

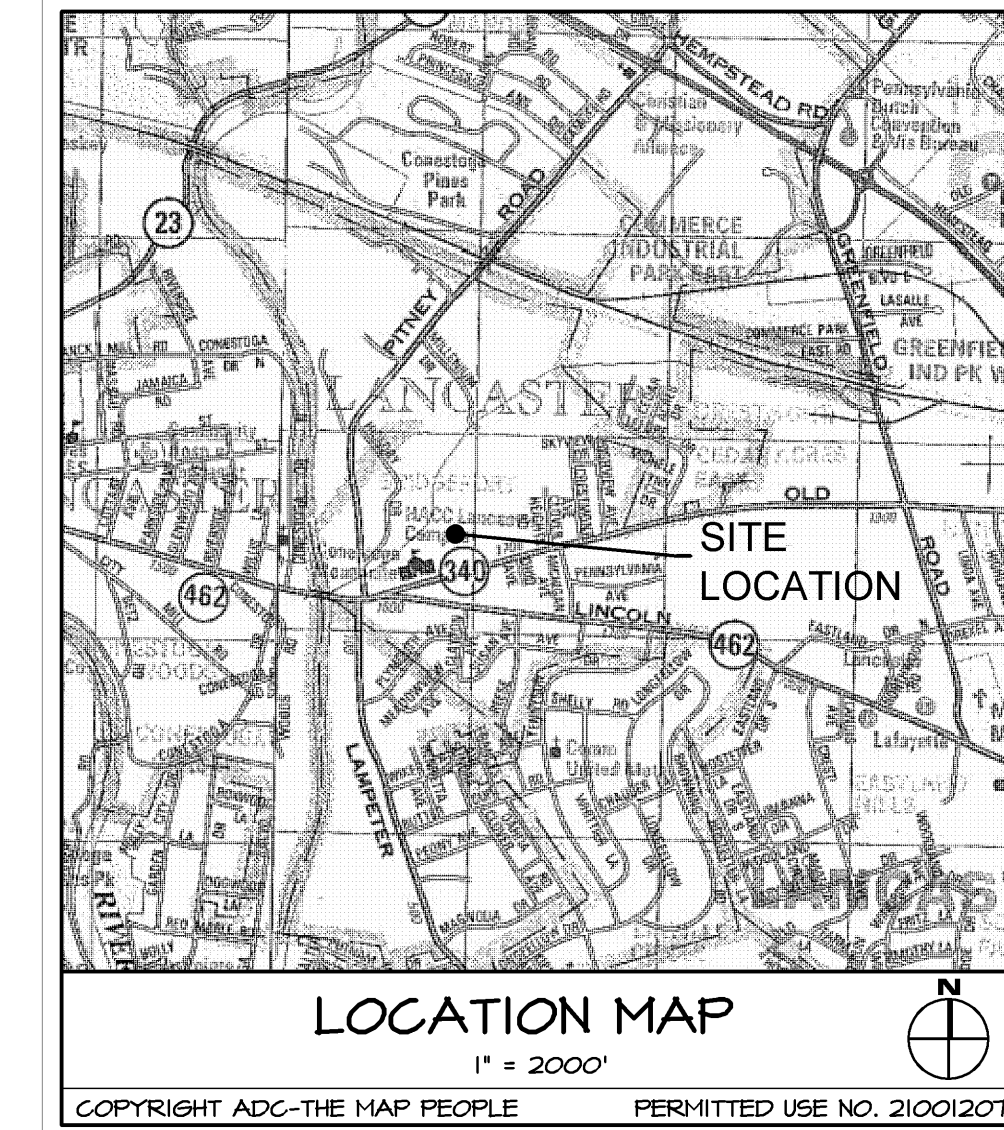
STORMWATER MANAGEMENT PLAN

FOR

HARRISBURG AREA COMMUNITY COLLEGE

WALKING PATH EXTENSION

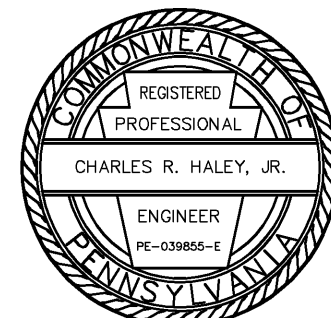
EAST LAMPETER TOWNSHIP - LANCASTER COUNTY - PENNSYLVANIA



CERTIFICATES / APPROVALS:

STORM WATER MANAGEMENT CERTIFICATION

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE STORM WATER MANAGEMENT FACILITIES SHOWN AND DESCRIBED HEREON ARE DESIGNED IN CONFORMANCE WITH THE EAST LAMPETER TOWNSHIP STORM WATER MANAGEMENT ORDINANCE.



CERTIFICATE FOR REVIEW BY THE PLANNING COMMISSION

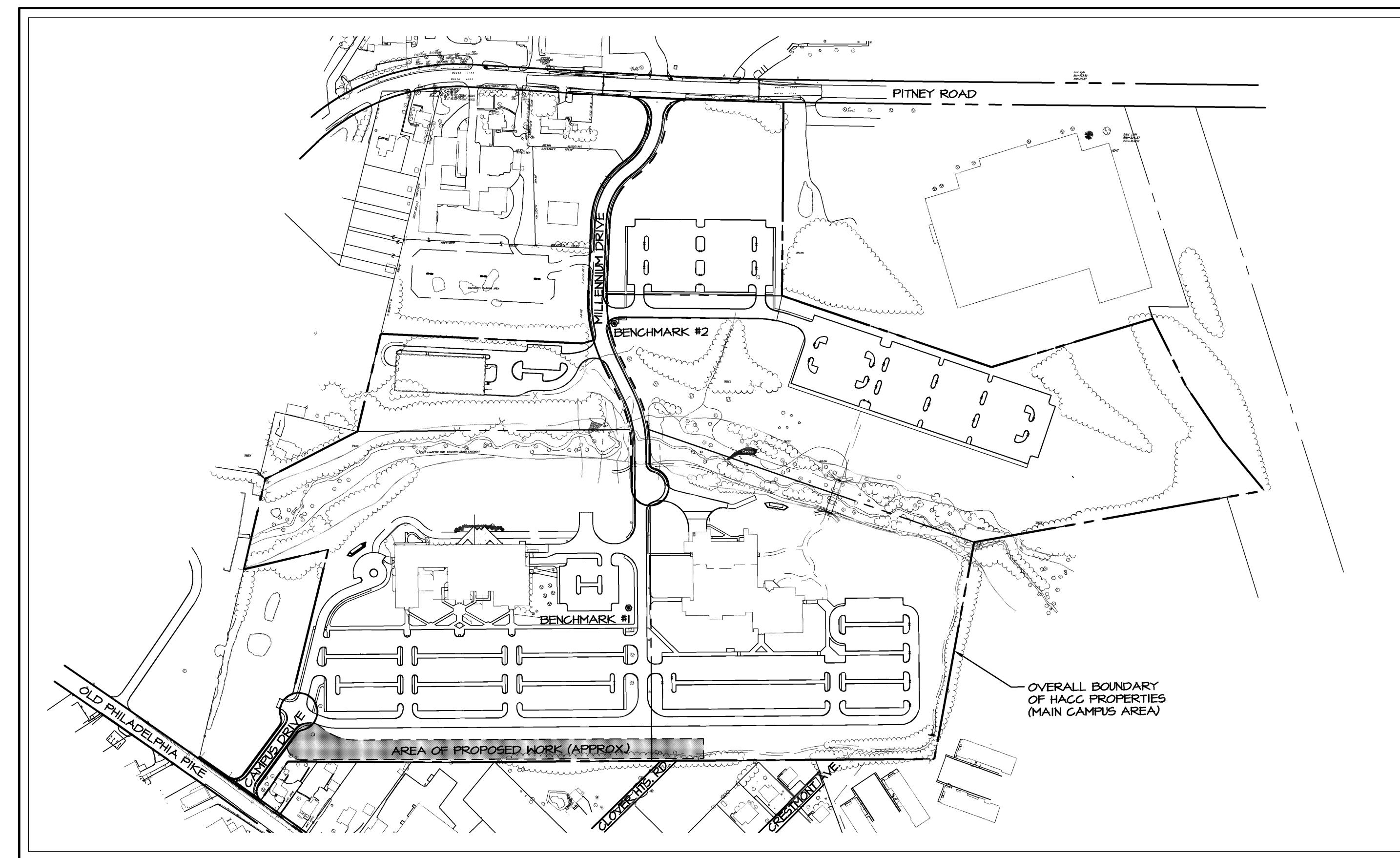
REVIEWED BY THE EAST LAMPETER TOWNSHIP PLANNING COMMISSION THIS _____ DAY OF _____, 20____

