

CONSTRUCTION SEQUENCE

AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING CLEARING AND GRUBBING), THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, TOWNSHIP ENGINEER/INSPECTOR, MONTGOMERY COUNTY CONSERVATION DISTRICT AND LICENSED PROFESSIONAL ENGINEER OR DESIGNER TO AN ON-SITE PRE-CONSTRUCTION MEETING.

UPON INSTALLATION OR TABULATION OF A PERIMETER EROSION CONTROL BMP AND AT LEAST 3 DAYS PRIOR TO PROCEEDING WITH THE BULK EARTH DISTURBANCE ACTIVITIES, THE PERMITTEE OR CO-PERMITTEE SHALL PROVIDE NOTIFICATION TO THE TOWNSHIP.

AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION. EACH STEP OF THE SEQUENCE SHALL BE COMPLETED BEFORE PROCEEDING TO THE NEXT STEP, EXCEPT WHERE NOTED.

UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION.

- FIELD DELINEATE LIMITS OF DISTURBANCE PRIOR TO EARTH MOVING ACTIVITIES.
- PLACE ALL FILTER SOCKS SHOWN ON THE PLANS AT THE TOE/DOWNSIDE OF EXISTING/PROPOSED SLOPES (PARALLEL WITH EXISTING CONTOURING, PERPENDICULAR WITH EXISTING SLOPES AND AT TERMINUS ENDS).
- PLACE THE ROCK CONSTRUCTION ENTRANCE. INSTALL FILTER SOCKS AND PERFORM SITE GRADING WITHIN THIS AREA, ONLY AS NEEDED TO INSTALL THE CONSTRUCTION ENTRANCES.
- THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL ENSURE THAT ALL SITE STORM WATER, INCLUDING THAT COMING OFF OF THE ROCK CONSTRUCTION ENTRANCE (RCE) IS DIRECTED INTO AN E&S CONTROL BMP.
- MAR AND INSTALL TEMPORARY TOPSOIL STOCKPILE AND CONCRETE WASH AREAS AND FINISH INSTALLING ALL EROSION AND SEDIMENTATION CONTROL MEASURE.
- CLEAR SURFACE BASIN AREA, REMOVE ALL CROP ROOTS, ROCKS, ETC. AND EXCAVATE FOR SEDIMENT TRAP NO.1. AREAS ADJACENT TO THE TRAP MUST BE STABILIZED IN ACCORDANCE WITH THE PADEP'S EROSION AND SEDIMENTATION CONTROL PROGRAM MANUAL (2000 OR LATEST EDITION) PRIOR TO BASIN CONSTRUCTION.
- EXCAVATE FOR BUILDING FOUNDATION, SEWER MAIN (INCL. MANHOLE), ASPHALT PAVING, SIDEWALKS, CULVERT, DRAIN BASIN, ALL PIPES, SWALES AND INCIDENTALS.
- IMPORT, PLACE, GRADE AND COMPACT CLEAN FILL AS REQUIRED. ALL TOPSOIL AND IMPORTED FILL SHALL BE STORED AT DESIGNATED TEMPORARY TOPSOIL STOCKPILE LOCATION. CLEAN FILL SHALL BE AS DESCRIBED IN EROSION AND SEDIMENTATION NOTES.
- CONSTRUCT ALL STORMWATER MANAGEMENT FACILITIES (INCL. SEDIMENT TRAP NO.1, SWALES, OUTLET STRUCTURE, PIPES) AND CONTACT PROJECT ENGINEER PRIOR FINAL GRADING TO VERIFY THAT ALL PCSM BMPs ARE INSTALLED, FUNCTIONING, AND HAVE NOT BEEN IMPACTED BY CONSTRUCTION ACTIVITIES. (CRITICAL STAGE).
- INSTALL ROAD CULVERT AND DRAIN BASIN.
- INSTALL SEWER MAIN AND MANHOLE AND CONNECT TO EXISTING SEWER LATERAL.
- PERFORM AND FINISH ALL SITE GRADING INCLUDING: SUB-BASE FOR PARKING LOT, CONCRETE PADS AND WALKWAYS, PRECAST CONCRETE AREAS (PATIO).
- CONSTRUCT BUILDINGS AND ALL ARCHITECTURAL ELEMENTS.
- INSTALL ALL PROPOSED UTILITIES.
- INSTALL ALL SITE LIGHTING.
- INSTALL FLAG POLES FOUNDATION AND COVERED PARKING POSTS' FOOTINGS.
- INSTALL ALL CONCRETE PAVING AND CURBS INCLUDING PATIO
- INSTALL BOLLARDS AND FENCINGS.
- INSTALL ASPHALT BASE COURSE.
- INSTALL ALL LANDSCAPING INCLUDING TREES, SHRUBS, GROUND COVER.
- FINE GRADE/REDISTRIBUTE TOPSOIL THROUGHOUT DISTURBED AREAS.
- INSTALL EROSION CONTROL BLANKET FOR STEEP SLOPES AS REQUIRED.
- CONSTRUCT ASPHALT PARKING TACK AND WEARING COURSE.
- LINE STRIPING.
- INSTALL PARKING LOT BUMPER BLOCKS.
- INSTALL ALL SIGNS, FLAG POLES AND COVERED PARKING STRUCTURE.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, PERFORM CONVERSION OF THE SEDIMENT TRAP #1 TO SWM#100 AND CONSTRUCT SWM#101 (PER SEDIMENT TRAP CONVERSION SEQUENCE ON SHEET ES-4 & CONSTRUCTION SEQUENCE ON SHEET PCSM-4). CONTACT PROJECT ENGINEER PRIOR FINAL GRADING TO VERIFY THAT ALL PCSM BMPs ARE INSTALLED, FUNCTIONING, AND HAVE NOT BEEN IMPACTED BY CONSTRUCTION ACTIVITIES. (CRITICAL STAGE).
- REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES. FINAL STABILIZATION IS DEFINED AS A UNIFORM 70% PERENNIAL VEGETATION COVER.
- SUBMIT A NOTICE OF TERMINATION TO THE COUNTY CONSERVATION DISTRICT ONCE ALL TEMPORARY E&S BMPs HAVE BEEN REMOVED AND THE ENTIRE PROJECT SITE IS PERMANENTLY STABILIZED.

