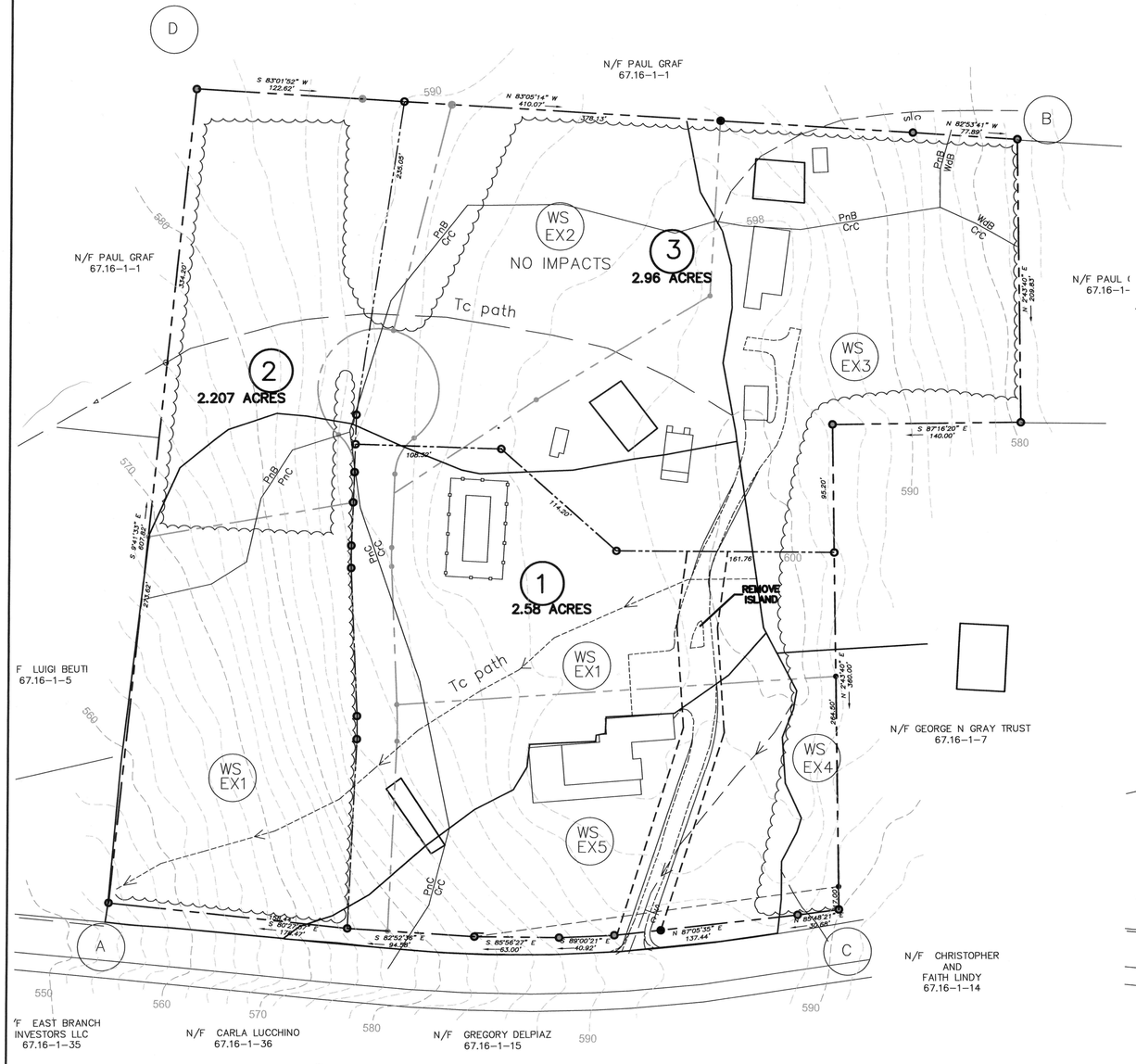
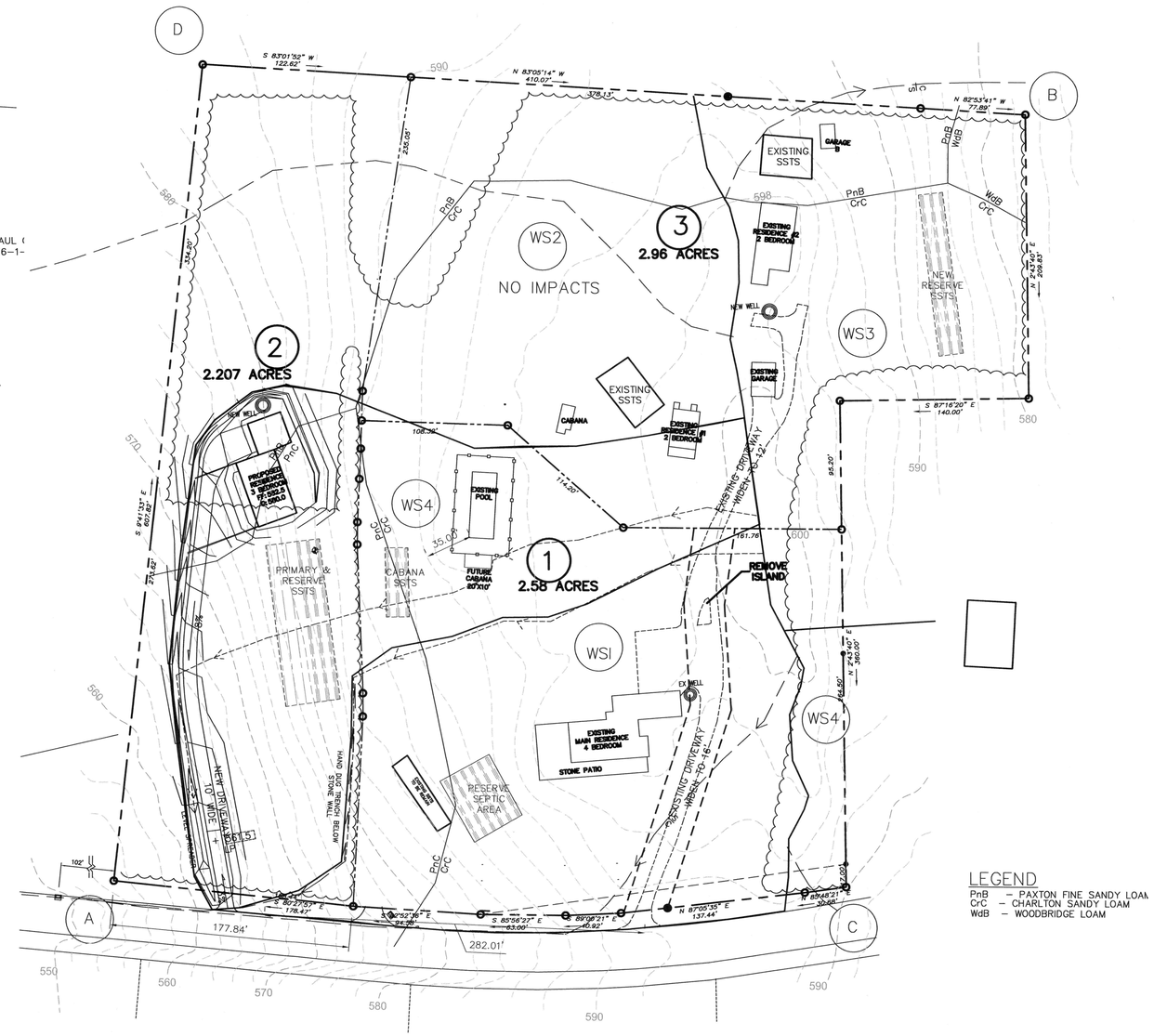


PRE DEVELOPMENT PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.



