

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS' AFFAIRS

ANNVILLE, PENNSYLVANIA

JOSH SHAPIRO, GOVERNOR

MAJOR GENERAL MARK J. SHINDLER, THE ADJUTANT GENERAL

PROJECT NO.: ZAWA 192006 / DMVA 42220185

BUILDING 201 DEMOLITION

BIDDLE AIR NATIONAL GUARD BASE, HORSHAM, MONTGOMERY COUNTY, PENNSYLVANIA

DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BUILDING 0-10, CHAPEL ROAD, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

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ARCHITECTURAL DWGS. N/A

STRUCTURAL DWGS. N/A

HVAC CONSTRUCTION

HVAC DWGS. N/A

PLUMBING CONSTRUCTION

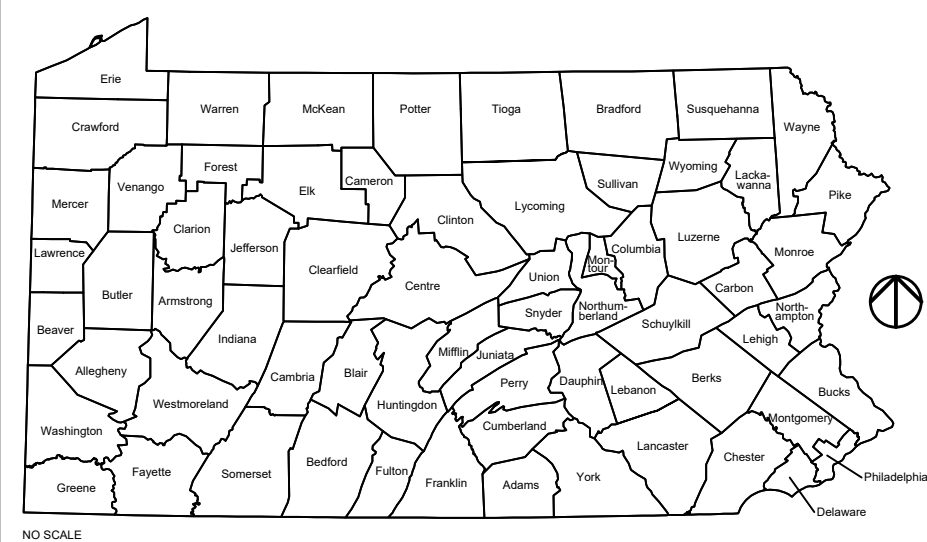
PLUMBING DWGS. N/A

ELECTRICAL CONSTRUCTION

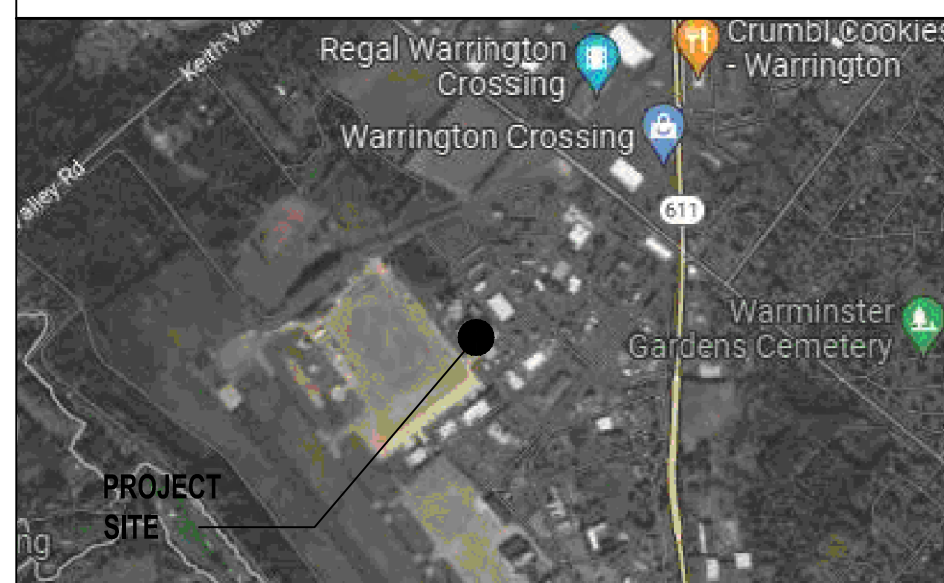
ELECTRICAL DWGS. N/A

CODE APPROVALS

PROJECT LOCATION MAP



VICINITY MAP



CAMPUS / KEY PLAN

NO.	DESCRIPTION	DATE

REVISIONS

Drawings Listed In Index:
BEA Electronic Approval _____ DATE _____

Professional's Signature _____ Date _____ Professional's Signature _____ Date _____
COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERANS' AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