CERTIFICATE FOR APPROVAL BY THE BOARD OF SUPERVISORS

APPROVED BY THE EAST LAMPETER TOWNSHIP BOARD OF SUPERVISORS THIS _____ DAY OF _____, 20____

CERTIFICATE FOR REVIEW BY THE TOWNSHIP ENGINEER

APPROVED BY THE EAST LAMPETER TOWNSHIP ENGINEER ON THIS _____ DAY OF _____, 20____



OVERALL SITE PLAN
SCALE: 1" = 250'

LIST OF DRAWINGS:

COVER SHEET	1 OF 5
BOUNDARY PLAN	2 OF 5
EXISTING CONDITIONS PLAN	3 OF 5
LAYOUT & GRADING PLAN	4 OF 5
DETAILS	5 OF 5

SITE DATA:

TRACT 1 - 1641 OLD PHILADELPHIA PIKE
 ZONING DISTRICT: - INDUSTRIAL (I)
 LOT AREA - 11.06 ACRES
 MIN. LOT AREA - 15,000 SF
 MIN. LOT WIDTH - 65' @ ROW / 100' @ B.S.L.
 MIN. LOT DEPTH - 100'

SETBACKS
 MIN. FRONT YARD - 80' (FROM & STREET)
 MIN. SIDE YARD - 12' (EXCEPT WHERE ADJACENT TO RESIDENTIAL OR RURAL DISTRICT, IN WHICH CASE TWICE SIDE YARD REQUIREMENTS OF THAT ADJACENT DISTRICT - OR 50', WHICHEVER IS LESS)
 MIN. SIDE YARD - 20' (EXCEPT WHERE ADJACENT TO RESIDENTIAL OR RURAL DISTRICT, IN WHICH CASE REAR YARD SHALL BE 50')

MAX. LOT COVERAGE - 70%
 MAX. BLDG. COVERAGE - 60%
 MAX. BLDG. HEIGHT - 40'

TRACT 2 - 1620 MILLENNIUM DRIVE
 ZONING DISTRICT: - INDUSTRIAL (I)
 LOT AREA - 19.66 ACRES
 MIN. LOT AREA - 15,000 SF
 MIN. LOT WIDTH - 65' @ ROW / 100' @ B.S.L.
 MIN. LOT DEPTH - 100'

SETBACKS
 MIN. FRONT YARD - 80' (FROM & STREET)
 MIN. SIDE YARD - 12' (EXCEPT WHERE ADJACENT TO RESIDENTIAL OR RURAL DISTRICT, IN WHICH CASE TWICE SIDE YARD REQUIREMENTS OF THAT ADJACENT DISTRICT - OR 50', WHICHEVER IS LESS)
 MIN. SIDE YARD - 20' (EXCEPT WHERE ADJACENT TO RESIDENTIAL OR RURAL DISTRICT, IN WHICH CASE REAR YARD SHALL BE 50')

MAX. LOT COVERAGE - 70%
 MAX. BLDG. COVERAGE - 60%
 MAX. BLDG. HEIGHT - 40'

OWNER / APPLICANT

HARRISBURG AREA COMMUNITY COLLEGE
 ONE HACC DRIVE
 HARRISBURG, PA 17110

SITE ADDRESS

1641 OLD PHILADELPHIA PIKE
 LANCASTER, PA 17602
 1620 MILLENNIUM DRIVE
 LANCASTER, PA 17602

SOURCE OF TITLE

TAX ACCOUNT NOS.: 3104302500000, 3100027800000,
 3100841000000, 3105240000000,
 3100367800000
 INSTRUMENT NUMBER: #5468535
 SUBDIVISION PLAN: MULTIPLE PLANS (REFERENCE DEED)

MODIFICATIONS REQUESTED:

STORM WATER MANAGEMENT ORDINANCE:

- SECTION 402.D; PERTAINING TO SCALE OF DRAWINGS. MODIFICATION REQUESTED TO ALLOW A SMALLER DRAWING SCALE (1"=100') FOR THE BOUNDARY PLAN AND EXISTING CONDITION PLAN, WHICH SHOW ENTIRE SITE.
 ACTION: _____ DATE: _____
- SECTION 402.D; PERTAINING TO LANDOWNER SIGNED STATEMENT ACKNOWLEDGING THE SKM FACILITIES TO BE PERMANENT FEATURES THAT CANNOT BE ALTERED OR REMOVED. MODIFICATION REQUESTED TO NOT PROVIDE SIGNED ACKNOWLEDGEMENT STATEMENT, SINCE NO SKM FACILITIES ARE PROPOSED.
 ACTION: _____ DATE: _____
- SECTION 402.D; PERTAINING TO OPERATION AND MAINTENANCE (O&M) PLAN. MODIFICATION REQUESTED TO NOT REQUIRE O&M PLAN, SINCE NO SKM FACILITIES ARE PROPOSED. ADDITIONALLY, O&M PLANS WOULD HAVE BEEN PROVIDED FOR THE EXISTING SKM FACILITIES ASSOCIATED WITH PRIOR PHASES OF CONSTRUCTION ON THE OVERALL CAMPUS SITE.
 ACTION: _____ DATE: _____

NOTES:

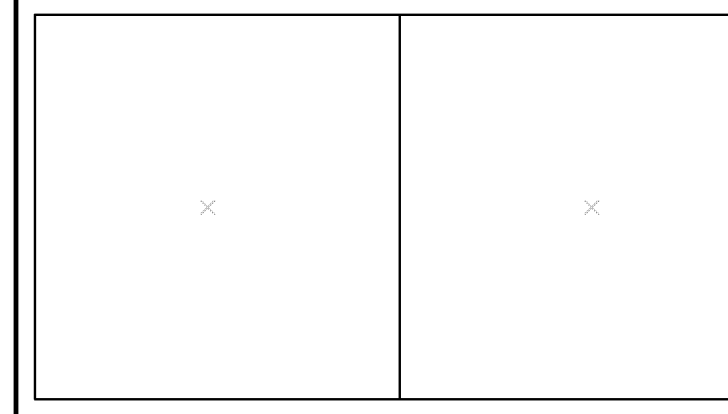
- A. SURVEYING AND BASEMAPPING NOTES**
- BENCHMARK #1: CONCRETE MONUMENT SET MAY 2010 BY LAND GRANT SURVEYORS
 NORTHING: 261555.402 EASTING: 2383711.851 ELEVATION: 310.85
 HORIZ DATUM: NAD 83 VERT DATUM: NAVD 88
 - BENCHMARK #2: CONCRETE MONUMENT SET MAY 2010 BY LAND GRANT SURVEYORS
 NORTHING: 261491.121 EASTING: 2383082.911 ELEVATION: 309.99
 HORIZ DATUM: NAD 83 VERT DATUM: NAVD 88
- B. SANITARY SEWER AND WATER**
- THE PROPERTY IS SERVED BY PUBLIC WATER AND SANITARY SEWER. WATER SERVICE IS PROVIDED BY THE CITY OF LANCASTER BUREAU OF WATER. SANITARY SEWER IS PROVIDED BY EAST LAMPETER SEWER AUTHORITY (ELSA) AND THE CITY OF LANCASTER.
 - THIS PROJECT DOES NOT AFFECT OR IMPACT THE EXISTING PUBLIC WATER OR SANITARY SEWER SERVICE.
- C. STORM SEWER, EROSION AND SEDIMENT CONTROL**
- ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH PA DEP CHAPTER 102 REGULATIONS.
 - IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 102 OF THE ADMINISTRATIVE CODE, TITLE 25 (PA DEP RULES AND REGULATIONS), A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN AND ITS ACCOMPANYING NARRATIVE MUST BE AVAILABLE ON SITE DURING CONSTRUCTION UNTIL THE SITE HAS BEEN PERMANENTLY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL FACILITIES.
 - NOTHING SHALL BE PLACED, PLANTED, SET OR PUT WITHIN THE AREA OF AN EASEMENT THAT COULD ADVERSELY AFFECT THE FUNCTION OF THE EASEMENT, OR STORM DRAINAGE FACILITY OR CONFLICT WITH THE EASEMENT AGREEMENT.
 - ALL STORMWATER MANAGEMENT FACILITIES ARE PERMANENT AND SHALL BE MAINTAINED BY THE LAND OWNER TO THE "DESIGN CONDITION" AS ESTABLISHED BY THESE PLANS. STORMWATER MANAGEMENT FACILITIES SHALL NOT BE ALTERED OR REMOVED WITHOUT THE APPROVAL OF A REVISED PLAN BY EAST LAMPETER TOWNSHIP DESIGNER.
 - THE MAINTENANCE OF ALL STORMWATER CONVEYANCE AND MANAGEMENT FACILITIES SHALL BE BY THE PROPERTY OWNER. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO:

