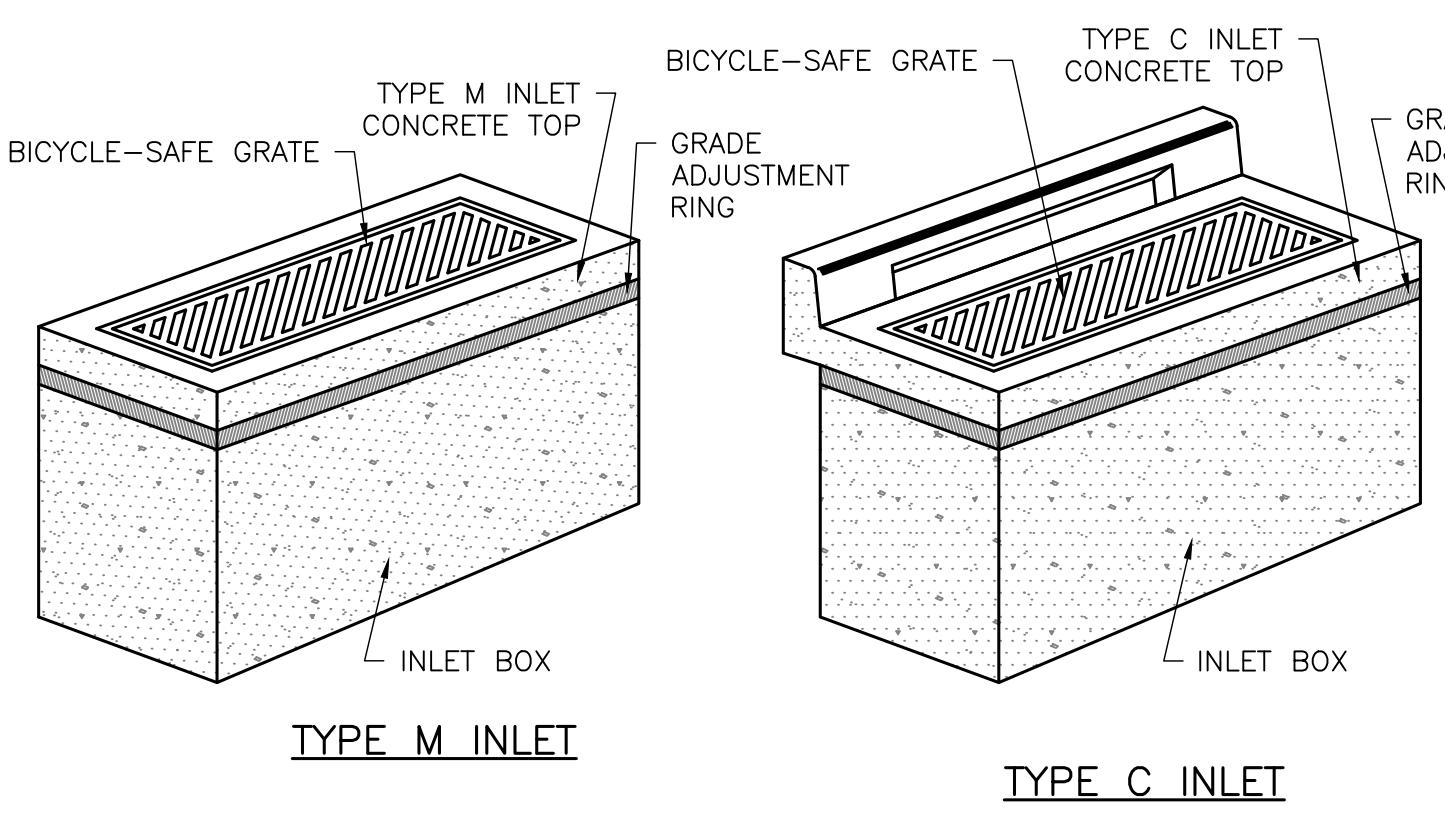
CLIENT
DAN ANDREWS
3 WEST BEIDLER ROAD
OF PRUSSIA, PA 19406

SUBJECT
TING AND LANDSCAPING PLAN

398 NORTH LEWIS ROAD

LIMERICK TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

0 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538		PROJECT NO. 22-452
IGN BDB	CHKD. BY	DWG. NO. SP122452
WN BY SSR	CHKD. BY BDB	SHEET NO. 4 OF 9
E 2022-07-13	SCALE 1" = 20'	

