

jin.

4479

EAS STANDARD NOTES

TOORPILE HERONTS MUST NOT EXCEED 35 FEET; STOORPILE SLOPES MUST NOT EXCEED 2:1.

HE OPERATOR/RESPONSIBLE PERSON (O/PR) ON SITE SHALL ASSURE THAT THE APPROVED EROSION AND SEDUMENTATION CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.

BAMEDIATELY UPON DISCOVERING UNFORESTEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENTATION POLLUTION, THE O/RP SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENTATION POLLUTION.

THE O/RP SHALL INSUPE THAT AN EROSION AND SEDMENTATION CONTROL PLAN HAS BEEN PREPARED. APPROVED BY THE , COUNTY CONSERVATION DISTRICT, AND IS BEEN IMPLEMENTED AND MAINTAINED FOR ALL SOL AND/OR ROCK SPOL AND BORROW AREAS RECARDLESS OF THEIR LOCATIONS.

ALL PUMPING OD SEDMENT-LADEN WATER SHALL BE THROUGH A SEDMENTATION CONTROL BMP SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER UNDISTURBED AREAS

A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN MUST BE AVAILABLE ON THE PROJECT

STE AT ALL THES EROSION AND SEDMENTATION BUPS WUST BE CONSTRUCTED, STADILIZED AND FUNCTIONAL BEFORE SITE DISTURBANCE BECINS WITHIN THE TRIBUTARY AREAS OF THOSE DUPS.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHEVED, TEMPORARY EROSION AND SEDMENTATION BAP CONTROLS MUST BE REMOVED. AREAS DISTURBED DURBHG REMOVAL OF THE BAPS MUST BE STABILIZED BAREDIATELY.

AT LEAST SEVEN DAYS BEFORE STARTING ANT EARTH DISTURBANCE ACTIVITY, THE O/RP SHALL INVITE CONTRACTORS INVOLVED IN THAT ACTIVITY, THE LANDOWNER, ALL APPROPRIATE MANOPAL OFTICALS, THE EROSTON AND SEDMENTATION CONTROL PLAN PREPARER AND THE '... COUNTY CONSERVATION DISTINCT TO PRE-CONSTRUCTION MEETING ALSO, AT LEAST THREE DAYS BEFORE STARTING ANY LARTH DISTURBANCE ACTIVITY, ALL CONTRACTORS INVOLVED IN THAT ACTIVITY SHALL MOTEY THE PA ONE-CALL SYSTEM, NG AT 1-BOO-242-1778 TO DETERMINE ANY UNDERGROUND UTLITES LOCATION.

MANEDIA TELY AFTER EARTH DISTURBANCE CEASES. THE O/RP SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITY. OLANING MON-GERMINATING PERIODS, MILCH MUST BE APPLED AT SPECIFIED RATES DISTURBED AREAS THAT ARE NOT AT THUSHED GRADE AND WHICH MILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH TEMPORARY VECETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS THAT ANE AT THAS GRADE OR WHICH WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE MITH PERMAMENT VECETATIVE STABILIZATION SPECIFICATIONS.

AN' AREA SHALL BE CONSIDERED TO HAVE ACHEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNFORM TO PROCENT VECTATIVE OR OTHER PERMANENT NON-VECETATIVE COVER WITH A DEVISITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SUDING AND OTHER MOVED SUFFICIENTS

UPON INSTALLATION OF TEMPORARY SEDIMENT BASIN RISER(S), AN IMMEDIATE INSPECTION OF THE RISER(S) SHALL BE CONDUCTED BY A CUMUNED SITE REPRESENTATIVE, INHERCUPON THE " "OUNTY CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING THAT THE RISER(S) IS SEALED (IMATERTIONT)

AT STEAM CROSSINGS A 50 FOOT BUFTER SHALL BE MAINTAINED. ON BUFTERS, CLEARINGS, SOD DISTURBANCES AND EXCAVATIONS, EQUIPMENT TRAFTIC SHOULD BE HIMMAZED, ACTIVITY SUCH AS STACING LOGS, BURDING CLEARED BRUSH, DISCHARCHING RANNWATCH FROM TRENCHES, WELDING PUE SECTIONS, REFUELING AND MAINTAINING EQUIPMENT SHOULD BE AVOIDED WITHIN BUFTER ZONES.