LEGEND

PnB – PAXTON FINE SANDY LOAM
CrC – CHARLTON SANDY LOAM
WdB – WOODBRIDGE LOAM

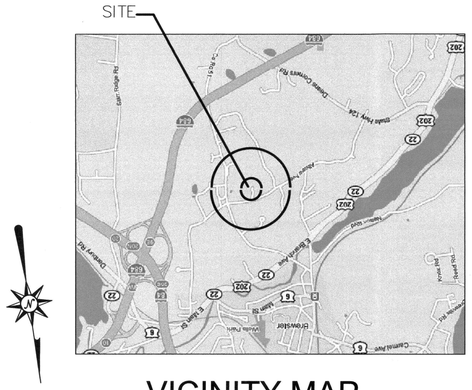
POST DEVELOPMENT PLAN

GRAPHIC SCALE

50 0 25 50 100 200

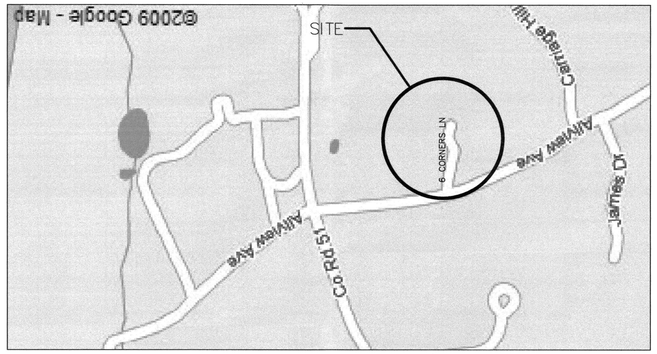
(IN FEET)
1 inch = 50 ft.

P. W. SCOTT	Revisions			Dwg. Title PRE/POST DRAINAGE OVERLAY	Seal	Dwg. No.
	No.	Date	Description			
ENGINEERING & ARCHITECTURE, P.C.	A	10.17.19	REVISED DISTURBANCE AREA	Project Title ALLVIEW AVENUE SUBDIVISION		D1
3871 ROUTE 6				Proj. No. 15-025(19) Drawn by PAS		
BREWSTER, NY 10509 845-278-2110				Date 8/14/19 Scale 1" = 50'		



VICINITY MAP

SCALE: 1"=2000'



INSERT MAP

SCALE: 1"=1,000'

ZONING TABULATION

TOWN OF SOUTHEAST
ZONING DISTRICT: R-60

ITEM	PERMITTED
Min. Lot:	60,000 SF
Frontage:	175 FT
Width:	175 FT
Depth:	50 FT
Front Yard:	50 FT
Side Yard:	30/75 FT
Rear Yard:	50 FT
Max. Lot Coverage :	20 %
F.A.R.	0.20
Building Height	
Max Height Stories:	2 1/2 Story
Max Height Feet:	35 FT

ZONING COMPLIANCE CHART: R-60 ZONE				
3 LOT PLAN				
ITEM	REQUIRED	LOT 1	LOT 2	LOT 3
LOT AREA (SF)	60,000 MIN	112,385	96,124	128,938
LOT AREA (ACRE)	1.38 MIN.	2.58	2.206	2.96
STREET FRONTAGE	175 FT. MIN.	364 FT	178 FT	Easement (280A) 30 FEET Wide
MIN. LOT WIDTH AT FRONT YARD SETBACK	175 FT. MIN.	333 FT	179 FT	30 FT
FRONT YARD SB (FT)	50 FT. MIN.	98.3 FT	230 FT	180
SIDE YARD SB(FT)	30 FT./ 75 FT.MIN.	128.3 FT/119 FT	56 FT / 32 FT	170 FT / 169.4FT
REAR YARD SB (FT)	50 FT.	117 FT	303 FT	76 FT
BUILDIING HEIGHT (FT)	35 FT. MAX.	30 FT	<35 FT	18 FT
STORIES	2-1/2	2	2-1/2	1
TOTAL BUILDING AREA (MAIN + ACCESSORY)		3,496 SF	NEW 2,200 SF	3,026 FT
LOT COVERAGE	20%	3.10%	2.30%	2.30%
FLOOR AREA RATIO	0.2	0.003	0.03	0.02
ACCESSORY USE	EXISTING STRUCTURES			
ACCESSORY BUILDING FRONT YARD	NOT PERMITTED	N/A	N/A	N/A
ACCESSORY BUILDING SIDE YARD	50 FT MIN.>100sf			
ACCESSORY BUILDING REAR YARD	50 FT. MIN.>100sf			
POOL				
SIDE YARD (FT)		83.5		
REAR YARD (FT)		31.62 FT*		
SIZE (SF)		870 SF		
CABANA				
FRONT YARD (FT)				20.02 FT*
SIZE (SF)				147.22 SF
GARAGE A				
SIDE YARD (FT)				48 FT
SIZE (SF)				430 SF
GARAGE B				
REAR YARD (FT)				14.97 FT *
SIZE (SF)				180 SF
SECONDARY RESIDENCE				
FRONT YARD (FT)				103.2 FT
SIZE (SF)				732 SF

Variance Chart

Pertinent Sections

136-26B	No swimming pols are permittded in front y.
138-27D	Accessory buildings are limited to 100 sf witl

Variances Required

Existing, Non-Conforming Buildings (Original Property Lines)

Lot #3	Yard	Required	Provided	Extent of Variances
Garage B (200 sf)	Rear	50 ft	14.97	35.03