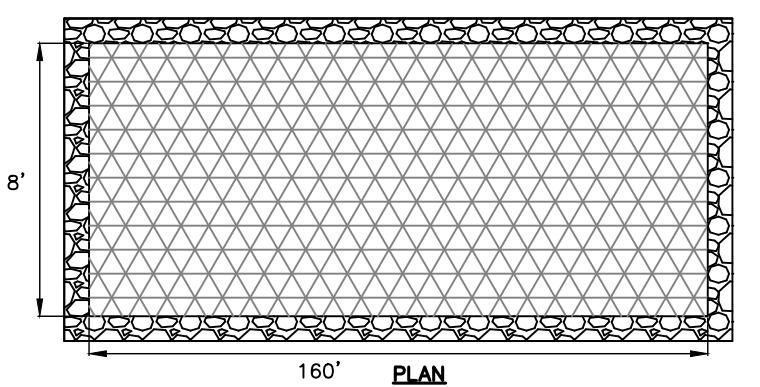


TYPE M INLET

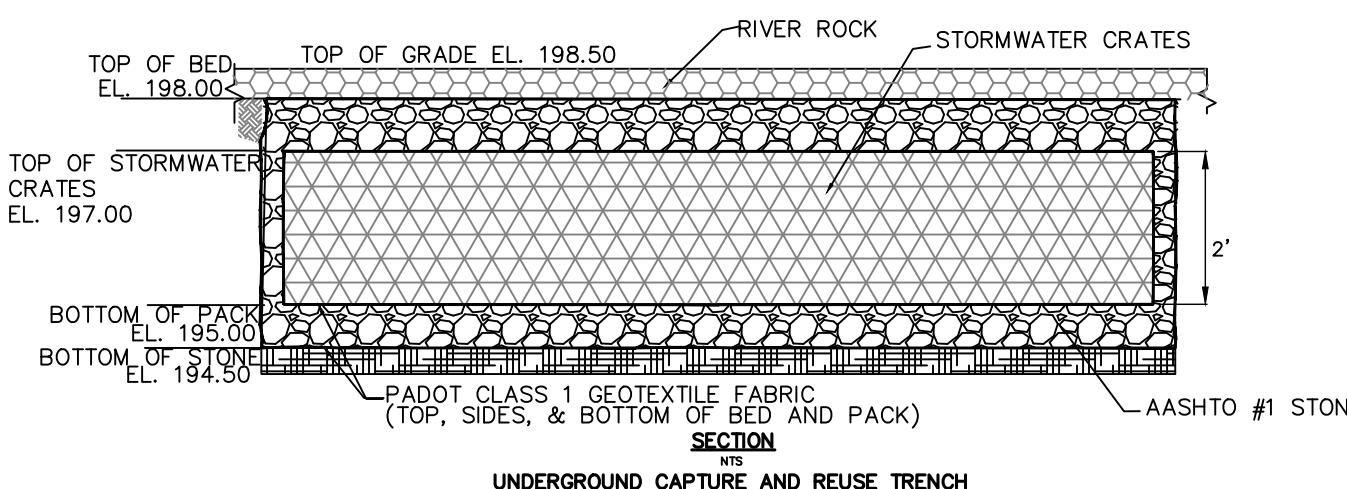
*ALL INLETS SHALL HAVE A MARKER PRESENT
TO DISCOURAGE NON-STORMWATER DUMPING



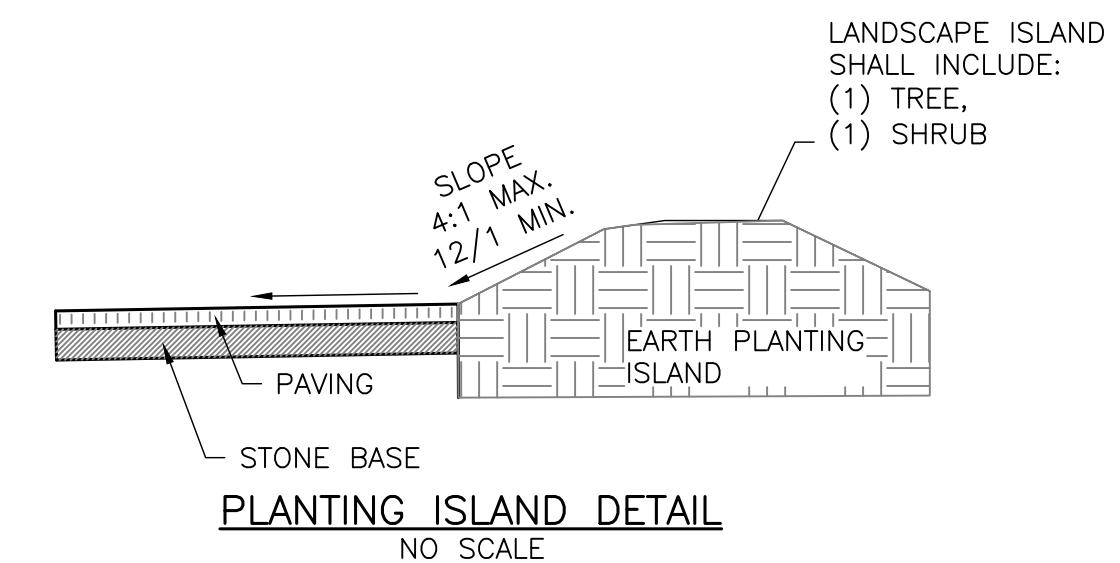
TYPE C INLET



160'



SECTION
NTS
UNDERGROUND CAPTURE AND REUSE TRENCH



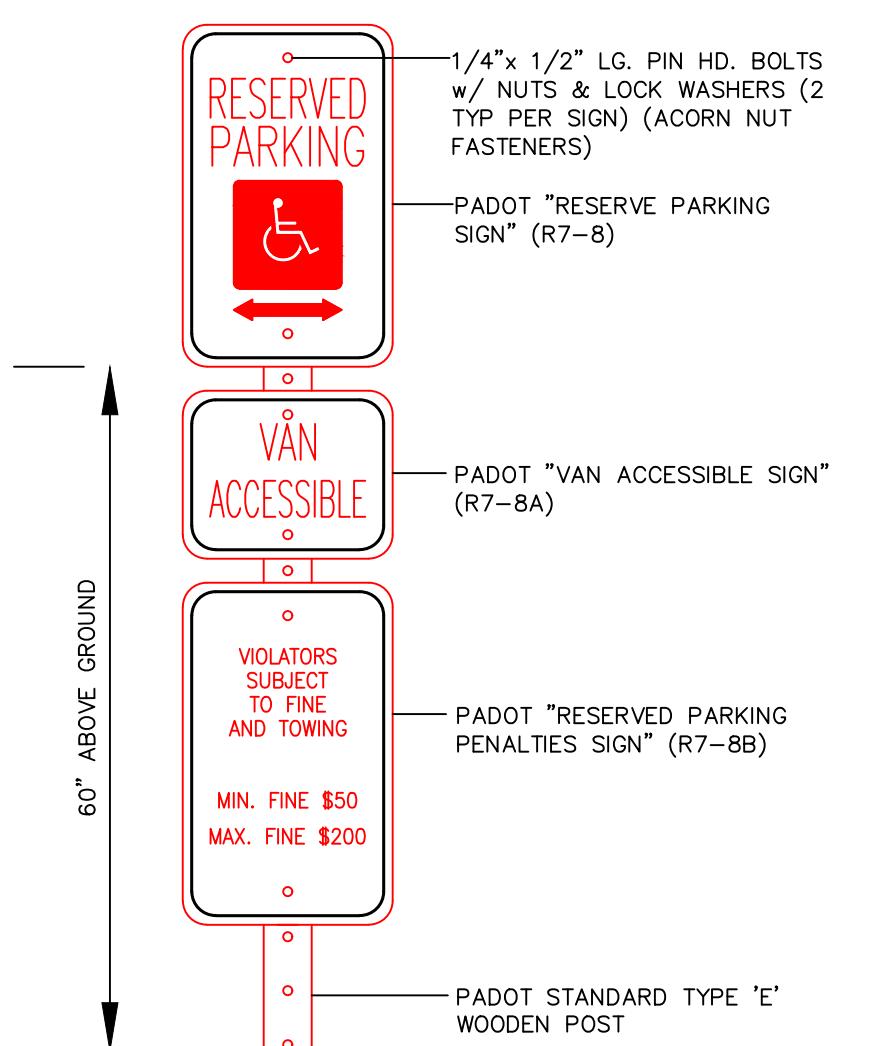
PLANTING ISLAND DETAIL
NO SCALE

CONSTRUCTION NOTES:

1. PLANTING ISLAND SHALL BE A MINIMUM OF 9 BY 18 FT IN AREA.
 2. TOPSOIL SHALL BE FROM ONSITE MATERIALS.
 3. GROUND COVER SHALL BE INSTALLED, BARE SOIL MUST BE PROTECTED.

