

CLEAN STONE NOTES

1. ALL CRUSHED AGGREGATE USED AS PART OF PROPOSED SMPs MUST BE CLEAN WASHED STONE. (Clean washed stone is defined as having less than one half percent (0.5 percent) wash loss, or mass, when tested per the AASHTO T-11 wash loss test.)

GENERAL NOTE

1. Subsurface infiltration basin shall be installed first so as to limit the compaction during construction of the underlying soils.
2. Subsurface infiltration basin shall have a level bottom.

SCHEDULE OF EARTHMOVING ACTIVITIES

1. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED TO THOSE AREAS DEFINED IN EACH STAGE.
2. CRITICAL STAGE 1: AT LEAST SEVEN DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL NOTIFY ALL CONTRACTORS PROVIDED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE DESIGN AND SEDIMENT CONTROL PLAN PREPARER, THE PA DEPARTMENT OF ENVIRONMENTAL PROTECTION OF BANGOR, THE MONTGOMERY COUNTY CONSERVATION DISTRICT TO AN OFFICE MEETING.
3. AT LEAST THREE DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM, INC. AT 1-800-343-1313 FOR BURIED UTILITIES LOCATIONS.
4. THE PERMITTEE MUST INFORM THE MONTGOMERY COUNTY CONSERVATION DISTRICT AND THE DEPARTMENT THAT THE APPLICABLE EROSION AND SEDIMENTATION CONTROL FACILITIES AS SET FORTH IN THE CONSTRUCTION REQUIREMENTS HAVE BEEN CONSTRUCTED, STABILIZED, AND ARE FUNCTIONAL, BEFORE EARTH DISTURBANCE IN ANY AREA. EACH STEP OF THE SCHEDULE MUST BE COMPLETED PRIOR TO ADVANCING TO THE NEXT STEP.
5. CONSTRUCT A PERIMETER 42 FOOT LONG STABILIZED CONSTRUCTION ENTRANCES AT LOCATION PER PLAN.
6. INSTALL SIX FENCE, CONSTRUCTION ENTRANCE & INLET PROTECTION.
7. EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED AND FUNCTIONAL BEFORE GENERAL SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
8. CLEAR AND GRUB 22 FOOT WIDE AREA AROUND PROPOSED RETAINING WALLS MINOR DISTURBANCE.
9. INSTALL PROPOSED RETAINING WALL AT THE END OF NEW DRIVEWAY.
10. DEMOLISH EXISTING DRIVEWAY PAVEMENT, STOCKPILE ON SITE OR RECYCLE MATERIAL AS PART OF A LEED PROGRAM.
11. REGRAD GRADE AND COMPLETE INSTALLATION OF WALLS.
12. CLEAR AND GRUB THOSE AREAS ASSOCIATED WITH THE STORM DRAINAGE FACILITIES. SEE SUBSURFACE BASIN INSTALLATION NOTES FOR MORE DETAIL.
13. INSTALL STORM DRAINAGE PIPING AND STRUCTURES.
14. INSTALL INLET PROTECTION FOR ALL FILTS.
15. INSTALL REMAINING UTILITIES.
16. INSTALL STONE BASE FOR PAVED AREAS.
17. INSTALL ASPHALT DRIVEWAY COURSE.
18. SPREAD TOPSOIL.
19. FINE GRADE, LIME, FERTILIZE, SEED AND MULCH PER SEED SPECIFICATION.
20. INSTALL PROPOSED LANDSCAPING, LIGHTING, AND FENCES.
21. INSTALL ASPHALT WEAVING COURSE.
22. ALL EROSION CONTROL DEVICES SHALL BE CHECKED WEEKLY AND AFTER EACH RAIN EVENT. ALL PREVENTIVE MEASURES, INCLUDING WORK, INCLUDING REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RESETTING SHALL BE PERFORMED IMMEDIATELY.
23. SHOULD UNFORESEEN EROSION OCCUR DURING CONSTRUCTION THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF RUN OFF OR SEDIMENT DISPLACEMENT. SPECIAL ATTENTION SHALL BE GIVEN TO FROZEN SLOPES, STOCKPILES OF WOOD CHIPS, MULCHES, CRUSHED STONE AND OTHER MATERIALS SHALL BE HELD BY REQUIREMENTS TO BE IMMEDIATELY WITH EROSION CONTROL PROBLEMS OF EROSION.
24. ALL RUNOFF FROM THE SITE MUST BE TREATED UNTIL THE SITE IS STABILIZED.
25. MAINTENANCE OF SEEDED OR MULCHED AREAS TO BE SUCH THAT AREAS WHICH WASH OUT OR ERODE ARE REPLACED OR REPAIRED UNTIL 100% IS ESTABLISHED. 75% OF EACH SQUARE FOOT OF DISTURBED SOIL ON SITE WILL BE COVERED EVENLY WITH VEGETATION.
26. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED (10% UNIFORM STABILIZATION OF DISTURBED SOIL ON SITE WILL BE COVERED WITH VEGETATION, TEMPORARY EROSION CONTROL, INCLUDING THE SIX FENCE MUST BE REMOVED. SHOULD ANY AREAS BECOME DISTURBED DURING REMOVAL OF THE CONTROLS, THEY MUST BE IMMEDIATELY STABILIZED IMMEDIATELY.