Created from New Property Lines

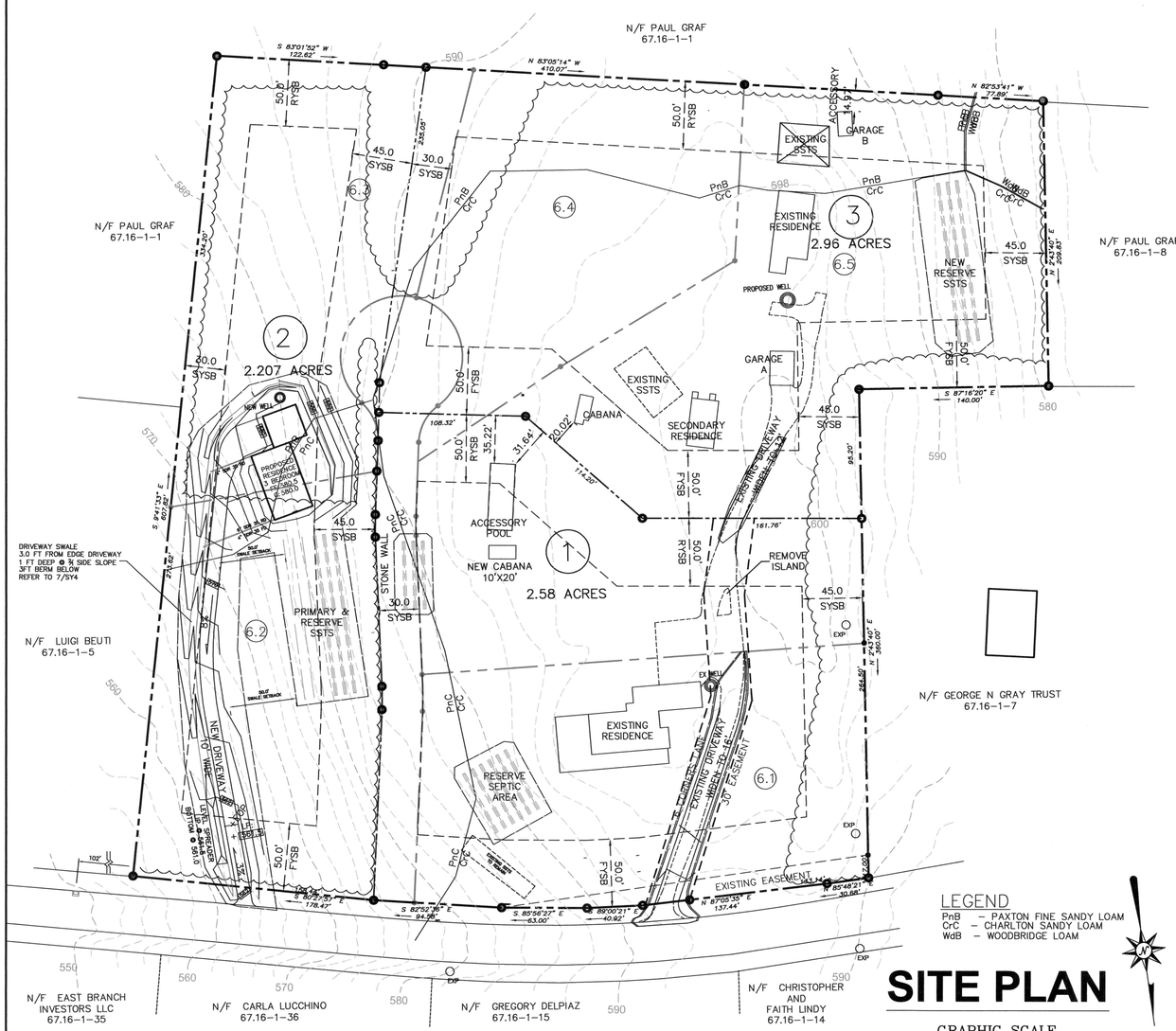
Lot #1	Yard	Required	Provided	Extent of Variances
Pool	Rear	50 ft*	31.62	18.36

*Cannot be in front yard of Lot #3

Lot #3	Yard	Required	Provided	Extent of Variances
Cabana	Front	50 ft	20.0'	30.0'

PROJECT INFORMATION

Project Location:	212 Allview Avenue Town of Southeast Putnam County State of New York
Zoning District:	R-60
School District:	Brewster School District
Fire District:	Village of Brewster
Jurisdictional Government::	Town of Southeast Planning Department
Property Identification:	67.16 - 1 - 6.1(LOT 1) 67.16 - 1 - 6.2(LOT2) 67.16 - 1 - 6.3(ELIMINATE) 67.16 - 1 - 6.4(ELIMINATE) 67.16 - 1 - 6.5 (LOT 3)
E911:	212 Allview Avenue
Owners:	67.16-1-6.1 67.16-1-6.2 67.16-1-6.5 Guisseppe & Evelyn Mazzotta 212 Allview Av Brewster NY 10509 67.16-1-6.3 Ann Marie Mazzotta 212 Allview Ave Brewster NY 10509 67.16-1-6.4 Michelle Mazzotta 212 Allview Ave Brewster NY 10509
Applicant:	Guisseppe Mazzotta
Engineer:	P.W. Scott Engineering & Architecture, P.C. 3871 Route 6 Brewster, NY 10509
Surveyor:	Terry Bergendorff Collins Professional Land Surveyor 52 Starr Ridge Rood Brewster, NY 10509



LEGEND

PnB – PAXTON FINE SANDY LOAM
CrC – CHARLTON SANDY LOAM
WdB – WOODBRIDGE LOAM

SITE PLAN

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

LEGEND

NOT TO SCALE

- PROPERTY LINE
- SETBACK LINE
- WETLANDS BOUNDARY LINE (X57 – X56)
- QTY PARKING SPACES (9.5'x18')
- PROPOSED PAVEMENT STRIPING
- PAINTED HANDICAPPED SYMBOL
- SECURITY LIGHT (2) 100W POLE MOUNTED
- PROPOSED PARK/TRAFFIC SIGN
- PROPOSED 6" HIGH CONCRETE CURB
- PROPOSED SIDEWALK
- BUILDING / STRUCTURES
- EDGE OF GRAVEL/PAVEMENT
- LIMIT OF DISTURBANCE
- EXISTING POLE
- EOP EDGE OF PAVEMENT

DRAWING LIST/DATE & ISSUE DATE

DRAWING NO.	SHEET TITLE	SUBMISSION DATES 8/14/2019	10/17/2019	
SY1	SUBDIVISION PLAN	X	X	
SY2	SITE DETAILS	X	X	
SY3	EROSION CONTROL PLAN	X	X	
SY4	EROSION CONTROL PLAN DETAILS	X	X	
D1	PRE/POST-DEVELOPMENT	X	X	

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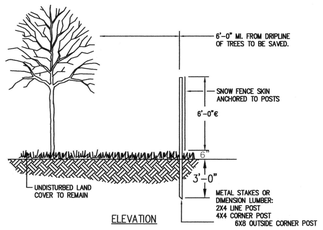
NOTE: DO NOT SCALE DRAWINGS DIMENSIONS SUPERCEDE SCALE

P. W. SCOTT
ENGINEERING & ARCHITECTURE, P.C.
3871 ROUTE 6
BREWSTER, NY 10509 845-278-2110

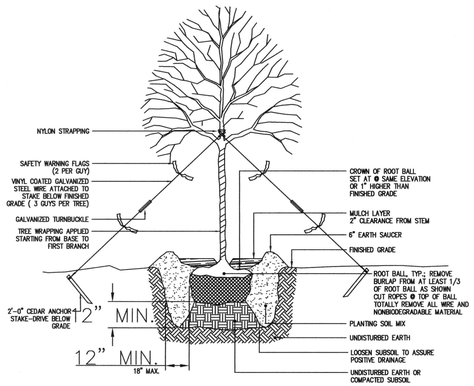
Revisions		
No.	Date	Description
A	10.17.19	SSTS DATA & VAR. CHART

Dwg. Title	3 LOT SUBDIVISION PLAN	Seal	Dwg. No.
Project Title	ALLVIEW AVENUE SUBDIVISION		SY1
Proj. No. 15-025(19)	Drawn by PAS		
Date 08/14/19	Scale AS NOTED		



ELEVATION

TREE PROTECTION DETAIL

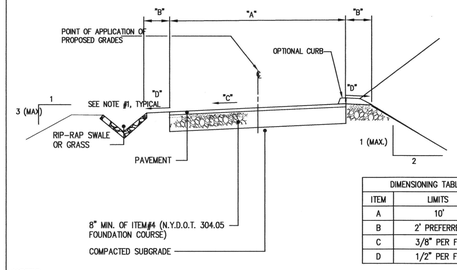


ELEVATION

1 SY2

TREE PLANTING AND GUYING DETAIL INSTALLED IN OPEN AREAS

N.T.S.



