

TOWNSHIP OF MILLBURN NOTES:

DRAWSTRING RUNNING THROUGH — [

N.T.S.

FABRIC ALONG TOP OF FENCE

#### STANDARD FOR STABILIZATION WITH MULCH ONLY

 $\label{thm:continuous} \mbox{To protect exposed soil surfaces from erosion damage and to reduce offsite environmental damage.}$ 

Provides temporary mechanical protection against wind or rainfall induced soil erosion until permanent vegetative cover may be

This practice is applicable to areas subject to erosion, where the season and other conditions may not be suitable for growing an erosion-resistant cover or where stabilization is needed for a short period until more suitable protection can be applied

A. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application, and mulch anchoring. All grading should be done in accordance with Standards for Land Grading B. Install needed erosion control practices or facilities such as diversions, grade stabilization structures, channel stabilization

C. Unrotted small-grain straw, at 2.0 to 2.5 tons per acre, is spread uniformly at 90 to 115 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District. The approved rates above have been met when the mulch covers the ground

C. Synthetic or organic soil stabilizers may be used under suitable conditions and in quantities as recommended by the

D. Wood-fiber or paper-fiber mulch at the rate of 1,500 pounds per acre (or according to the manufacturer's requirements) may

flowing water could wash them into an inlet and plug it.

G. Gravel, crushed stone, or slag at the rate of 9 cubic yards per 1,000 sq. ft. applied uniformly to a minimum depth of 3 inches

3. Mulch Anchoring - should be accomplished immediately after placement of hay or straw mulch to minimize loss by wind or water. This may be done by one of the following methods, depending upon the size of the area and steepness of slopes.

H. Peg and Twine - Drive 8 to 10 inch wooden pegs to within 2 to 3 inches of the soil surface every 4 feet in all directions. Stakes may be driven before or after applying mulch. Secure mulch to soil surface by stretching twine between pegs in a

criss-cross and a square pattern. Secure twine around each peg with two or more round turns. Mulch Nettings - Staple paper, cotton, or plastic nettings over mulch. Use degradable netting in areas to be mowed. Netting

J. Crimper Mulch Anchoring Coulter Tool - A tractor-drawn implement especially designed to punch and anchor mulch into the soil surface. This practice affords maximum erosion control, but its use is limited to those slopes upon which the tractor can operate safely. Soil penetration should be about 3 to 4 inches. On sloping land, the operation should be on the contour.

## 4. Applications should be heavier at edges where wind catches the mulch, in valleys, and at crests of banks. Remainder of area

a. Organic and Vegetable Based Binders - Naturally occurring, powder based, hydrophilic materials that mixed with water formulates a gel and when applied to mulch under satisfactory curing conditions will form membrane networks of insoluble polymers. The vegetable gel shall be physiologically harmless and not result in a phyto-toxic effect or impede growth of turfgrass. Vegetable based gels shall be applied at rates and weather conditions recommended

b. Synthetic Binders - High polymer synthetic emulsion, miscible with water when diluted and following application to mulch, drying and curing shall no longer be soluble or dispersible in water. It shall be applied at rates and weather conditions recommended by the manufacturer and remain tacky until germination of gras

All soil erosion and sediment control practices on this plan will be constructed in accordance with the 7th Edition last revised January 2014. These measures will be installed prior to any major soil disturbance or in their proper sequence and maintained until permanent

2. All soil to be exposed or stockpiled for a period of greater than 14 days, and not under active construction, will be temporarily seeded and hay mulched or otherwise provided with vegetative cover. This temporary cover shall be maintained until such time whereby permanent

<u>Seeding Dates:</u> The following seeding dates are best recommended to establish permanent vegetative cover within most locations in the HEPSCD: <u>Spring - 3/1-5/15</u> and <u>Fall - 8/15 - 10/1</u>

HUDSON-ESSEX-PASSAIC COUNTY SOIL CONSERVATION DISTRICT: SOIL EROSION AND SEDIMENT CONTROL

4. Sediment fences are to be properly trenched and maintained until permanent vegetative cover is established

5. All storm drainage inlets shall be protected by one of the practices accepted in the Standards, and protection shall remain until permanent stabilization has been established. Storm drainage outlet points shall be protected as required before they become functional.