- D. ACCESS, STREETS, & DRIVEWAYS:**
- NO NEW PUBLIC STREETS ARE PROPOSED OR OFFERED FOR DEDICATION AS PART OF THIS PLAN.
- E. GENERAL CONSTRUCTION NOTES:**
- THE CONTRACTOR OR OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR CONSTRUCTION FROM EAST LAMPETER TOWNSHIP OR THE MUNICIPAL AUTHORITY HAVING JURISDICTION PRIOR TO INITIATING ANY WORK COVERED BY THE PERMIT.
 - THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING THE SAFE FLOW OF TRAFFIC DURING CONSTRUCTION WITHIN THE EXISTING ROAD RIGHTS-OF-WAY AND SITE ACCESSES WHILE ENTERING AND LEAVING THE SITE. ANY REQUIRED TRAFFIC PERMITS SHALL BE OBTAINED BY THE OWNER.
 - THE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. ELA GROUP, INC. MAKES NO REPRESENTATIONS AS TO SUBSURFACE CONDITIONS OF THE PROJECT SITE INCLUDING DEPTH OF BEDROCK, GEOLOGICAL CONDITIONS, SOIL STABILITY, ETC.
 - THE CONTRACTOR IS ADVISED THAT ALL SITE FACILITIES HAVE BEEN DESIGNED WITHOUT THE BENEFIT OF A GEOTECHNICAL ENGINEERING STUDY. THE CONTRACTOR SHALL PERFORM ALL TESTING AS REQUIRED TO VERIFY SUITABLE SUBGRADE CONDITIONS ARE PROVIDED FOR THE WORK PROPOSED AND SHALL IMMEDIATELY NOTIFY THE OWNER WHEN UNSUITABLE SUBGRADE CONDITIONS ARE ENCOUNTERED.
 - THE CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. RESTORATION OF ALL EXISTING SURFACE IMPROVEMENTS DAMAGED OR ALTERED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL CONSTRUCTION SHALL BE SUBJECT TO THE REQUIREMENTS OF THE PENNSYLVANIA UNIFORM CONSTRUCTION CODE, AS ADOPTED BY THE MUNICIPALITY.
- PURPOSE OF PLAN
 THE PLAN HAS BEEN PREPARED TO ADDRESS THE STORMWATER MANAGEMENT REQUIREMENTS OF EAST LAMPETER TOWNSHIP. THE APPLICANT PROPOSES TO CONSTRUCT AN EXTENSION TO THE EXISTING BITUMINOUS WALKING PATH IN THE SPRING/SUMMER OF 2015.

IMPERVIOUS NOTES:

- THIS PROJECT PROPOSES 0.15 ACRES OF NEW IMPERVIOUS.
- NOTE THAT MODIFICATIONS ARE ALSO PROPOSED TO CAMPUS DRIVE IN THE NEAR FUTURE. THIS WILL PROPOSE 0.04 ACRES OF NEW IMPERVIOUS.
- THE ABOVE AREAS IN NOTES #1 AND #2 PROPOSE 0.18 ACRES OF TOTAL PROPOSED IMPERVIOUS TO THE POINT OF INTEREST.
- HACC OWNS SEVERAL ADJOINING PROPERTIES THAT HAVE HAD IMPERVIOUS COVER REMOVED, OR WILL BE REMOVED PRIOR TO THIS PROJECT, THAT ARE ASSOCIATED WITH THE SAME POINT OF INTEREST. THE PROPERTIES ARE AS FOLLOWS:
 #21 PITNEY ROAD = 0.11 ACRES
 #1641 OLD PHILADELPHIA PIKE = 0.08 ACRES
 #1651 OLD PHILADELPHIA PIKE = 0.16 ACRES
 #1653 OLD PHILADELPHIA PIKE = 0.10 ACRES
 TOTAL = 0.45 ACRES
- BASED UPON THE ADJUSTMENT FOR 20% EXISTING IMPERVIOUS TO BE CONSIDERED MEADOW IN GOOD CONDITION, THERE IS 5750 SF (0.132 ACRES) AVAILABLE FOR FUTURE IMPERVIOUS. THIS IS FOR THE OVERALL WATERSHED AREA TO THE POINT OF INTEREST IDENTIFIED ON THE EXISTING CONDITIONS PLAN (SHT. 3 OF 5), AND TRACTS IDENTIFIED IN INSTRUMENT #5468535. ANY ADDITIONAL IMPERVIOUS AREA TO THIS POINT OF INTEREST WILL REQUIRE APPROVAL FROM EAST LAMPETER TOWNSHIP IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES.
- ANY ADDITIONAL IMPERVIOUS AREA ON THE FOLLOWING PROPERTIES WILL REQUIRE APPROVAL FROM EAST LAMPETER TOWNSHIP IN ACCORDANCE WITH ALL APPLICABLE ORDINANCES:
 #21 PITNEY ROAD (INSTRUMENT #5845474)
 #1641 OLD PHILADELPHIA PIKE (INSTRUMENT #5686670)
 #1651 OLD PHILADELPHIA PIKE (INSTRUMENT #5161364)
 #1653 OLD PHILADELPHIA PIKE (INSTRUMENT #5161364)

REVISIONS PER:	DATE:	BY:
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STORMWATER MANAGEMENT PLAN
 SUBJECT:
COVER SHEET
 WALKING PATH EXTENSION
 HACC LANCASTER CAMPUS
 EAST LAMPETER TOWNSHIP, LANCASTER COUNTY, PA
 CLIENT:
HARRISBURG AREA COMMUNITY COLLEGE
 ONE HACC DRIVE
 HARRISBURG, PA 17110
 (717) 780-3214

MANAGER: B. MILLER DATE: NOVEMBER 24, 2014
 DESIGNER: B. MILLER PROJECT NO. 577-019
 DRAWN BY: D. SHINDLER SCALE: AS NOTED

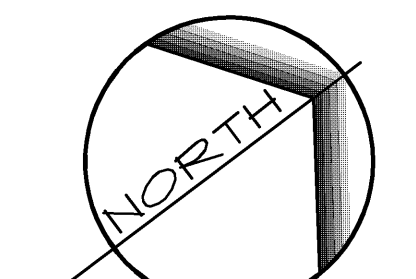
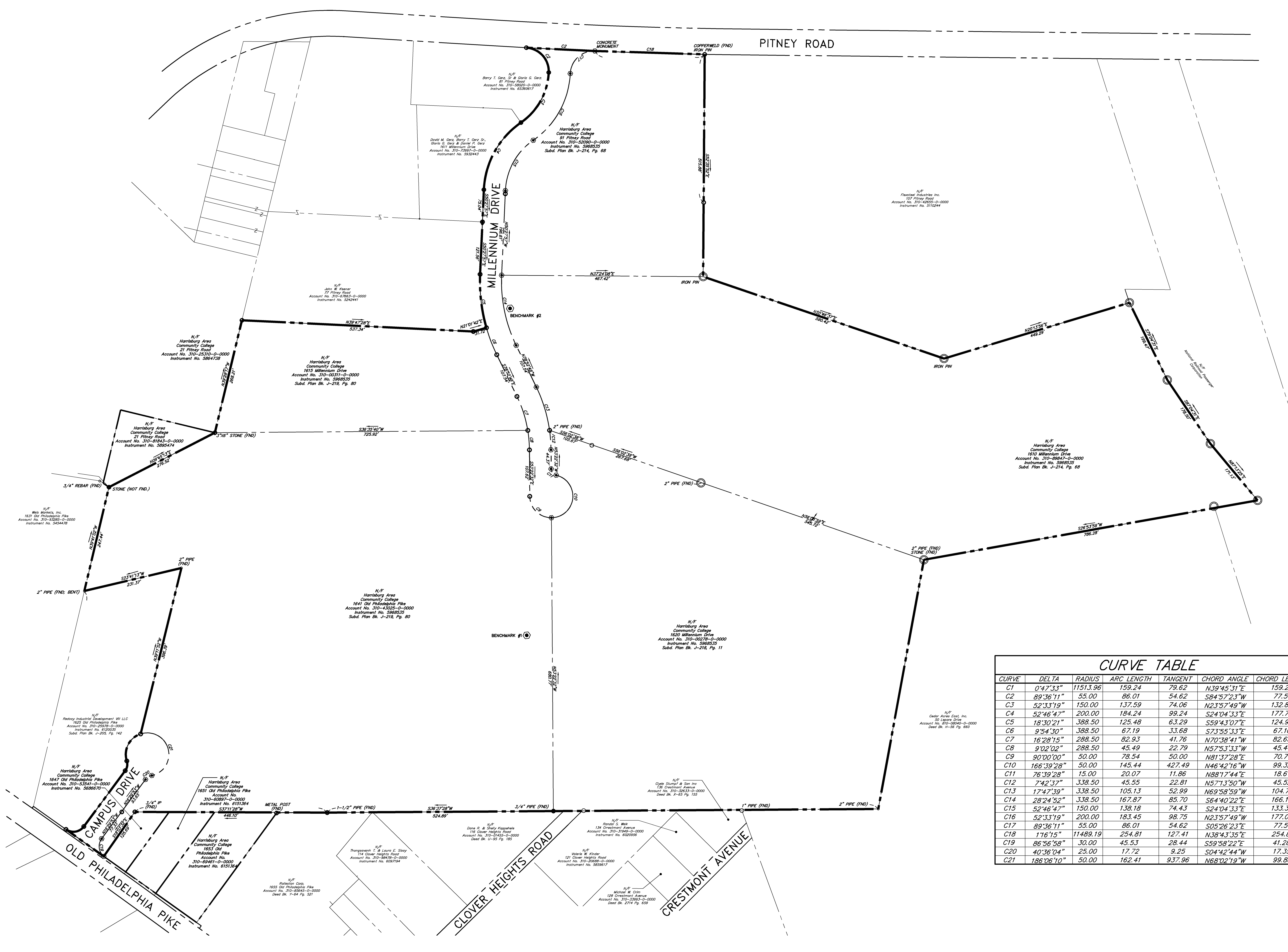
DRAWING NO.
1 OF 5