DIMENSIONING TABLE	
ITEM	LIMITS
A	10'
B	2' PREFERRED
C	3/8" PER FT.
D	1/2" PER FT.

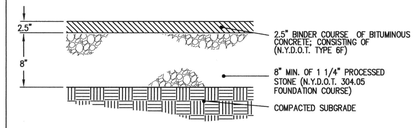
NOTES:
1. SIDE SLOPES TO BE STABILIZED WITH AN APPROVED METHOD AS SPECIFIED BY THE ENGINEER. SLOPES OVER 2 ON 1 SLOPE AND 6.0 FEET IN HEIGHT REQUIRE GEOTEXTILE FABRIC SLOPE BLANKET

2 SY2

DRIVEWAY CROSS SECTION

N.T.S.

NOTES:
1. SIDE SLOPES TO BE STABILIZED WITH AN APPROVED METHOD AS SPECIFIED BY THE ENGINEER. SLOPES OVER 2 ON 1 SLOPE AND 6.0 FEET IN HEIGHT REQUIRE GEOTEXTILE FABRIC



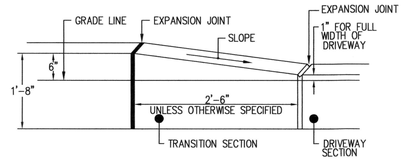
LOTS 1 & 3 TO HAVE PAVED DRIVEWAY SURFACES TO HOUSE.
LOTS 2 PAVEMENT UP TO STATION 0+55(EOP AS NOTED)

5 SY2

TYPICAL DRIVEWAY PAVEMENT DETAIL

N.T.S.

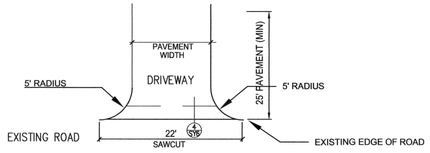
NOTE:
1. EDGE OF TRANSITION SECTION SHOULD MATCH ADJACENT CURB.



3 SY2

DRIVEWAY CURB TRANSITION DETAIL

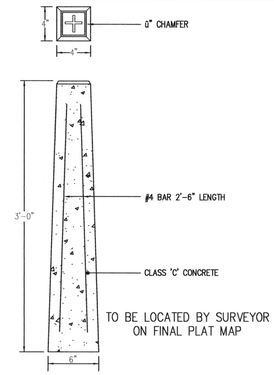
N.T.S.



6 SY2

DRIVEWAY / ROAD INTERSECTION

N.T.S.

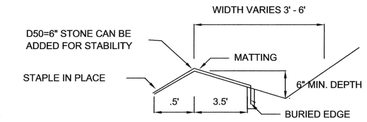


TO BE LOCATED BY SURVEYOR ON FINAL PLAT MAP

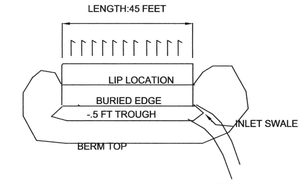
4 SY2

CONCRETE MONUMENT DETAIL

N.T.S.



CROSS SECTION
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. THE MATTING SHOULD BE A MINIMUM OF 4FT. WIDE EXTENDING 6 INCHES OVER THE LIP AND BURIED 6 INCHES DEEP IN A VERTICAL TRENCH ON THE LOWER EDGE. THE UPPER EDGE SHOULD BUTT AGAINST SMOOTHLY CUT SOD AND BE SECURELY HELD IN PLACE WITH CLOSELY SPACED HEAVY DUTY WIRE STAPLES AT LEAST 12 INCHES IN LENGTH.
2. ENSURE THAT THE LIP IS LEVEL TO UNIFORMLY SPREAD DISCHARGE.
3. THE LIP SHALL BE CONSTRUCTED ON UNDISTURBED SOIL NOT FILL.
4. A 20 FOOT TRANSITION OR OUTLET STRUCTURE WILL BE CONSTRUCTED FROM THE OUTLET PIPE TO THE SPREADER TO SMOOTHLY BLEND THE DIFFERENT DIMENSION AND GRADES.
5. THE RUNOFF DISCHARGE WILL BE OUTLETED ONTO A STABILIZED VEGETATED SLOPE NOT EXCEEDING 10%.
6. SEED AND MULCH THE DISTURBED AREA IMMEDIATELY AFTER CONSTRUCTION.

8 SY2

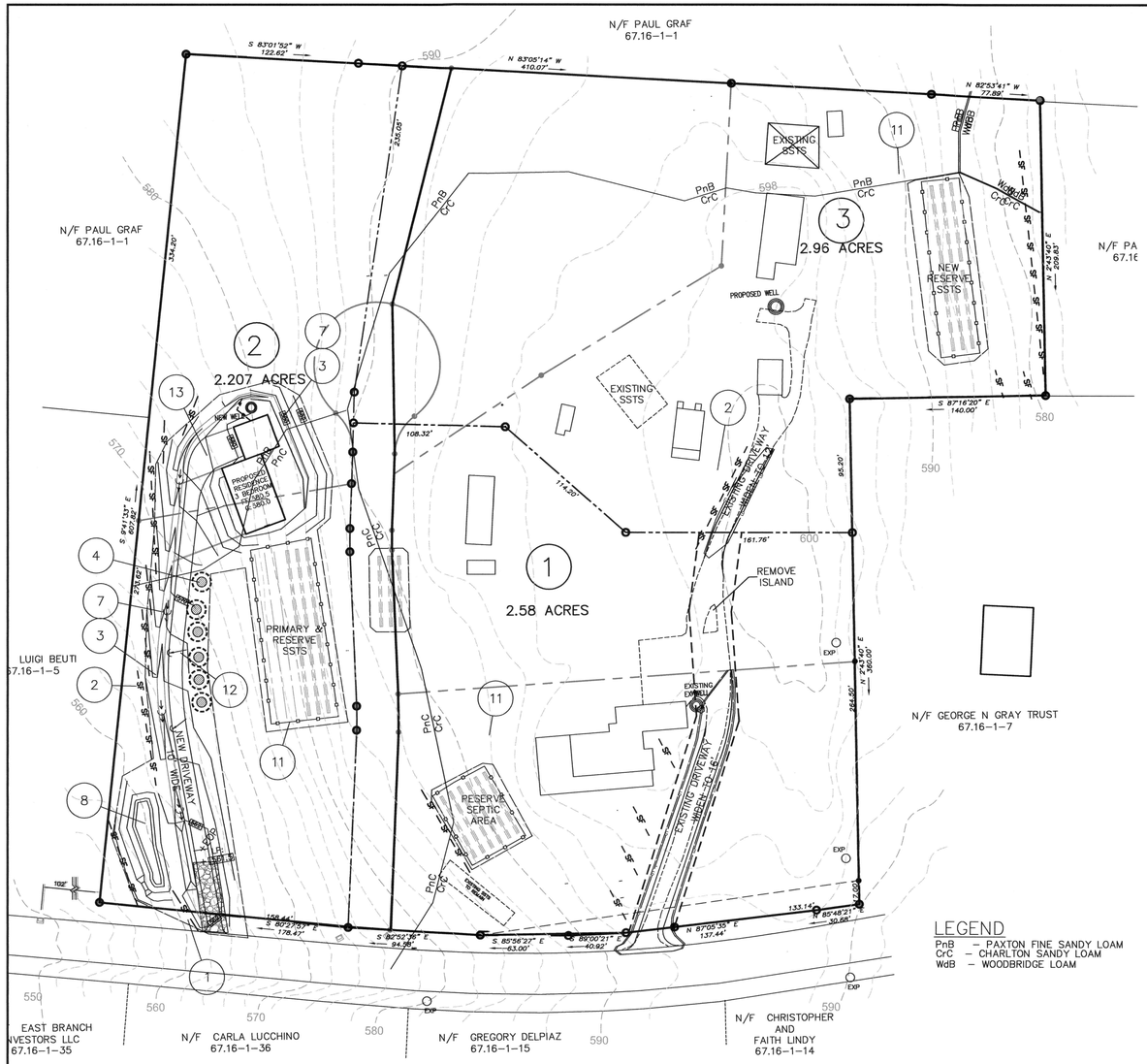
LEVEL SPREADER

N.T.S.