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BLDG. 0-10, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: ZAWA 192006 / 42220185
**BUILDING 201
DEMOLITION**
BIDDLE AIR NATIOANL GUARD BASE
HORSHAM, MONTGOMERY CO., PENNSYLVANIA

COVER SHEET

DRAWN BY K. LLOYD	DATE 1 APR 2023	DRAWING NO. G.1.0
CHECKED BY L. STEFANIK	SCALE AS NOTED	

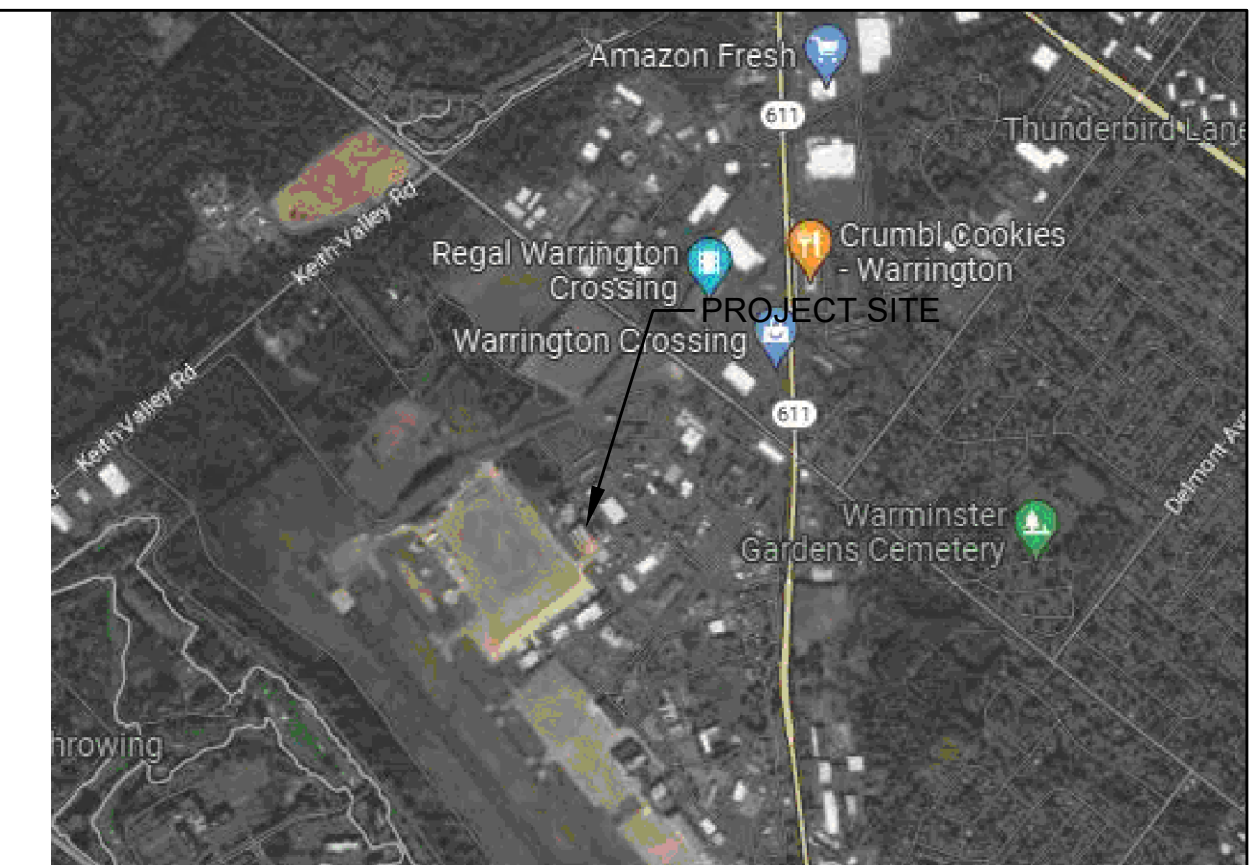


EXISTING SITE/DEMO PLAN
 SCALE: 1" = 40'
 SCALE IN FEET



PROJECT / DEMOLITION NOTES

1. THE CONTRACTOR IS REQUIRED TO SUBMIT A REQUEST FOR A DIGGING PERMIT, THROUGH THE BASE CIVIL ENGINEERS OFFICE, BUILDING 232, PHONE NO. (215)323-8335, 10 DAYS PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO THE START OF WORK AND INCLUDE THESE MARKING LOCATIONS ON THE AS-BUILT DRAWINGS.
2. ALL UTILITIES HAVE BEEN DISCONNECTED TO THIS FACILITY, PER BASE CIVIL ENGINEERS OFFICE. IF THE CONTRACTOR ENCOUNTERS ANY UTILITY CONNECTIONS, WORK SHOULD BE PAUSED AND THE CONTRACTOR WILL CONTACT THE BASE CIVIL ENGINEER OFFICE IMMEDIATELY FOR FURTHER DIRECTION.
3. BASE ENTRY/EXIT FOR THE CONTRACTOR WILL BE VIA THE CONTRACTING GATE. ALL VEHICLES WILL BE SEARCHED UPON EACH ENTRY BACK ONTO BASE.
4. ALL AREAS OF DEMOLITION WILL BE RETURNED TO GRASS. THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE APPROXIMATELY 2" OF CLEAN SOIL FILL, 4" OF TOPSOIL, FERTILIZER, STRAW MULCH AND SEED. SEE NOTES AND SPECIFICATIONS. THE FINAL GRADING OF SITE WILL BE GENERALLY LEVEL, ENSURING POSITIVE DRAINAGE TO ANY REMAINING STORM-WATER MANAGEMENT FEATURES, WITHIN THE PROJECT LIMITS, AND MATCHING FLUSH AND LEVEL WITH ADJOINING PAVEMENT EDGES.
