

| SWM INFILTRATION RATES | | | | | |
|------------------------|---------------|--------------|---------------|-------------------------------------|-------------------------------|
| | LOT NUMBER | TEST DATE | PERC DEPTH | BOTTOM OF PERC TEST ELEVATION | AVERAGE RATE (inch/hour |
| | 2 | 14-Aug-06 | 60" | 320 | 4.92 |
| | 3 | 14-Aug-06 | 60" | 323 | 0.5 |

PENNSYLVANIA ONE CALL SYSTEMS INC. NOTICE

ACT 187 SERIAL NUMBER: 0376222

E. B. WALSH & ASSOCIATES, INC. DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY LINES, STRUCTURES, ETC. SHOWN ON THE PLANS, NOR DOES E. B. WALSH & ASSOC., INC. GUARANTEE THAT ALL SUBSURFACE UTILITY LINES, STRUCTURES, ETC. ARE SHOWN. CONTRACTOR SHALL VERIFY THE LOCATION AND FLEVATIONS OF ALL SUBSURFACE UTILITY LINES. STRUCTURES, ETC. BEFORE THE START OF WORK, BY CALLING THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776.

UTILITIES NOTIFIED TEXAS EASTERN TRANSMISSION 560 POTTSTOWN PIKE PO BOX 420 PHONE: (610) 458-1710 FAX: (610) 458-1750

CELL: (610) 715-8469 AREA SUPERVISOR MARSHALL A. BINGHAM PHONE: (610) 458-1712 AREA MANAGER VILLIAM QUINN

PHONE: (610) 458-1711

PO BOX 351 COATESVILLE, PA. 19320 LEE MCGARRITY PHONE: (610) 466-1509 PECO ENERGY C/O STS INC 3628 HORIZON DR KING OF PRUSSIA, PA. 19406 OFFICE PERSONNEL PHONE: (800) 494-4000 PHILADELPHIA, PA. 19107

PHONE: (215) 351-894

3. EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE GENERAL SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE

NO TOPSOIL SHALL BE REMOVED FROM THE SITE OR USED AS SPOIL. TOPSOIL SHALL BE REMOVED FROM AREAS OF CONSTRUCTION AND STORED SEPARATELY FROM OTHER EXCAVATED MATERIALS. UPON COMPLETION OF CONSTRUCTION, THE TOPSOIL SHALL BE REDISTRIBUTED ALL SLOPES 3:1 OR GREATER SHALL BE PROTECTED WITH EROSION CONTROL BLANKET (ECB).

ALL SLOPES 3:1 OR STEEPER WILL UTILIZE EROSION CONTROL BLANKET (ECB). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THIS PURPOSE. IT SHALL SHOW THE COMPLIANCE ACTIONS AND THE DATE. TIME AND NAME OF THE PERSON CONDUCTING THE INSPECTION. THE INSPECTION LOG WILL BE KEPT ON SITE AT ALL TIMES AND MADE AVAILABLE THE DISTRICT. ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING, MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED. WHERE BMP'S ARE FOUND TO FAIL TO ALLEVIATE EROSION OR SEDIMENT POLLUTION THE

PERMITTEE OR CO-PERMITTEE SHALL INCLUDE THE FOLLOWING INFORMATION: A. THE LOCATION AND SEVERITY OF THE BMP'S FAILURE AND ANY POLLUTION EVENTS. B. ALL STEPS TAKEN TO, REDUCE, ELIMINATE AND PREVENT THE RECURRENCE OF THE THE TIME FRAME TO CORRECT THE NON-COMPLIANCE, INCLUDING THE EXACT DATES WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE.

BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM HE CHESTER COUNTY CONSERVATION DISTRICT. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.

ALL PUMPING OF SEDIMENT LADEN WATER OR POTENTIALLY SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING

OVER NON-DISTURBED AREAS.

AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.

12. THE NPDES BOUNDARY IS EQUAL TO THE OUTER PERIMETER BOUNDARY OF THE SITE, AND ANY OFF-SITE AREAS WITHIN THE LIMITS OF DISTURBANCE THAT ARE THE RESPONSIBILITY OF THE DEVELOPER TO INSTALL, INCLUDING OFF-SITE FACILITIES SUCH AS UTILITIES AND ROADWAY

CONSTRUCTION MAINTENANCE: ALL SEDIMENTATION CONTROL FACILITIES AND DRAINAGE SWALES SHALL REMAIN IN OPERABLE CONDITION DURING CONSTRUCTION AND INSPECTED AND REPAIRED AFTER EACH STORM.

13. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

2. ALL SEDIMENT TRAPS, FENCES AND BASINS SHALL BE CLEANED OUT WHEN THE SEDIMENT REACHES THE CLEAN-OUT

STOCKPILES OF CRUSHED AGGREGATE AND HAYBALES SHALL BE PROVIDED FOR USE AS EMERGENCY/TEMPORARY EROSION CONTROL WORK.

CONTRACTOR SHALL ADHERE TO THE "EROSION AND SEDIMENT POLLUTION CONTROL MANUAL" OF MARCH 2000 OF THE PA DEPT OF ENVIRONMENTAL PROTECTION.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED. MAINTENANCE MUST INCLUDE INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH STORM EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK INCLUDING CLEAN OUT, REPAIR, REGRADING, REPLACEMENT, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY.

EMBANKEMENT CONSTRUCTION / STORMWATER MANAGEMENT BERMS MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL BE FREE OF BOULDERS, ROOTS, BRUSH AND OTHER ORGANIC MATERIAL. FROZEN OR SATURATED MATERIAL SHALL NOT BE USED.

2. COMPACTION EFFORT AND MOISTURE CONTROL SHALL BE SUFFICIENT TO COMPACT THE SOIL TO 95% OF AASHTO T-99 MAX. DENSITY. (ASTM D-698 EQUIVALENCY) SITE STABILIZATION:

AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON—GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS. AREAS UTILIZING VEGETATIVE STABILIZATION MUST BE SEEDED OR PLANTED IN SUFFICIENT TIME TO GERMINATE BY OCT. 15TH OF EACH YEAR.

PREPARATION:

PERMANENT SEEDING

PREPARATION:

SEED MIX:

LIME: 40 LBS/1000 SQ.FT. SEED MIX: ANNUAL RYE GRASS: 9 LBS/1000 SQ.FT. HAY OR MULCH: 3 TONS/ACRE

FERTILIZER (10-20-10) 14 LBS/1000 SQ.FT. ANNUAL RYE GRASS: 9 LBS/1000 SQ.FT. PERENNIAL RYE GRASS: 2.4 LBS/1000 SQ.FT.

8/26/11

5/25/07

3/1/07

IO. | DATE

FINAL PLAN

IRFVISION

AS PER TWP & CCCD REVIEW

CREEPING RED FESCUE: 1.8 LBS/1000 SQ.FT. KENTUCKY BLUEGRASS: 1.8 LBS/1000 SQ.FT. HAY OR MULCH: 3 TONS/ACRE

SEEDING FOR CRITICAL AREAS: ON CUT SLOPES GREATER THAN 2:1 AND FILL SLOPES GREATER

THAN 3:1, NETTING SHALL BE USED TO HOLD MULCH IN PLACE. 2. HYDROMULCH MUST BE APPLIED AT THE RATE OF AT LEAST 3.0 TONS PER ACRE. HYDROMULCH USED AS A TACKER SHALL BE APPLIED AT THE RATE OF 750 LBS PER ACRE.

SOILS CLASSIFICATION:

1"=50'

<u>SITE GEOLOGY:</u> Pre-Cambrian graphite gneiss (Pickerina Gneiss) and marble as there is no evidence to the contrary, groundwater flow is assumed to run parallel with

Piedmont Upland Section of the Piedmont Physiographic Province topography.

