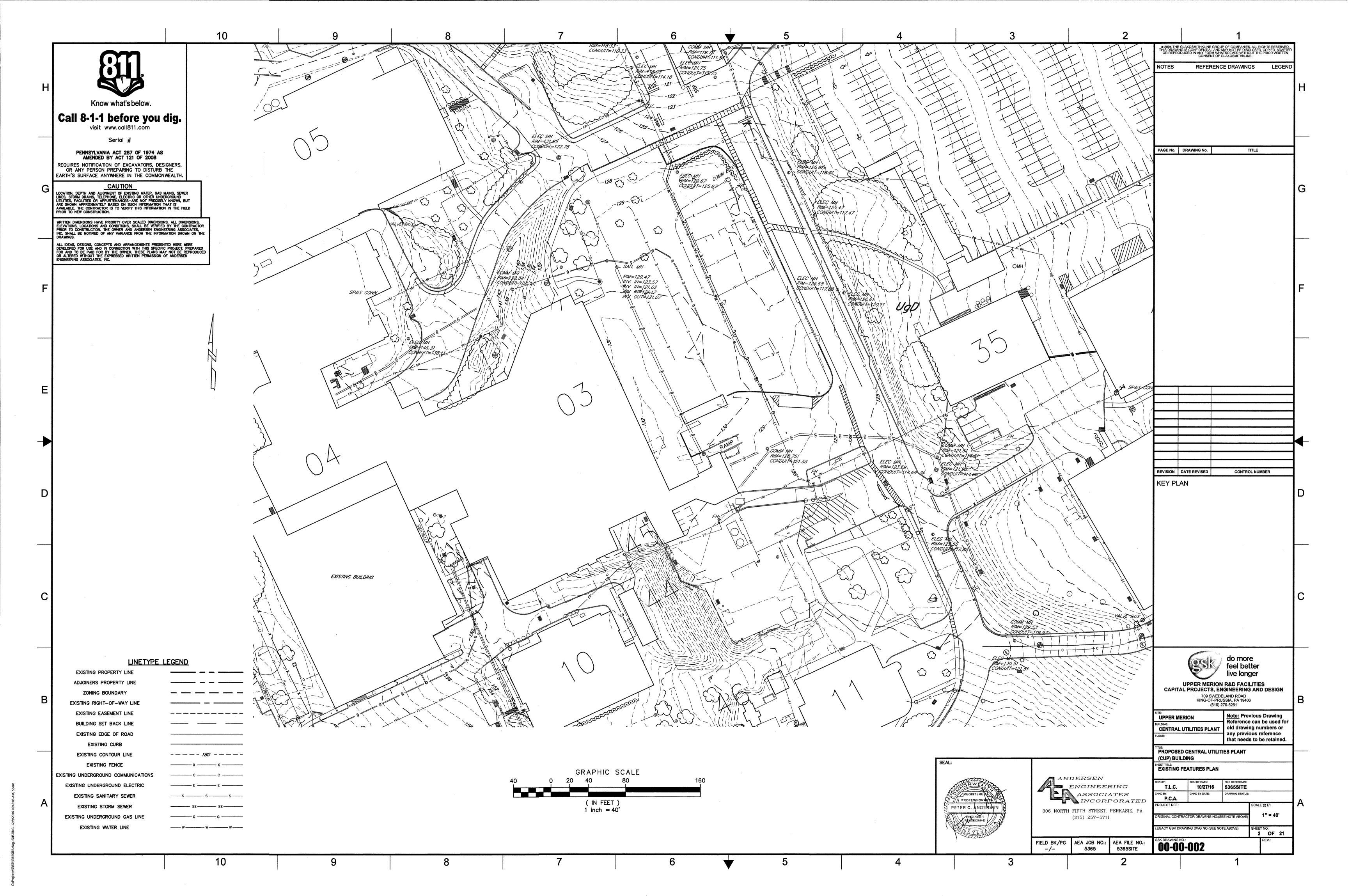
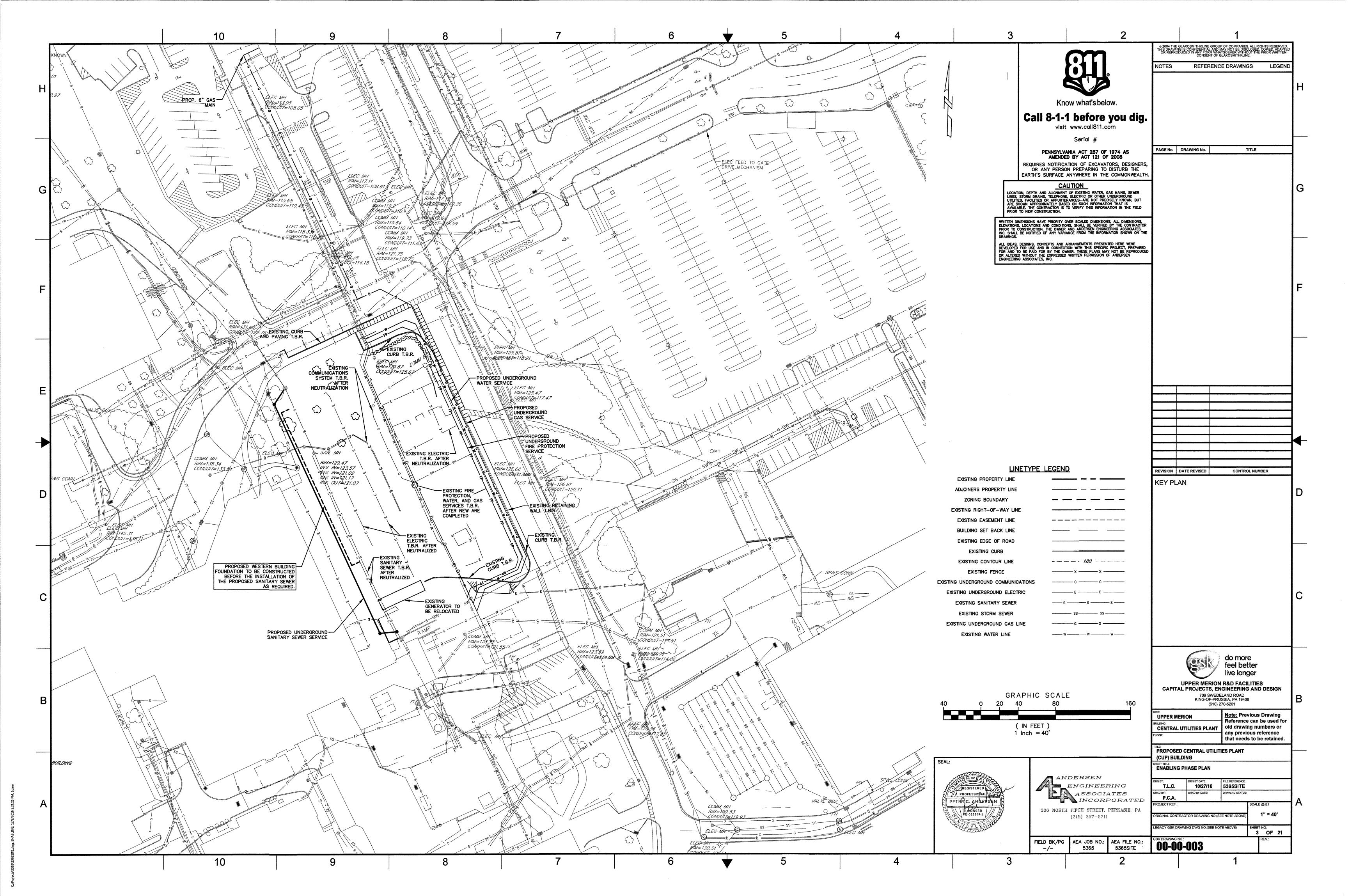
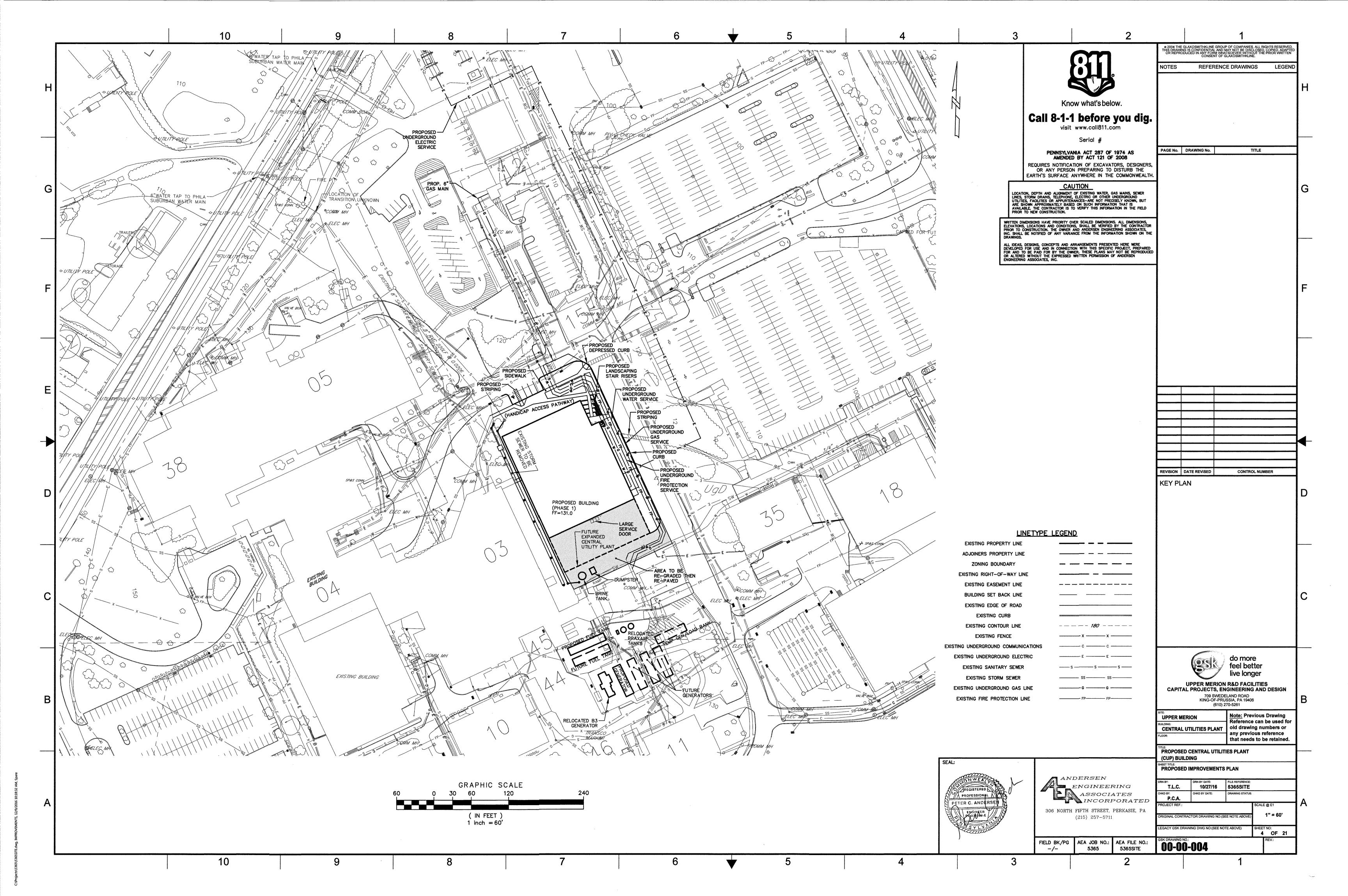
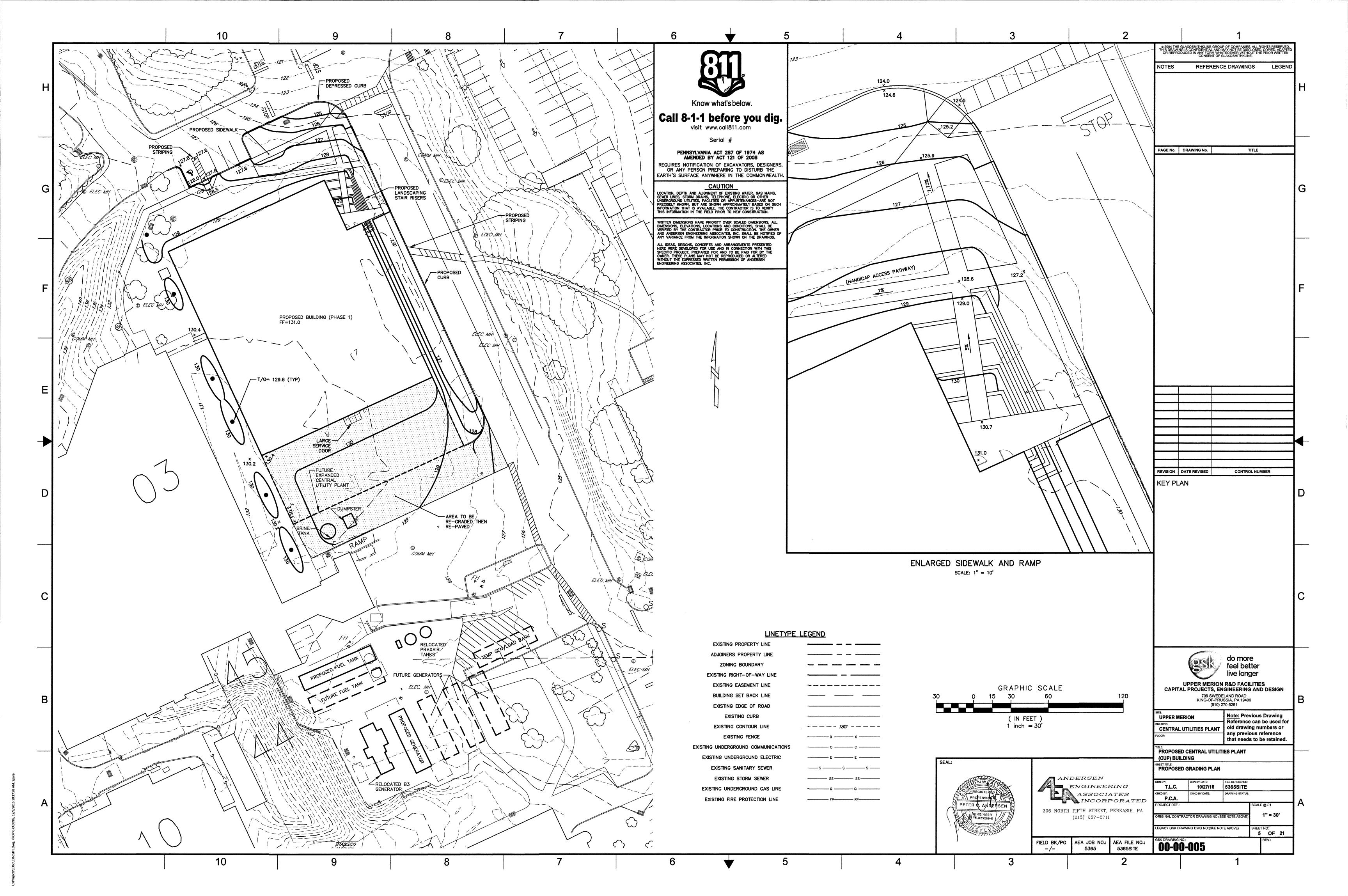


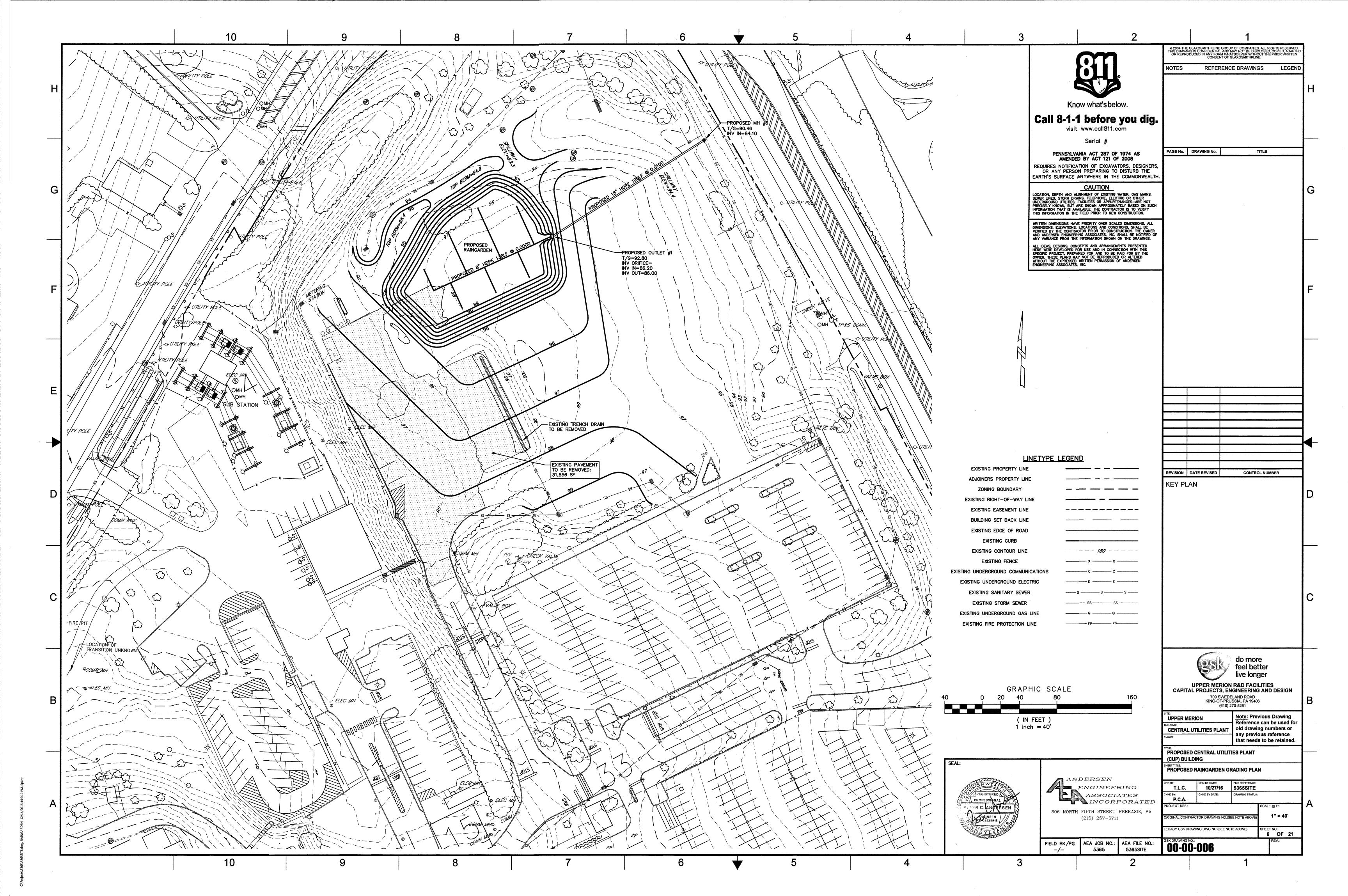
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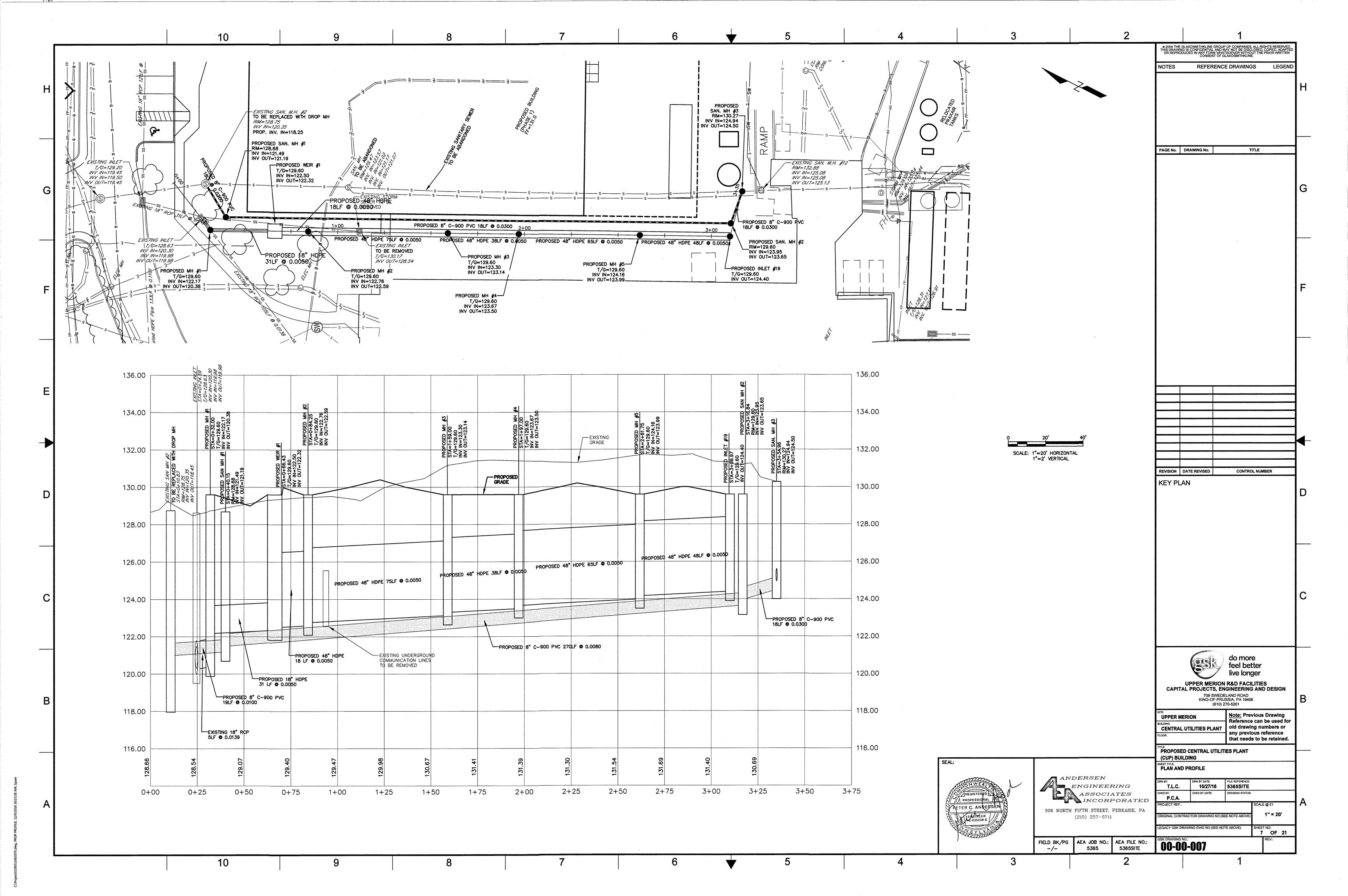


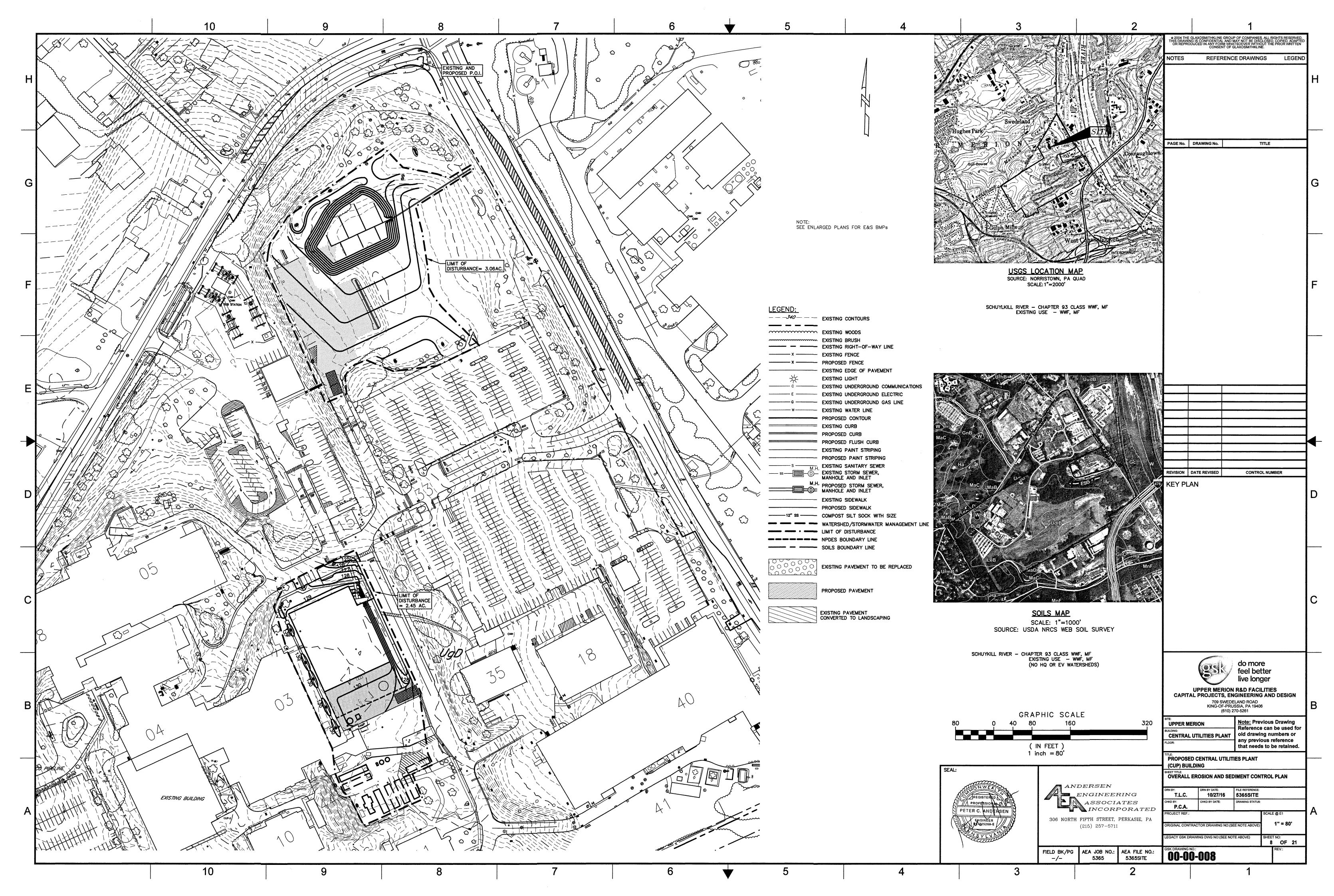




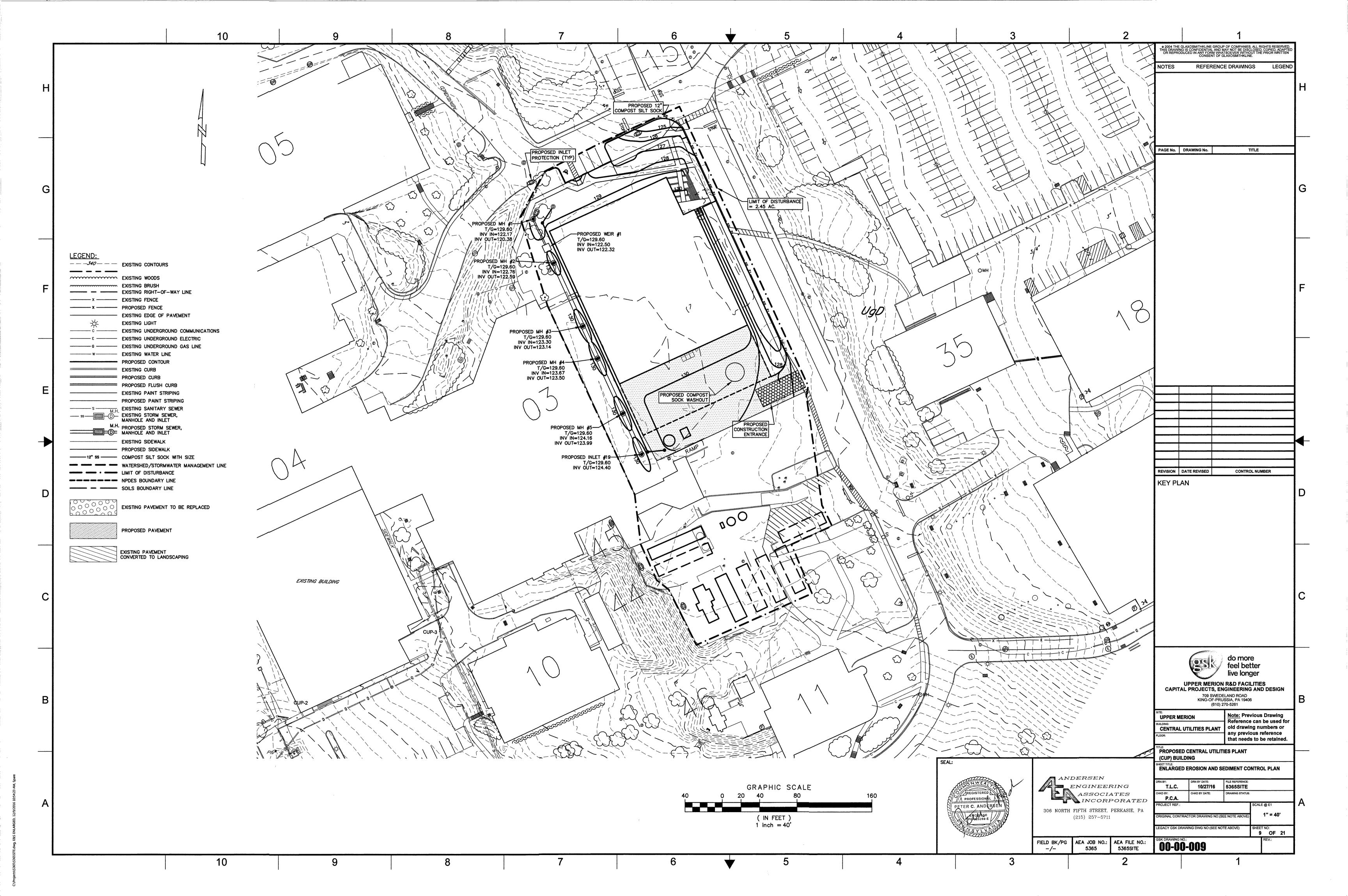


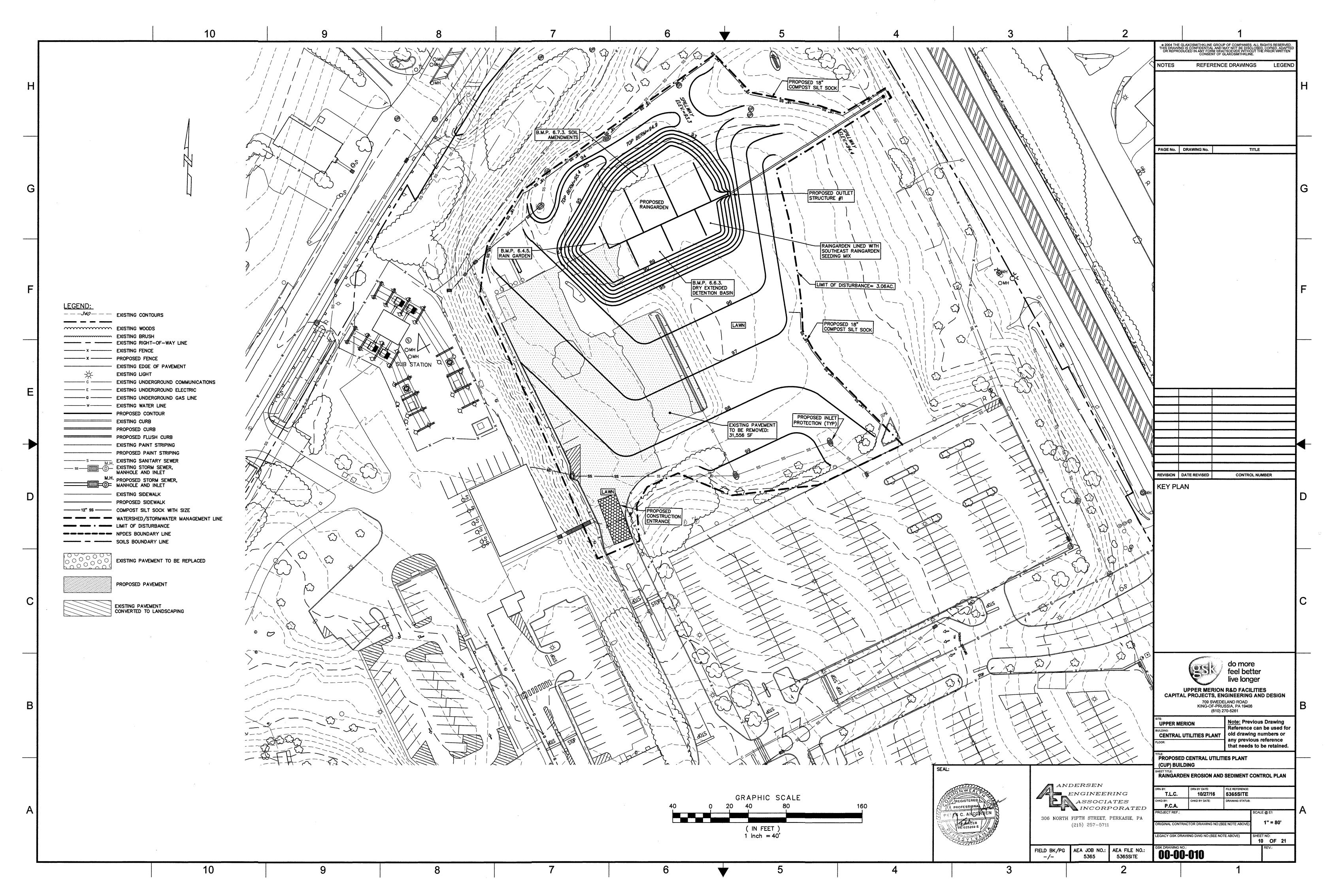






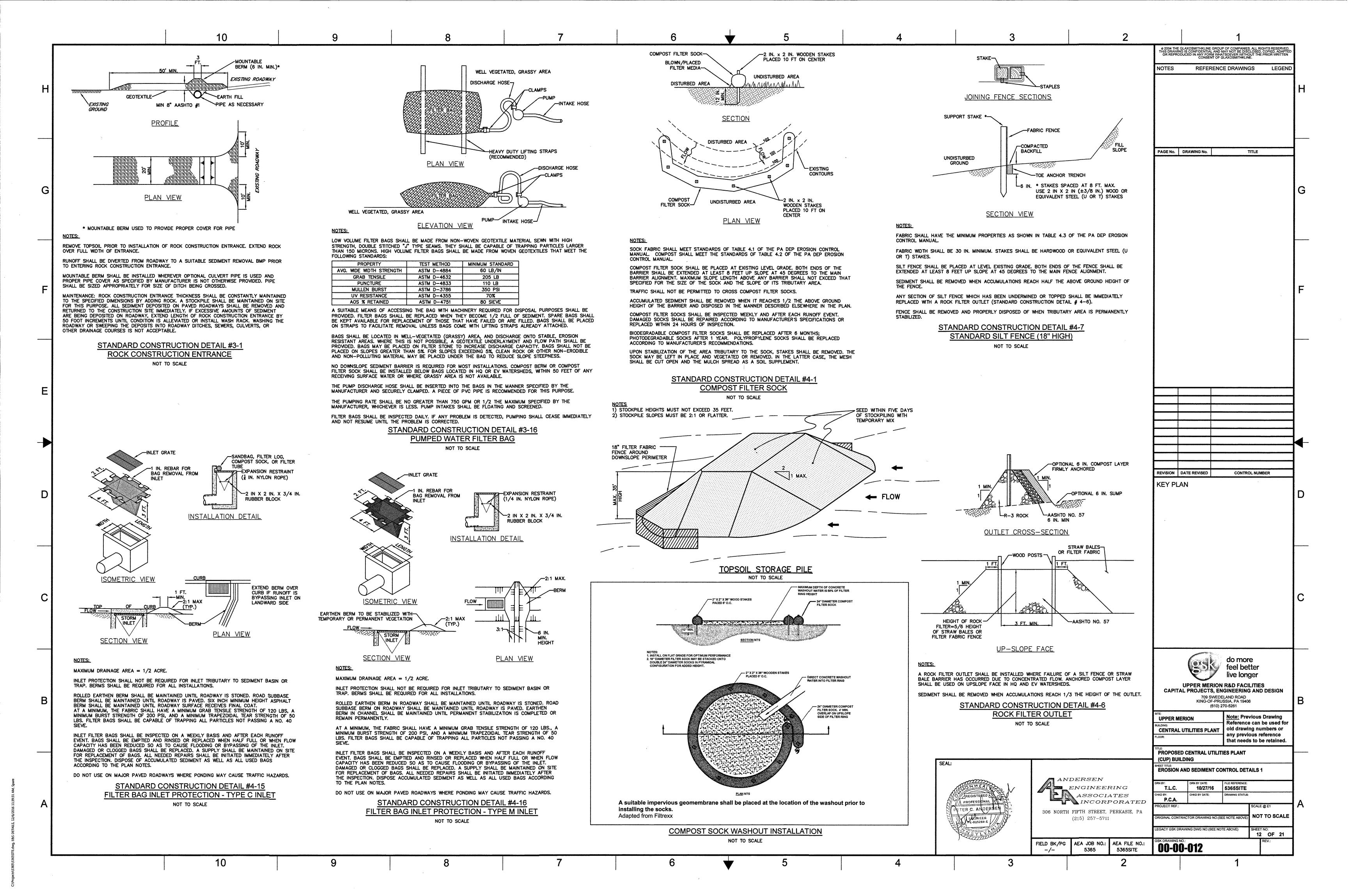
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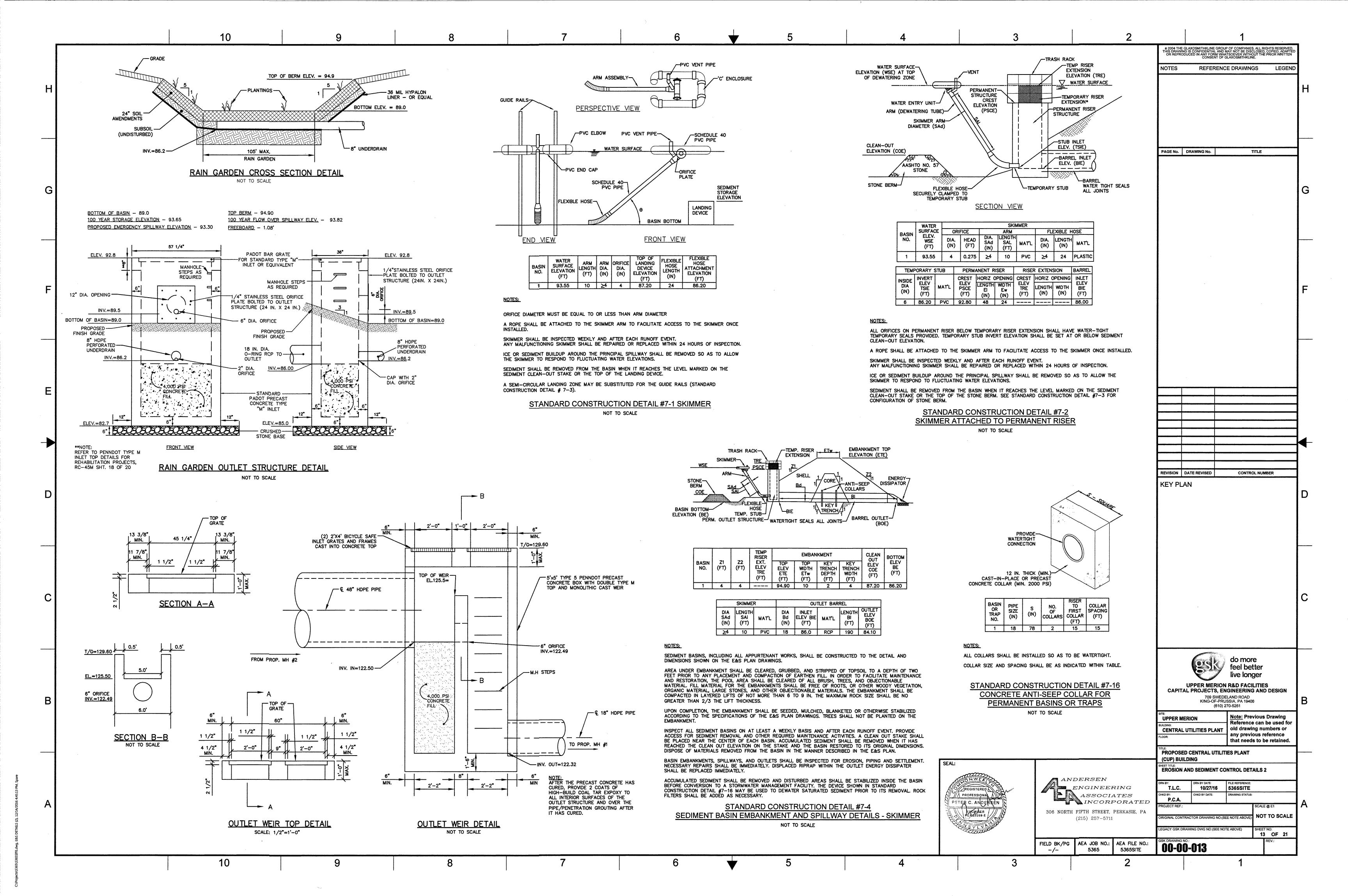


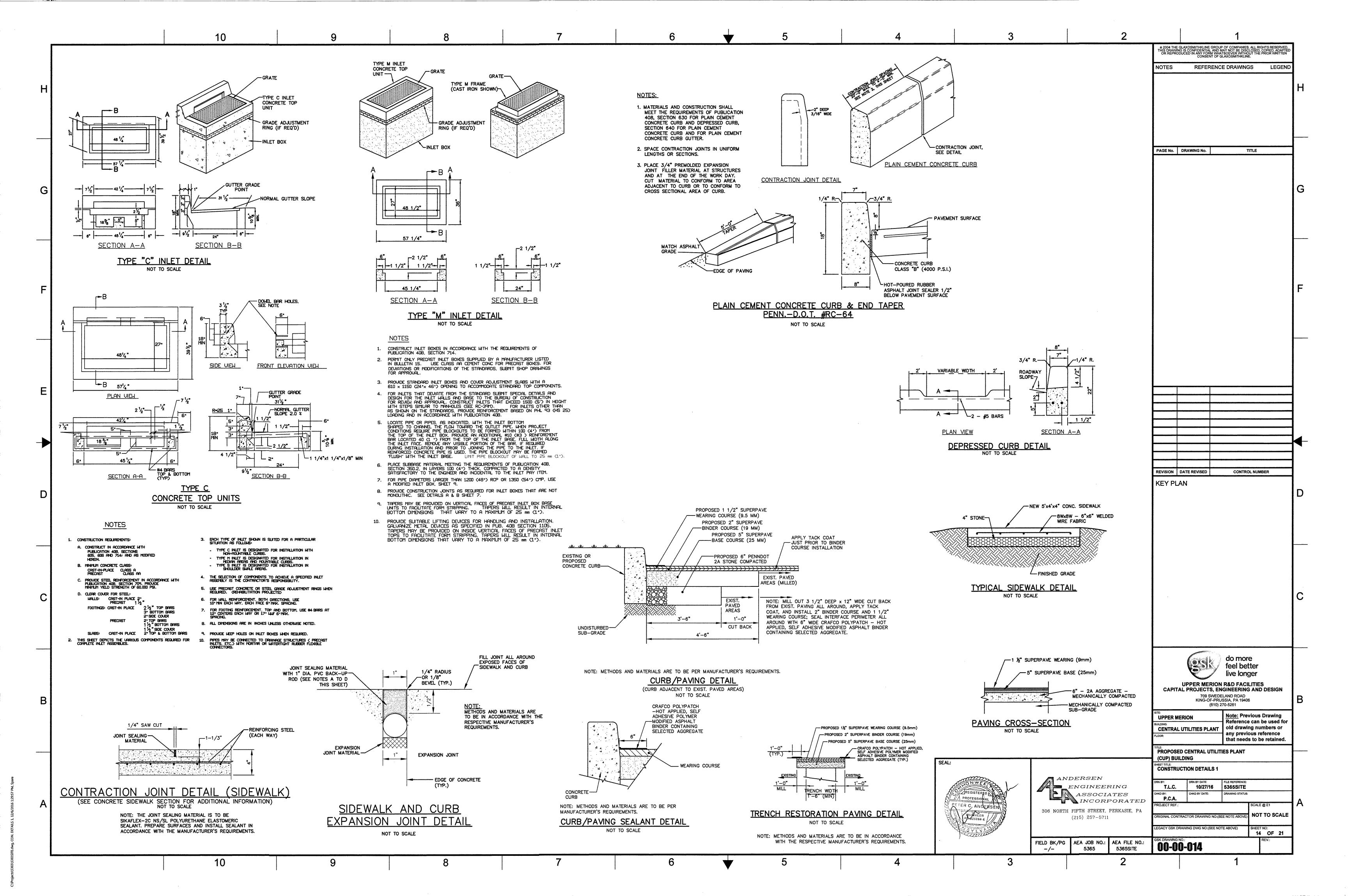


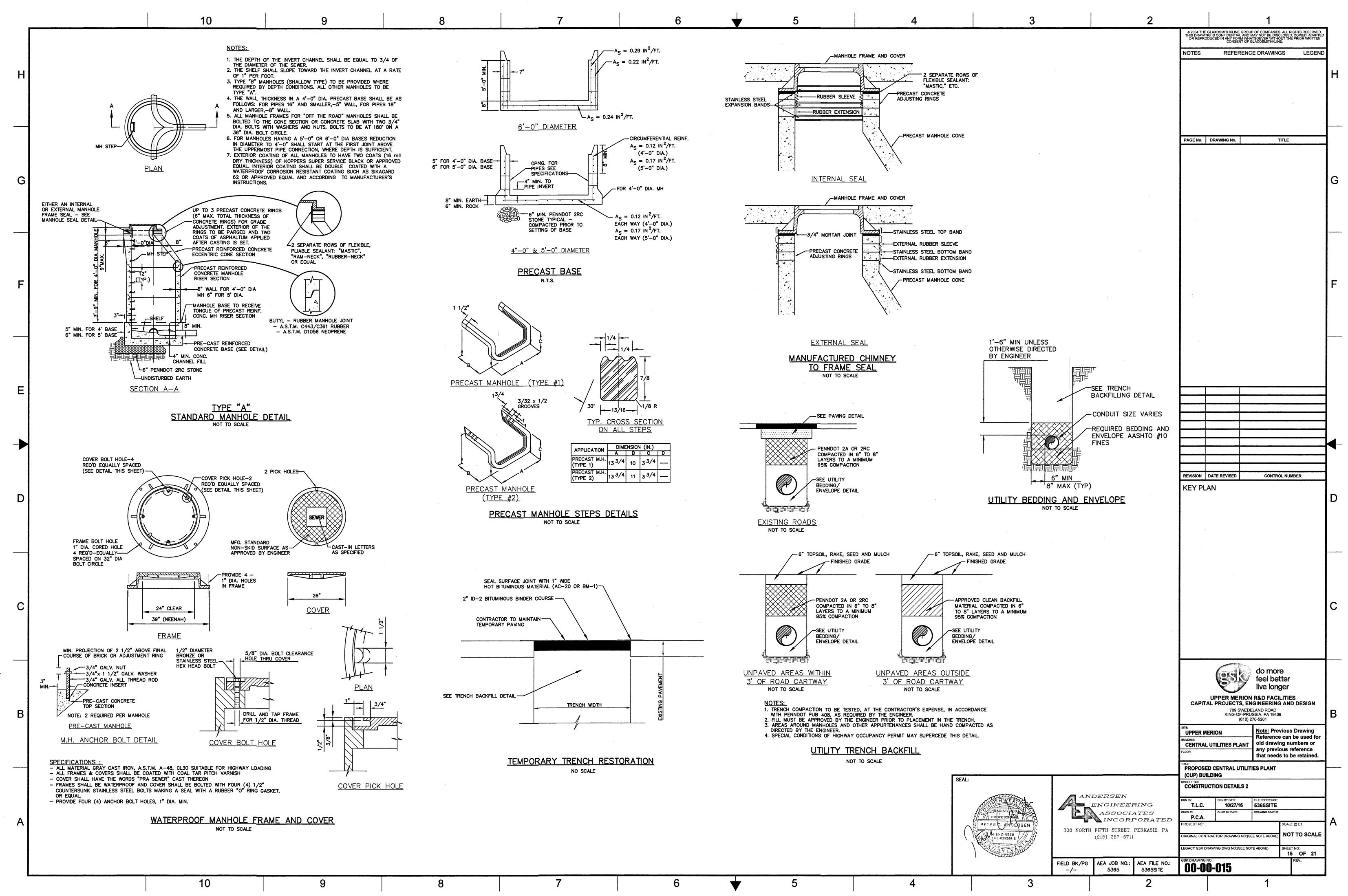
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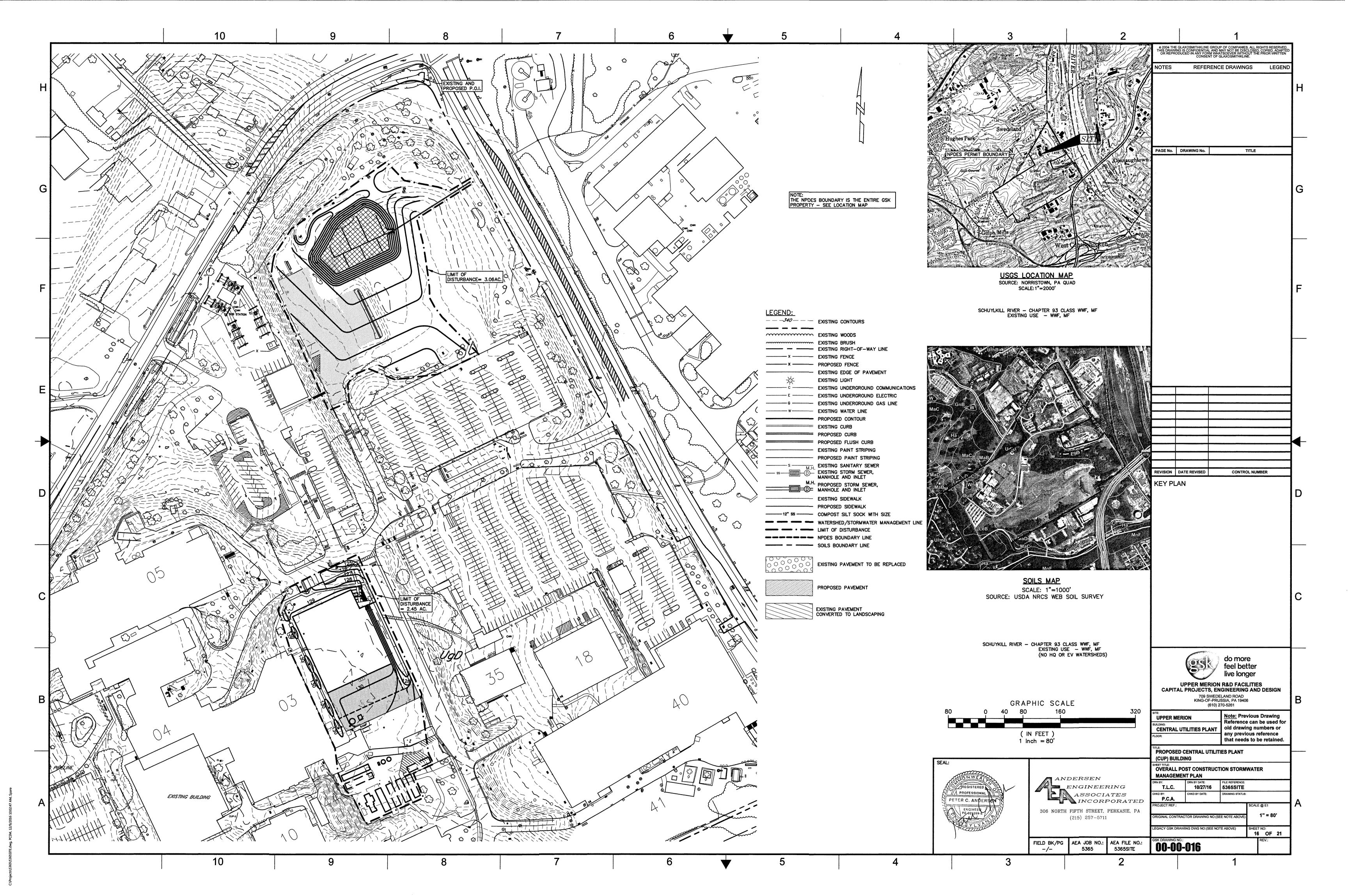
| STANDARD E&S CONTROL PLAN | NOTES | | | | © 2004 THE GLAXOSMITHKLINE GROUP OF COMPANIES, ALL RIGHTS RESERV THIS DRAWING IS CONFIDENTIAL AND MAY NOT BE DISCLOSED, COPIED, ADAI OR REPRODUCED IN ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITT CONSENT OF GLAXOSMITHKLINE. |
|---|--|---|---|--|--|
| 1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE | 9. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES - 6 TO 12 | OPTIONAL NOTES | SEEDING SPECIFICATIONS: | SEEDING NOTES: | NOTES REFERENCE DRAWINGS LEGE |
| WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING | INCHES ON COMPACTED SOILS PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM | THE FOLLOWING NOTES SHOULD BE ADDED TO PLAN DRAWINGS AS APPLICABLE. | TEMPORARY SEEDING AND MULCHING SPECIFICATIONS | 1. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED MUST BE SEEDED AND MULCHED IMMEDIATELY. DURING | |
| AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION | 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL. | 1. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER | A) LIME: PULVERIZED AGRICULTURAL LIMESTONE. APPLICATION RATE: 80 LBS. PER 1000 S.F. | NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MAY BE SEEDED | |
| OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND | 20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE | DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR UNDERGROUND SYSTEMS. | (DETERMINE ACTUAL NEED FOR LIME WITH SOIL TEST) B) FERTILIZER: 10-20-20 ANALYSIS COMMERCIAL FERTILIZER | AND MULCHED WITH A QUICK GROWING TEMPORARY SEEDING MIXTURE AND MULCH. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OF WILL | |
| APPROVAL AT ITS DISCRETION. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH | EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN | 2. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS | APPLICATION RATE: 192 LBS. PER 1000 S.F. | NOT BE REDISTURBED WITHIN 1 YEAR MUST BE SEEDED AND MULCHED WITH A PERMANENT SEED MIXTURE AND MULCH. | |
| DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL | ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. | INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES. | C) SEED: ANNUAL RYE GRASS APPLICATION RATE: 3 LBS. PER 1000 S.F. | 2. SWALES, DETENTION BASINS, SEDIMENT TRAPS, STOCKPILES AND OTHER | |
| CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN | 21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS. | 3. UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE | D) MULCH: STRAW OR UNROTTED SALT HAY TO BE APPLIED | STRUCTURAL EROSION CONTROL DEVICES MUST BE SEEDED AND MULCHED IMMEDIATELY. | |
| PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN. AND A REPRESENTATIVE FROM THE LOCAL | 22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR | CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS—SECTION AND | AFTER SEEDING APPLICATION RATE: 3 TONS PER ACRE OR | SOUTHEAST RAIN GARDEN MIX | PAGE No. DRAWING No. TITLE |
| CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING. | OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. | PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS | 138 LBS. PER 1000 S.F. PERMANENT SEEDING AND MULCHING SPECIFICATIONS | ERNMX # ERNMX-180-2 SEEDING RATE 20 LB PER ACRE | |
| 3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA | 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED | COMPLETE. | A) LIME: PULVERIZED AGRICULTURAL LIMESTONE. | MIX TYPE Storm Water Management Facility Sites 21% Beaked Panicgrass, SC Ecotype (Panicum anceps, SC Ecotype) | |
| PREVIOUSLY UNMARKED. THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES. | INTO FILLS. 24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN | 4. CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED TO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER | APPLICATION RATE: 50 LBS. PER 1000 S.F. (DETERMINE ACTUAL NEED FOR LIME WITH SOIL TEST) | 18% Little Bluestem, 'Camper' (Schizachyrium scoparium, 'Camper') 16% Virginia Wildrye, GA Ecotype (Elymus virginicus, GA Ecotype) | |
| L ALL FARTH DISTLIBRANCE ACTIVITIES SHALL PROCEED IN | SURFACES. | PLACEMENT OF THE PROTECTIVE LINING. | B) FERTILIZER: 10-6-4 ANALYSIS COMMERCIAL FERTILIZER | 15% River Oats, Coastal Plain NC Ecotype (Chasmanthium latifolium (Uniola latifolia), Coastal Plain NC Ecotype) | |
| ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWNGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION | 25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER | 5. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET | APPLICATION RATE: 35 LBS. PER 1000 S.F. | 4% Purple Coneflower (Echinacea purpurea) 4% Partridge Pea, FL Ecotype (Chamaecrista fasciculata (Cassia f.), FL Ecotype) 7% Plantaged Constant Plain NO Frances (Purthaglis higher Constant Plain NO Frances) | |
| DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION. | APPROVED METHOD. | STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. | C) SEED: 60% KENTUCKY BLUEGRASS 30% CREEPING RED FESCUE 10% FINE LEAF RYE | 3% Blackeyed Susan, Coastal Plain NC Ecotype (Rudbeckia hirta, Coastal Plain NC Ecotype) 2% Greenwhite Sedge, Coastal Plain NC Ecotype (Carex albolutescens (C. longii), Coastal Plain NC Ecotype) | |
| STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS | 26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE | 6. SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES. | APPLICATION RATE: 6 LBS. PER 1000 S.F. | 2% Mistflower, FL Ecotype (Eupatorium coelestinum (Conoclinium c.), FL Ecotype) 2% Slender Woodoats, NC Ecotype (Chasmanthium laxum (Uniola laxa), NC Ecotype) | |
| AND OTHER OBJECTIONABLE MATERIAL. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE | VEGETATED. SEED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, | 7. ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE | D) MULCH: STRAW OR UNROTTED SALT HAY TO BE APPLIED AFTER SEEDING | 1.5% Lanceleaf Coreopsis, Coastal Plain NC Ecotype (Coreopsis lanceolata, Coastal Plain NC Ecotype) | |
| LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING | SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN. | IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED | APPLICATION RATE: 3 TONS PER ACRE OR 138 LBS. PER 1000 S.F. | 1.5% Largeflower Tickseed, Piedmont GA Ecotype (Coreopsis grandiflora, Piedmont GA Ecotype) 1% Tall Ironweed, SC Ecotype (Vernonia angustifolia, SC Ecotype) | |
| AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMP'S SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN | 27. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE | PROPERTY. | | 1% Showy Aster, NC Ecotype (Aster spectabilis, NC Ecotype) 1% Spotted Beebalm, Coastal Plain SC Ecotype (Monarda punctata, Coastal Plain SC Ecotype) | |
| INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN. | OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE | 8. UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AS AS-BUILT (RECORD DRAWING) FOR ANY | LAND USE | 1% Scaly Blazing Star, VA Ecotype (Liatris squarrosa, VA Ecotype) 1% White Wild Indigo, SC Ecotype (Baptisia albescens, SC Ecotype) 1% Leathery Rush, Coastal Plain NC Ecotype (Juncus coriaceus, Coastal Plain NC Ecotype) | |
| . AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES | PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN | SEDIMENT BASIN OR TRÀP TO THE MUNICÍPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT. | EXISTING LAND USE IS INDUSTRIAL - RESEARCH AND DEVELOPMENT. THE LAND USE IN THE PAST 50 YEARS WAS AGRICULTURAL. | 1% Slender Bushclover, VA Ecotype (Lespedeza virginica, VA Ecotype) 1% Rattlesnakemaster, FL Ecotype (Eryngium yuccifolium, FL Ecotype) | |
| SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING | ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN | 9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H: 1V OR STEEPER WITHIN 50 FEET OF A SURFACE | CRITICAL STAGES | 1% Eustis Lake Beardtongue, 'Suther'-NC Ecotype (Penstemon australis, 'Suther'-NC Ecotype) 0.5% Gray Goldenrod, VA Ecotype (Solidago nemoralis, VA Ecotype) | |
| OPERATIONS BEGIN. 3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION | ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS. | WATER AND ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS. | A CRITICAL STAGE OF IMPLEMENTATION FOR WHICH A LICENSED PROFESSIONAL OR DESIGNEE WILL BE PRESENT ON SITE WILL BE FOR THE CONSTRUCTION OF THE DETENTION AND INFILTRATION BASINS AND THE UNDERGROUND INFILTRATION BASIN. | 0.5% Anise Goldenrod, GA Ecotype (Solidago odora, GA Ecotype) Total: 100% | |
| SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE | 28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER | 10. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, | | Total: 100% | |
| FINISH GRADÍNG OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE | PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND | LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM | THERMAL IMPACTS IT IS ANTICIPATED THAT THE INFILTRATION BMP'S WILL ACT TO ATTENUATE | E&S BMP's INSPECTION. REPORTING. AND MONITORING: | |
| PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H: 1V OR FLATTER. | FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS. | LATERED LIFTS AT % DENSITY. | THERMAL IMPACTS. | A. EXCEPT FOR DATA DETERMINED TO BE CONFIDENTIAL UNDER SECTION 607 OF THE CLEAN STREAMS LAW (35 P.S. §691.607), | |
| . IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES | 29. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY | RESPONSES TO SOIL LIMITATIONS: | GEOLOGIC FORMATIONS/SOIL CONDITIONS THE SITE DOES NOT APPEAR TO HAVE NATURAL OCCURRING GEOLOGIC | ALL REPORTS PREPARED IN ACCORDANCE WITH THE TERMS OF THIS PERMIT SHALL BE AVAILABLE FOR PUBLIC INSPECTION AT THE OFFICES OF THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT. AS REQUIRED BY THE CLEAN WATER ACT, THE CLEAN STREAMS LAWS, AND 25 PA. CODE. AND THE DEPARTMENT'S REGULATIONS, PERMIT APPLICATIONS, PERMITS, AND OTHER | |
| POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT | STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR | *USE SUFFICIENT AND PROPER BEST MANAGEMENT PRACTICES TO MINIMIZE EROSION. | FORMATIONS OR SOIL CONDITIONS THAT MAY HAVE THE POTENTIAL TO CAUSE POLLUTION. | DOCUMENTS RELATED TO THIS PERMIT SHALL NOT BE CONSIDERED CONFIDENTIAL. | |
| APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL | THE DEPARTMENT. 50. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES | *DO NOT PERFORM TRENCHING, BACKFILLING OR COMPACTING WHEN WEATHER CONDITIONS OR THE CONDITION OF MATERIAL | MEASURES FOR RECYCLING/DISPOSAL OF WASTES | B. THE PERMITTEE AND CO-PERMITTEE(S) SHALL RETAIN RECORDS OF ALL MONITORING INFORMATION INCLUDING COPIES OF ALL MONITORING AND INSPECTION REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF DATA USED TO COMPLETE THE NOTICE OF | |
| OFFICE OF THE DEPARTMENT. | AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE | IS SUCH, IN THE OPINION OF THE ENGINEER, THAT WORK CANNOT BE PERFORMED SATISFACTORY. | BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST ASSURE THAT EACH SUCH BORROW OR RECEIVING AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE COUNTY CONSERVATION | INTENT FOR THIS PERMIT, FOR A PERIOD OF THREE YEARS FROM THE DATE OF THE TERMINATION OF COVERAGE UNDER THE PERMIT. | |
| D. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE | LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMP'S. | *DO NOT USE BACKFILL MATERIALS CONTAINING MOISTURE IN EXCESS OF THE AMOUNT NECESSARY FOR COMPACTION. | DISTRICT AND WHICH IS BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102 REGULATIONS. ALL PAVING DEBRIS AND ROCKS REMOVE DURING | C. THE PERMITTEE AND CO-PERMITTEE(S) MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY, AND WITHIN 24 HOURS AFTER EACH STORM WATER EVENT THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL THE RECEIPT AND | |
| MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET. SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR | 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE | *PLAN WORK SO AS TO PROVIDE ADEQUATE PROTECTION DURING STORMS WITH PROVISIONS AVAILABLE FOR PREVENTING | FINAL LANDSCAPE RESTORATION SHALL BE COMPLETELY REMOVED FROM SITE AND DISPOSED OF IN THE PROPER MANNER. THERE SHALL BE NO ON—SITE BURIAL OR BURNING OF ANY MATERIAL. | ACKNOWLEDGEMENT OF THE NOT BY THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT. THE VISUAL SITE INSPECTIONS AND REPORTS SHALL BE COMPLETED IN A FORMAT PROVIDED BY THE DEPARTMENT, AND CONDUCTED BY QUALIFIED PERSONNEL TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL. TO ASCERTAIN THAT E&S BMPS AND PCSM BMPS ARE | |
| WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE. | REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMP'S. AREAS | FLOOD DAMAGE. | CONSTRUCTION WASTES EXPECTED TO BE CREATED DURING THE PROJECT CONSIST | PROPERLY CONSTRUCTED AND MAINTAINED TO EFFECTIVELY PREVENT POLLUTION TO THE WATERS OF THIS COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT AND INCLUDE AT A MINIMUM: | |
| 1. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT | DISTURBED DURING REMOVAL OR CONVERSION OF THE BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO | *KEEP EXCAVATIONS FREE FROM WATER DURING THE PERFORMANCE OF WORK. PROVIDE AND OPERATE PUMPS WITH | OF WOOD DEBRIS, OLD FILL MATERIAL, VEGETATIVE MATERIAL, EXCESS CONCRETE AND BUILDING MATERIAL. | (1) A SUMMARY OF SITE CONDITIONS, E&S BMP AND PCSM BMP, IMPLEMENTATION AND MAINTENANCE AND COMPLIANCE ACTIONS; AND | |
| OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED. | ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON. | SUFFICIENT CAPACITY FOR DEWATERING THE EXCAVATIONS. PONDED WATER TO BE PUMPED THROUGH A FILTER BAG. | DETENTION AND INFILTRATION BASINS AND AN UNDERGROUND INFILTRATION BASIN ARE THE BEST MANAGEMENT PRACTICES PROPOSED TO CONTROL STORM WATER | (2) THE DATE, TIME, NAME AND SIGNATURE OF THE PERSON CONDUCTING THE INSPECTION. | REVISION DATE REVISED CONTROL NUMBER |
| 2. THE CONTRACTOR IS RESPONSIBLE OR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL, FORM FP-001 | 12. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES | *USE SEED SUITED FOR SITE CONDITIONS; PROVIDE SUFFICIENT TOPSOIL PREPARATION AND MULCHING. | RUNOFF AFTER CONSTRUCTION. | D. WHERE E&S OR PCSM BMPS ARE FOUND TO BE INOPERATIVE OR INEFFECTIVE DURING AN INSPECTION, OR ANY OTHER TIME, THE PERMITTEE AND CO-PERMITTEE(S) SHALL IMMEDIATELY CONTACT THE DEPARTMENT OR AUTHORIZED CONSERVATION DISTRICT, BY | KEY PLAN |
| MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A | AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE | *WORK DURING WARM WEATHER MONTHS TO ACHIEVE THESE ENDS. | NIDDEC CENEDAL CITE NOTEC | PHONE OR PERSONAL CONTACT, FOLLOWED BY THE SUBMISSION OF A WRITTEN REPORT WITHIN 5 DAYS OF THE INITIAL CONTACT, NONCOMPLIANCE REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION: | |
| REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING. | LOCAL CONSERVÁTION DISTRICT TO SCHEDULE A FINAL INSPECTION. | ENDS. | NPDES GENERAL SITE NOTES | (1) ANY CONDITION ON THE PROJECT SITE WHICH MAY ENDANGER PUBLIC HEALTH, SAFETY, OR THE ENVIRONMENT, OR INVOLVE INCIDENTS WHICH CAUSE OR THREATEN POLLUTION; | |
| DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS | 33. FAILURE TO CORRECTLY INSTALL E&S BMP'S, FAILURE TO PREVENT SEDIMENT—LADEN RUNOFF FROM LEAVING THE | EAC CONCEDUCTION CECUENCE | THIS PROJECT WAS DESIGNED TO MINIMIZE EXTENT AND DURATION OF EARTH DISTURBANCE, BY STABILIZING ANY DISTURBED AREAS AS SOON AS POSSIBLE. | (2) THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIMES AND/OR ANTICIPATED TIME WHEN THE ACTIVITY WILL | |
| PLAN, OVER UNDISTURBED VEGETATED AREAS. 4. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR | CONSTRUCTION SITE OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMP'S MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL | E&S CONSTRUCTION SEQUENCE NOTE: ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN | THIS PROJECT WAS DESIGNED TO PROTECT EXISTING DRAINAGE FEATURES AND EXISTING VEGETATION BY LIMITING LAND CLEARING AND GRADING. | RETURN TO COMPLIANCE; | |