5. THE CONTRACTOR WILL BE REQUIRED TO PLACE TEMPORARY 6" HIGH CHAIN-LINK SAFETY FENCE AROUND PERIMETER OF PROJECT SITE TO PREVENT ACCESS AND DELINEATE THE PROJECT PERIMETER. EXACT LOCATION OF FENCE TO BE COORDINATED WITH BASE CIVIL ENGINEER'S OFFICE.
6. ATTACHED TO THIS PACKAGE ARE MAPS DEPICTING UTILITIES AND MONITORING WELLS. THE CONTRACTOR WILL BE REQUIRED TO CONFIRM ALL HAZARDS WITH THE BASE CIVIL ENGINEERS OFFICE, WITHIN AND ADJACENT TO, THE PROJECT LIMITS, PRIOR TO ANY DEMOLITION WORK.
7. 18" FILTER SOCK WILL BE PLACED AROUND THE PERIMETER OF WORK AREA, SEE DETAIL SHEET C.1.1.
8. THE CONTRACTOR WILL SAW-CUT CLEAN EDGES WHERE PROJECT LIMITS CROSS EXISTING PAVEMENT AREAS. FINAL SAW-CUT LOCATIONS WILL BE COORDINATED WITH BASE CIVIL ENGINEERS OFFICE PRIOR TO START OF DEMOLITION.
9. THE SOIL, PAVEMENT, AND GROUNDWATER ON BIDDLE AIR NATIONAL GUARD BASE HAS BEEN DESIGNATED AS A PAS/PPDA IMPACTED AREA. THE CONTRACTOR SHALL ASSUME ANY ACCUMULATION OF GROUND WATER OR STORM-WATER RUNOFF, WITHIN THE PROJECT LIMITS, IS CONTAMINATED. IF THE VOLUME OF CONTAMINATED LIQUID IMPACTS THE DEMOLITION OPERATIONS, REQUIRING DE-WATERING, THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH PA-DEP AND PROPERLY REMOVE AND DISPOSE OF THE CONTAMINATED WATER TO A CERTIFIED DISPOSAL SITE. ANY MATERIAL DE-WATERING WILL BE COORDINATED WITH THE BIDDLE AIR BASE CIVIL ENGINEER'S OFFICE.