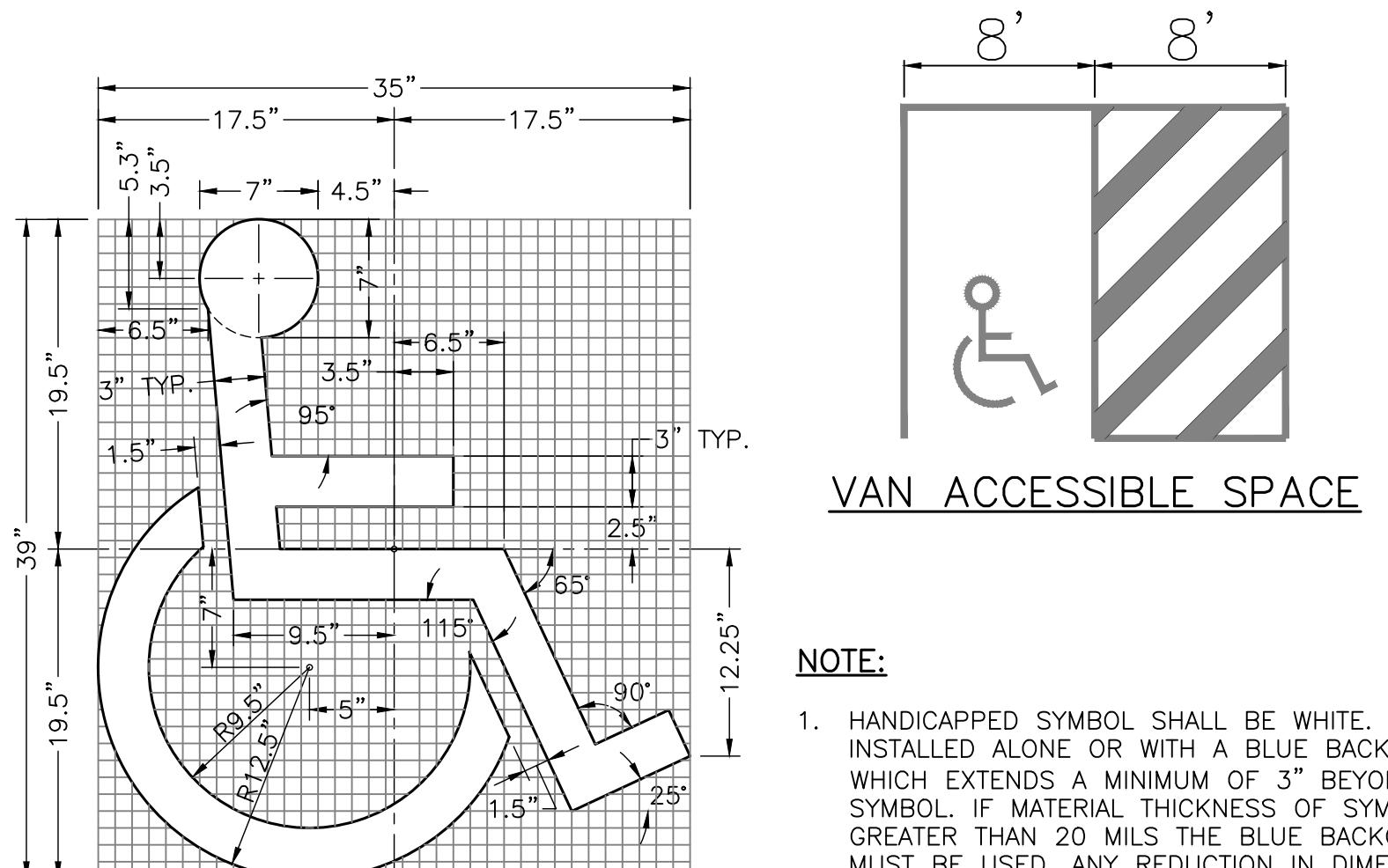
LANDSCAPE NOTES

1. Plant material shall be of nursery stock, balled and burlapped. It shall be of symmetrical growth, free of insects, pests and disease, and durable under the maintenance contemplated.
 2. All planting materials shall meet the minimum standards of the American Association of Nurserymen.
 3. Trees shall not planted within 6' of any storm, sanitary, or water lines.
 4. Trees and other required plant material shall not be planted until the finished grading of the land development has been completed.
 5. Additional foundation or site landscaping may be added at the Owner's option.

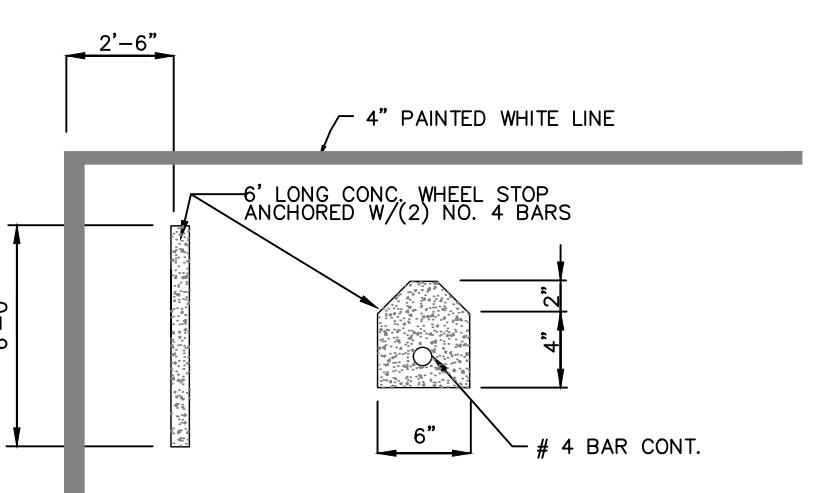


RESERVED PARKING SPACE
w/ PENALTIES & VAN ACCESSIBLE SIGNS

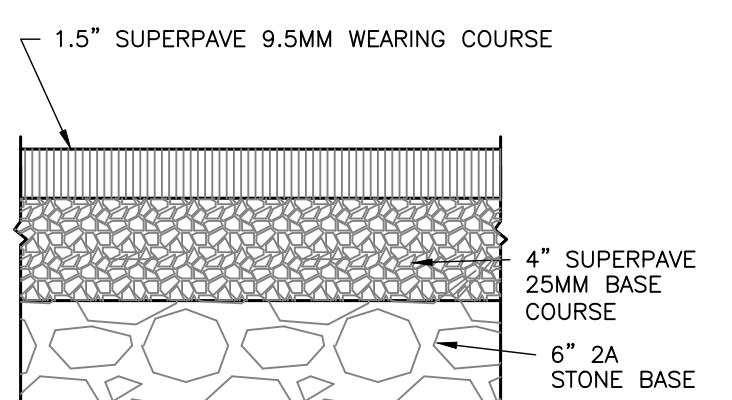
N.T.S



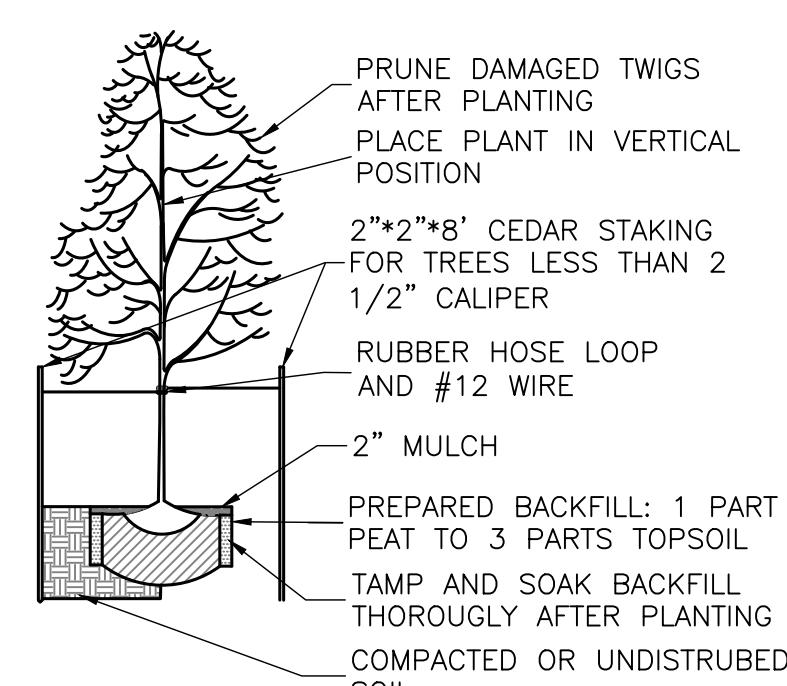
HANDICAPPED PAVEMENT MARKING



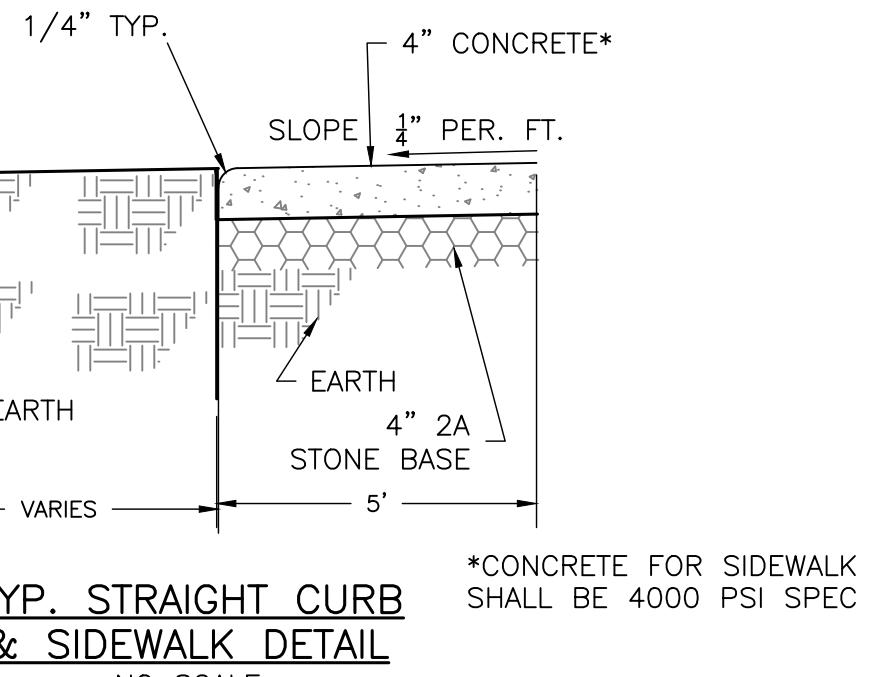
NOTE:
SEE SITE PLAN FOR PARKING SPACE SIZE AND
FOR WHEEL STOP LOCATIONS. PAINT WHEEL
STOPS OSHA YELLOW WHEN PLACED ON CONC.