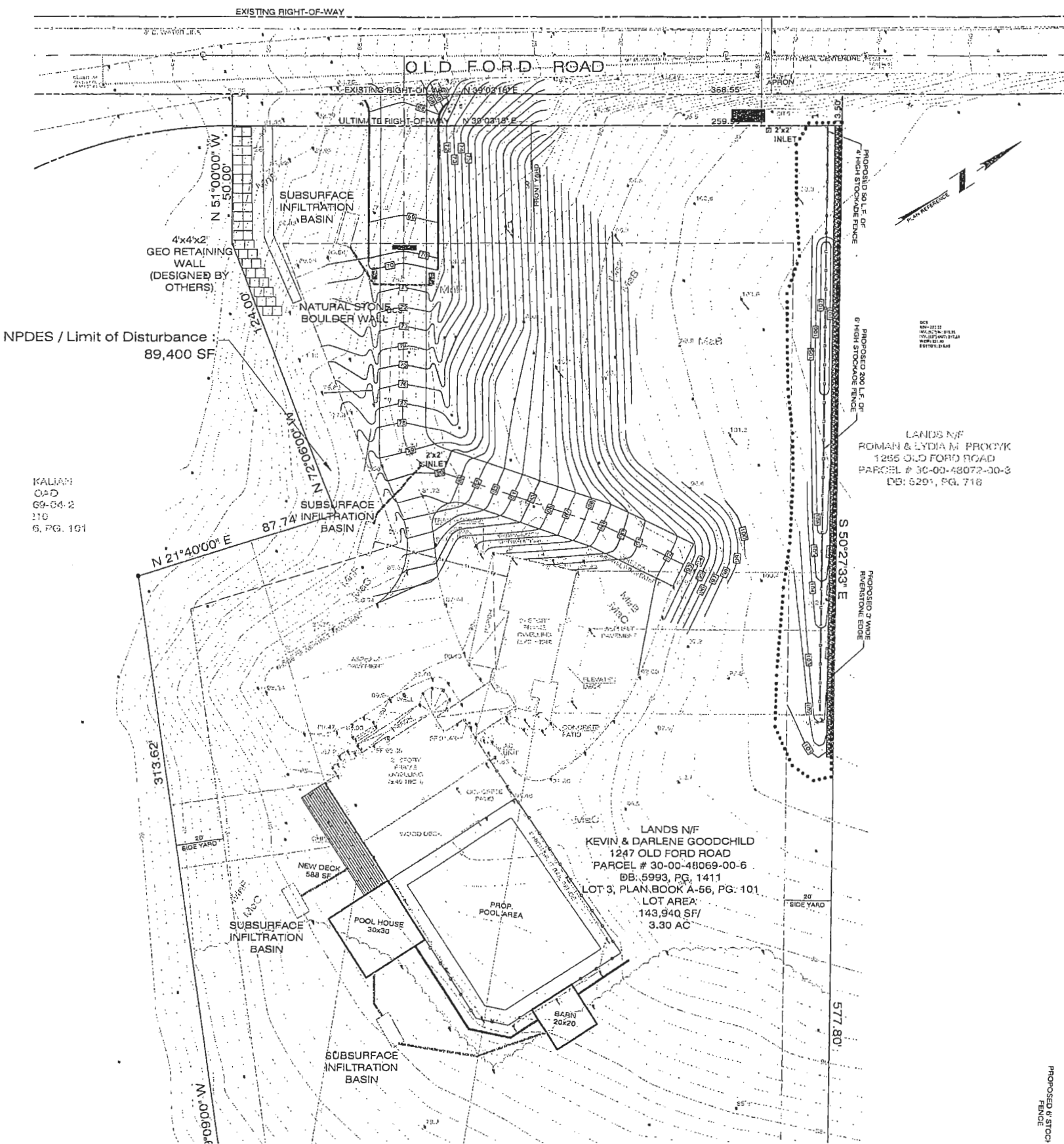
LEGEND

EXISTING FEATURES

- TELECOMMUNICATIONS (CABLE)
- WATER MAIN/PIPE
- ELECTRICAL MAIN/PIPE
- SANITARY MAIN/PIPE
- CITY INLET
- FIRE HYDRANT
- WATER VALVE
- UTILITY POLE
- SIGN
- LIGHT STANDARD
- DRILL HOLE
- SANITARY SEWER
- COLLECTOR SEWER
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- UNDERGROUND ELECTRIC LINE
- OVERHEAD AERIAL LINE
- FENCE LINE
- EXISTING BUILDINGS
- PROPERTY LINE
- ZONING BOUNDARY LINE
- BOUNDARY

PROPOSED FEATURES

- OBSERVATION WYLL
- TYPE M INLET
- OUTLET CONTROL STRUCTURE (TRAPPED)