LIMIT OF EARTH

GEORGE E. & MARIANNE E. IRWIN

-- 1-091 St. Matthews Road

Deed Book U54 Page 411

Tax Parcel# 25-7-49

GRAPHIC SCALE

DISTURBANCE

3.33 ACRES

Characteristics Slopes 3 to 8%

Suitability Features that affect Engineering Practices Depth to Depth Landscaping ; |Capablity| Winter Ponds/ Residential Residential and Lawns Hydrologic & Development at Homesites Group Seasonal to Unit Resolu Grading | Reservoirs Water Bedrock lle-2 3-8' | Good | Good | Substratum | Permeability | Wetness GeC3 8 to 15% No IVe-2 Neshaminy very 8 to 25% ----| 4-8' | Good | Fair | ----- | -----NsD VIs-1 stony silt loam

WEST VINCENT TOWNSHIP

Exton, Pennsylvania 19341

Phone: (610) 903-0060

OWNER/APPLICANT:

NONWEALT REGISTERED PROFESSIONAL REV. PER TOWNSHIP ENGINEER REVIEW LETTER DATED 7/8/11 THEODORE JOSEPH GACOMIS DRIVEWAY LOCATION FOR LOTS 2 & 3 MOVED 75' WEST. ENGINEER ∖ NO. 031545-E /

FINAL EROSION AND SEDIMENTATION CONTROL

LOCATION MAP SCALE: 1"=800'

IT IS ANTICIPATED THAT CONSTRUCTION WILL COMMENCE IN SUMMER OF 2007 AND BE

COMPLETED WITHIN 12 MONTHS FROM STARTING DATE. THE FOLLOWING STEPS MUST BE

NOTE: AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE

CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE #1 ALONG ST MATTHEWS ROAD. INSTALL SILT BARRIER FENCING AND DIRT BAG WATERING FACILITIES. PROVIDE ORANGE CONSTRUCTION FENCING AROUND THE SANITARY SEWER BEDS.

2. INSTALL STORMSEWER RUN FROM INLET #1 TO FES #3. INSTALL TEMPORARY DIVERSION

SWALE/BERM #1. SEED AND STABILIZE DISTURBED AREA IMMEDIATELY. PLACE INLET

INSTALL SEDIMENT TRAPS #1 AND #2. INSTALL PERMANENT RISER STRUCTURES AND

CLEAN-OUT STAKES IN TRAPS. SEED, MULCH AND PLACE ECB ON BERMS AND

UPON INSTALLATION OF THE TEMPORARY SEDIMENT BASIN RISERS, AN IMMEDIATE

4. GRUB AREA FOR CONSTRUCTION OF DRIVEWAY FROM ENTRANCE TO STA 2+50. STRIP

5. INSTALL PERMANENT DRIVEWAY SIDE SWALE IN ACCORDANCE WITH ITS DETAILS.

SILT FENCE IF REQUIRED. PLACE DIRT BAG DE-WATERING FACILITIES.

MULCH AREA. PLACE EROSION CONTROL BLANKET WHERE REQUIRED.

AND MULCH ALL AREAS DISTURBED BY THE REMOVAL THEREOF.

CONSTRUCTION SEQUENCE FOR INDIVIDUAL HOUSE SITES:

3. IF WORKING ON LOT #2, INSTALL SWALE TO SEDIMENT TRAP, SEED AND MULCH

5. FINAL GRADE AROUND HOUSE, INSTALL DRIVEWAY, RE-SPREAD TOPSOIL, SEED AND

6. AFTER THE CONTRIBUTING DRAINAGE AREA TO THE BASIN AREA HAS A 75 PERCENT

INFILTRATION TRENCH. SEED AND MULCH AREAS DISTURBED BY CONSTRUCTION.

7. AFTER PERMANENT BASIN AND SITE HAS A 75 PERCENT UNIFORM COVERAGE, REMOVE ANY REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES. SEED

UNIFORM COVERAGE. A SITE INSPECTION AND APPROVAL BY THE CHESTER COUNTY

SEDIMENT TRAPS TO A POST-CONSTRUCTION SWM BASIN AND INFILTRATION TRENCH.

CONSERVATION DISTRICT SHALL BE PERFORMED PRIOR TO REMOVAL OR CONVERSION OF

CONVERT SEDIMENT TRAP TO PERMANENT BASIN AND INSTALL INFILTRATION TRENCH. SEE

CONSTRUCTION NOTES AND SPECIFICATIONS ON DRAWING #6 REGARDING INSTALATION OF

ATTACH SKIMMERS. PLACE WATERTIGHT SEAL OVER LOW FLOW ORIFICE IN RISERS. PLACE

EMBANKMENTS. PROVIDE SILT FENCING ACROSS ENTIRE DOWNSLOPE SECTION OF TRAPS

UNTIL THE TRAPS ARE FULLY STABILIZED. THE SEDIMENT TRAPS SHALL BE STABILIZED

AND FUNCTIONING PROPERLY PRIOR TO ANY FURTHER EARTH DISTURBANCE ACTIVITIES.