UNTEL A STE & STABILIZED, ALL EROSION AND SEDEMENTATION BUPS MUST BE WANTAMED PROPERLY. WANTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION CONTROL BUPS ATTER EACH RUNOTF EVENT AND ON A NEERLY BASS ALL PREVENTING AND REMEDIAL WANTENANCE WORK, MCLUDING GLENNOLT, REFAR A REFLACEMENT, RE-ORADING, RE-SEDING, RE-MALOUNG, AND RE-METTING MUST BE PERFORMED AS EXPECTED, REFLACEMENT, BUPS, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.

STIMENT REMOVAL FROM BUPS SHALL BE DISPOSED OF ON-SITE IN LANDSCAPED AREAS OUTSIDE OF SITEP SCOPES, INETLANDS, FLOCOPLANS OR DRAMAGE SINULES AND HAMEDIATELY STABILIED OR PLACED IN SOL STOCKPILES AND STABILIZED.

ALL BURLONG MATERIAL AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR RECYCLED IN ACCORDANCE WITH DEP'S SOLD WASTE RECULATIONS (25 PA CODE 260.1 ET SEG., 27),1 ET SEG., AND 207,1 ET SEG., AND/OR ANY ADDITIONAL LOCAL, STATE OR FEDERAL RECULATIONS. NO BURLONG MATERIALS (USED OR UNISED) OR WASTES MATERIALS SHALL BE BURNED, BURNED, DUMPED OR DISCHARGED ON STE

IL SYSTEM

1-800-242-1776

STOP-CAL

DETAL

SEEDING SPECIFICATIONS

EMPORARY SEEDING

LINE 190 LBS/1000 SF LINE THU LINS/TOKO ST GROUND LINESTONE INCORPORATED 4 INCHES INTO SOL TERTILIZEE 25 LISS/1000 ST 10-20-20 INCORPORATED 4 INCHES INTO SOL 10-20-20 INCORPORA SETD: 1.0 LBS/1000 SF ANNUAL RYEGRASS WUL CHE 140 LBS/1000 SF STRAW WARCH IMMUNIA STANDARD FOR LINESTONE AND FERTULIZER IMMUNIA STANDARD FOR LINESTONE AND FERTULIZER IMMUNIA BANDARD AF A RATE OF I TON PER AORE TORTILIZER SHALL BE APPLIED AT A RATE OF MITRITE NITHOODE JO LBS/AORE AVERAGE PHOSPHOROUS IDU LBS/AORE AVERAGE POTASSIME 120 LBS/AORE AVERAGE

AND MANENT STEDING

LANE 190 LES/1000 ST CORPORATED & INCHES INTO SOL. GROUND LANESTONE MUNICIPARIE & MORES WITH SOL FRITULIER 25 LBS/ADD SS & NOHES WITH SOL ID-20-20 NICOPPORATED & NOHES WITH SOL SEEDING LAWN AND NOHED AREAS KENTIVOKY BLUEDRASS 30 LBS/AC REDTON 3 LBS/AC PEREMIAL RIEGRASS 20 LBS/AC TOTAL SEEDING = 53 LBS/AC 06

REDINGANNA-FINE PESCUE 40 LBS/AC REDTOP 3 LBS/AC PERDINAL RYEORASS 20 LBS/AC TOTAL SEEDING = 63 LBS/AC

SLOPES OR UNMONED AREAS ORONN VETCH 25 LBS/AC PERCHNULL RIEGRASS 25 LBS/AC

TOTAL SEEDING = 50 LBS/AC

PLANTING DATE: WARCH IST TO MAY ISTH, AND AUGUST ISTH TO OCTOBER IST. MULCH: STRAW AT A RATE OF 140 LBS/1000 SF. MULCH SHALL BE SECURED BY APPROVED METHODS.