PENNSYLVANIA ACT 121 (2008) REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

DRAWING: K:\577157T-019 Walking Path Extension\SKM Plan.dwg - PLOTTED: Nov 21, 2014 9:11 am

DRAWING: K:\5711571-018 Walking Path Extension\5711571 Plan.dwg - PLOTTED: NOV 21, 2014 9:11 am



SCALE IN FEET: 1" = 100'

REVISIONS PER:	DATE:	BY:
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EA group, inc.
 ENGINEERS & LANDSCAPE ARCHITECTS
 143 SOUTH BROAD STREET
 LITITZ, PA 17543
 (717) 626-1211 FAX: (717) 626-1040
 www.eaeng.com

CURVE TABLE

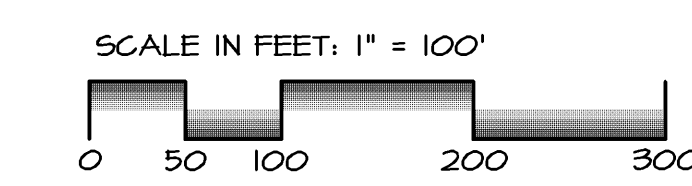
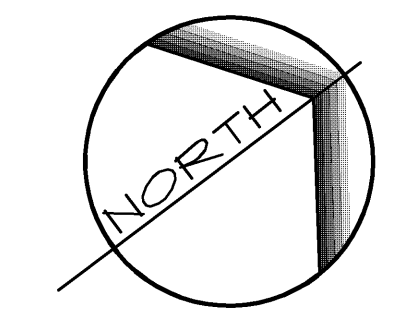
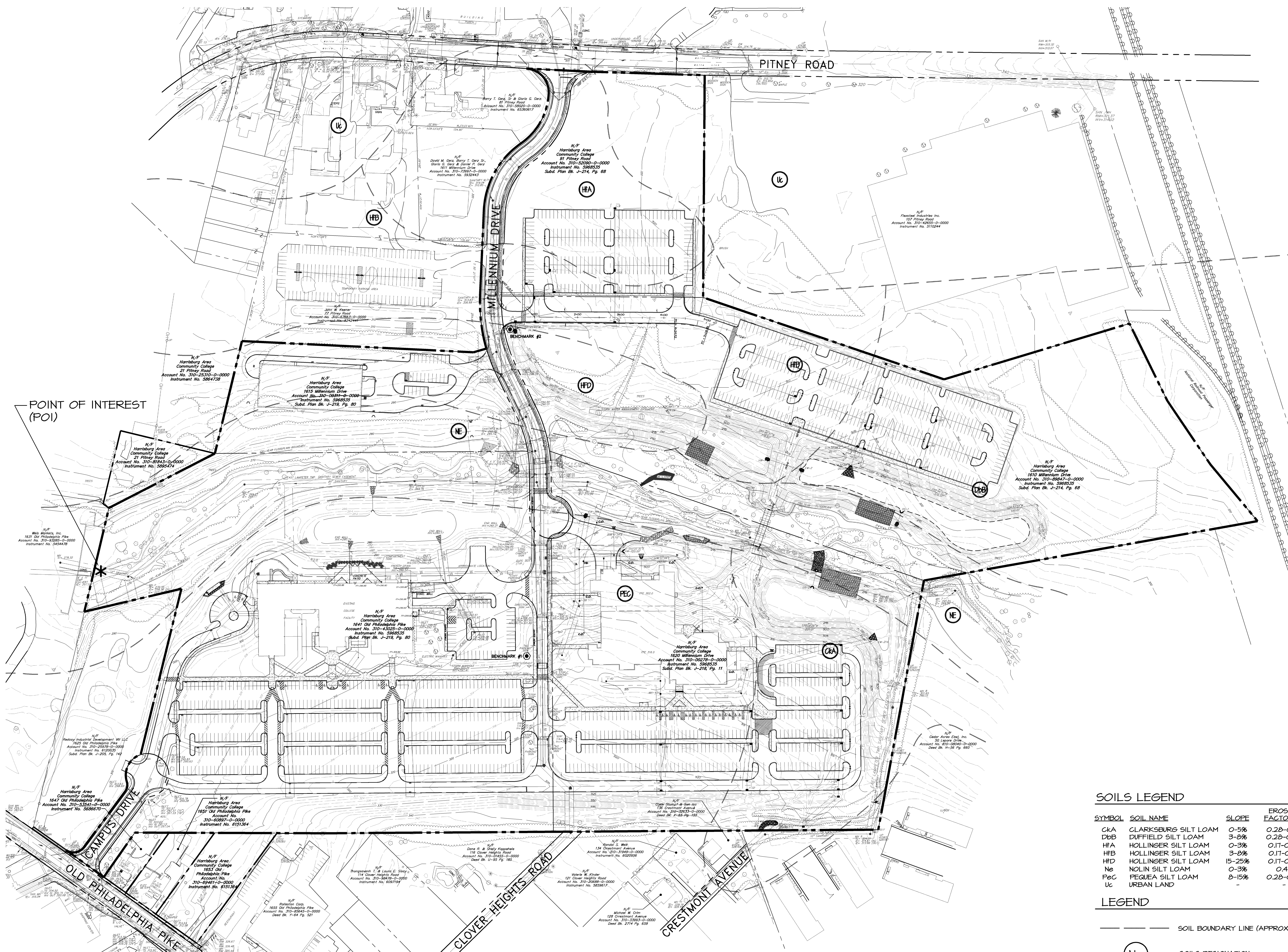
CURVE	DELTA	RADIUS	ARC LENGTH	TANGENT	CHORD ANGLE	CHORD LENGTH
C1	0°47'33"	11513.96	159.24	79.62	N39°45'31"E	159.24
C2	89°36'11"	55.00	86.01	54.62	S84°57'23"W	77.51
C3	52°33'19"	150.00	137.59	74.06	N23°57'49"W	132.82
C4	52°46'47"	200.00	184.24	99.24	S24°04'33"E	177.79
C5	18°30'21"	388.50	125.48	63.29	S59°43'07"E	124.94
C6	9°54'30"	388.50	67.19	33.68	S73°55'33"E	67.10
C7	16°28'15"	288.50	82.93	41.76	N70°38'41"W	82.65
C8	9°02'02"	288.50	45.49	22.79	N57°53'33"W	45.44
C9	90°00'00"	50.00	78.54	50.00	N81°37'28"E	70.71
C10	166°39'28"	50.00	145.44	427.49	N46°42'16"W	99.32
C11	76°39'28"	15.00	20.07	11.86	N88°17'44"E	18.61
C12	7°42'37"	338.50	45.55	22.81	N57°13'50"W	45.52
C13	17°47'39"	338.50	105.13	52.99	N69°58'59"W	104.71
C14	28°24'52"	338.50	167.87	85.70	S64°40'22"E	166.16
C15	52°46'47"	150.00	138.18	74.43	S24°04'33"E	133.34
C16	52°33'19"	200.00	183.45	98.75	N23°57'49"W	177.09
C17	89°36'11"	55.00	86.01	54.62	S84°57'23"W	77.51
C18	1°16'15"	11489.19	254.81	127.41	N38°43'35"E	254.81
C19	86°56'58"	30.00	45.53	28.44	S59°58'22"E	41.28
C20	40°36'04"	25.00	17.72	9.25	S04°42'44"W	17.35
C21	186°06'10"	50.00	162.41	937.96	N68°02'19"W	99.86

STORMWATER MANAGEMENT PLAN
 SUBJECT:
BOUNDARY PLAN
 WALKING PATH EXTENSION
 HACC LANCASTER CAMPUS
 EAST LAMPETER TOWNSHIP, LANCASTER COUNTY, PA
 CLIENT:
HARRISBURG AREA COMMUNITY COLLEGE
 ONE HACC DRIVE
 HARRISBURG, PA 17110
 (717) 780-3214