PROJECT SITE IMPERVIOUS AREAS

EXISTING/PRE-CONSTRUCTION:	
ADMIN PARKING LOT*	7,440 S.F.
*EXISTING STONE-PAVED PARKING LOT	
PROPOSED:	
ADMIN/POLICE BUILDING	11,848 S.F.
PUBLIC WORKS GARAGE	8,210 S.F.
ADMIN/POLICE CONC. SIDEWALK	2,943 S.F.
PUBLIC WORKS GARAGE CONC. SIDEWALK	422 S.F.
UTILITY CONCRETE PAD	585 S.F.
CONCRETE CURB	310 S.F.
ADMIN PARKING LOT	7,458 S.F.
POLICE/PUBLIC WORKS PARKING LOT*	25,814 S.F.
COVERED PARKING ROOF AREA ON LAWN PATIO	208 S.F.
	959 S.F.
TOTAL PROPOSED IMPERVIOUS	58,757 S.F. (1.34 AC.)
*INCLUDING NO SALT SHED.	
TOTAL POST-CONSTRUCTION IMPERVIOUS	58,739 S.F. (1.34 AC.)

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CHESTER VALLEY ENGINEERS, INC. ENGINEERS & SURVEYORS
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REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL SURVEYOR
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PENNSYLVANIA ACT 187 REQUIREMENTS
UNIFORM PARCEL IDENTIFIER: 60-00-02089-01-1

UNIFORM PARCEL IDENTIFIER: 60-00-02089-01-1

SEE SHEET ES-1 FOR FACILITY OWNER'S DESIGNATED OFFICE ADDRESS AND TELEPHONE NUMBER

PENNSYLVANIA ONE CALL SYSTEM, INC.
CALL 3 WORKING DAYS BEFORE YOU DIG
1-800-242-1776
POCS SERIAL NUMBER: 20241432854

SOILS LIST*

SYMBOL	DESCRIPTION	DEPTH TO SEASONALLY HIGH WATER TABLE	DEPTH TO BEDROCK	FREQUENCY OF FLOODING	PONDING	HYDROSOIL SOIL GROUP	HYDRO SOIL RATING
CR1A	CR TO 3% SLOPES	0"-6"	40"-60" TO LITHIC BEDROCK	NONE	OCCASIONAL	D	YES
CR1B	CR TO 8% SLOPES	10"-12"	40"-60" TO LITHIC BEDROCK	NONE	OCCASIONAL	D	YES
LEIGH1	SILT LOAM	8"-36"	40"-60"	NONE	NONE	C/D	NO
LEIGH2	CLAY TO SILT LOAM	8"-36"	40"-60"	NONE	NONE	C/D	NO
LEIGH3	CLAY TO SILT LOAM	0"-12"	60"-99"	NONE	NONE	C/D	YES