PA ONE CALL TO BE MADE BY THE CONTRACTOR PRICE TO THE START OF CONSTRUCTION. CONSTRUCTION SEQUENCE . MORE CALL TO BE MADE BT THE CONTRACTOR FIDUR TO THE START OF CONSTRUCT MODECT EROSION AND SEDIMENTATION CONTROLS DAILY ESPECIALLY AFTER HEAVY

- STURDES. REPLACE AND OR REPAR EROSION AND SEEMENTATION CONTROLS AS NECESSARY.
- I. NOTHEY TOWNSHIP, TOWNSHIP ENGINEER AND COUNTY CONSERVATION DISTRICT THREE (J) WORKING DATS PRICE TO START OF CONSTRUCTION
- 2. INSTALL SEDMENT BARRERS AND CONSTRUCTION ENTRANCE AS SHOWN IN PLAN WEW
- 3. CLEAR AND GRUB PROPOSED CONSTRUCTION AREA OF EXISTING VEGETATION. STRUP TOPSOL AND STOCKPILE.
- 4. GRADE REMAINING PORTIONS OF LOT WHICH ARE NECESSARY TO FACILITATE CONSTRUCTION.
- S. CONSTRUCT PROPOSED STRUCTURES AND APPURTENAMOES.
- 6. COMPLETE OTHER SITE IMPROVEMENTS.
- FINAL GRADE ALL DEHVIDED AREAS AND SPREAD STOCKPILED TOPSON AT MINIMUM OF 8 MINEDIATELY STABLE ALL DENVIDED AREAS TO REESTABLISH VEGETATION.
- 8. UPON RE-ESTABLISHMENT OF ALL DENUDED AREAS, REMOVE EROSION AND SEDMICHTATION CONTROLS
- 9. RAMEDIATELY RE-STABLIZE ANY RE-DISTURGED AREAS

* IF THE EXISTING DRIVEWAY WILL BE USED AS THE CONSTRUCTION ENTRANCE, THE STABILIZED ROOK CONSTRUCTION ENTRANCE MAY BE OMITTED, ALL DIRT AND MUD MUST BE REMOVED FROM VENICES PRIOR TO ENTRY ONTO A PUBLIC CARTHAY, FALLER TO DO SO MAY RESULT IN DIRECTION FROM THE TOWNSHIP TO INSTALL THE STABILIZED ROOK CONSTRUCTION ENTRANCE TO ITS PROPOSED OR FULL LENGTH, WHATEVER IS REQUIRED TO ALLEVATE THE STUATION, THE HOMEOMMER CONTRACTOR SHALL MANTAN THE DRIVEWAY ALLEVATE THE STUATION, THE HOMEOMMER CONTRACTOR SHALL MANTAN THE DRIVEWAY OWNING THE PROJECT TO PREVENT SOL FROM BEING TRACKED ONTO THE PUBLIC ROADMAN



· MOUNTABLE BORN USED TO PROVIDE PROPER CONDI FOR PAPE

SHEE

REMOVE TOPPELL PRIOR TO INSTALLABER OF BOCK CONSTRUCTION EXTRANCE. EXTENS ADDX OVER FULL NEETH OF EXTRANCE.

RUMOY SHALL BE DIVERTED FROM READINGY TO A SUITABLE SEDMENT REMOVAL BUP PROF TO DITEMING ROCK CONSTRUCTION DITEMANCE.

MOUNTABLE BOTH BHALL BE INSTALLED INFORMAT OF TOMAL CLANDET PAPE IS USED AND PROPER PAPE CONCE AS SPECIFIED BY MANUFACTURES IS NOT OTHERNESS PROMOCED. PAPE BHALL BE SEED APPROPENTATILY FOR SEED OF DITOT BEND OTHERED.

MANTENANCE ROCK CONSTRUCTION DITRANCE THOORESS SHALL BE CONSTANTLY MARTANED IMANTENANCE. ROCK CONSTRUCTION DITRANCE THOORESS SHALL BE CONSTANTLY MARTANED ON SITE TO THE SPECTRED DEDITEDORS BY ADDEND ROCK A STOCOPEL SHALL BE RANNED AND FOR THE PARTOSE. ALL SEDENTE DIFORMETED OR FANDE DANDWAYS SHALL BE RANNED AND RETURNED TO THE CONSTRUCTION BITE MANDANDY. F DICESSIVE ANOLM'S O' BEDRENT ARE BENG DEPOSITED ON ROUGHTS HITO RANDWAY BITORES, STUDIED, MARKE BY ROADWAY OR SECTION IN CONSTRUCTION BIALLWARD OR HOTALL MASH RACK MARKED FE ROADWAY OR SECTION IN CONSTRUCTION BIALLWARD OR HOTALL MASH RACK MARKED FE CONSTRUCTION INC CONSTRUCTION BIAL CONSTRUCTION DITENTS, OR OTHER BERMARKE CONSTRUCTION BIAL CONSTRUCTION DITENTS, OR OTHER BERMARKE CONSTRUCTION BIAL CONSTRUCTION DITENTS, OR