MANAGER: B. MILLER DATE: NOVEMBER 24, 2014
 DESIGNER: B. MILLER PROJECT NO. 577-019
 DRAWN BY: D. SHINDLER SCALE: 1" = 100'

DRAWING NO.
2 OF 5

DRAWING: K:\571571-018 Walking Path Extension\571571-018.dwg - PLOTTED: Nov 21, 2014 9:12 am



REVISIONS PER:	DATE:	BY:
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 www.eagroup.com

STORMWATER MANAGEMENT PLAN	
SUBJECT:	
EXISTING CONDITIONS PLAN	
WALKING PATH EXTENSION	
HACC LANCASTER CAMPUS	
EAST LAMPETER TOWNSHIP, LANCASTER COUNTY, PA	
CLIENT:	
HARRISBURG AREA COMMUNITY COLLEGE	
ONE HACC DRIVE	
HARRISBURG, PA 17110	
(717) 780-3214	

SOILS LEGEND

SYMBOL	SOIL NAME	SLOPE	EROSION FACTOR (K)
CKA	CLARKSBURG SILT LOAM	0-5%	0.28-0.31
DbB	DUFFIELD SILT LOAM	3-8%	0.28-0.32
HFA	HOLLINGER SILT LOAM	0-3%	0.17-0.32
HFB	HOLLINGER SILT LOAM	3-8%	0.17-0.32
HFD	HOLLINGER SILT LOAM	15-25%	0.17-0.32
Ne	NOLIN SILT LOAM	0-3%	0.43
PeC	PEQUEA SILT LOAM	8-15%	0.28-0.43
Uc	URBAN LAND	-	-

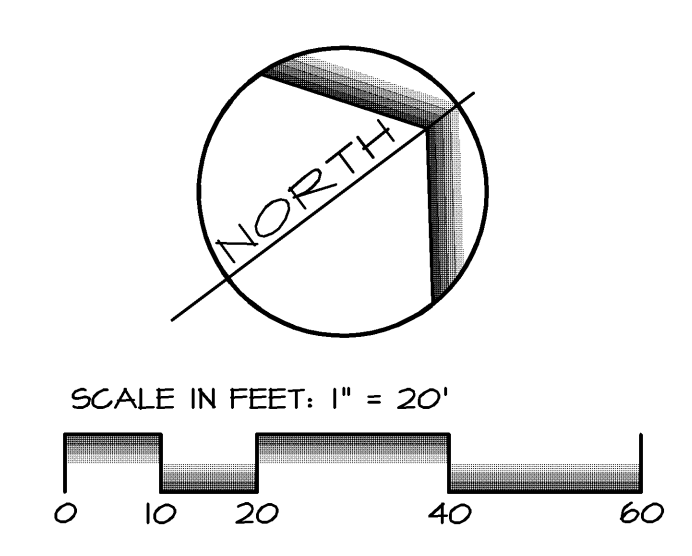
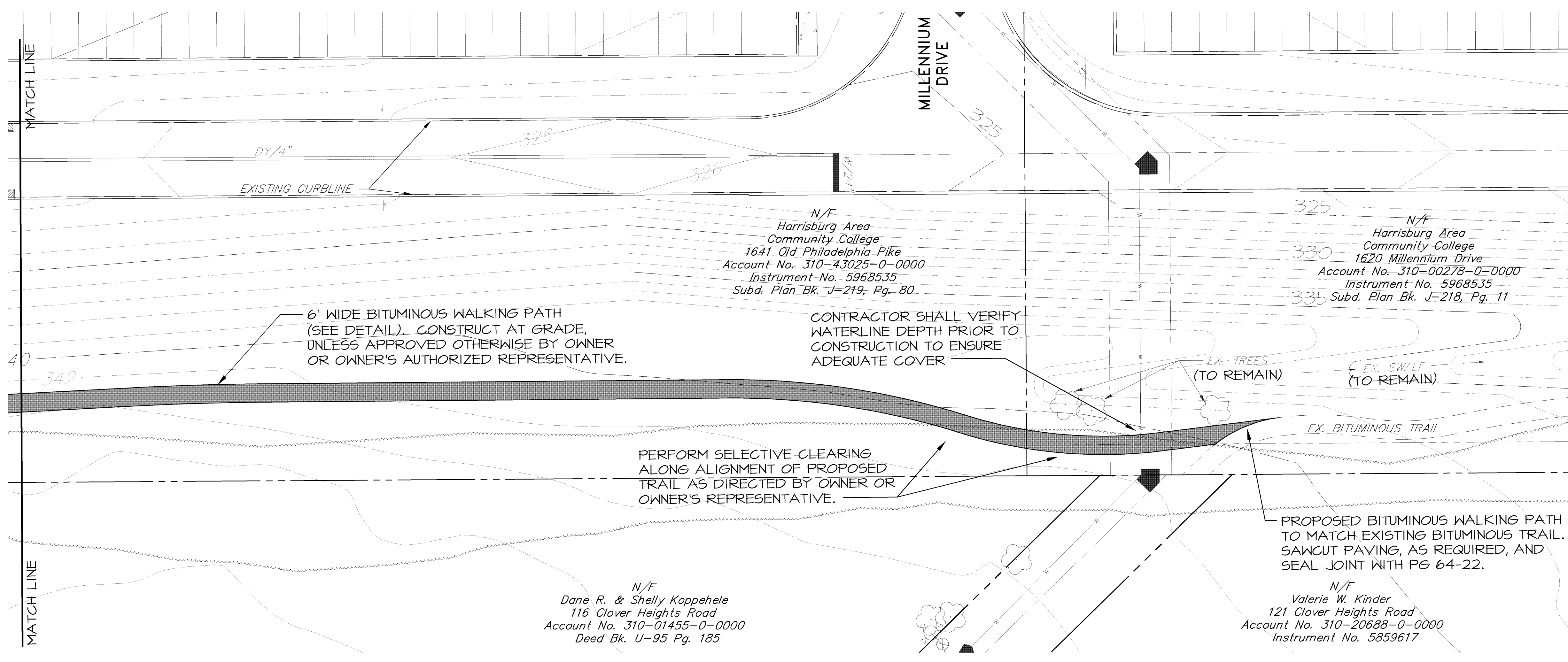
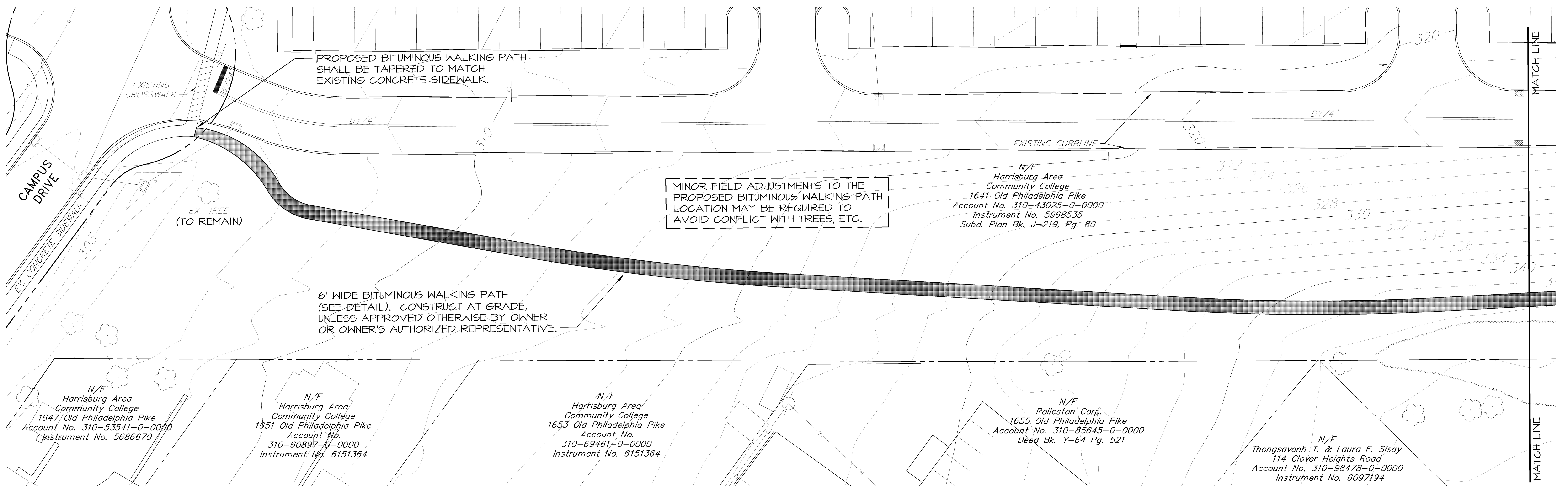
LEGEND