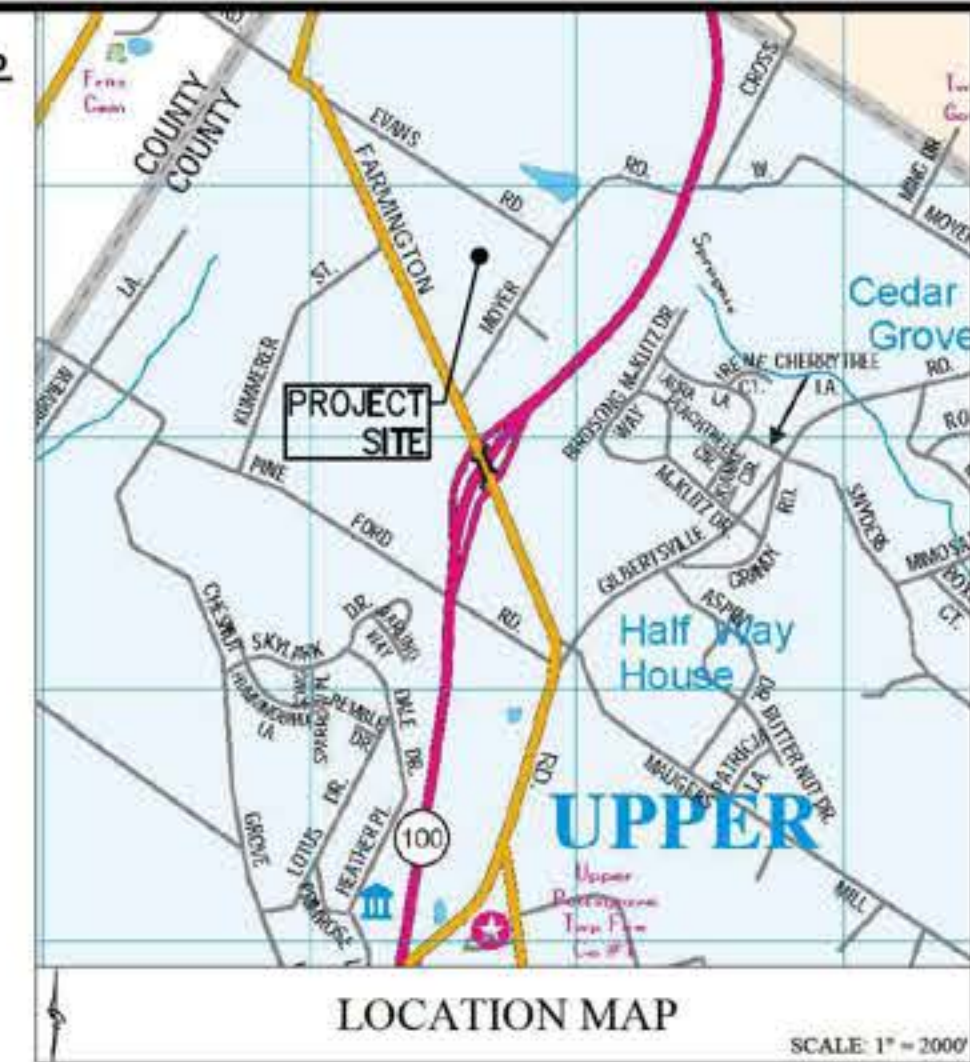
INfiltration TESTING RESULTS

TEST ID	EX. GROUND ELEVATION	TEST DEPTH (FT)	TEST ELEVATION	MEASURED INF. RATE	LIMITING ZONE	LIMITING ZONE ELEVATION	BMP NAME	BMP BOTTOM ELEVATION
TP1	430.74	5.00	425.74	0.00 IN/H-R	ROCK	423.74	N/A	N/A
TP2	428.38	5.00	423.38	0.00 IN/H-R	ROCK	421.38	N/A	N/A
TP3	419.29	3.00	416.29	3.56 IN/H-R	ROCK	414.29	N/A	N/A

*Listed soils are based on the soil map generated from Natural Resources Conservation Service Web Soil Survey, and not representative of the soils that were found due to extensive soil borings that occurred within the proposed municipal complex area. Refer to Geotechnical Engineering Report performed by ECS Mid-Atlantic, LLC, dated 5/12/2023.