| EXIT DIRECTLY FROM SITE EXCEPT AT EXISTING ENTRANCE GATES. | PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN | ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS | 3. THIS PROJECT WAS DESIGNED TO MINIMIZE SOIL COMPACTION, BY LIMITING THE USE OF EQUIPMENT IN AREAS OF DISTURBANCE AND AREAS THAT ARE OUTSIDE OF THE | (3) STEPS BEING TAKEN TO REDUCE, ELIMINATE, AND PREVENT RECURRENCE OF THE NONCOMPLIANCE; AND(4) THE DATE OR SCHEDULE OF DATES, AND IDENTIFYING REMEDIES FOR CORRECTING NONCOMPLIANCE CONDITIONS. | |
| 5. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT | STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 | INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY THOSE AREAS DESCRIBED IN EACH STAGE. A PROFESSIONAL OR DESIGNEE WILL BE PRESENT ON SITE | DISTURBED AREA. | (4) THE DATE ON SOMEDOLE OF DATES, AND IDENTIFY THIS NEMEDIES FOR CONNECTING NORCOMIC LIANCE CONDITIONS. | |
| BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL | IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION. | DURING INSTALLATION OF STORMWATER BMPS THAT ARE LISTED AS CRITICAL STAGES. | 4. THIS PROJECT UTILIZES SOIL AMENDMENTS, INFILTRATION, LANDSCAPING, INFILTRATION BASIN AND DETENTION FACILITIES TO MINIMIZE CHANGES IN STORMWATER RUNOFF. | MEASURES FOR RECYCLING OR DISPOSAL OF MATERIALS | |
| PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, | | DELINEATE THE LIMIT OF DISTURBANCE WITH CONSTRUCTION FENCE. (TOTAL 1 DAY) | 5. THERE ARE NO KNOWN GEOLOGIC OR SOIL CONDITIONS THAT MAY HAVE THE POTENTIAL TO CAUSE POLLUTION. | BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE OPERATOR MUST ASSURE THAT EACH SUCH BORROW OF RECEIVING AREA HAS AN EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE COUNTY CONSERVATION DISTRICT AND WH | CH CH |
| REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMP'S FAIL TO PERFORM AS EXPECTED. REPLACEMENT BMP'S. OR MODIFICATIONS OF THOSE | PROPOSED AREA OF DISTURBANCE = 5.51 AC. | 2. INSTALL EROSION AND SEDIMENT CONTROL BMPS IN THE | 6. IT IS NOT ANTICIPATED THAT ANY MATERIAL THAT COULD CAUSE POLLUTION WILL BE ENCOUNTERED. | IS BEING IMPLEMENTED AND MAINTAINED ACCORDING TO CHAPTER 102 REGULATIONS. ALL PAVING DEBRIS AND ROCKS REMOVE DURING FINAL LANDSCAPE RESTORATION SHALL BE COMPLETELY REMOVED FROM SITE AND DISPOSED OF IN THE PROPER MANNE | |
| INSTALLED WILL BE REQUIRED. | RESPONSIBILITIES FOR FILL MATERIAL | FOLLOWING ORDER: 1. CONSTRUCTION ENTRANCE | 7. THERE AREN'T ANY EXISTING OR PROPOSED RIPARIAN BUFFERS OR PROPOSED | THERE SHALL BE NO ON-SITE BURIAL OR BURNING OF ANY MATERIAL. | |
| 6. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE | THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ENVIRONMENTAL DUE DILIGENCE AND DETERMINE THAT ALL FILL | 2. COMPOST FILTER SOCK (TOTAL 2 DAYS) 3. CONSTRUCT SEDIMENTATION TRAP. (4 DAYS) — CRITICAL STAGE | INFILTRATION BMP'S LOCATED OUTSIDE OF THE LIMITS OF DISTURBANCE OR OUTSIDE OF THE PROPOSED GRADING AREAS. | | |
| CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION. | IMPORTED TO THE SITE MEETS THE DEP DEFINITION OF CLEAN FILL. THE RESPONSIBILITIES OF DUE DILIGENCE INVOLVES INVESTIGATIVE | 4. DEMOLISH EXISTING STRUCTURES AS NECESSARY. | 8. THERE AREN'T ANY RIPARIAN FOREST BUFFERS INSIDE OR OUTSIDE OF THE LIMIT OF DISTURBANCE. | SOIL TYPES AND LIMITATIONS | |