	SOIL BOUNDARY LINE (APPROXIMATE)
	SOILS DESIGNATION

MANAGER:	B. MILLER	DATE:	NOVEMBER 24, 2014
DESIGNER:	B. MILLER	PROJECT NO.:	577-019
DRAWN BY:	D. SHINDLER	SCALE:	1" = 100'

DRAWING NO.
3 OF 5

DRAWING: K:\5711511-014 Walking Path Extension\5711511 Plan.dwg - PLOTTED: Nov 21, 2014 9:12 am



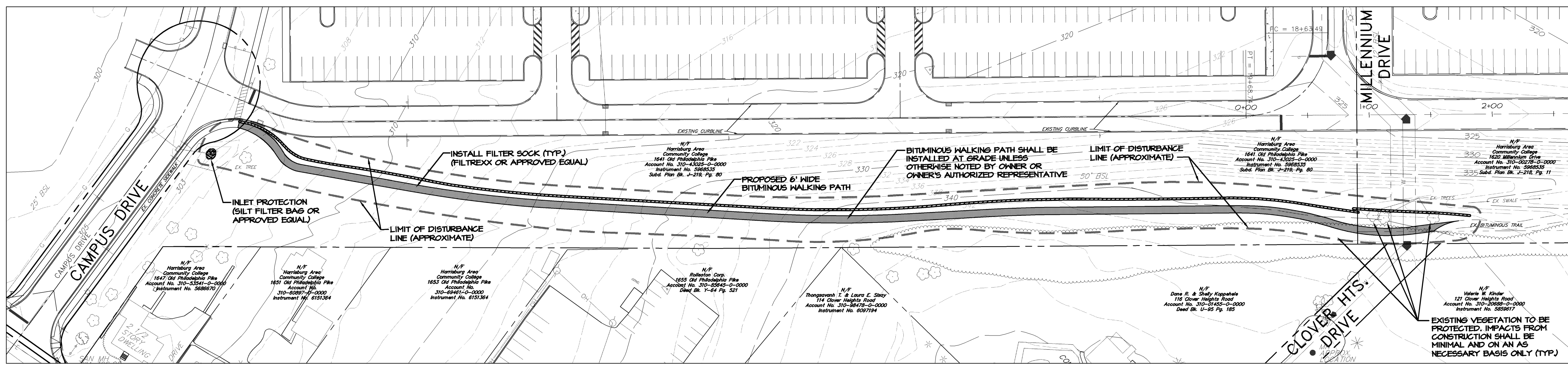
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STORMWATER MANAGEMENT PLAN
SUBJECT:
LAYOUT & GRADING PLAN
WALKING PATH EXTENSION
HACC LANCASTER CAMPUS
EAST LAMPETER TOWNSHIP, LANCASTER COUNTY, PA
CLIENT:
HARRISBURG AREA COMMUNITY COLLEGE
ONE HACC DRIVE
HARRISBURG, PA 17110
(717) 780-3214

MANAGER: B. MILLER DATE: NOVEMBER 24, 2014
DESIGNER: B. MILLER PROJECT NO. 577-019
DRAWN BY: D. SHINDLER SCALE: 1" = 20'

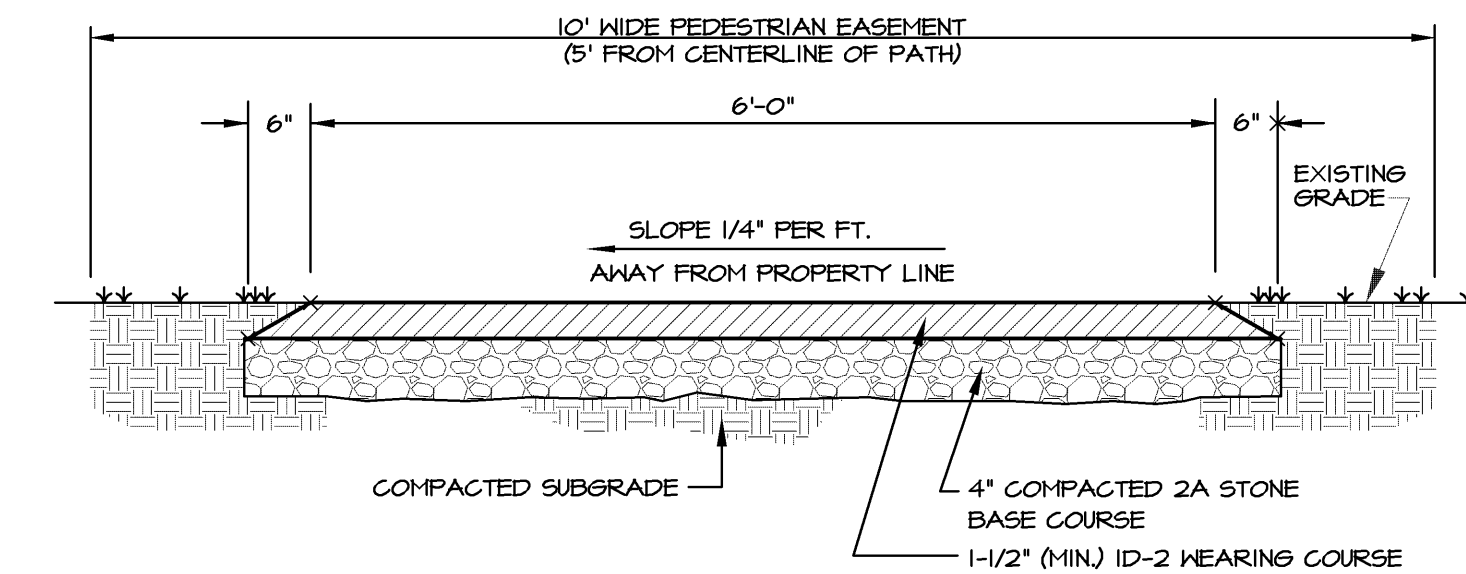
DRAWING NO.
4 OF 5



EROSION & SEDIMENTATION CONTROL PLAN

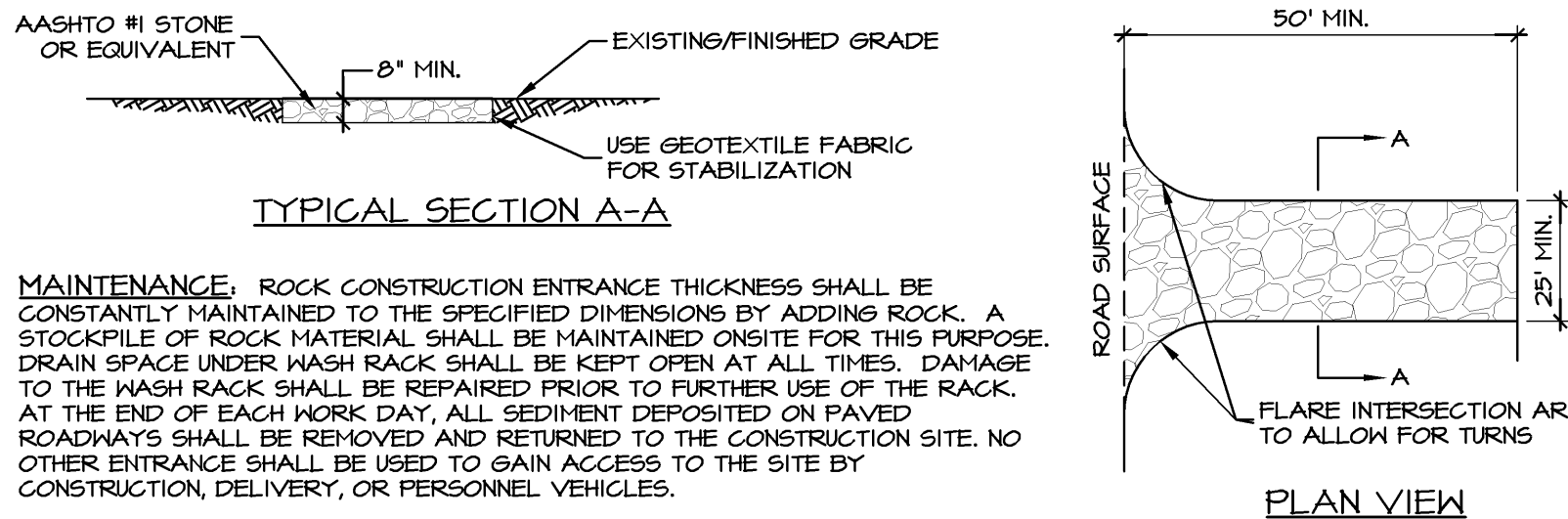
SCALE: 1"=50'

FAILURE TO CORRECTLY INSTALL SEDIMENT CONTROL FACILITIES OR FAILURE TO PREVENT SEDIMENT LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE OR FAILURE TO TAKE CORRECTIVE ACTIONS TO IMMEDIATELY RESOLVE FAILURES OF SEDIMENT CONTROL FACILITIES MAY RESULT IN ADMINISTRATIVE, CIVIL AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AS DEFINED IN SECTION 602 OF THE CLEAN STREAMS LAW OF PENNSYLVANIA. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 IN SUMMARY CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.