P. W. SCOTT
ENGINEERING & ARCHITECTURE, P.C.
3871 ROUTE 6
BREWSTER, NY 10509 845-278-2110

Revisions		
No.	Date	Description
A	10.17.19	REFERENCE

Dwg. Title: SITE DETAILS
Project Title: ALLVIEW AVENUE SUBDIVISION
Proj. No. 15-025(19) | Drawn by MA
Date 8/14/19 | Scale AS NOTED
Seal
Dwg. No. SY2



LEGEND
PnB – PAXTON FINE SANDY LOAM
CrC – CHARLTON SANDY LOAM
WdB – WOODBRIDGE LOAM

EROSION AND SEDIMENTATION CONTROL NARRATIVE

THE PROJECT SHALL CONSIST OF THE CONSTRUCTION THE IMPROVEMENT OF A DRIVEWAY WIDTH SERVING LOTS 1&3 AND THE DEVELOPMENT OF A NEW LOT #2 RESIDENCE WITH INDIVIDUAL SEPTIC AND WELL.

SEQUENCE OF CONSTRUCTION

INTRODUCTION

1. Pre-construction meeting with Town of Southeast Town Engineer/MS4 Agent, Contractor & Engineer for project scheduling and final plan coordination. There is no NYCDEP (exempt) or NYSDEC and local wetlands permitting.
2. File NYSDEC NOI Forms with start dates
3. E.O.R. to complete NYSDEC inspections twice per week per NOI permit.

GENERAL SPECIFICATIONS

4. Surveyor to locate limits of house sites, driveway entrance and lot lines with monuments.
5. The project consists of tasks on two different lots. Driveway expansion on Lot #1 and new development on Lot #2. Each Sequence is separate.

LOT #2 DEVELOPMENT

1. Install construction fence around septic area (Ref 11/SY3).
2. Install construction entrance (Ref 1/SY4).
3. Install stone outlet structure sediment trap (Ref 8/SY4).
4. Install temporary diversion swale (Ref 3/SY4) along driveway extending up from the sediment trap.
5. Remove topsoil on driveway and house site as shown on Erosion Control Plan and stockpile (Ref SY4).
6. Install water bars along the driveway to ensure stability of graded driveway (Ref 4/SY4)
7. Install 8 inches of Item #4 to achieve the grades of proposed driveway.
8. Excavate house site to grades/notes.
9. Pour concrete footings.
10. Install gravel within footings for house slab.
11. Extend footing drains to daylight from footing excavation.
12. Seed and mulch all disturbed areas 10' from driveway and house excavation.
13. Pour concrete foundation walls with through opening for septic sand water lines.
14. Waterproof exterior foundation.
15. After 5 days, backfill foundation with drainage stone and filter fabric extending to footing drains.
16. Excavate trench for septic tank, pump chamber and septic lines to fields.
17. Seed and mulch around house site.
18. Roof drains to discharge at front of house toward driveway - leader drains to be installed at corners extending to daylight.
19. Start septic system with special row of silt fence. Complete per septic plans.
20. Complete final driveway grading.
21. Convert temporary swale to permanent swale with liner and check dams (Ref 7/SY4)
22. Install level spreader per specifications once grass stabilized below the level spreader - Connect permanent swale to the level spreader.
23. Remove the stone outlet sediment trap.
24. Remove the construction entrance.
25. Pave 25 feet driveway apron as required by Town of Southeast regulations 2.5 inch binder course. Saw cut into Allview Ave to create seamless connection.
26. Final seed and mulch the yard to complete the project.
27. Inspection of apron completed with the Town of Southeast & Superintendent of Highways.
28. File NOT (Notice of Termination) paperwork to NYSDEC.

DRIVEWAY IMPROVEMENT FOR LOT #1 AND LOT #3

The limited scope consists of removing the original driveway section expanding the foot print for width, adding Item #4 and repaving. There is no regrading anticipated. The sequence is as follows:

1. Install silt fence per plans.
2. Saw cut location of driveway expansion.
3. Remove asphalt off site
4. Install 8 inches of Item #4 and compact.
5. Pave the driveway with 2.5 inches of bituminous asphalt.
6. Seed and mulch edges of driveway replaced.

Project Complete

NYSDEC NOT filing for this small area is not considered necessary since it is considered a repair.

THE FOLLOWING IS A LIST OF THE MAINTENANCE PRACTICES REQUIRED FOR THE EROSION CONTROL MEASURES NOTED ON THE SITE PLAN.

Maintenance Practices - TEMPORARY

Stabilized Construction Entrance/Exit

The stabilized construction entrance/exit shall be maintained in a condition that will prevent the tracking or flow of sediment onto public rights-of-way. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately; streets shall be swept as needed. The gravel pad shall be replaced as necessary. Sediment tracked onto public streets should be removed or cleaned on a daily basis.

Silt Fence

Maintenance of all silt fences shall be performed as needed. If a silt fence is knocked down, it shall be replaced immediately. When a silt fence appears deteriorated or ineffective and/or built up sediment reaches one-third the height of the fence, the silt fence shall be replaced and/or cleaned accordingly. When "bulges" of material develop on the fence, they shall be removed.

Silt fence controls sediment runoff where the soil has been disturbed by slowing the flow of water and encouraging the deposition of sediment before the water passes through the silt fence. Built-up sediment shall be removed from silt fences when it has reached one-third the height of the fence and properly disposed.

Clean Material Stockpile

The silt fence should be inspected for bulges and proper installation. The soil stockpile should be stabilized with grass or rolled erosion control blanket.

Dust Control

Dust control maintenance requires exposed areas to be covered or seeded and mulched. Maintain through dry periods.

Temporary Seeding and Stabilization

In areas where demolition and construction activities, clearing, and grubbing have ceased, temporary seeding or permanent landscaping shall be performed to control sediment-laden runoff and provide stabilization to control erosion during storm events. This temporary seeding/stabilization or permanent landscaping shall be in place no later than 14 days after demolition and construction activity has ceased.

Temporary Diversion Swale

The diversion swale should be properly stabilized with rolled erosion control blanket or other stabilized measures. Any rolling or areas of cutting should be immediately stabilized. Further investigation as o the cause should also be

18

performed to determine of other upstream erosion and sediment control measures are needed. When accumulated sediment reaches a depth of 1/3 of the total depth of the swale, this material shall be removed and properly disposed.