- CLEAN OUT
- STORM SEWER / SEWER / A
- ROOF DRAIN P/S
- FINISH / LIMIT OF DISTURBANCE LINE
- CONCRETE
- LANDSCAPING
- SUBSURFACE BASIN
- BETUMINOUS CONCRETE PAVING
- PROPOSED STREET TREE

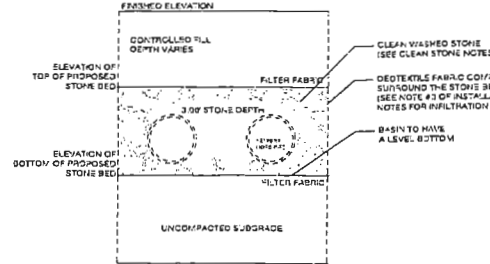


LANDS N/F
ROMAN & LYDIA M PROCMK
1265 OLD FORD ROAD
PARCEL # 36-00-48072-00-3
DB: 6291, PG. 718

LANDS N/F
KEVIN & DARLENE GOODCHILD
1247 OLD FORD ROAD
PARCEL # 30-00-48069-00-6
DB: 5993, PG. 1411
LOT 3, PLAN BOOK A-56, PG: 101
LOT AREA:
143,940 SF/
3.30 AC

INSTALLATION NOTES FOR INFILTRATION BASIN:

1. Areas for proposed subsurface infiltration SMPs must be physically marked as heavy equipment exclusion zones prior to any land-disturbing activities to avoid soil disturbance and compaction during construction. Install construction fencing around subsurface infiltration areas. If areas are compacted during construction, additional infiltration testing and potential redesign efforts may be required.
2. Provide erosion and sedimentation control protection on the site such that construction runoff is directed away from the proposed subsurface infiltration SMP. Sediment deposited in a subsurface infiltration SMP during construction, particularly a stone bed, can significantly reduce SMP performance. The designer is referred to the latest edition of the Pennsylvania Department of Environmental Protection (PA DEP) Erosion and Sediment Pollution Control Program Manual for information on design standards for erosion and sedimentation control practices.
3. Infiltration areas may not be used as sediment traps during construction, unless at least two feet of soil are left in place while the area is serving as a sediment trap and subsequently removed during construction after the contributing drainage areas have been stabilized.
4. Complete site elevation grading and stabilize all disturbed soil. Stabilization of disturbed areas must be implemented before finalizing the subsurface infiltration SMP's excavation and construction. Excavate subsurface infiltration area to proposed depth and manually grade and scarify the existing soil surface. The bottom of the infiltration bed must be at a level grade.
5. Existing subgrade must NOT be compacted or subject to excessive construction equipment prior to placement of geotextile and stone bed. The use of machinery to load stone from outside of the infiltration and footprint is recommended. Stone should be carefully placed, not dumped, in the infiltration bed. If it is essential that equipment be used in the excavated area, all equipment must be low ground pressure equipment. Use of equipment with narrow tracks or tires, rubber tires with large lugs, or high pressure tires will cause excessive compaction and must not be used. Should the subgrade be compacted during construction, additional testing of soil infiltration rates and SMP redesign may be required. Rock construction entrances must not be located on top of areas proposed for infiltration practices.
6. Place geotextile and stone aggregate immediately after approval of subgrade preparation to prevent accumulation of debris or sediment. Prevent runoff and sediment from entering the infiltration bed during the placement of the geotextile and aggregate bed.
7. Place geotextile in accordance with manufacturer's standards and recommendations. Secure geotextile at least four feet outside of bed. Adjacent strips of filter fabric must overlap a minimum of 16 inches. Install aggregate course in lifts of six to eight inches. Lightly compact each layer with equipment, keeping equipment movement over storage bed subgrades to a minimum. Install aggregate to grades indicated on the drawings.
8. All stone that makes up the infiltration SMP must remain free of sediment. If sediment enters the stone, the contractor may be required to remove the sediment and replace with clean washed stone.
9. Confirm and document invert elevations and dimensions for all structures such as chambers and pipes prior to backfill.
10. Backfill to finished grade. Ensure backfill is properly compacted in accordance with specifications. Ensure backfill process does not disrupt pipe placement and configuration.
11. Structures such as inlet boxes, reinforced concrete boxes, inlet controls, and outlet controls must be constructed according to manufacturer's guidelines or design professional's guidance.
12. Complete surface grading above subsurface infiltration SMP, using suitable equipment to avoid excess compaction.
13. Once the site is permanently stabilized with vegetation, remove temporary erosion and sediment control measures.



SUBSURFACE INFILTRATION BED SECTION



NOTE:
PENNSYLVANIA ACT 287 OF 1972 AS AMENDED BY ACT 151 OF 2000 REQUIRES THAT CONTRACTORS DETERMINE THE LOCATION OF ALL UTILITY, SEWER, AND WATER LINES BEFORE COMMENCING CONSTRUCTION. SEE SHEET 1 FOR THE LIST OF LOCAL UTILITIES.

NO.	REVISIONS

1247 OLD FORD ROAD
Abington Township, PA
BLOCK 17 UNIT 16 P/N 30-00-48069-006

prepared for:
EK CONSTRUCTION LLC
445 MILL ROAD
BENSALEM, PA 19020
215-645-1671

prepared by:

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phone 215-565-3500 fax 215-565-3500 www.ruggieroplantedesign.com

Plan Date: Scale: 1" = 20'-0"
OCTOBER 17, 2017 PER 1" 0'

BUILDING PERMIT SET
Sheet Title:
PCSWM PLAN
Sheet 4 of 10