TYPICAL WALKING PATH EXTENSION SECTION

NOT TO SCALE



MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. DRAIN SPACE UNDER WASH RACK SHALL BE KEPT OPEN AT ALL TIMES. DAMAGE TO THE WASH RACK SHALL BE REPAIRED PRIOR TO FURTHER USE OF THE RACK. AT THE END OF EACH WORK DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. NO OTHER ENTRANCE SHALL BE USED TO GAIN ACCESS TO THE SITE BY CONSTRUCTION DELIVERY, OR PERSONNEL VEHICLES.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

GENERAL NOTES:

- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL SITE INSPECTIONS WILL BE DOCUMENTED IN AN INSPECTION LOG KEPT FOR THIS PURPOSE. THE COMPLIANCE ACTIONS AND THE DATE, TIME, AND NAME OF THE PERSON CONDUCTING THE INSPECTION MUST BE NOTED IN THE LOG FOLLOWING EACH INSPECTION. THE INSPECTION LOG WILL BE KEPT ON THE SITE AT ALL TIMES AND MADE AVAILABLE TO THE LANCASTER COUNTY CONSERVATION DISTRICT UPON REQUEST.
- ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, RE-MULCHING, AND RENITING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENTATION CONTROLS FAIL TO PERFORM AS EXPECTED, REPLACEMENT CONTROLS OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.
- PROCEDURES ENSURING THAT THE PROPER MEASURES FOR THE RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE WILL BE UNDERTAKEN IN ACCORDANCE WITH DEP/LANCASTER COUNTY CONSERVATION DISTRICT REGULATIONS. INDIVIDUALS RESPONSIBLE FOR EARTH DISTURBANCE ACTIVITIES MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTE INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL, MATERIALS, BUILDING MATERIALS, CONCRETE WASH WATER, AND SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIALS MANAGEMENT, AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED TO DISPOSAL.
- EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE GENERAL SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENTATION CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED.
- STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET NOR SHALL THE SIDE SLOPE EXCEED 2:1. ANY ON-SITE STOCKPILE LOCATION(S) MUST BE APPROVED BY OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.
- FILTER SOCK (OR SILT FENCE) MUST BE INSTALLED PARALLEL TO EXISTING CONTOURS OR CONSTRUCTED LEVEL ALIGNMENTS. EXTEND ENDS OF SILT FENCE UPSLOPE SO THAT BOTTOM OF THE FENCE SHALL END AT THE TOP OF FENCE ELEVATION.
- SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH ONE-HALF THE ABOVE GROUND HEIGHT OF FILTER SOCK (OR SILT FENCE).
- ANY FILTER SOCK OR SILT FENCE THAT HAS BEEN UNDERMINED OR TOPPED MUST BE REPLACED WITH FILTER SOCKS IMMEDIATELY.
- EARTHEN STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY.
- STORMWATER FACILITIES MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
- SEDIMENT MUST BE REMOVED FROM STORMWATER FACILITY PROTECTION CONTROLS AFTER EACH STORM EVENT.
- ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED MUST BE SEEDED AND MULCHED IMMEDIATELY. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE SEEDED AND MULCHED WITH A QUICK GROWING TEMPORARY SEEDING MIXTURE AND MULCH AS SPECIFIED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROLS AND RELATED ITEMS INCLUDED ON THIS PLAN.
- THE APPLICANT MUST DEVELOP, AND HAVE APPROVED BY THE LANCASTER COUNTY CONSERVATION DISTRICT, A SEPARATE EROSION AND SEDIMENTATION CONTROL PLAN FOR EACH SPOIL, BORROW, OR OTHER WORK AREA NOT DETAILED ON THE APPROVED PLAN, WHETHER LOCATED WITHIN OR OUTSIDE THE CONSTRUCTION LIMITS.
- SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE OR STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE CONTRACTOR TO ELIMINATE ALL SUCH PROBLEMS.
- SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD CHIPS, HAY BALES, CRUSHED STONE AND OTHER MULCHES SHALL BE HELD IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS OF EROSION.
- THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART I, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUB-PART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
- PROTECTION TO EXISTING TREES AND VEGETATION SHALL BE TAKEN BY THE CONTRACTOR TO ELIMINATE UNNECESSARY DAMAGE.
- A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- BEFORE INITIATING ANY REVISION TO THE EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR MUST RECEIVE OF THE REVISIONS FROM THE LANCASTER COUNTY CONSERVATION DISTRICT.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL FACILITY, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 2601 ET SEQ., AND 2811 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.

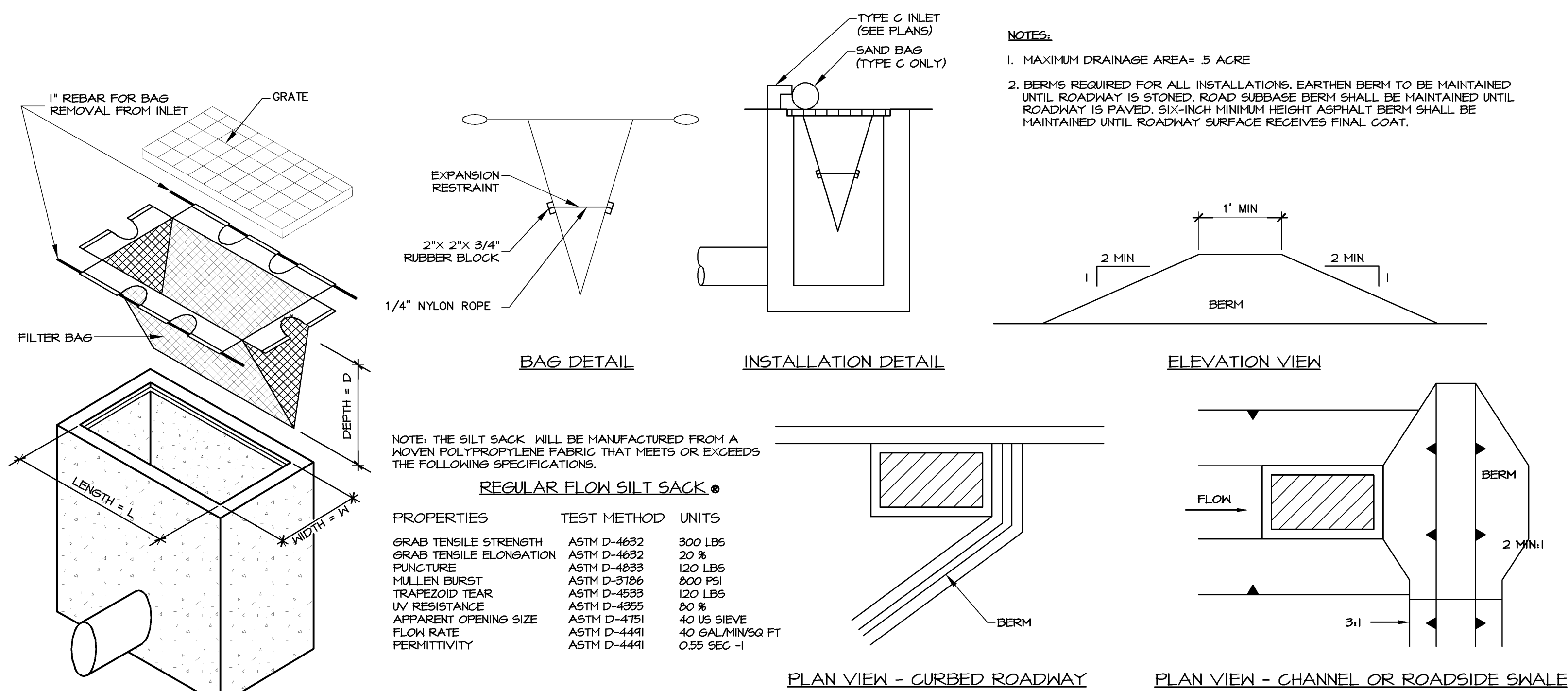
CONSTRUCTION SEQUENCE:

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED IN ACCORDANCE WITH CHAPTER 102 REGULATIONS BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LAND OWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENTATION CONTROL PLAN PREPARED/DESIGNER, AND A REPRESENTATIVE OF THE LANCASTER COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING. ALSO, AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INC. AT 1-800-242-1716 FOR BURIED UTILITIES LOCATIONS.