Material Handling/ Soil Stabilization

The ensure that the site ls properly seeded and stabilized, the Contractor must initiate stabilization measures as soon as practicable in areas of the site where construction activities have permanently ceased and in no case more than 14 days after the construction activity in that portion of this site has temporarily or permanently ceased. The Contractor will be responsible for the maintenance of the vegetated cover for the duration of construction activities. The areas shall be monitored to ensure that vegetation achieves a good coverage over the entire disturbed section. Additional seeding shall be completed as needed. Watering shall be provided as needed.

In areas where soil disturbance activity has been temporarily ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control.

Stone Outlet Sediment Trap

Inspection of this structure is a review of any rilling and erosion of the trap. Side slopes should be evaluated and adequate stabilization should be provided. The outlet stone weir should be inspected for damages, accumulation of sediment, trash and debris, and overall performance and displaced stones and repaired as required to original specifications. If the sediment reaches more than 50% original depth, it shall be removed to the specified disposal location.

Maintenance Practices - PERMANENT

Rip-Rap Outlet Aprons

Maintenance consists of weekly inspection during construction for stone placement, edge erosion and sediment build-up. Sediment should be removed every one year or when sediment fills the voids between the rocks.

Permanent Grass Lined Swale

Maintenance consists of monthly inspections for erosion and sediment collection at the stone check dams. Swale is mowed twice/year to 2 to 4 inches of grass height.

Level Spreader

Maintenance consists of monthly inspections of the discharge pipes into the spreader and loss of vegetation or rill erosion on slopes below the spreader. A grass surface must be maintained with planting and if required stone check dam. The rim of the spreader must be level with any voids filled to ensure uniform flow across the top of the spreader.

MAINTENANCE IMPLEMENTATION

During Construction:

- Joseph Mazzotta will be responsible for all the temporary BMP components.

Address : 212 Aview Avenue, Brewster, NY 10509
Telephone # : (845) 279-5893

After Construction:

- Homeowners of each lot will be responsible for all the permanent BMP components. lot#2 shall maintain the level spreader

Address : 212 Aview Avenue, Brewster, NY 1050
Telephone # : (845) 279-5893

EROSION CONTROL PLAN

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

Maintenance Schedule – During Construction – Temporary Structures

#	Component	MINIMUM Inspection Required	After Every Storm Event	Item to	Sediment Removal Req'd	Special Inspection Items Inspect the following:	Maintenance and Sediment Removal
1	Construction Entrance	Weekly	X	Stone Placement	None	Stone Placement & soil deposit between stones	Repair Top Dressing with additional aggregate and correct stone placement.
2	Silt Fence	Bi-Weekly	X	Woven Wire Fence Alignment	Yes	Woven Wire & Fence Stability	Remove material when a "bulge" develops, ensure fence extends into soil and fence upright, staple fencing
3	Diversion Swale	Weekly	X	Swale's water capacity	Yes	Side slopes & Bottom to be clean, no erosion or breaks	On Bi-weekly basis, clean swale of debris, fix channel and side slopes, ensure no blow outs
4	Topsoil Stockpile Area	Bi-Weekly	X	Soil Pile Condition	None	Silt Fence at Base of Pile to be inspected and seeding reviewed.	Remove material when a "bulge" develops, ensure fence extends into soil and fence is upright, staple fencing
5	Rip-Rap Outlet Protection	Weekly	X	Stone Condition & Placement	Yes	Stone Placement & Sediment	On Bi-weekly basis, remove sediment, correct stone placement and add stone if required to local erosion
6	Erosion Control Blanket	Monthly	X	Blanket Condition	None	Blanket & Seeding	Ensure staking correct, fix any misplacement add seeding if no growth evident, remove any tree or brush growth under blanket. Correct any local erosion with soil and seeding
7	Stone Check Dams	Bi-Weekly	X	Stone Placement & Location	Yes	Stone & Sediment Accumulation	Bi-weekly , remove sediment, set stones to correct profile, fix any swale/berm blow-outs
8	Stone Outlet Sediment Trap	Weekly	X	Stone Placement & Location	Yes	Stone & Sediment	Bi-weekly , remove sediment, set stones to correct profile, fix any swale/berm blow-outs
9 & 10				See Sheet SY3			
11	Construction Fence	Bi-Weekly		Fence woven wire condition	None	Fence posts and grid	Fix fence upright and staple as required to ensure integrity
12	Temporary	Bi-Weekly	X	Condition & sediment & outlet areas	Yes	Local Erosion & Debris	On Bi-weekly basis, remove sediment
13	Temporary	Bi-Weekly		Present Location	None	Local Erosion & Debris	N/A

Maintenance Schedule – During Construction – Permanent Structures

Erosion Control #	Component	Inspections Required: Upon Installation	Inspections Required: During Construction	Items to Inspect	Mowing Schedule		Sediment Removal	Schedule (Years)	Outlet: Structure	Outlet: Schedule	Planting: Supplemental	Planting: Schedule	Erosion or Displacement Task	Task Schedule
1	Swales – Permanent	X	Weekly	Rock Displacement	Side Slope Channel Water Passage	1st Week June/Sept. 4" to 6" grass height	To Swale Dimensions	Annual	N/A	N/A	For Grass Swale	If eroded or Annually	Check Bottom for Erosion, Seed if Required	Bi-annual inspect
2	Velocity Dissipation Apron	X	Weekly	Rock Displacement	N/A	N/A	Weekly	Annual	Pipe Outlet	Twice/Year	N/A	N/A	Fix stone placement	Bi-Annual Inspection
3	Level Spreader	X	Weekly	Collection Area, Rim Spreader	Below Spreader	2" to 4"	In Collection Area	Annual	Clear Outlet Swale	Monthly	Grass below Spreader	Twice per year	Check Rim Stones Level Slopes Stable	Twice/Year

SEDIMENT & EROSION CONTROL LEGEND

1		CONSTRUCTION ENTRANCE	TEMPORARY SEE DET. 1/SY4 PLACE @ EA. POINT OF ENTRY INTO SITE
2	— SF — SF —	SILT FENCE	TEMPORARY SEE DET. 2/SY4 PLACE PARALLEL TO GRADE
3		TEMP. DIVERSION SWALE	TEMPORARY: SEE DET.3/SY4
4		TOPSOIL STOCKPILE AREA	TEMPORARY SEE DET. 4/SY4 RING WITH SILT FENCE
5		RIPRAP OUTLET PROTECTION VELOCITY DISSIPATION DEVICE	PERMANENT SEE DET. 5/SY4
6		EROSION CONTROL BLANKET	TEMPORARY @ SLOPE OVER 6' HIGH SEE DET. 6/SY4
7		STONE CHECK DAM	TEMPORARY @ SWALE DISCHARGE, SEE DET. 7/SY4
7		GRASS LINED SWALE SLOPE UNDER 10%	PERMANENT SEE DET. 7/SY4
8	T#7	STONE OUTLET SEDIMENT TRAP	TEMPORARY SEE DET. 8/SY4
11		CONSTRUCTION FENCE	TEMPORARY SEE DET. 11/SY4
12		WATER BREAKS	TEMPORARY SEE DET. 12/SY4 PLACE @ 75' O.C.
13		TEMPORARY STAGING AREA	TEMPORARY