LOCATION MAP
 SCALE: 1" = 2,000'

SITE / CIVIL LEGEND

EXISTING	PROPOSED	
450	[450]	CONTOUR LINE
SS	SS	SANITARY SEWER
W	W	WATER LINE
E _{uk}	E	ELECTRIC - UNDERGROUND
E	E	ELECTRIC - OVERHEAD
C _u	C _u	FENCELINE
GAS	GAS	COMMUNICATION - UNDERGROUND
		PROPANE
		STORM SEWER
WV	WV	WATER VALVE
M	M	MANHOLE
447.75	447.75	SPOT ELEVATION
BENCHMARK	BENCHMARK	BENCHMARK ELEVATION
→	→	FLOW ARROW
○	○	UTILITY POLE
+	+	FIRE HYDRANT
■	■	CONCRETE HATCH
●	●	TREE
⊙	⊙	POLE MOUNTED AREA LIGHTING
—	—	PENNDOT STANDARD GUIDE RAIL
□	□	WATERLINE CURB STOP
■	■	STORM INLET
YCO	YCO	SANITARY YARD CLEAN OUT
T	T	ELECTRICAL TRANSFORMER W/ VAULT
G	G	GENERATOR
C	C	COMMUNICATIONS MANHOLE
E	E	ELECTRIC PULL-BOX
○	○	BOLLARD

NO.	DESCRIPTION	DATE
REVISIONS		

Professional's Signature _____ Date _____

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PROJECT NO.: ZAWA 192006 / 42220185

**BLDG. 201
 DEMOLITION**
 BIDDLE AIR GUARD STATION
 MONTGOMERY CO, HORSHAM, PENNSYLVANIA 19044

DEMO SITE PLAN

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING.
 0 1
 IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
 PA 1
 1-800-242-1776
 POC'S SERIAL NUMBER _____

DRAWN BY K. LLOYD	DATE 1 APR 2023	DRAWING NO. C.1.0
CHECKED BY L. STEFANIK	SCALE AS NOTED	

2.0 STABILIZATION NOTES

1. Stockpile heights must not exceed 35'. Stockpile slopes must be 2:1 or flatter.
2. Upon completion of an earth disturbance activity or any stage or phase of an activity, the contractor shall stabilize immediately the disturbed areas to protect from accelerated erosion. 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 may be stabilized in accordance with temporary seeding specifications. Disturbed areas, which are either at finished grade or will not be redisturbed within 1 year, must be stabilized in accordance with permanent seeding specifications.
3. Stockpiles must be stabilized immediately.
4. Hay or straw mulch must be applied at rates of at least 3.0 tons per acre.
5. Until the site has achieved final stabilization the contractor shall properly implement, operate and maintain all the best management practices. Maintenance shall include inspections of all erosion and sedimentation control after each runoff event and on a weekly basis. All preventative and remedial maintenance work, including clean out, repair, replacement, regrading, reseeding, remulching, and renetting, must be performed immediately.
6. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding or other movements.
7. Mulch with mulch control netting or erosion control blankets must be installed on all slopes greater than 3:1.

2.1 COMPOST FILTER SOCK

1. Compost sock should be placed parallel to contours with both ends of the sock extended upslope at a 45 degree angle to the rest of the sock to prevent end-arounds.
2. Socks placed on earthen slopes should be anchored with stakes driven through the center of the sock or immediately down slope of the sock as per detail.
3. Any section of compost sock, which has been undermined or topped, must be immediately replaced.