a-1 ROOK

OUTLET_CROSS-SECTION

COD POSTS-

J l

-OPTICIAL & PL COMPOST LAYER FIRMLY ANCHORED

1 BUTO NO. 57

OR FILTER FARRE

UP-SLOPE FACE

A ROCK FR. TOX OUTLET SHALL BE INSTALLED INHERE FALLINE OF A SILT PENCE OF STRAW LALE BANNER HAS OCCUPIED OUE TO CONCOMPLATED FLOW, ANCHORED COMPOST LAYOR HALL BE UNED ON UPSLOPE FACE IN HIG AND EV WATERSHEDS.











FARME BULL HAVE THE LODGEN PROPERTIES AS INCOME IN TABLE 4.3 OF THE PA OUP GROUND CONTROL MANUAL

FAREC WOTH SHALL BE 30 BL MINIMAL STAKES SHALL BE HARDHOOD OR EQUIVALENT STEEL (U or 1) Stakes.

SET FORCE SHALL BE RUACED AT LEVEL DISTING GRADE, BOTH DIDS OF THE FORCE SHALL BE EXTENDED AT LEAST & FIET UP SLOPE AT 48 DECREES TO THE MAIN FORCE ALIGNMENT.

REDMENT SHALL BE REMOVED WHEN ACCUMULATENE REACH WALF THE ABOVE GROUND HE

ANY SECTION OF SLT FERCE WHICH HAS BEEN UNDERWINED OR TOPPED SHALL BE MANERATELY Replaced with a rock filter outlet (standard construction getae, § 4-6).

FORCE SHALL BE READING AND PROPERLY DEPOSED OF WHEN THENTARY AND A IS FO





FILTER BAG DETTAL





HOTES

1) TREHCH - 3' DEEP, 6 WIDE X 33' LONG

1408 SF X 2" PAULFALL/12/.4 YOIDS = 586,75 CU, FT 58675/6:97,8CF 920/3" * PROPERTY OWNER TO SIGH A 2) FEHRE TO HEET THE REQUIREMENTS OF PA UNIFORM CONST. CODE AS MENTED 2015 INTERNATIONAL CODE 3) PROVISION OF DRAWAGE OF FOOD AND BACKWASH WATER DISPOSAL TO HEET THE REQUIRENTS OF THE DEPT. OF HEALTH, WATER SHALL BE ENDIED OUTO FUBLIC ROADS OR ADJOINING LANDS OR INTO THE PUBLIC SMITTARY SYSTEM 4) EXISTING UTILITIES TO BE VERIFIED BEFORE CONSTRUCTION, IF ACCESS IS REQUIRED TO TRAVERSE EXISTING UTILITY LINES, ADEQUATE MEASURES FOR PROTECTION SHALL BE PROVIDED 5) UTKITY ' LIST

· PECO EHERGY 1-800 841-4141

· BUCKS COUNTY WATER & SEWER AUTHORITY 215 - B43-2538

· ALERICAL WATER 1.800 565-7292

· HALFTS TO BE HISTALLED AT BOTH ENDS TO ALLOW ACCESS TO THE PERFORATED PIPES

, GEOTEXTILE MATE TO BE HSTALLED ALL SIDES, TOP, E BOTTOM

WATER FLOW TO BE DIRECTED TO TRENCH

- MH 12 SUMP AT BOTTOM THAT WILL ACT AS A SEDIMENTATION TRAP TO PREVENT THE DISTRIBUTION PIPE FIRM CLOGGINS WITH SEDIMELT