Mulch materials shall be un-rotted small grain straw applied at the rate of 70 to 90 pounds per 1,000 square feet and anchored with a mulch anchoring tool, liquid mulch binders, or netting tie down. Other suitable materials may be used if approved by the Soil Conservation District. 7. All erosion control devices shall be periodically inspected, maintained and corrected by the contractor. Any damage incurred by erosion

8. The Hudson-Essex-Passaic Soil Conservation District will be notified in writing at least 48 hours prior to any soil disturbing activities. Fax-(973) 364-0784 OR email - INFORMATION@HEPSCD.ORG

9. The applicant must obtain a District issued Report-of-Compliance prior to applying for the Certificate of Occupancy or Temporary Certificate of Occupancy from the respective municipality, NJ - DCA or any other controlling agency. Contact the District at 973-364-0786 to request a Final Inspection, giving advanced notice upon completion of the restabilization measures. A performance deposit may be posted with the District when winter weather or snow cover prohibits the proper application of seed, mulch, fertilizer or

properly designed and functioning sediment basin. Water pumped out of the excavated areas contains sediments that must be removed prior to discharging to receiving bodies of water using removable pumping stations, sump pits, portable sedimentation tanks and/or silt

10. Paved roadways must be kept clean at all times. Do not utilize a fire or garden hose to clean roads unless the runoff is directed to a

11. All surfaces having lawn or landscaping as final cover are to be provided topsoil prior to re-seeding, sodding or planting. A depth of 5 inches

12. All plan revisions must be submitted to the District for proper review and approval.

applicant's engineer and be approved by the Soil Conservation District.

13. A crushed stone wheel cleaning tracking-pad is to be installed at all site exits using 2 ½ -1"crushed angular stone (ASTM 2 or 3) to a

minimum length of 50 feet and minimum depth of 6". All driveways must be provided with crushed stone until paving is complete. 14. Steep slopes incurring disturbance may require additional stabilization measures. These "special" measures shall be designed by the

The Hudson-Essex-Passaic Soil Conservation District shall be notified, in writing, for the sale of any portion of the project or for the sale of individual lots. New owners' information shall be provided. Additional measures deemed necessary by District

officials shall be implemented as conditions warrant.

#### 16. SEQUENCE OF CONSTRUCTION

1. Install Sediment Control Fence, Vehicle Tracking Pad and Tree Protection Demolish existing house

3. Rough Grade Property 4. Construct new building(s) as applicable

5. Finalize Grading of Property & install Temporary Stabilization 6. Construct walks, patios & driveway curbing

7. Remove Vehicle Tracking Pad & Pave Driveways 8. Install Permanent Stabilization

9. Remove Sediment Control Fence

16 Weeks 1 Week 3 Weeks 3 Days 1 Week

3 Days

3 Weeks

1 Week

#### TEMPORARY VEGETATIVE STABILIZATION GRASSES, SEEDING RATES, DATES AND DEPTHS

SEED SELECTIONS	SEEDING RATE (1) (pounds)		OPTIMUM SEEDING DATE (2) based on Plant Hardiness Zone			OPTIMUM SEEDING DEPTH (3)
	Per Acre	Per 1000 Sq. Ft.	ZONE 5b, 6s	ZONE 6b	ZONE 7a, 7b	(inches)
COOL SEASON GRASSES						
PERENNIAL RYEGRASS	40	1.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	0.5
SPRING OATS	86	2.0	3/15-6/1 8/1-9/15	3/1-5/15 8/15-10/1	2/15-5/1 8/15-10/15	1.0
WINTER BARLEY	96	2.2	8/1-9/15	8/15-10/1	8/15-10/15	1.0
WINTER CEREAL RYE	112	2.8	8/1-11/1	8/1-11/15	8/1-12/15	1.0
WARM SEASON GRASSES						
PEARL MILLET	20	0.5	6/1-8/1	5/15-8/15	5/1-9/1	1.0
MILLET(GERMAN OR HUNGARIAN)	30	0.7	6/1-8/1	5/15-8/15	5/1-9/1	1.0
WEEPING LOVEGRASS	5	0.2	6/1-8/1	5/15-8/15	5/1-9/1	0.25

PERMANENT VEGETATIVE COVER

APPLICATION	SEED SELECTIONS	SEEDING RATE (pounds/Acre)	LIMESTONE (tons/Acre)	FERTILIZER (lbs/Acre)	OPTIMUM SEEDING DATES	
RESIDENTIAL/COMMERCIAL LOTS	TURF TYPE TALL FESCUE	150	2	50 10-20-10	3/1-4/30 & 8/15-11/15	
DRAINAGE DITCHES	REED CANARY GRASS	25	2	50 40 00 40	2/4 4/20 8 2/45 44/45	
SWALES AND DETENTION BASINS	KENTUCKY BLUEGRASS	60		50 10-20-10	3/1-4/30 & 8/15-11/15	