3.0 CONSTRUCTION SEQUENCE NOTES

1. All earth disturbance activities shall proceed in accordance with the following sequence. Each stage shall be completed in compliance with Chapter 102 regulations before any following stage is initiated. Clearing and grubbing shall be limited only to those areas described in each stage.
2. Flag the limit of disturbance.
3. Install Construction Entrance.
4. Install compost filter sock as per plan.
5. Mobilize construction equipment.
6. Clear and grub the site within the limits of disturbance.
7. Strip topsoil and stockpile and stabilize.
8. Complete demolition of the building.
9. Backfill and compact clean fill, spread 4" topsoil, seed and mulch.
10. After site is stabilized, remove temporary BMP's and stabilize.

4.0 GROUND COVER

4.1 Temporary Seeding

1. All grass areas disturbed by the work of this Project shall be seeded as follows:
2. Temporary seeding shall be done in areas where active work will not be performed for twenty days (20). Temporary seeding shall be done immediately after work ceases.
3. Apply agricultural lime and fertilizer as follows for temporary seeding:
 - 3.1. Agricultural Lime -- 50 pounds per 1,000 square feet
 - 3.2. Fertilizer -- 12 pounds per 1,000 square feet
4. Fertilizer shall be a commercial type 10-20-20.
5. Temporary seed mixture Annual Ryegrass -- 1 pound per 1,000 square feet.
6. All temporary seeding shall be mulched. Temporary seeding shall be watered as required to develop cover.
7. Mulch shall be straw, shall be clean and free from noxious weeds, and shall be applied at the rate of 140 pounds per 1,000 square feet.

4.2 Permanent Seeding

1. Permanent seeding shall take place in all disturbed areas as follows:
 - 2.1. Agricultural Lime -- 275 pounds per 1,000 square feet
 - 2.2. Fertilizer -- 25 pounds per 1,000 square feet
3. The fertilizer shall be a commercial type 10-20-20.
4. **Note:** If agricultural lime and fertilizer have been applied previously to the ground where the permanent seed is to be applied, the lime and fertilizer rates shall be reduced by the amount by what has been applied previously.
5. **Permanent Seed Mixture:** The following seed mixtures shall be applied as follows:
 - 6.1. 35% Creeping Red Fescue
 - 6.2. 27.5% Defiant Hard Fescue
 - 6.3. 27.5% Stonehenge Fescue
 - 6.4. 10% Annual Ryegrass
7. **Mulch:** Apply mulch to all permanently seeded areas.
 - 7.1. Materials: Straw, air-dried and free from undesirable seeds and course materials. Application: 140 pounds per 1,000 square feet.