CONSTRUCTION OF THE PROPOSED IMPROVEMENTS IS EXPECTED TO BEGIN SPRING 2015 AFTER ACQUIRING ALL APPROVALS. CONSTRUCTION SHALL PROCEED IN A TIMELY MATTER SO AS TO LIMIT THE POTENTIAL FOR EROSION AND SEDIMENTATION. EARTHMOVING ACTIVITIES ARE EXPECTED TO BE COMPLETED BY SUMMER 2015.

- DELINEATE LIMITS OF DISTURBANCE AND DETERMINE LOCATION FOR STABILIZED CONSTRUCTION ENTRANCE(S).
- PRIOR TO BEGINNING CLEARING AND GRUBBING OR OTHER EARTH DISTURBANCE ACTIVITIES, INSTALL INLET PROTECTION (AS NECESSARY) TO CONTAIN THE AREA OF DISTURBANCE AND IN ACCORDANCE WITH THE DETAILS PROVIDED.
- FIELD LOCATE BITUMINOUS PATH LOCATION WITH OWNER OR OWNERS AUTHORIZED REPRESENTATIVE.
- INSTALL FILTER SOCK (FILTREXX), AS NECESSARY.
- BEGIN CLEARING AND GRUBBING PROCESS. (ALL REMOVED MATERIALS SHALL BE TAKEN FROM SITE)
- EXCAVATE TO DEPTH REQUIRED TO ACCOMMODATE BITUMINOUS WALKING PATH SECTION AND WIDTH, AND COMPACT SUBGRADE.
- INSTALL 2A BASE COURSE AND COMPACT PRIOR TO BITUMINOUS PAVEMENT PLACEMENT.
- INSTALL BITUMINOUS PAVEMENT, PER PLANS.
- SEAL PAVEMENT JOINTS WITH PG 64-22, AS NECESSARY.
- FINISH GRADE AND SEED. INSTALL FILTER FABRIC, AS NECESSARY.
- REMOVE EROSION CONTROLS AND STABILIZE (AS NECESSARY).

CHANGES OR ALTERATIONS TO THIS CONSTRUCTION SEQUENCE DUE TO FIELD CONDITIONS, CONSTRUCTION SCHEDULING, SEASONAL CONDITIONS, OR OTHER INFLUENCES MUST BE APPROVED BY THE LANCASTER COUNTY CONSERVATION DISTRICT.



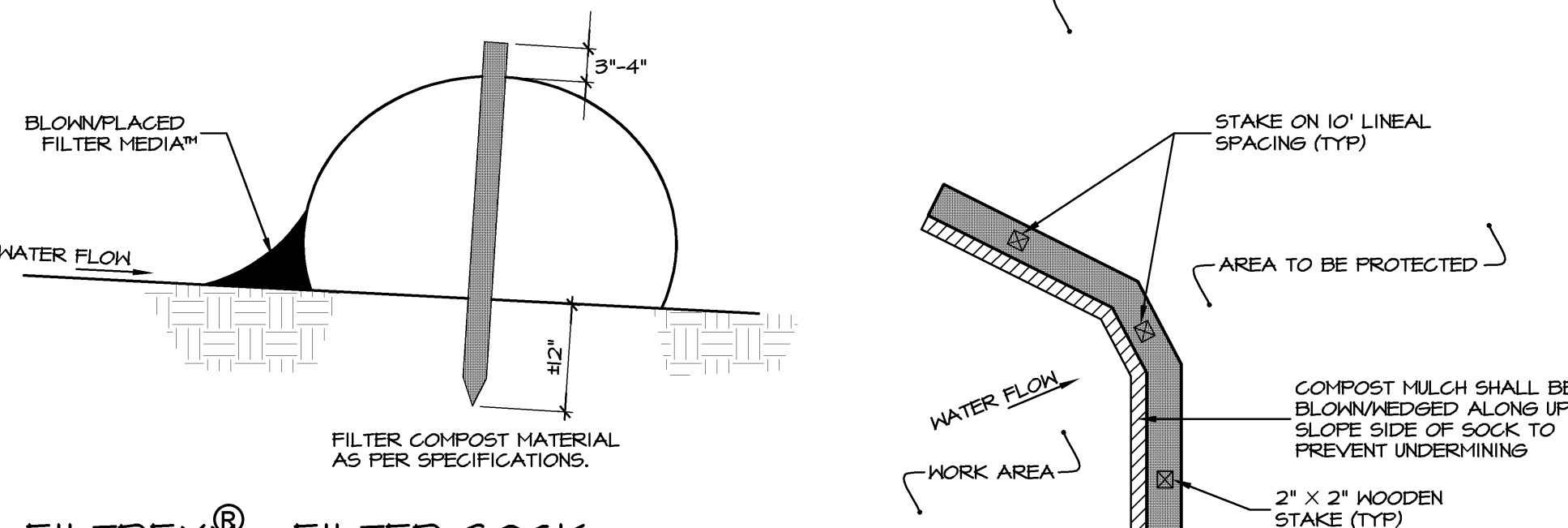
SILT FILTER BAG

NOT TO SCALE

NOTES:

- ALL MATERIAL TO MEET FILTREXX™ SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
- ROUTINELY INSPECT AND REPAIR BERM, AS REQUIRED.
- THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM.

SOCK OPTION: FILTREXX™ FILTER SOCK, SIZED TO SUIT CONDITIONS. 300mm to 450mm (12" to 18") TYPICAL.

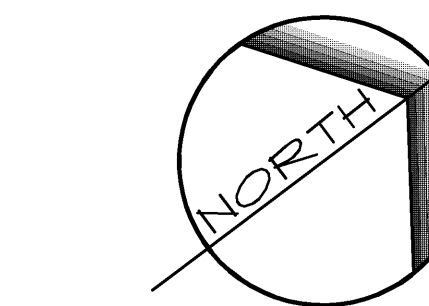


FILTREXX™ FILTER SOCK

NOT TO SCALE

NOTES:

- MAXIMUM DRAINAGE AREA= 5 ACRE
- BERMS REQUIRED FOR ALL INSTALLATIONS. EARTHEN BERM TO BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBGRADE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX-INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT.



SCALE IN FEET: 1" = 50'



REVISIONS PER:	DATE:	BY:
1.	-	-
2.	-	-
3.	-	-
4.	-	-
5.	-	-

STORMWATER MANAGEMENT PLAN

SUBJECT:
DETAILS

WALKING PATH EXTENSION
HACC LANCASTER CAMPUS
EAST LANCASTER TOWNSHIP, LANCASTER COUNTY, PA

CLIENT:
HARRISBURG AREA COMMUNITY COLLEGE
ONE HACC DRIVE
HARRISBURG, PA 17110
(717) 780-3214

MANAGER: B. MILLER DATE: NOVEMBER 24, 2014

DESIGNER: B. MILLER PROJECT NO. 577-019

DRAWN BY: D. SHINDLER SCALE: 1" = 50'

DRAWING NO.
5 OF 5

SLOPE PERCENT	MAXIMUM SLOPE LENGTH ABOVE SILT SOCK™ IN FEET (meters)*					
	8 in (200 mm)	12 in (300 mm)	18 in (450 mm)	24 in (600 mm)	32 in (800 mm)	36 in (900 mm)
2 (OR LESS)	600 (180)	750 (225)	1000 (300)	1300 (400)	1650 (500)	2000 (600)
5	400 (120)	500 (150)	550 (165)	650 (200)	750 (225)	850 (255)
10	200 (60)	250 (75)	300 (90)	400 (120)	500 (150)	600 (180)
15	140 (40)	170 (50)	200 (60)	325 (100)	450 (140)	550 (165)
20	100 (30)	125 (38)	140 (42)	260 (80)	400 (120)	500 (150)
25	80 (24)	100 (30)	110 (33)	200 (60)	315 (95)	400 (120)
30	60 (18)	75 (23)	80 (24)	150 (40)	200 (60)	250 (75)
35	60 (18)	75 (23)	80 (24)	115 (35)	150 (45)	200 (60)
40	60 (18)	75 (23)	80 (24)	100 (30)	125 (38)	150 (45)
45	40 (12)	50 (15)	60 (18)	80 (24)	100 (30)	125 (38)
50	40 (12)	50 (15)	55 (17)	65 (20)	75 (23)	100 (30)

* BASED ON A FAILURE POINT OF 36 in (0.9 m) SUPER SILT FENCE (WIRE REINFORCED) AT 1000 ft (303 m) OF SLOPE. WATERSHED WIDTH EQUIVALENT TO RECEIVING LENGTH OF SEDIMENT CONTROL DEVICE, 1 in/24 hr (25mm/24hr) RAIN EVENT.

** EFFECTIVE HEIGHT OF SILT SOCK AFTER INSTALLATION AND WITH CONSTANT HEAD FROM RUNOFF AS DETERMINED BY OHIO STATE UNIVERSITY.