| 7. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK | TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF | 5. CLEAR AND GRUB AREA TO BE GRADED FOR PROPOSED IMPROVEMENTS (2 DAYS). | 9. THERE AREN'T ANY RIPARIAN BUFFERS OFFSET. | SOILS TAKEN FROM THE SOIL SURVEY OF MONTGOMERY COUNTY, PENNSYLVANIA MAP SYMBOL & STREETS/ROAD LAWNS & PONDS | |
| SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT | OWNERSHIP AND USE HISTORY OF PROPERTY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. | 6. ROUGH GRADE AREA FOR PROPOSED IMPROVEMENTS. | 10. NO RIPARIAN BUFFER IS PROPOSED AS PART OF THIS PROJECT, | SOIL NAME STREETS/ROAD LAWNS & LANDSCAPING RESERVOIR AREAS EMBANKMENTS | do more |
| BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER. | CLEAN FILL SHALL BE UNCONTAMINATED, NON-WATER-SOLUBLE, | 7. TEMPORARILY STABILIZE DISTURBED AREA. | 11. NO NON-DISCHARGE AND/OR ABACT BMP'S PROPOSED. | U-D WDDAN LAWS | feel better |
| 3. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWNGS. | NON-DECOMPOSED INERT SOLID MATERIAL. CLEAN FILL INCLUDES SOIL, ROCK, STONE DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION | 8. INSTALL STORM SEWER, SANITARY SEWER (10 DAYS) - CRITICAL STAGE | 12. THIS PLAN PRESERVES THE INTEGRITY OF STREAM CHANNELS AND MAINTAINS AND PROTECTS THE PHYSICAL, BIOLOGICAL AND CHEMICAL QUALITIES OF THE RECEIVING STREAM, BY MAINTAINING THE WATER QUALITY FROM THE AREAS OF CONSTRUCTION. | UgD URBAN LAND | live longer UPPER MERION R&D FACILITIES |
| The Fundament | ACTIVATES THAT IS SEPARATE FROM OTHER WASTE AND RECOGNIZED AS SUCH. (25 PA CODE §§ 271.101 AND 287.101) | 9. CONSTRUCT PROPOSED PARKING AND BUILDING. STABILIZE | 13. THIS PROJECT WAS DESIGNED TO MINIMIZE GENERATION OF INCREASED STORMWATER | | CAPITAL PROJECTS, ENGINEERING AND DESIGN 709 SWEDELAND ROAD |
| TICAL STAGE TO BE INSPECTED: | THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE NOTED. | DISTURBED AREAS OF EACH AS THEY ARE COMPLETED (180 DAYS) | RUNOFF, BY LIMITING THE AMOUNT OF IMPERVIOUS SURFACE. 14. THIS PROJECT WAS DESIGNED TO MINIMIZE NEW IMPERVIOUS AREAS, BY LIMITING THE | RESOLUTION TO SOIL LIMITATIONS FOR SOILS TO BE DISTURBED | KING-OF-PRUSSIA, PA 19406 (610) 270-5261 |
| CONSTRUCT DRY EXTENDED BASIN/RAIN GARDEN WITH OUTLET | THE CONTRACTOR SHALL PERFORM A PA DOT CLEAN FILL ENVIRONMENTAL DUE DILIGENCE PHASE 1 INSPECTION. FILL | 10. CONVERT SEDIMENTATION TRAP TO RAIN GARDEN/DETENTION BASIN (5 DAYS) | NUMBER OF PARKING SPACES TO BE MINIMUM REQUIRED BY THE BOROUGH ZONING ORDINANCE. FURTHERMORE, SOME OF THE PARKING WILL NOT BE INSTALLED UNTIL IT | MAP SYMBOL & STREETS/ROAD LAWNS & PONDS | UPPER MERION Note: Previous Drawing Reference can be used |
| PIPE AND OUTLET STRUCTURE. | MATERIAL THAT DOES NOT PASS THE PHASE 1 INSPECTION SHALL NOT BE USED ON SITE. | 11. INSTALL OUTLET STRUCTURE, UNDER DRAIN AND OUTLET PIPE. | IS REQUIRED. | SOIL NAME LANDSCAPING RESERVOIR AREAS EMBANKMENTS | CENTRAL UTILITIES PLANT any previous reference |
| NSTALL ALL REMAINING STORM SEWER INCLUDING. COMPLETE DRY EXTENDED BASIN/RAIN GARDEN BASIN GRADING, | RECEIVING WATERS CLASSIFICATION | (5 DAYS) 12. FINE GRADE. (2 DAYS) | 15. THIS PROJECT WAS DESIGNED TO PROTECT EXISTING DRAINAGE FEATURES BY RESTRICTING THE AMOUNT OF DISTURBANCE. | UgD URBAN LAND PUMP PONDED WATER TO SEDIMENT BASIN OR THROUGH A DIRT BAG NO LIMITATIONS NO LIMITATIONS USE FOR CORE OF EMBANKMENT | that needs to be retaine |
