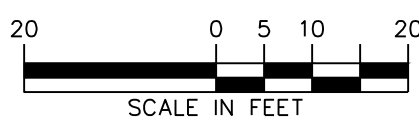


1 Site Grading and Erosion & Sediment Control Plan
SCALE: 1" = 20'



LEGEND:

ROCK CONSTRUCTION ENTRANCE

FILTER SOCK

EXISTING ELEVATION

EXISTING CONTOUR

Erosion and Sedimentation Control Notes

1. INSTALL ROCK CONSTRUCTION ENTRANCE 20' X 50' X 8" THICK AASHTO #1 AGGREGATE.
2. INSTALL SILT SOCK EROSION CONTROL (FILTER FABRIC SOCK (FILLED WITH WOOD CHIPS) AROUND AREA OF EXISTING DRAIN INLETS AND AS SHOWN ON THIS SHEET. SILT FENCE MUST BE IN PLACE BEFORE BEGINNING ANY CONSTRUCTION ACTIVITY.
3. REMOVE FROM SITE ANY SURPLUS EXCAVATED SOIL OR AGGREGATE ASSOCIATED WITH EXCAVATION FOR PAVED AREAS. SOIL SHALL NOT BE STOCKPILED ON SITE.
4. INSPECT SILT SOCK AND OTHER E&S CONTROLS WEEKLY AND EVERY RUNOFF EVENT. REPAIR AND/OR REPLACE ANY DEFICIENCIES IN THE E&S CONTROLS IMMEDIATELY. MAINTAIN 8" THICKNESS OF ROCK CONSTRUCTION ENTRANCE. PROVIDE STOCKPILED AASHTO #1 ROCK NEAR THE ENTRANCE.
5. SEED ALL DISTURBED, BARE SOIL AREAS IMMEDIATELY WITH ANNUAL RYE GRASS AT RATE OF 1.5 LBS PER 1000 SF. MULCH WITH STRAW AT RATE OF 100 LBS/1000 SF.
6. COLLECT ACCUMULATED SEDIMENT AND REUSE IN TOPSOILED AREAS PER LANDSCAPE PLAN.
7. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BMPs TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE ALLEGHENY COUNTY CONSERVATION DISTRICT.
8. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
9. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
10. FILL MATERIALS AND TOPSOIL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOIL, OR OTHER FOREIGN OR OBJECTIONABLE MATERIAL THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
11. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.

- Notes
1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND VERIFY LOCATION AND DEPTH OF UNDERGROUND UTILITIES BEFORE ANY TYPE OF EXCAVATION BEGINS. NOTIFY PA ONE CALL SYSTEM, INC. IN ACCORDANCE WITH PA ACT 38 FOR LOCATION AND MARKING OF UNDERGROUND UTILITIES.
 2. BEFORE ANY TYPE OF EXCAVATION BEGINS THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND UTILIZING AN UNDERGROUND UTILITY LOCATING SERVICE TO MARK ON THE GROUND SURFACE THE LOCATION OF UNDERGROUND UTILITIES ON SITE THAT ARE NOT COVERED IN THE PA ONE CALL NOTIFICATION.
 3. REPAIR AND RESTORE TO MATCH THE EXISTING GRADE AND CONDITION OF ANY GROUNDS, LANDSCAPING, WALKS, CURBS, PAVEMENT, STRUCTURES, ETC. DAMAGED OR IMPACTED IN ANY WAY BY EXCAVATIONS AND/OR CONSTRUCTION OPERATIONS ASSOCIATED WITH FOUNDATION CONSTRUCTION FOR THE BRIDGE.
 4. COMPACT SUBGRADE UNDER CONCRETE CURBS AND GUTTERS, CONCRETE SLABS, AND CONCRETE PEDESTRIAN PAVEMENT TO 95% ASTM D698.
 5. AT ASPHALT PAVED AREAS PROOF-ROLL EXPOSED SUBGRADE WITH FULLY LOADED DUMP TRUCK TO CHECK FOR SOFT SPOTS. REMOVE ANY AREAS THAT DEFLECT, RUT, OR PUMP EXCESSIVELY DURING PROOF-ROLLING, OR THAT FAIL TO CONSOLIDATE AFTER SUCCESSIVE PASSES TO SUITABLE SOILS AND REPLACE WITH COMPACTED AGGREGATE FILL. MAINTAIN SUBGRADE UNTIL SUCCEEDING OPERATION HAS BEEN ACCOMPLISHED. COMPACT AGGREGATE SUB-BASE COURSE UNDER ASPHALT PAVEMENT AND VEHICULAR CONCRETE PAVEMENT TO 95% ASTM D698.
 6. REPAIR AND RESTORE TO MATCH THE EXISTING CONDITION OF ANY GROUNDS, LANDSCAPING, WALKS, CURBS, PAVEMENT, STRUCTURES, AND THE LIKE DAMAGED OR IMPACTED IN ANY WAY BY EXCAVATIONS, AND/OR CONSTRUCTION OPERATIONS AND ACTIVITIES.
 7. ADJUST TOP ELEVATION OF MANHOLES, WATER VALVE BOXES, ETC. BY RAISING OR LOWERING TO MEET FLOOD WITH FINISH GRADE OF PAVEMENT SURFACE.
 8. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL ALL THE APPROPRIATE UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAYS AT LEAST 72 HOURS BEFORE ANY EXCAVATION OR GRADING TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, DEPTHS AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF LANGAN ENGINEERING. CALL PENNSYLVANIA ONE CALL SYSTEM (1-800-242-1776).
 9. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS AND ANY LOCAL AUTHORITIES.
 10. SITE FILL SHALL CONSIST OF MATERIAL FROM APPROVED ONSITE SOURCES OR APPROVED OFFSITE MATERIAL. THE GEOTECHNICAL ENGINEER WILL REVIEW AND APPROVE THE SOIL TO BE USED AS SITE FILL.
 11. SUBGRADES SHALL BE FIRM AND NON-YIELDING. SOFT AREAS AND UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED FILL AND COMPACTED AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
 12. THESE PLANS REPRESENT THE OVERALL SITE WORK IMPROVEMENTS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
 13. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, PROVIDED THEY ARE COORDINATED WITH THE OWNER. ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
 14. THE CONTRACTOR SHALL, WHEN THEY DEEM NECESSARY, PROVIDE WRITTEN REQUESTS FOR INFORMATION (RFIs) TO THE OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITE WORK ITEM. THE RFI SHALL BE IN A FORM ACCEPTABLE TO OWNER AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE TIME FOR A WRITTEN REPLY. RFIs SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE WORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.
 15. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES AND ANY OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO CONSTRUCTION.
 16. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATION FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL SUCH DOCUMENTS.

PEER REVIEW DOCUMENTS - December 21st, 2016

		CONSULTANTS:		ARCHITECT/ENGINEERS:	<div>ARCHITECTURE ENGINEERING INTERIOR DESIGN DESIGN/BUILD</div> <div>ASTORINO • CANNON DESIGN</div> <div>227 First Pike Boulevard Pittsburgh, Pennsylvania 15222 TEL 412 765 1700 FAX 412 765 1211 WWW.astorino.com</div>	Drawing Title	Project Number	<div>Office of Facilities Management</div> <div>Department of Veterans Affairs</div>			
						SITE GRADING AND EROSION & SEDIMENT CONTROL PLAN	VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA CONNECTING BRIDGE		646CA2500B		
						Approved: Project Director	Building Number		1 & 30		
							Location		VAPHS UNIVERSITY DRIVE	Drawing Number	CS4-000
							Date		Checked	Drawn	Dwg. of
							BDH		TGK		
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