NOTE: ALL PAVED SURFACES AROUND MAIN BUILDING
INCLUDING PARKING LOT AND ACCESS DRIVES.



DECIDUOUS TREE PLANTING DETAIL



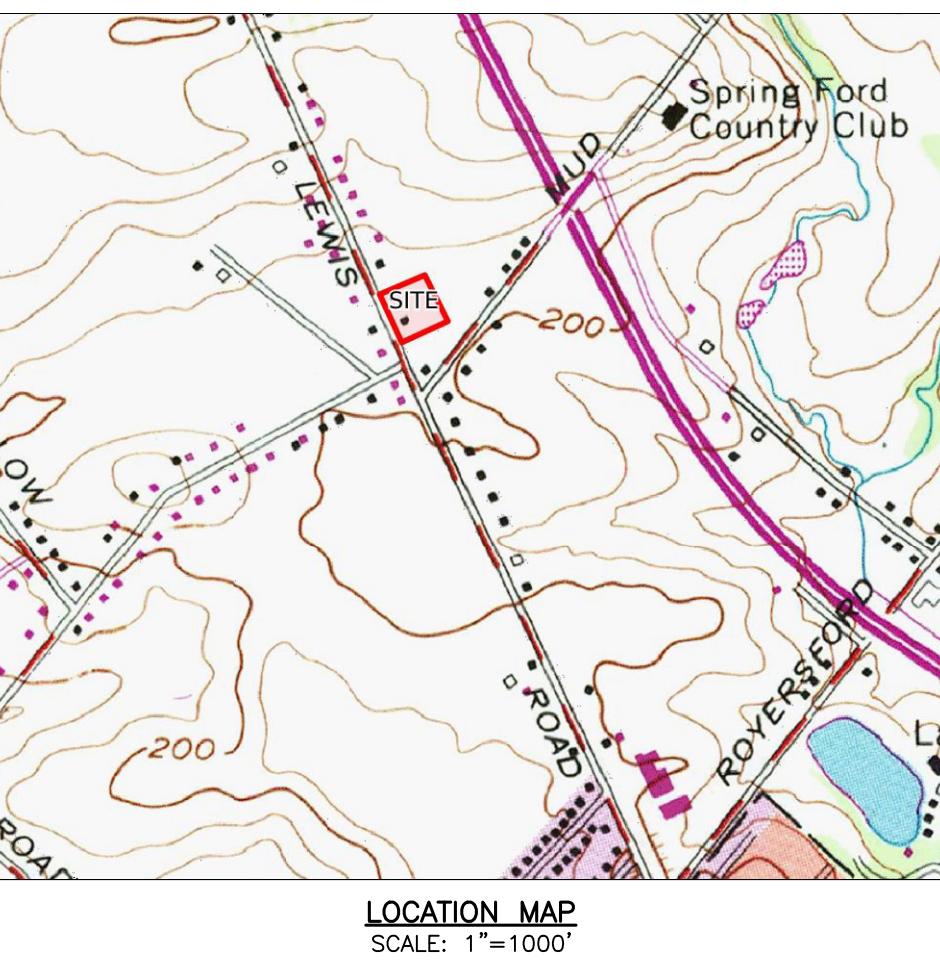
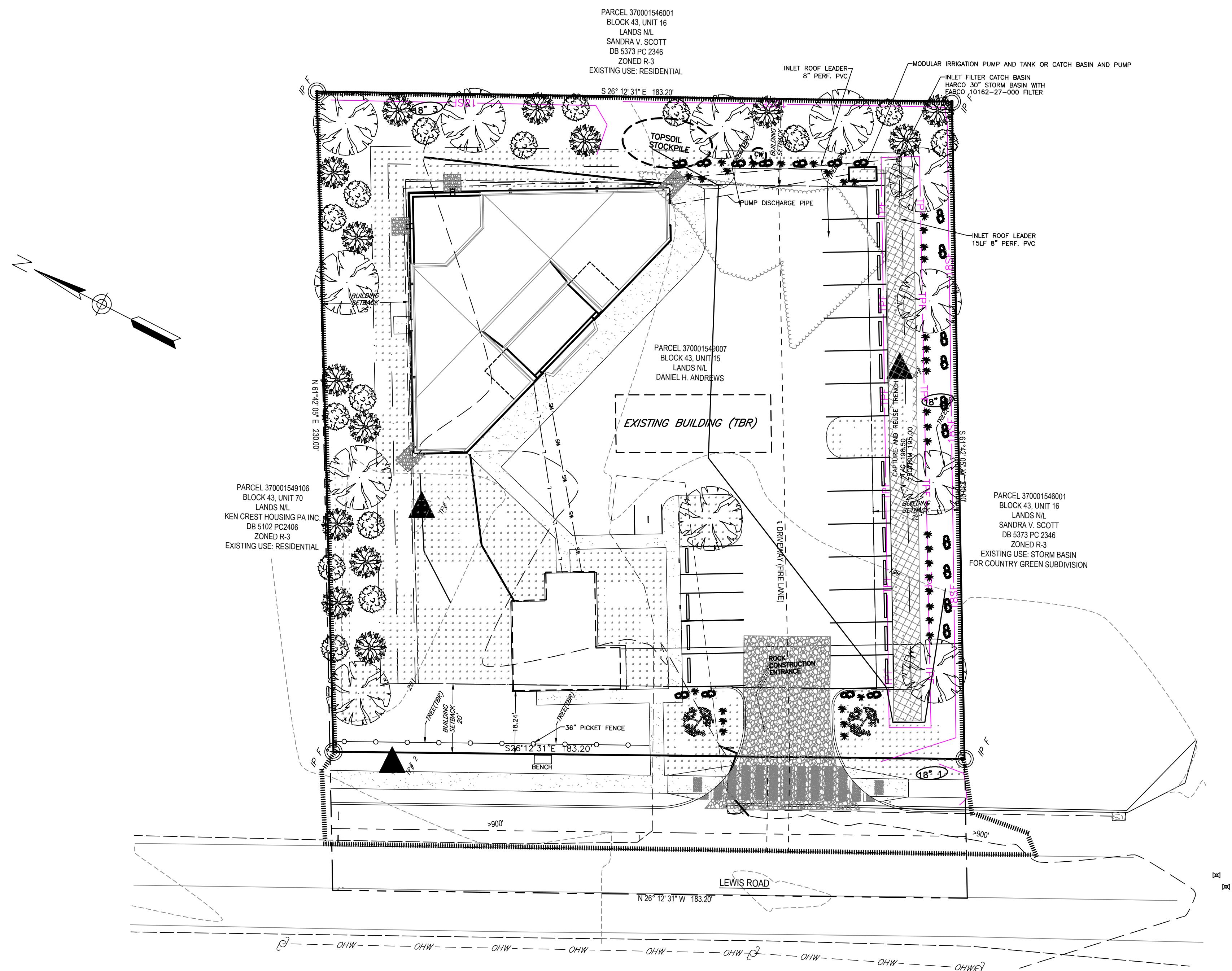
& SIDEWALK DETAIL