INSPECTION OF THE RISERS SHALL BE CONDUCTED BY A QUALIFIED SITE REPRESENTATIVE

AND THE CHESTER COUNTY CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING THAT

THE PROPER RISER IS INSTALLED AND SEALED, PER PLAN. SEDIMENT BASINS MUST BE

PROTECTED FROM UNAUTHORIZED ACTS OF THIRD PARTIES. INSTALL STONE INTERCEPTO

AND STOCKPILE TOPSOIL. GRADE DRIVEWAY. REMOVE WALL ALONG ST MATTHEWS ROAD

AND GRADE BACK EMBANKMENT FOR REQUIRED SIGHT LINE. INSTALL STONE BASE ON

FIRST 250 FEET OF COMMON DRIVEWAY. PLACE ECB ON ALL NEWLY GRADED SLOPES.

IMMEDIATELY STABILIZE DRIVEWAY SIDE SWALE WITH EROSION CONTROL BLANKET ECP-2

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE #2 FOR HOME SITES. INSTALL ADDITIONAL

DISTURBED AREA AND APPLY ECB IN SWALE. IF WORKING ON LOT #3, INSTALL INLET #2

4. BEGIN CÖNSTRUCTION OF HOUSE. INSTALL UTILITIES. SEED AND MULCH DISTURBED AREA

2. CLEAR AND GRUB AREA FOR CONSTRUCTION OF HOUSE AND UTILITIES. STRIP TOPSOIL AND STOCKPILE. APPLY TEMPORARY SEED AND MULCH TO TOPSOIL. PROVIDE SILT FENCE

DELINEATE THE LIMITS OF DISTURBANCE IN THE FIELD WITH ORANGE CONSTRUCTION

A COPY OF THE EROSION AND SEDIMENTATION CONTROL PLAN DRAWINGS 6, 7, AND 8

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE

OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE

ANDOWNER, ALL APPROPRIATE MUNICIPAL, THE EROSION AND SEDIMENTATION

CONTROL PLAN PREPARER, AND A REPRESENTATIVE OF THE CHESTER COUNTY

FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING

STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE

A. LOCATE AND MARK UNDERGROUND UTILITIES IN ACCORDANCE WITH ACT 187.

TAKEN PRIOR TO ANY EARTHMOVING ACTIVITIES IN THIS PHASE.

MUST BE AVAILABLE AT THE SITE AT ALL TIMES.

AREAS DESCRIBED IN EACH STAGE.

CONSTRUCTION SEQUENCE

FENCING OR APPROVED EQUAL

PROTECTION ON INLET #1.

BERMS ACROSS PROPOSED DRIVEWAY(S).

IN ACCORDANCE WITH ITS DETAILS.

AROUND TOPSOIL STOCKPILE.

WITH TEMPORARY SEED MIX.

TO FES #4. SEED AND MULCH DISTURBED AREA.

MICHAEL & HOLLY ROTH WILLIAMS

1107 St. Matthews Road

Deed Book 6496 Page 619

Tax Parcel# 25-7-48

PLAN OF PROPERTY

HETTIE HERZOG

Edward B. Walsh & Associates, Inc.

CIVIL ENGINEERS & SURVEYORS

DATE: 10-5-06 SCALE: 1"=50' DRAWN: ASH CHECKED: TJG SHEET: 7 OF 8

PROJECT #3647

CHESTER COUNTY, I

Fax: (610) 903-0080 File: F:\JB\3647\DWG\SHEETS\7 EROSION AND SEDIMENTATION CONTROL PLAN.DWG

TAX PARCEL# 25-7-50

HETTIE HERZOG

1057 ST. MATTHEWS ROAD CHESTER SPRINGS, PA 19425 (610) 827-9770 TAX PARCEL# 25-7-50 DEED BOOK Y56 PAGE 286

Lionville Professional Center 125 Dowlin Forge Road