5.0 MAINTENANCE PROGRAM

5.1 Emergency Erosion Protection

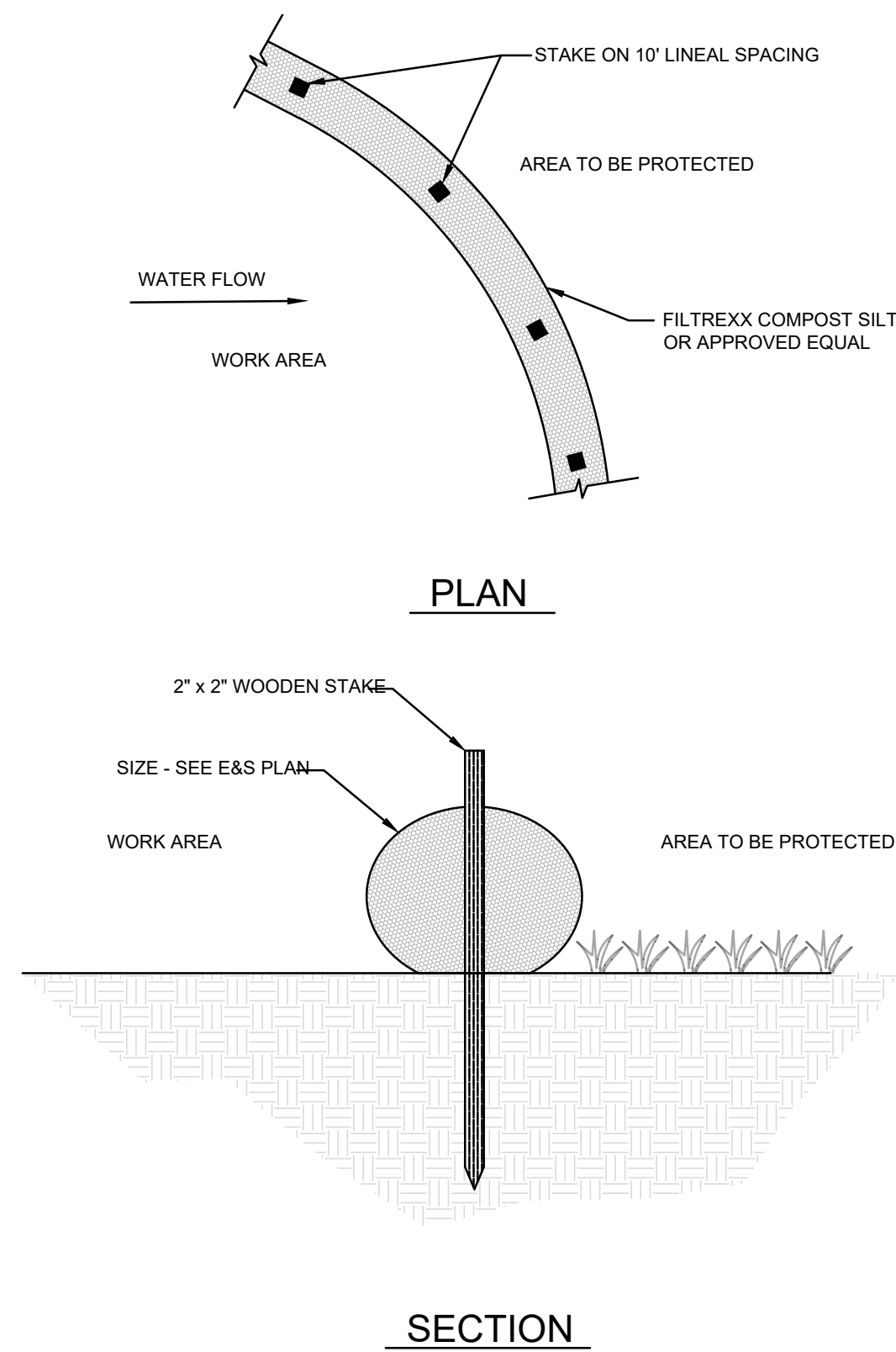
1. If erosion does occur, the contractor shall repair and reseed those areas or use other stabilization methods as required. The contractor shall use jute, wood fiber, or other tie down filter netting on top of the new seed as required, regardless of the slope of the land.
2. Mulched areas shall be checked weekly and immediately after severe storms for damage, until the mulching is no longer necessary for protection against erosion. Damaged portions of the mulch or tie down materials shall be repaired as soon as discovered.

5.2 Periodic Inspection Program

1. The contractor will regularly inspect the Project's erosion and sedimentation controls during the entire active construction stages. The inspections will be performed weekly or after all runoff events and the inspections shall be documented and records of repairs keep on site. The contractor will be responsible for the installation, operation, maintenance, and removal of all erosion and sedimentation controls. All preventative and remedial maintenance work, including clean out repair, replacement, regrading, reseeding, remulching, and renetting must be performed immediately. Sediment that has been trapped by the silt socks will be removed as required, and in all cases, before the accumulation has reached half the height of the BMP. Compost filter sock will be re-anchored, repaired, or replaced as necessary. All other controls will be inspected on the same schedule. If erosion and sediment control BMPs fail to perform as expected, replacement BMPs, or modification of those installed will be required.