NO SCALE

TOPSOIL NOTES:
THE PERMANENT REMOVAL OF TOPSOIL FROM ANY PARCEL OF LAND SHALL BE PROHIBITED, EXCEPT AS FOLLOWS:

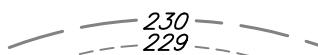
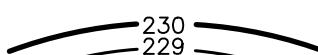
1. DURING ACTUAL CONSTRUCTION ON PREMISES, THAT PORTION OF THE TOPSOIL PRESENT WHICH COVERS AN AREAS TO BE OCCUPIED BY PERMANENT STRUCTURES OR PERMANENTLY LOCATED MATERIALS OF AN IMPERVIOUS NATURES OR PONDS AND LAKES MAY BE CONSIDERED EXCESS AND MAY BE REMOVED BY THE OWNER.
2. DURING REGRADING OPERATIONS CONDUCTED UPON PREMISES, WHETHER OR NOT CARRIED ON IN CONJUNCTION WITH ON-SITE CONSTRUCTION, EXCESS TOPSOIL REMAINING AFTER RESTORING PROPER TOPSOIL COVER (AT LEAST EIGHT INCHES) TO THE AREAS OF THE PARCEL UPON WHICH REGRADING OPERATIONS WERE CONDUCTED MAY BE REMOVED BY THE OWNER.
3. NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL. TOPSOIL MUST BE REMOVED FROM THE AREAS OF CONSTRUCTION AND STORED SEPARATELY. UPON COMPLETION OF CONSTRUCTION, THE TOPSOIL MUST BE UNIFORMLY REDISTRIBUTED ON THE SITE. ALL AREAS OF THE SITE SHALL BE STABILIZED BY SEEDING OR PLANTING ON THE SLOPES OF LESS THAN 7% AND SHALL BE STABILIZED BY SODDING ON SLOPES OF 7% OR MORE AND PLANTED IN GROUND COVER ON SLOPES OF 20%, PROVIDED THAT RIPRAP SHALL BE UTILIZED FOR BANK EXCEEDING 25%.

					SEAL	SEAL		1860 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538	PROJECT NO. 22-452
									DWG. NO. SP1224-52
2.									SHEET NO. 5 OF 9
1.	PER PENNONI REVIEW LTR DATED SEPTEMBER 27, 2022	02-23-23	JLK	BDB					
NO.	REVISION	DATE	BY	APP.					



LOCATION MAP

LEGEND

• BOUNDARY	<hr/>
• DRIVEWAY	<hr/>
• ROAD	<hr/>
• STORMWATER PIPE	<hr/>
• BUILDING	<hr/>
• OVERHEAD UTILITIES	<hr/> <i>OHW</i>
CONTOURS	
CONTOURS	
• BUILDING	<hr/>
• CONCRETE	<hr/>
PSOIL STOCKPILE	
BIT OF DISTURBANCE	
CONCRETE WASHOUT	
LT FENCE	<hr/> <i>18SF</i>
CK CONSTRUCTION ENTRANCE	
NCE	<hr/> <i>TPF</i>

CLIENT
DAN ANDREWS
103 WEST BEIDLER ROAD
KING OF PRUSSIA, PA 19406

SUBJECT

LIMERICK TOWNSHIP MONTGOMERY COUNTY PENNSYLVANIA

EVAPORATION AND SEDIMENTATION IN 308 NORTH LEWIS ROAD

LIMERICK TOWNSHIP MONTGOMERY COUNTY PENNSYLVANIA

**60 WEAVERTOWN ROAD, SUITE 100
DOUGLASSVILLE, PA 19518** PROJECT NO. **22-152**

PHONE: 610-689-8021
FAX: 610-689-4538

SIGN	CHKD. BY	DWG. NO.
		EC 100450

BDB		EST122452
WN BY SSR	CHKD. BY BDB	SHEET NO.

E 2022-07-13 SCALE 1" = 30' 6 OF 9

2022-07-15 | Page 20

A horizontal number line with tick marks at 0, 10, 20, 40, and 80. The segments between 0-10, 20-40, and 40-80 are shaded black, while the segments 10-20 and 40-80 are white.



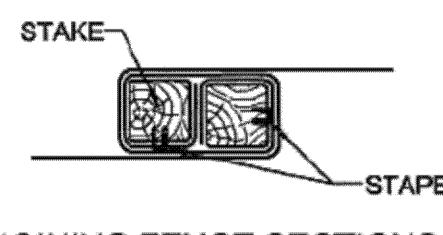
2,	
1.	PER PENNONI REVIEW LTR DATED SEPTEMBER 27, 2022
NO.	REVISION

STANDARD WORKSHEET #3
Standard Silt Fence

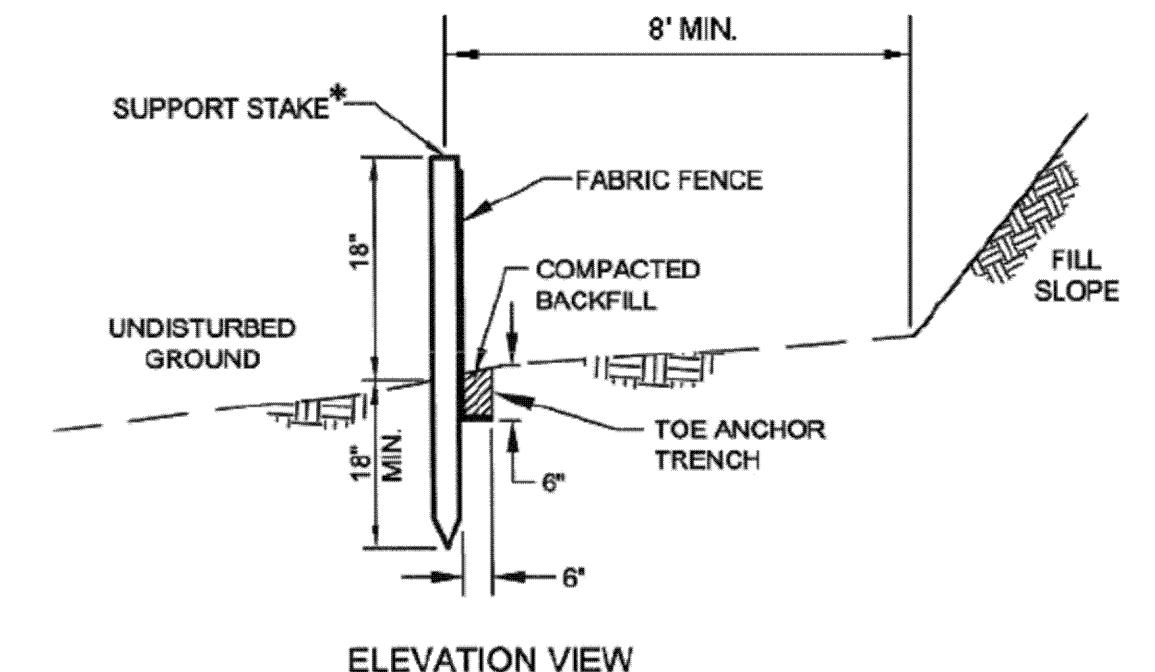
PROJECT NAME: 398 North Lewis Road
LOCATION: Limerick Township, Montgomery County
PREPARED BY: SNC
CHECKED BY: SSR
DATE: 8/5/2022

PROJECT NAME: 398 North Lewis Road
LOCATION: Limerick Township, Montgomery County
PREPARED BY: SNC
CHECKED BY: SSR
DATE: 8/5/2022