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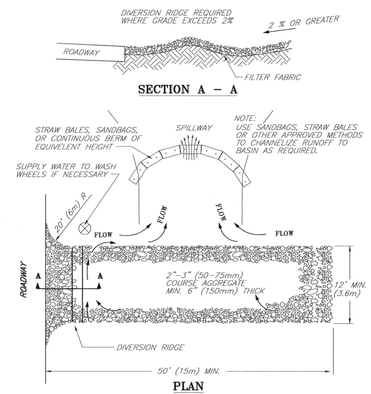
Revisions

No.	Date	Description
A	10.17.19	SSTS DATA & REDESIGN

Dwg. Title: EROSION CONTROL PLAN
Project Title: ALLVIEW AVENUE SUBDIVISION
Proj. No. 15-025(19) | Drawn by PAS
Date 08/14/19 | Scale 1" = 50'
Seal
Dwg. No. SY3



NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

1 SY4 STABILIZED CONSTRUCTION ENTRANCE

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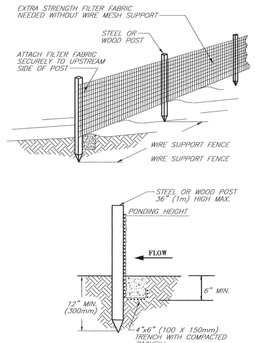


NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.

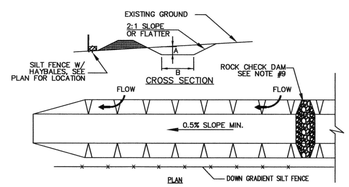
2 SY4 SILT FENCE

N.T.S.

NOTES:
1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON–EROSIVE VELOCITY.
4. ALL TREES, BRUSH, STUMPS OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
5. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
8. STABILIZATION SHALL BE AS PER THE CHART BELOW.
9. INSTALL ROCK CHECK DAMS AT 100' INTERVALS WHERE CHANNEL SLOPE EXCEEDS 5%.
10. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

FLOW CHANNEL STABLIZATION

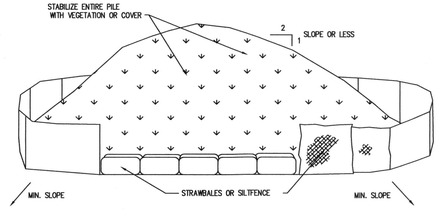
TYPE OF TREATMENT	CHANNEL GRADE	TYPE–I (5 AC OR LESS) A=1'–0"MIN B=4'–0"MIN	TYPE–II (5 AC – 10AC) A=1'–6"MIN B=8'–0"MIN
1	0.5%–3%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1%–5%	SEED AND STRAW MULCH	SEED W/ JUTE NETTING OR EQUAL
3	5.1%–8%	SEED WITH JUTE NETTING OR APPRVD EQUAL	LINED RIP–RAP 4–6" OR RECYCLED CONCRETE EQUIVALENT
4	8.1%–20%	LINED 4–8" RIP–RAP	ENGINEERED DESIGN



3 SY4 TEMPORARY DRAINAGE OR DIVERSION CHANNEL

N.T.S.

NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.



TO BE USED WHERE TOPSOIL IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TOPSOIL IS APPLIED TO SUBSOILS THAT ARE DRAUGHTY (HAVING LOW AVAILABLE MOISTURE FOR PLANTS), STONEY, SALTY, HAVE LOW PERMEABILITY, OR ARE EXTREMELY ACID. IT IS ALSO USED TO BACKFILL AROUND SHRUB AND TREE TRANSPLANTS. PRESERVATION OF EXISTING TOPSOIL IS BENEFICIAL FOR ALL TYPES OF LAWN OR ORNAMENTAL PLANTINGS.

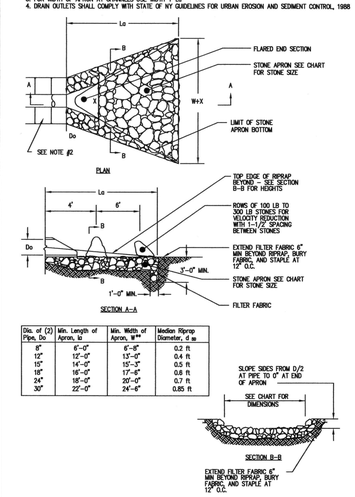
TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NONVEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED PERIOD OF USE.

SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATIONS.

4 SY4 SOIL STOCKPILES

N.T.S.

NOTES:
1. SEE EROSION AND SEDIMENT CONTROL PLAN FOR LOCATIONS.
2. FOR CHANNEL DISCHARGE USE De EQUAL TO DEPTH OF FLOW TO DETERMINE LENGTH OF APRON.
3. FOR WIDTH OF APRON AT CHANNELS USE WIDTH + La
4. DRAIN OUTLETS SHALL COMPLY WITH STATE OF NY GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, 1988

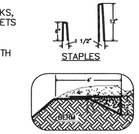


Dia. of (2) Pipe, De	Min. Length of Apron, la	Min. Width of Apron, W**	Median Riprap Diameter, d ss
8"	6'–0"	6'–8"	0.2 ft
12"	12'–0"	13'–0"	0.4 ft
15"	14'–0"	15'–3"	0.5 ft
18"	16'–0"	17'–8"	0.6 ft
24"	18'–0"	20'–0"	0.7 ft
30"	22'–0"	24'–6"	0.85 ft

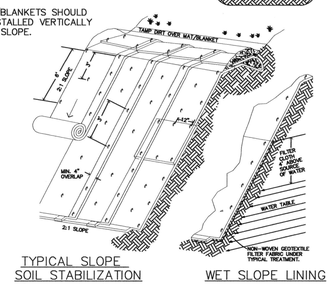
5 SY4 RIPRAP OUTFALL APRON WITH VELOCITY REDUCER

N.T.S.

NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.



MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWN SLOPE.



TYPICAL SLOPE SOIL STABILIZATION

WET SLOPE LINING

6 SY4 EROSION BLANKET & REINFORCEMENT MAT SLOPE INSTALLATION

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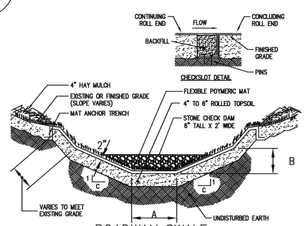
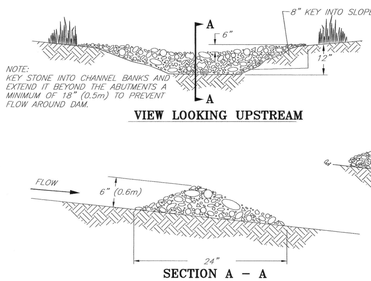


ROADWAY SWALE

N.T.S.