DRAINS TO SPROGELS RUN
CHAPTER 93 CLASSIFICATION: WARM WATER FISHES, MIGRATORY FISH (WWF-MF) SCHUYLKILL WATERSHED

- PA 1 CALL FACILITY OWNER'S CONTACT INFO**
- COMPANY: COMCAST**
ADDRESS: 1250 HADDONFELD RD, BIRL N RD, CHERRY HILL, NJ 08034
CONTACT: WYATT PARRISH
EMAIL: wyatt.parrish@comcast.com
PHONE: 484-366-4391
- COMPANY: PECO AN EXELON COMPANY C/O USIC**
ADDRESS: 450 S HENDERSON ROAD SUITE B, KING OF PRUSSIA, PA 19406
CONTACT: NIKKIA SIMPKINS
EMAIL: niksamps@usic.com
PHONE: 484-681-5720
- COMPANY: FIRSTENERGY CORPORATION**
ADDRESS: 21 S MAIN ST, AKRON, OH 44308
CONTACT: MELLYSSA ADAMS
EMAIL: madams@firstenergycorp.com
PHONE: 330-604-4073
- COMPANY: UGI UTILITIES INC**
ADDRESS: 225 MORGANTOWN RD, READING, PA 19611
CONTACT: KURT ZELASKOWSKI
EMAIL: kzdelaskowski@ugi.com
PHONE: 610-736-5571
- COMPANY: UPPER POTTS GROVE TOWNSHIP**
ADDRESS: 1409 FARMINGTON AVE, POTTS TOWN, PA 19404
CONTACT: CHAD DAVIS
EMAIL: cdavis@uptownship.org
PHONE: 610-326-9038
- COMPANY: PENNSYLVANIA AMERICAN WATER**
ADDRESS: 100 CHESH RE CT ST 104, COATESVILLE, PA 19320
CONTACT: NOEL GIESSLER
EMAIL: noel.giessler@amwater.com
PHONE: 610-292-3575

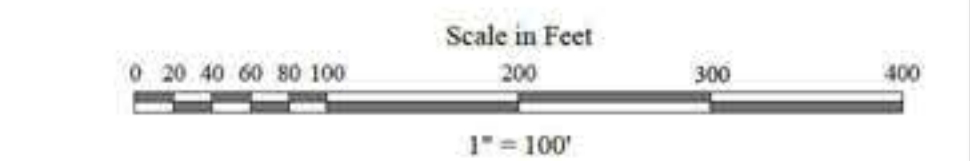


- EXISTING FEATURES**
- EXISTING PROPERTY BOUNDARY
 - EXISTING ADJOINING PROP. LINE
 - EXISTING RIGHT-OF-WAY LINE
 - EXISTING SETBACK BOUNDARY
 - EXISTING 1' CONTOURS
 - EXISTING 5' CONTOURS
 - EXISTING SOIL BOUNDARY LINE
 - EXISTING EDGE OF PAVEMENT
 - EXISTING UTILITY POLE & OVERHEAD WIRES
 - EXISTING SANITARY SEWER & MANHOLE
 - EXISTING WETLAND BOUNDARY
 - EXISTING SWALE
 - EXISTING EDGE OF CROP
 - EXISTING STORM PIPE & MANHOLE
 - EXISTING TREE & SHRUB LINE
 - EXISTING TREE

- PROPOSED FEATURES**
- PROPOSED BUILDING
 - PROPOSED DRIVEWAY & PARKING LOT
 - PROPOSED COVERED PARKING
 - PROPOSED CONCRETE SIDEWALK
 - PROPOSED PATIO
 - PROPOSED CONCRETE CURB
 - PROPOSED UTILITY POLE & OVERHEAD WIRE
 - PROPOSED ELECTRIC CONDUIT LINE
 - PROPOSED SANITARY SEWER LINE & MANHOLE

- PROPOSED GRADING/PCSM FEATURES**
- PROPOSED 1' CONTOURS
 - PROPOSED 5' CONTOURS
 - PROPOSED HDPE STORM PIPE
 - PROPOSED PVC STORM PIPE & CLEANOUT
 - PROPOSED STORM INLET
 - INFILTRATION TEST PIT LOCATION
 - DISCHARGE POINT
 - PROPOSED LEVEL SPREADER
 - PROPOSED SPURWAY TRM LINING
 - NPDES PROJECT SITE AREA

- PROPOSED E&S FEATURES**
- PROPOSED ROCK CONSTRUCTION ENTRANCE
 - PROPOSED TEMPORARY TOPSOIL STOCKPILE
 - PROPOSED CONCRETE WASH AREA
 - PROPOSED EROSION CONTROL BLANKET
 - PROPOSED COMPOSED FILTER SOCK
 - PROPOSED LIMIT OF DISTURBANCE
 - PROPOSED FLARED END SECTION & R PRAP
 - PROPOSED SEDIMENT BASIN DRAINAGE AREA



OVERALL EROSION AND SEDIMENT CONTROL PLAN

NO.	DATE	REVISION

SITE IMPROVEMENT PLANS FOR UPPER POTTS GROVE MUNICIPAL BUILDING COMPLEX
UPPER POTTS GROVE TOWNSHIP - MONTGOMERY COUNTY - PENNSYLVANIA

ChesterValley ENGINEERS, INC.
112 Moores Road, Suite 200, Malvern, PA 19355
610-644-4623
www.chesterinc.com

MICHAEL BOYCE
REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL SURVEYOR

22096

SCALE: As Noted | DATE: 07/01/2024 | DRAWN BY: HL | CHECKED BY: MJ | DRAWING: ES-1

THIS PLAN IS FOR EROSION & SEDIMENTATION CONTROL PURPOSE ONLY.