*STAKES SPACED @ 8' MAX.
USE 2" x 2" (± 3/8") WOOD
OR EQUIVALENT STEEL
(U OR T) STAKES

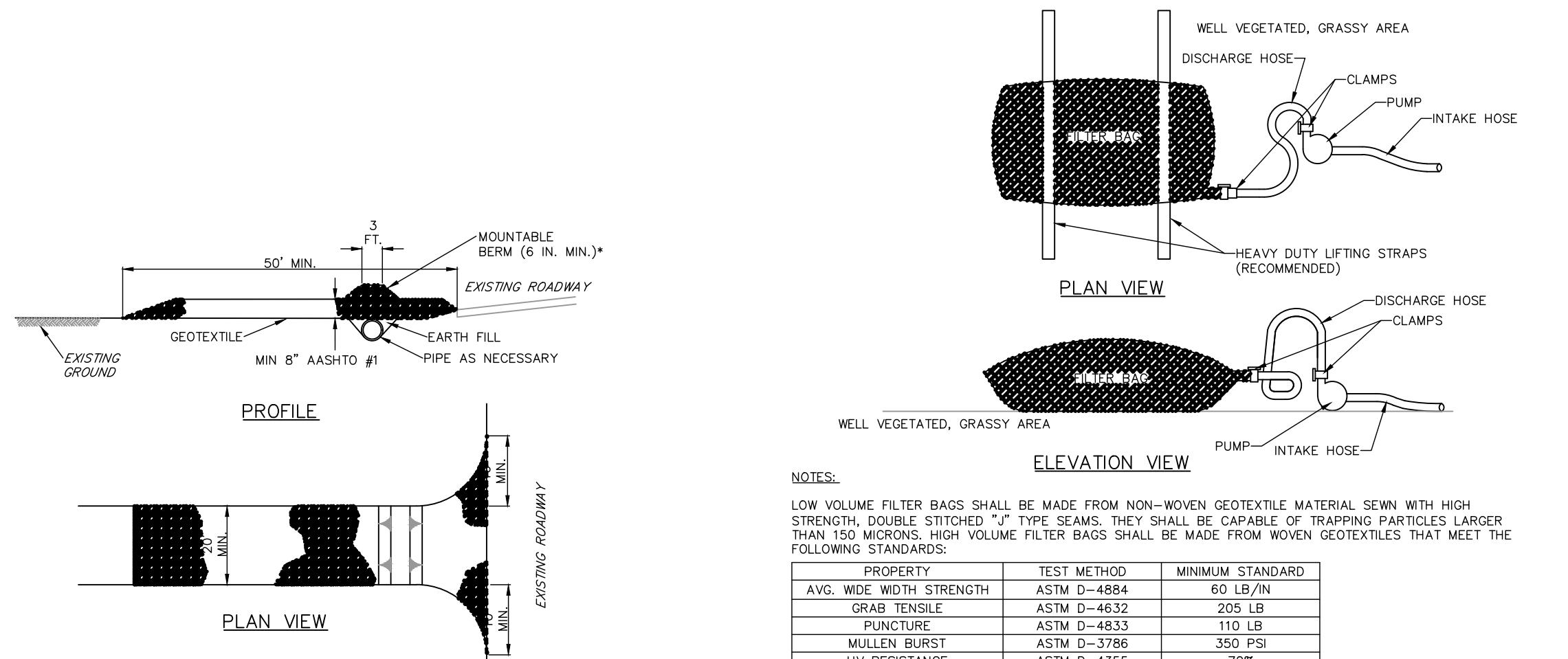


JOINING FENCE SECTIONS



ELEVATION VIEW

FENCE NO.	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)
1	South of the Proposed Building	1%	250
2	Southeast of the Proposed Building	1%	250
3	Northeast of the Proposed Building	1%	250



NOTES:
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "T" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4832	10 LB
TEAR	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	8% SIEVE

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. WHEN THEY ARE FULL OR ARE FILLED, BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STERILE GRAVEL. DISCHARGE CAPACITY BAGS SHALL NOT BE PLACED ON SLOPES EXCEEDING 15% STEEPNESS. OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HO OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

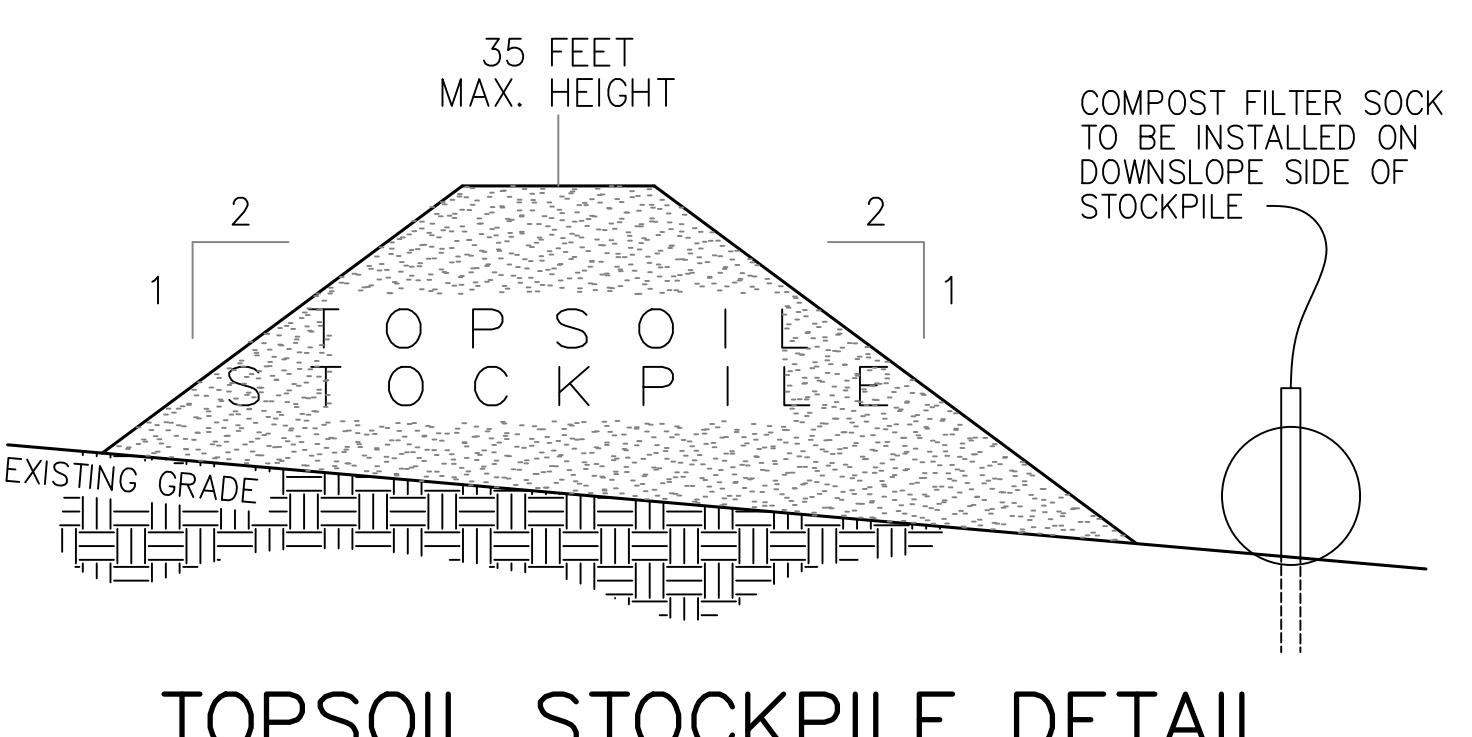
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

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.