1. PERMANENT SWALE DETAILS FOR SLOPES UNDER 4%



NOTES:

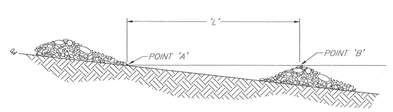
1. SITE PREPARATION: GRADE SURFACE OF INSTALLATION AREAS SO GROUND IS SMOOTH AND COMPACT. REMOVE ALL ROCKS, ROOTS AND OTHER OBSTRUCTIONS FROM LYING IN DIRECT CONTACT WITH THE SOIL SURFACE AND THE MAT.
2. PROVIDE 4" TO 6" ROLLED TOPSOIL AND SEED. INSTALL MAT AS DIRECTED BELOW AND RESEED AREAS DISTURBED DURING MAT INSTALLATION. SEED DISTURBED AREAS OUTSIDE OF MAT INSTALLATION AND MULCH WITH HAY.
3. PREPARE 6" X 12" MAT ANCHOR TRENCHES AT TERMINAL ENDS 6" X 6" PERIMETER TRENCHES AT SIDES OF INSTALLATION.
4. GROUND FASTENING: 18" PINS, 3/16"ø, WITH ATTACHED 1 1/2" WASHERS. PIN EACH MAT AT CENTER AND AT OVERLAPPED EDGES.
5. ROLL WIDTH OVERLAPS SHALL BE A MINIMUM OF 3". PIN AT 3' TO 5' INTERVALS. SPLICE ROLL ENDS IN A 6" X 6" CHECK SLOT.
6. BACKFILL TO COVER CONCLUDING AND CONTINUING ENDS AND FASTENERS, TAMP FIRMLY, AND ROLL CONTINUING MAT ROLL ACROSS BACKFILL AND PIN AGAIN.
7. PERIMETER TRENCHES SHOULD ONLY BE DUG UPON REACHING ACTUAL PERIMETER OF INSTALLATION. PIN AT 3' TO 5' INTERVALS PRIOR TO BACKFILLING AND TAMPING.
8. MANUFACTURER: MIRAMAT TM–8 GEOSYNTHETIC ROLLED EROSION CONTROL MAT

'L' = THE DISTANCE SUCH THAT POINTS 'A' AND

COLLECTION SWALE CHART

A	B	C	SLOPE: MAX & MIN
1.0	1.0	2	8% TO 6%

'L' = THE DISTANCE IS SET AT 75' AS NOTED ON THE EROSION CONTROL PLAN TO COLLECT SWALE SEDIMENTS

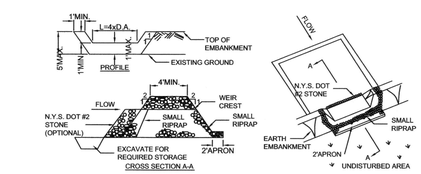


CHECKDAM DETAILS

N.T.S.

7 SY4 PERMANENT GRASS LINED SWALE & CHECK DAM DETAIL

N.T.S.



OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER–SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1' THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

MAXIMUM DRAINAGE AREA 5 ACRES

STONE OUTLET CHART

TRAP #	LOCATION	DRAINAGE AREA	REQ'D VOL (CF)	OUTLET WIDTH	DEPTH	TOP DIMENSION 'L' ALONG SWALE X WIDTH 'W'
1	POINT A	0.9 AC	3240	6.0	3.0	1080 sf= 16x70

8 SY4 TEMPORARY STONE OUTLET SEDIMENT TRAP

MULCH REQUIREMENTS

SITE PREPARATIONS:

INSTALL TEMPORARY SEDIMENT CONTROL DEVICES

JUTE NETTING

UNDYED, UNBLEACHED PLAINWEAVE WARP: 78 END/YD.,WEFT: 41 END/YD.
APPLICATION RATE: 48" X 50 YDS./1000 SF.(60#ROLL/ACRE)
DEPTH APPLICATION: 60 SG. YDS.
TIE DOWN PER MANUFACTURERS SPECIFICATIONS.

BEST COMBINATION: FIBERS

STRAW(SMALL GRAINED) MULCH
APPLICATION RATE: 2 TONS (90#S/1000 SF.)
ANCHOR WITH: WOOD FIBER MULCH(HYDRO–MULCH)
APPLICATION RATE: 500–750#/ACRE(11#/1000 SF.)
THE WOOD FIBER MUST BE APPLIED THROUGH HYDRO–SEEDER IMMEDIATELY AFTER MULCHING.

ANCHORING:

MULCH NETTING: HAY OR STRAW: STAPLE WITH LIGHT–WEIGHT JUTE
CHEMICAL: APLLY WITH TERRA TACK AR(45#) OR AEROSPRAY 70(60 GAL//ACRE)

9 SY4 MULCH SPECIFICATIONS

SITE PREPARATIONS: LIME PH TO 6.0
FERTILIZER: WITH 800#/ACRE OF 5–10–10 PER ACRE;(20#/1000 SF)

TOP SOIL: 2% WEIGHT FINE TEXTURE ORGANICS
NOT LESS THAN #200 SIEVE, NOT MORE THAN 15% CLAY
FREE OF STONES: 1&1.5", LESS THAN 10% GRAVEL
SOLUABLE SALTS LESS THAN 500 PPM.

APPLY: 5 INCHES MINIMUM
MULCH PER SPECIFICATIONS

TEMPORARY SEEDINGS:

SEEDING REQUIRMENTS: RYE GRASS @30#/ACRE(0.7#/1000 SF.)
WINTER CONDITION: CERTIFIED 'aroostook' winter rye(cereal rye) @100 #/acre; (2.5#/1000 sf)
required for november/october seeding

PERMANENT SEEDINGS:
@ 140#/ACRE; .3.3#/1000 SF.
@ 33#/ACRE; .0.7#/1000 SF.
@ 44#/ACRE; .1.0#/1000 SF.

ROUGH OR OCCASSIONALLY MOWED:

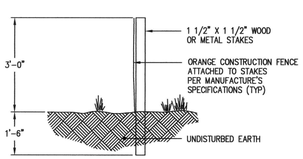
EMPIRE BIRDSFOOT @ 8#/ACRE; .20#/1000 SF.
TREFOIL OR COMMON WHITE CLOVER
TALL FESCUE @ 20#/ACRE; .45#/1000 SF.
REDTOP @ 2#/ACRE; .05#/1000 SF.

FREQUENTLY MOWED: SHADY DRY SITES

65% FINE FESCUE
15% PERRENIAL RYE
20% BLUE GRASS BLEND

10 SY4 SEEDING SPECIFICATIONS

NOTES:
1. SPACING MAY VARY AS PER MANUFACTURERES RECOMMENDATIONS. MAXIMUM SPACING IS 8'–0".
2. JOIN CONSTRUCTION FENCE SECTIONS BY OVERLAPPING END STAKES.
3. INSPECT AND REPAIR PERIODICALLY TO MAINTAIN THE INTEGRITY OF THE CONSTRUCTION AREA.



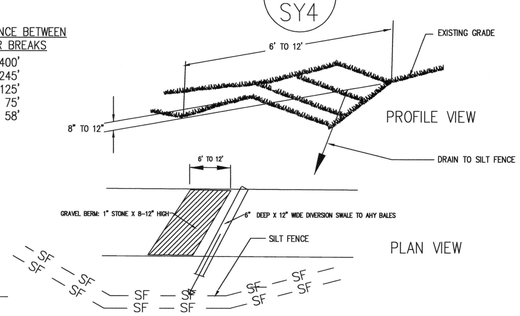
11 SY4 CONSTRUCTION FENCE DETAIL

N.T.S.

12 SY4 WATER BREAK

N.T.S.

ROAD GRADE	DISTANCE BETWEEN WATER BREAKS
1 %	400'
2 %	245'
5 %	125'
10 %	75'
15 %	58'



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Revisions		
No.	Date	Description
A	10.17.19	REFERENCE

Dwg. Title	EROSION CONTROL DETAILS	Seal	Dwg. No.
Project Title	ALLVIEW AVENUE SUBDIVISION		SY4
Proj. No. 15–025(19)	Drawn by PAS		
Date 08/14/19	Scale AS NOTED		