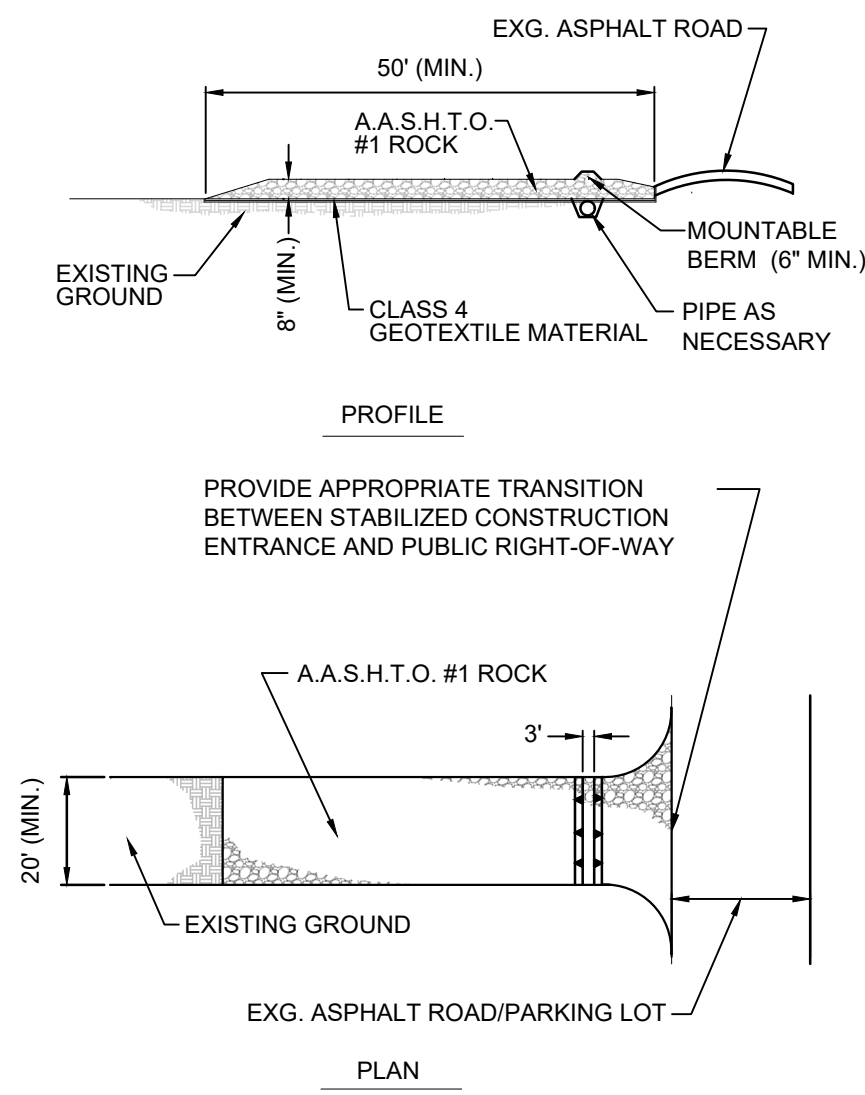
5.3 Removal of Controls and Continuing Maintenance

1. All required temporary erosion and sedimentation controls shall remain in place and be maintained until the area they protect has been stabilized.
2. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding or other movements.



MAINTENANCE NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT CONTROL IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. IF THE SEDIMENT CONTROL HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
3. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SEDIMENT CONTROL WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SEDIMENT CONTROL, OR AS DIRECTED BY THE ENGINEER. ALTERNATIVELY, A NEW SEDIMENT CONTROL CAN BE PLACED ON TOP OF AND SLIGHTLY BEHIND THE ORIGINAL ONE CREATING MORE SEDIMENT STORAGE CAPACITY WITHOUT SOIL DISTURBANCE.
4. SEDIMENT CONTROL SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
5. THE FILTERMEDIA WILL BE DISPERSED ON SITE ONCE DISTURBED AREA HAS BEEN PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY HAS CEASED, OR AS DETERMINED BY THE ENGINEER.
6. FOR LONG-TERM SEDIMENT AND POLLUTION CONTROL APPLICATIONS, SEDIMENT CONTROL CAN BE SEEDED AT THE TIME OF INSTALLATION TO CREATED A VEGETATIVE FILTERING SYSTEM FOR PROLONGED AND INCREASED FILTRATION OF SEDIMENT AND SOLUBLE POLLUTANTS (CONTAINED VEGETATIVE FILTER STRIP). THE APPROPRIATE SEED MIX SHALL BE DETERMINED BY THE ENGINEER.



PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF-WAY

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK COVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

ROCK CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50' INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITIS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.



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