SEEDING RATE FOR WARM GRASS, SELECTION 5-7 SHALL BE ADJUSTED TO REFLECT THE AMOUNT OF PURE LINE SEED (PLS) AS

3. TWICE THE DEPTH FOR SANDY SOILS

## POOL NOTES

1. Proposed Pool as per Clients Request, February 9, 2015.

2. The proposed swimming pool is to meet all Municipal, State & Federal ordinances, codes and

3. See Pool Contractor's Plans for all Pool & Filter details See Pool Contractor's and/or Landscape plans and/or Architects plans for patio, pool surround, walk

and fence details / dimensions. 4. All outdoor mechanical equipment for the proposed pool must be located a minimum of 36' from all side

or rear property lines OR within 5' of the principal structure and located wholly within the rear yard.

5. The proposed swimming pool is to be enclosed by a non-climbable fence with a self closing/latching gate and child-proof gate latch, which shall be latched at all times when the swimming pool is not attended. Fence is to be a minimum of 4' and a maximum of 6' in height.

## PLOT PLAN NOTES

GENERAL NOTES

1. Proposed house taken from architectural plans prepared by JSK Architecture of Springfield, New Jersey, received electronically on 01-19-2015.

2. Zoning compliance is shown on separate "Township of Millburn Building & Zoning Department Zoning

3. Building compliance with all applicable zoning and building code requirements including building height is the responsibility of the architect.

1. This plan is intended to satisfy the minimum requirements of the Township of Millburn's "Soil Erosion Control Regulations" as outlined in Chapter 17 of the Municipal Ordinance Code.

2. This plan is not intended to mitigate or remediate existing drainage problems that may exist prior to construction. To mitigate both existing problems and future problems as a result of the proposed development, this plan must be part of a comprehensive grading plan which must be properly executed in the field. This plan may be expanded to address such drainage issues at the client's request under

3. Proper installation of subsurface drainage systems are critical to their operational success. Accordingly, unless separately and specifically retained to provide construction supervision and inspection, Casey & Keller's warranty is limited to and terminates upon approval of the plan by the Township of Millburn Building Department.

4. Declaration is made to the original purchaser of this plan and is not transferable to subsequent owners of this property or other properties. This plan and all copies remain the intellectual and physical property of Casey & Keller, Inc.

## SURVEY NOTES

1. PQ being Lot 19, Block 3604, Township of Millburn Tax Maps

2. Lot Area = 21,258 sq.ft. or 0.488 acres

separate proposal & contract.

3. Survey was based upon information provided and may be subject to such information as a current and accurate title search may disclose. Accuracy of boundary information including easements and restrictive covenants is limited to accuracy

4. Elevations are based upon an assumed datum.

5. A written Wavier and Direction Not to Set Corner Markers has been obtained from the ultimate user pursuant to P.L. 2003, c. 14 (N.J.S.A. 45:8-36.3) and N.J.A.C. 13:40-5.1(d).

of survey and such information as a current and accurate title search may disclose.

6. All utility information shown hereon is approximate based upon surface structures clearly visible on the date of field survey. Location of underground utilities/structures may vary from the location shown hereon. Additional buried utilities/structures may exist. All subsurface utility locations should be field verified and marked by the appropriate utility authority prior to excavation/construction. Any deviation in

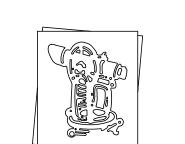
the location of utilities should be reported to the Surveyor and Engineer prior to construction. 7. Environmental and subsurface conditions were not examined as a part of this project.

#### LAND TITLE SURVEY & GRADING PLAN

40 SPENSER DRIVE TAX LOT 19 BLOCK 3604

TOWNSHIP OF MILLBURN

ESSEX COUNTY, NJ



# LICENSED PROFESSIONAL

NJ State Board of Professional Engineers & Land Surveyors Certificate of Authorization # 24GA27985400

CIVIL ENGINEERS LAND SURVEYORS PLANNERS

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MICHAEL T. LANZAFAMA



REVISIONS DWG.NO. CAD FIELD BOOK 1141208 1"= 20'