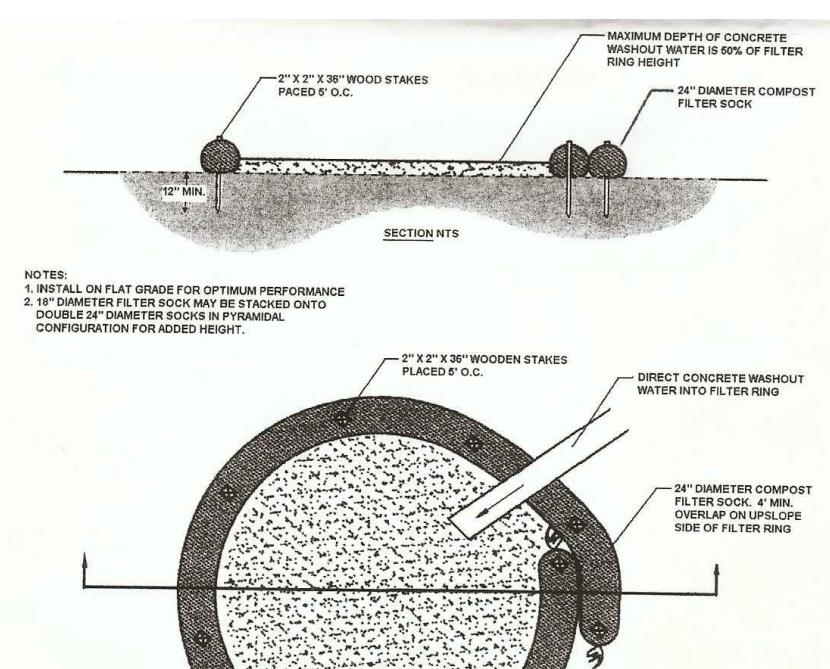
STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG

NOT TO SCALE



TOPSOIL STOCKPILE DETAIL

N.T.S.



A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.
Adapted from Filtrate.

363-2134-008 / March 31, 2012 / Page 58

CONCRETE WASHOUT

1.	PER PENNONI REVIEW LTR DATED SEPTEMBER 27, 2022	02-23-23	JLK	BDB	SEAL	SEAL	
2.							
3.							
NO.	REVISION	DATE	BY	APP.			

1860 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538	PROJECT NO. 22-452
DESIGN BDB	CHKD. BY
DRAWN BY SSR	CHKD. BY BDB
DATE 2022-07-13	SCALE 1" = 20'
SHEET NO. 7 OF 9	

Construction Sequence Notes

1. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed in compliance with Chapter 102 regulations before any following stage is initiated. Clearing and grubbing shall be limited only to those areas described in each stage.
 - Stabilize the entire outside of the berm and on the inside of the berm with topsoil.
 - Immediately apply the permanent seeding and mulch for the entire area. A slope protection blanket shall be installed where shown on the plan and all slopes greater than 3:1.
 - Amended topsoil per the procedure outlined on the plans shall be installed on the inside of Rain Gardens, permanently seeded and mulched. A slope protection blanket shall be installed where shown on the plan and all slopes greater than 3:1.
2. All earth disturbances, including clearing and grubbing as well as cuts and fills, be done in accordance with the approved E&S plan. A copy of the approved drawings (stamped, signed, and dated by the Montgomery County Conservation District) must be available at the project site at all times. The Montgomery County Conservation District shall be notified of any changes to the approved plan prior to implementation of those changes. The Montgomery County Conservation District may require a written submittal of those changes for review.
3. Each stage shall be completed in compliance with Chapter 102 regulations before any following stage is initiated. Clearing and grubbing shall be limited only to those areas described in each stage.
4. At least seven (7) days before starting any earth disturbance activities, the O/RP shall invite all contractors involved in that activity, the landowner, all appropriate municipal officials, the erosion and sediment control plan designer and the Montgomery County Conservation District to a pre-construction meeting.
5. At least three (3) days before starting any earth disturbance activity, all O/RPs involved in that activity shall notify the Pennsylvania One Call System Inc. at 1-800-242-1776 to determine underground utilities locations.
6. All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from the Montgomery County Conservation District.
7. Clearing, grubbing, and topsoil stripping shall be limited to those areas described in each stage of construction sequence. General site clearing, grubbing, and topsoil stripping may not commence in any stage or phase of the project until the E&S BMPs specified by the BMP sequence for that stage or phase have been installed and are functioning as described in this E&S plan.
8. All building material and wastes must be removed from the site and 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.
9. Before disposing of soil or receiving borrow for the site, the operator must assure that each spoil or borrow area has an erosion and sediment control plan approved by the local County Conservation District or the Department of Environmental Protection, and which is fully implemented and maintained according to Chapter 102 regulations prior to being activated. The operator shall also notify the Montgomery County Conservation District in writing of all receiving spoil and borrow areas when they have been identified.
10. The operator is responsible for ensuring that any material brought to the site is clean fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as clean fill due to analytical testing.

The general sequence of construction is as follows. If any modifications are necessary or desired by the O/RP, they must be approved by the Berks County Conservation District prior to implementing the changes.

1. The limit of disturbance (LOD) shall be marked with survey stakes, posts and rope, construction fence or some other acceptable material prior to disturbance activities.
2. Clear, grub, and install the Rock Construction Entrance area.
3. The area of the BMP's shall not be compacted or receive excessive heavy equipment traffic. The area shall be protected by using tape, fencing or other suitable method.
4. Any areas of tree canopy protections shall not be compacted or receive excessive heavy equipment traffic. The area shall be protected by using tape, fencing or other suitable method.
5. Clear trees to be removed and install the compost filter socks immediately after clearing in the locations shown on the plan for all disturbed areas. Clear trees only, no grubbing shall occur during this step until the downslope socks are in place.

Upon the installation or stabilization of all perimeter sediment control BMP's and at least 3 days prior to proceeding with the bulk earth disturbance activities, the permittee or co-permittee shall provide notification to the Montgomery County Conservation District.

6. The access buildings, drive, parking improvements and site grading may begin using the following procedure:
 - The contractor shall ensure that the runoff from all possible earth disturbance activities shall constantly be directed into the Sediment Traps.
 - Remove and grub the root material.
 - Strip the topsoil from the proposed disturbed area.
 - Place the topsoil where shown on the plan.
 - Place fill and compact to proposed grades starting downhill working uphill.
 - The subgrade shall be rolled and the stone placed where shown on the plan.
 - Proposed storm sewers and structures shall be installed at this time. Each catch basin shall have a sediment filter device installed until final stabilization.
 - Stabilize the disturbed areas on the site with a minimum of six inches of topsoil, permanently seed and mulch. A slope protection blanket shall be installed where shown on the plan.
 - The fill areas shall be stabilized at the end of each day.
 - No more than 15,000 square feet of disturbed area shall reach final grade before initiating seeding and mulching operations on areas proposed to be lawn areas.

7. Begin Building construction.

8. Begin installing the utilities using the following procedure. The utility lines may be installed simultaneously if desired by the O/RP:
 - The sewer line connection, pump, lateral, and electric line
 - The water line connection
 - The gas, electric, telephone and cable lines if proposed shall be installed. The open trenches shall be backfilled and stabilized at the end of each day.

9. Pave areas shown on the plans and stabilize any disturbed areas.

10. After upslope areas are stabilized, install the capture and reuse tank and basin. A licensed Professional Engineer shall be present for this step.
 - Any sediment entering the BMP shall be removed with light equipment. The underlying soil shall be scarified a minimum of twelve inches with aヨrk rake, rototiller or other suitable equipment. A licensed professional shall provide oversight during the scarification of the subgrade.
 - The topsoil shall be stripped and placed where shown on the plan.
 - Excavate the bstone basin and place and compact the fill for the berm. The structural soil shall be placed where shown on the plan.
 - Install the outlet structure and outlet pipe. A licensed Professional shall provide oversight during the backfilling of the outlet pipe.