| ERTILIZE SEED AND MULCH. | THE RECEIVING WATERS FOR ALL DRAINAGE AREAS OF THE PROPOSED PROJECT ARE TO A TRIBUTARY TO THE SCHUYKILL | 13. PERMANENTLY STABILIZE DISTURBED AREAS. (2 DAYS) | 16. THIS PROJECT IS NOT IN A HQ OR EV WATERSHED. | | PROPOSED CENTRAL UTILITIES PLANT (CUP) BUILDING |
| REPLACE TOPSOIL AND SOIL AMENDMENTS WITHIN INFILTRATION BASIN/DETENTION BASIN. | RIVER. THE PA DEP CHAPTER 93 CLASSIFICATION IS WWF, MF. | 14. ONCE PERMANENT STABILIZATION HAS BEEN ACHIEVED, REMOVE | 17. NO WETLANDS WILL BE DISTURBED. THERE ARE NO WETLANDS ON THIS SITE. 18. NO PROPRIETARY BMP SYSTEMS ARE PROPOSED. | SEAL: | SHEET TITLE: EROSION AND SEDIMENT CONTROL NOTES |
| | NOTIFICATION REGARDING MAINTENANCE OF | ALL EROSION AND SEDIMENT CONTROL BMP'S AND RE-STABILIZE AFFECTED AREAS. | 19. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER | ANDERSEN | DRN BY: DRN BY DATE: FILE REFERENCE: |
| S CONTROL BND MAINTENIANCE BROODAM | PUBLIC STREETS DURING CONSTRUCTION ACTIVITY | <u>ry</u> | DESCRIBED ON THE PLANS. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS, OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES | ENGINEERING ASSOCIATES | T.L.C. 10/27/16 5365SITE |
| S CONTROL BMP MAINTENANCE PROGRAM IL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs | MUD SEDIMENT AND/OR DEBRIS TRACKED FROM THE SITE ONTO PUBLIC CARTWAY SHALL BE IMMEDIATELY REMOVED BY BROOMING AND/OR | | PROMETOR STORES AND IMMEDIATELT STABILIZED, OK PLACED IN TOPSUIL STOCKPILES | PROFESSION INCORPORATE | PROJECT REF.: SCALE @ E1 |
| T BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE PECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPs AFTER | MECHANICAL MEANS TO THE SATISFACTION OF THE TOWNSHIP. USE OF A BACKHOE BUCKET TO SCRAP ROADWAY SURFACE IS PROHIBITED. | SOIL SYMBOL SOIL NAME | SLOPE (%) DEPTH TO DEPTH TO SEASONAL DRAINAGE CLASS RETROCK HIGH WATER TABLE RATING | LAND HYDROLOGIC HYDRIC CAPABILITY SOIL GROUP SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL | PA ORIGINAL CONTRACTOR DRAWING NO:(SEE NOTE ABOVE) NOT TO SCA |
| H RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, LACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, | WHERE MUD AND/OR SEDIMENT IS CAUSING SLICK AND/OR HAZARDOUS CONDITIONS, ROADWAY SURFACE SHALL BE IMMEDIATELY PRESSURE WASHED TO REMOVE CONDITION. ALL SEDIMENT LADEN WATER MUST BE | | BEDROCK FILES WATER TABLE INAMES | | LEGACY GSK DRAWING DWG NO:(SEE NOTE ABOVE) SHEET NO: 11 OF 21 |
| T BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT TROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs | FILTERED IN A MANURE SATISFACTORY TO THE BUCKS COUNTY CONSERVATION DISTRICT BEFORE ENTERING STORM SEWERS AND/OR | | OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE "WEB SOIL SURVEY" | FIELD BK/PG AEA JOB NO.: AEA FILE | GSK DRAWING NO.: REV.: |
| MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED. | DRAINAGE CHANNELS. | SOURCE, UNITED STRIES DEFARIMENT | | -/- 5365 5365SI | |

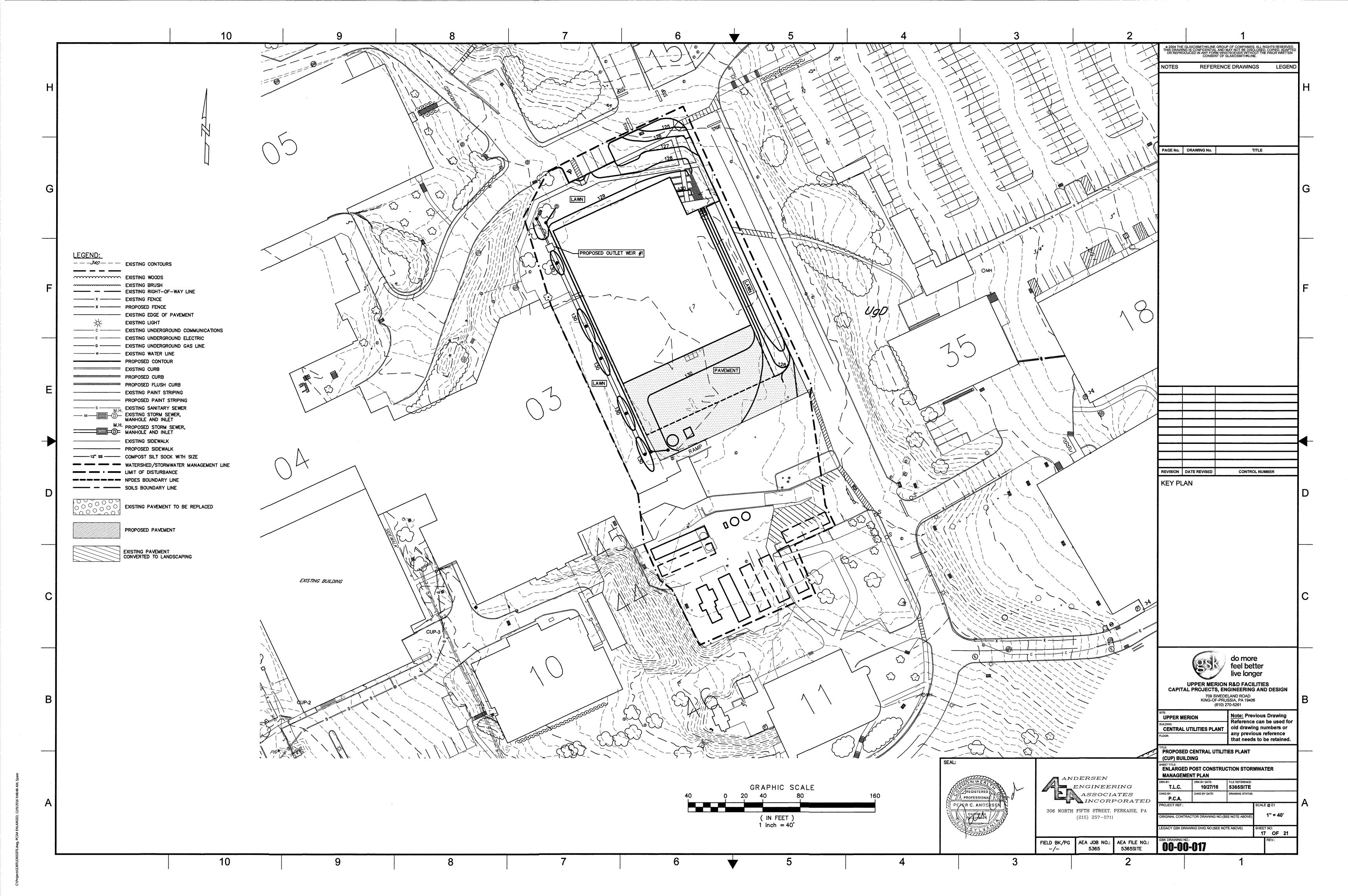


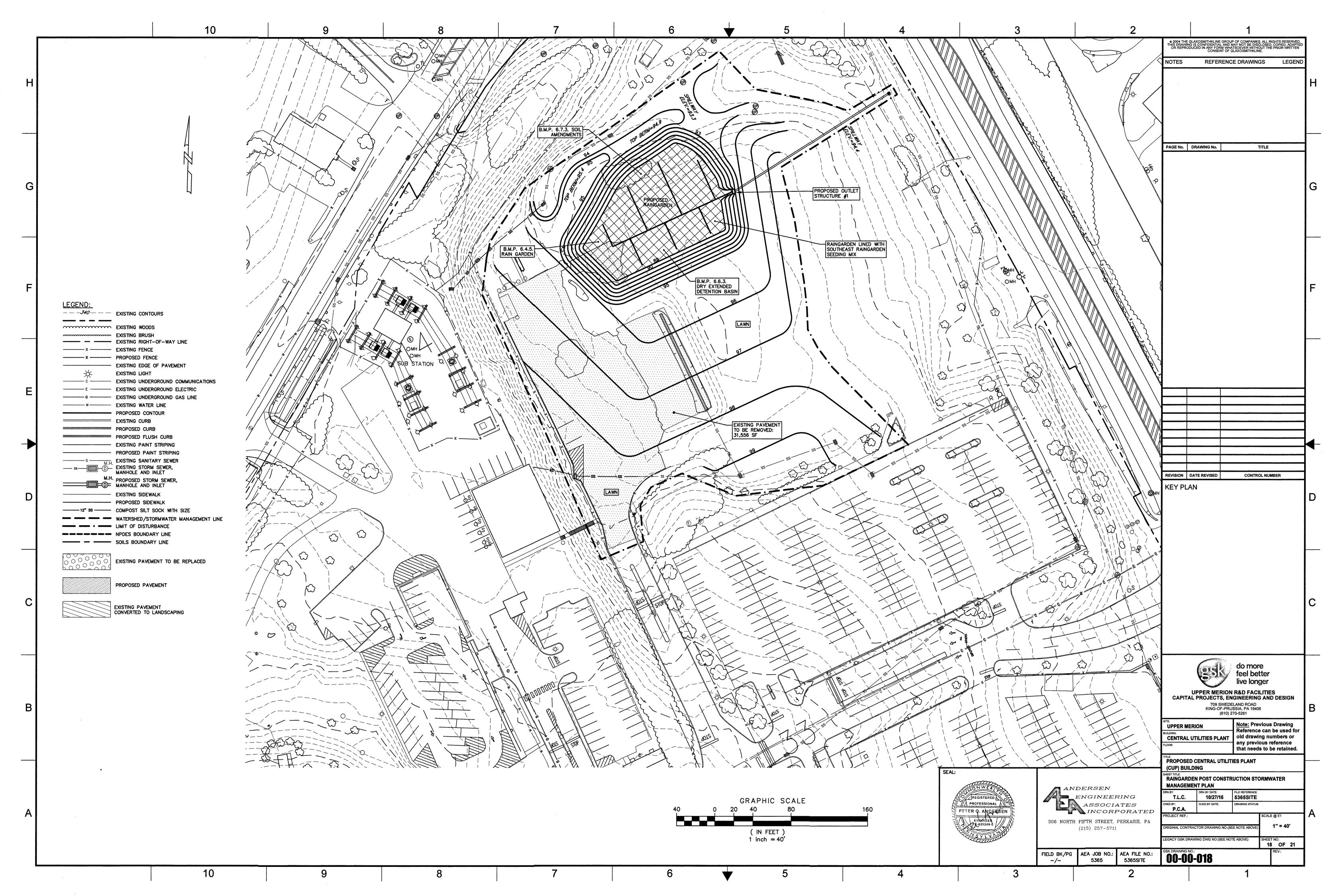












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GINAL CONTRACTOR DRAWING NO:(SEE NOTE ABOVE

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