OIN AGREEINENT FOR THE STORMWATER FACILITY

SHEET DETAL

SHEF WHITESIDE

Impervious Surface Breakdown Calculation

updated: 3/22/2021

Address:		927 piper			
18,121	S.F.	Lot Size (to convert acres to square feet, multiply by 43,5	560 S.F.)		
IMPERVIOUS SURFACE		Surfaces which do not absorb water, including all buildings and paved or hard surfaces. In addition, other areas determined by the Township Engineer to be impervious within the meaning of this definition shall also be classified as impervious. For purposes of this definition, that area of a swimming pool located inside the coping shall not be classified as impervious.			
2,711	S.F.	House Size			
1,030	S.F.	Driveway			
470	S.F.	Walkways			
	S.F.	Patios			
	<u>S.F.</u>	Accessory structures (sheds, detached garages)			
4,211	S.F.	Total Existing Impervious Surface			
IMPERVIOUS SURFACE RATIO		The total area of all impervious surfaces within a lot divided by	the gross lot area.		
23.2%		Existing Impervious Surface Ratio			
4,211 459	S.F. S.F. S.F.	Total Existing Impervious Surface Proposed Impervious Surfaces to be constructed Impervious Surface to be removed			
4,670	S.F.	Total Proposed Impervious Surface			
25.8%		Proposed Impervious Surface Ratio			

Stormwater Management Small Project Volume Control < 5,000 S.F. of New Impervious Surfaces

Step 1

<u>Appendix I</u>

459 S.F. Impervious Surface Area to be controlled to mitigate

Step 2

77 C.F.	Required Control Volume: (ISA in S.F. x 2 inches runoff)/12 inches			
Step 3	For Step 3, you need to select a Best Management Practice technique from Appendix I and provide a calculation that demonstrates this requirement is met. This can consist of structural measures such as an infiltration trench, dry well or rain garden, or non-structural measures such as tree planting, preservation or minimization of soil compaction.			
Stone infiltration trench facility (Volume of Facility = Depth x Width x Length):				
3 Feet	Set Depth of trench and determine required surface area of trench.			
6 Feet	Width of the trench should be greater than 2 times its depth (2 x D)			
33 Feet	Set Trench Length			
238 C.F.	Trench Volume = Depth x Length x Width x 40% voids in stone			
Determine the number of tree plantings:				
Trees	A newly planted deciduous tree can reduce runoff volume by 6 cu. ft.			
Trees	A newly planted evergreen tree can reduce runoff volume by 10 cu. ft.			
0 C.F.	Runoff Volume for trees planted			
Calculate the volume reduction credit by preserving existing trees:				
S.F.	Approximate Area of Trees within 20 feet of impervious cover:			
0 C.F.	Volume Reduction = (Existing Tree Canopy sq. ft. x 1 inch)/12			
S.F.	Approximate Area of Trees > 20 feet and within 100 feet of impervious cover:			
0 C.F.	Volume Reduction = (Existing Tree Canopy sq. ft. x 0.5 inch)/12			
238 C.F.	Total Runoff Volume Controlled			
Redo i	f Total Runoff Volume Controlled < Required Control Volume			

1-11-24 FILED

Impervious Surface Breakdown Calculation

Address:

updated: 3/22/2021

927 PIPER LANE YARDLEY

	S.F.	Lot Size (to convert acres to square feet, multiply by 43,560 S.F.)		
IMPERVIOUS SURFACE		Surfaces which do not absorb water, including all buildings and paved or hard surfaces. In addition, other areas determined by the Township Engineer to be impervious within the meaning of this definition shall also be classified as impervious. For purposes of this definition, that area of a swimming pool located inside the coping shall not be classified as impervious.		
2711	S.F.	House Size		
1030	S.F.	Driveway		
470	S.F.	Walkways		
	S.F.	Patios		
	<u>S.F.</u>	Accessory structures (sheds, detached garages)		
4211	0 S.F.	Total Existing Impervious Surface		
IMPERVIOUS SURFACE RATIO	0	The total area of all impervious surfaces within a lot divided by the gross lot area.		
230	2	Existing Impervious Surface Ratio		
459	0 S.F. S.F. <u>S.F.</u>	Total Existing Impervious Surface Proposed Impervious Surfaces to be constructed Impervious Surface to be removed		
4670	2 SF.	Total Proposed Impervious Surface		
25.8		Proposed Impervious Surface Ratio		