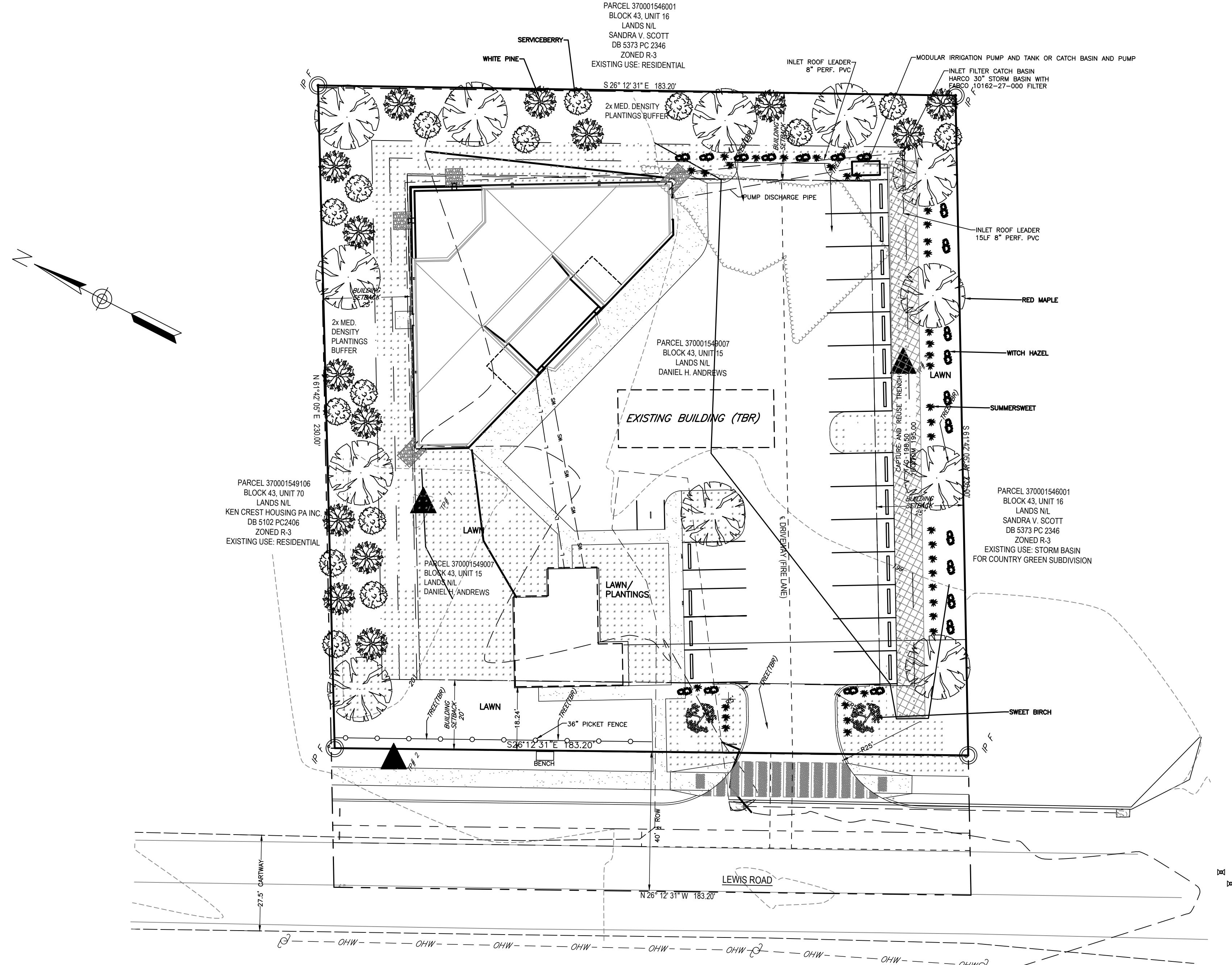
- Stabilize the entire outside of the berm and on the inside of the berm with topsoil.
 - Immediately apply the permanent seeding and mulch for the entire area. A slope protection blanket shall be installed where shown on the plan and all slopes greater than 3:1.
 - Amended topsoil per the procedure outlined on the plans shall be installed on the inside of Rain Gardens, permanently seeded and mulched. A slope protection blanket shall be installed where shown on the plan and all slopes greater than 3:1.
11. Install soil amendment, trees and landscaping in areas of lawn shown on the plans using light tracked equipment. Do not run equipment over areas of soil amendment to avoid compaction. Stabilize all disturbed areas with seed and mulch. Licensed professional oversight and inspection shall occur at this critical stage.

- 12. When all of the disturbances on the site are completely stabilized (a minimum of 70% uniform perennial vegetative cover), all temporary BMP's should be removed from the site and any disturbance created when removing them shall immediately be permanently seeded and mulched. Compost filter socks shall be split open and the compost distributed in landscaped areas of the site.**

CLIENT		SUBJECT	
DAN ANDREWS 103 WEST BEIDLER ROAD KING OF PRUSSIA, PA 19406		EROSION AND SEDIMENTATION NARRATIVE	
398 NORTH LEWIS ROAD			
LIMERICK TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA			
1860 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538		PROJECT NO. 22-452	
DESIGN BDB		CHKD. BY	
DRAWN BY SSR		CHKD. BY BDB	
NO. 2022-07-13		SCALE 1" = 20'	
REVISION		DATE BY APP.	
2.			
1. PER PENNONI REVIEW LTR DATED SEPTEMBER 27, 2022		02-23-23 JLK BDB	
NO.			



Boyer
ENGINEERING LLC



TOPSOIL NOTE:
THE PERMANENT REMOVAL OF TOPSOIL FROM ANY PARCEL OF LAND SHALL BE PROHIBITED, EXCEPT AS FOLLOWS:

1. DURING ACTUAL CONSTRUCTION ON PREMISES, THAT PORTION OF THE TOPSOIL PRESENT WHICH COVERS AN AREAS TO BE OCCUPIED BY PERMANENT STRUCTURES OR PERMANENTLY LOCATED MATERIALS OF AN IMPERVIOUS NATURES OR PONDS AND LAKES MAY BE CONSIDERED EXCESS AND MAY BE REMOVED BY THE OWNER.
2. DURING REGRADING OPERATIONS CONDUCTED UPON PREMISES, WHETHER OR NOT CARRIED ON IN CONJUNCTION WITH ON-SITE CONSTRUCTION, EXCESS TOPSOIL REMAINING AFTER RESTORING PROPER TOPSOIL COVER (AT LEAST EIGHT INCHES) TO THE AREAS OF THE PARCEL UPON WHICH REGRADING OPERATIONS WERE CONDUCTED MAY BE REMOVED BY THE OWNER.



Know what's below

Call Before You Dig!

BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA!
CALL 1-800-242-1776
NON MEMBERS MUST BE CONTACTED DIRECTLY
PA LAW REQUIRES THREE WORKING DAYS NOTICE
TO UTILITIES BEFORE YOU EXCAVATE, DRILL,

BLAST OR DEMOLISH

0 10 20 40 80
SCALE 1'-20'

CLIENT
DAN ANDREWS
3 WEST BEIDLER ROAD
OF PRUSSIA, PA 19406

SUBJECT
SM PLAN

398 NORTH LEWIS ROAD

LIMERICK TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

60 WEAVERTOWN ROAD, SUITE 100 DOUGLASSVILLE, PA 19518 PHONE: 610-689-8021 FAX: 610-689-4538		PROJECT NO. 22-452
SIGN BDB	CHKD. BY	DWG. NO. SP122452
AWN BY SSR	CHKD. BY BDB	SHEET NO.
TE 2022-07-13	SCALE 1" = 20'	9 OF 9

