NOTE: DC WATER HAS A DATA COLLECTION UNIT ON THE ROOF OF LAFAYETTE ELEMENTARY SCHOOL. THIS IS A STAND-ALONE UNIT WHICH RECEIVES SIGNALS FROM DOMESTIC WATER METERS IN THE SURROUNDING AREA DAILY AND RELAYS THE INFORMATION TO DC WATER TO RECORD USAGE FOR BILLING PURPOSES.
THE UNIT IS SELF CONTAINED WITH NO CONNECTION TO THE ELECTRIC OR TELEPHONE COMMUNICATION SYSTEMS IN THE SCHOOL.
PLEASE ADD A NOTATION TO THE COVER SHEET FOR THIS PROJECT TO NOTIFY DC WATER @ 202-612-3400 IF THE PROPOSED RENOVATION OR NEW CONSTRUCTION REQUIRES DC WATER TO MOVE OR RELOCATE THE UNIT.
THIS IS THE DC WATER EMERGENCY CONTACT NUMBER STAFFED 24 HOURS PER DAY.
TO 1-2 CDA= 5,735 SF IMP= 0 SF PP= 2,555 SF CC= 3,180 SF
TO 1-1 CDA= 16,527 SF IMP= 14,116 SF BIO= 940 SF CC= 1,471 SF
BMP-4781-1-2
TO 2-3 CDA= 7,731 SF IMP= 4,012 SF PP= 3,057 SF CC= 662 SF
TO 2-2
BMP-4781-2-3
TO 2-2 CDA= 1,518 SF IMP= 200 SF PP= 0 CC=1,318 SF
TO 2-2 CDA= 9,166 SF IMP= 6,081 SF PP= 0 CC=3,085 SF
CDA= 15,261 SF IMP=0 SF BIO= 0 SF CC=15,261 SF
TO 3-1 CDA= 33,776 SF IMP=1,494 SF BIO= 1,340 SF CC= 30,942 SF
TO 2-1 CDA= 34,456 SF IMP= 13,692 SF PP = 20,764 SF
TO 2-2
BMP-4781-2-1
TO 1-9 CDA= 20,480 SF IMP= 20,460 SF BIO= 0 SF CC = 0 SF
TO 1-3 CDA= 13,422 SF IMP= 9,264 SF BIO= 838 SF CC= 3,320 SF
BMP-4781-1-3
TO 1-10 CDA= 4,264 SF IMP= 3,037 SF BIO= 166 SF CC =161 SF
TO 1-6 CDA= 6,820 SF IMP= 2,862 SF BIO= 839 SF CC= 3,119 SF
BMP-4781-1-10
TO 2-2 CDA= 5,415 SF IMP= 5,415 SF PP= 0 CC=0
TO 2-3 IMP=17,139 SF IMP= 1,531 SF CC=10,469
PARKING LOT IMP=8,195SF
CDA=28,816SF IMP=17,558SF CC=11,258SF
TO 1-8 CDA= 9,107 SF IMP= 9,107 SF BIO = 166 SF CC = 203 SF
TO 1-9 CDA= 2,799 SF IMP= 2,799 SF BIO = 0 SF CC = 0 SF
TO 1-5 CDA= 5,891 SF IMP= 3,729 SF BIO= 521 SF CC= 1,641 SF
BMP-4781-1-5
TO 1-7 CDA= 2,900 SF IMP= 2,248 SF BIO = 165 SF CC = 487 SF
TO 1-5 CDA= 3,542 SF IMP= 2,695 SF BIO= 102 SF CC= 745 SF
BROAD BRANCH ROAD, N.W.
(VARIABLE WIDTH)
NORTHAMPTON STREET, N.W.
(50 FEET WIDE)
33RD STREET, N.W.
(VARIABLE WIDTH)
15' Public Alley
LOT 9 SQUARE 2012 N/F DAVID MADLAND
LOT 10 SQUARE 2012 N/F W HASSLER
LOT 11 SQUARE 2012 N/F J M STOBER
LOT 2 SQUARE 2012 N/F SUZANNE NEEL
LOT 1 SQUARE 2012 N/F DEBORAH T SMITH
STORM DRAIN MANHOLE
SANITARY MANHOLE
WATER VALVE
GAS VALVE
FIRE HYDRANT
UTILITY POLE
LIGHT POLE
CATCH BASIN
CURB INLET
STORM SEWER
SANITARY SEWER
WATER LINE
GAS LINE
OVERHEAD WIRES
CONCRETE
ASPHALT
BUILDING
KEY PLAN
STORMWATER MANAGEMENT NARRATIVE
LAFAYETTE ELEMENTARY SCHOOL IS AN EXISTING BUILDING THAT WAS ORIGINALLY CONSTRUCTED IN TWO PHASES: ONE WING SIMILAR TO THE TYPICAL DC ELEMENTARY SCHOOL WAS CONSTRUCTED IN 1930, A SECOND WING AND CENTRAL ENTRANCE WITH REAR AUDITORIUM WAS CONSTRUCTED IN 1936. IN THE 1970'S, TWO SUBSTANTIAL ADDITIONS WERE CONSTRUCTED: A ONE STORY CAFETERIA/AUDITORIUM TO THE EAST AND A TWO STORY EARLY CHILDHOOD CLASSROOM AND SCHOOL GYMNASIUM WING TO THE SOUTH. THE TWO 1930'S ACADEMIC WINGS AND CENTER ENTRY PAVILION ARE SCHEDULED TO REMAIN WHILE THE REMAINS OF THE REAR AUDITORIUM AND THE ENTIRETY OF THE 1970'S ADDITION WILL BE DEMOLISHED. THE EXISTING BUILDING HAS A CAPACITY OF APPROXIMATELY 350 STUDENTS. A TOTAL OF 525 STUDENTS WITH 25 FULL TIME STAFF. THE TWO-STORY ACADEMIC WING, MORROWING THE EXISTING WINGS, WILL BE ADDED TO THE EAST WITH A CENTER LIBRARY WITH LOWER LEVEL CAFETERIA SPACE ADDED BETWEEN THE WINGS. A ONE STORY PLUS BASEMENT ADDITION WILL CONNECT THE ACADEMIC PORTION OF THE SCHOOL WITH A NEW GYMNASIUM AND MULTIPURPOSE BUILDING TO THE SOUTH.
THE SITE IS LOCATED DIRECTLY SOUTH OF THE LAFAYETTE PARK, IN THE CHEVY CHASE NEIGHBORHOOD TO WASHINGTON DC. THE PROGRAM, APPROXIMATELY 120,000 SF, INCLUDES SEVERAL ASSEMBLY TYPE SPACES IN ADDITION TO STANDARD ACADEMIC CORE SPACES.
THERE WILL BE SEVERAL BMP DEVICES USED TO MEET THE CODE REGULATIONS FOR STORMWATER MANAGEMENT. A PORTION OF THE ROOF WILL BE DESIGNED AS A GREEN ROOF. BIO-RETENTION AREAS WILL BE INSTALLED THROUGHOUT THE PROJECT SITE, AND PERMEABLE PAVEMENT WILL ALSO BE INCORPORATED. THREE OF THE BIORETENTION AREAS WILL BE STRATEGICALLY LOCATED TO CAPTURE AND TREAT RUNOFF FROM THE NEW BUILDING ROOFS WHICH ARE NOT VEGETATED AND THE NEW PARKING LOT. THE FOURTH BIORETENTION AREA WILL BE LOCATED IN THE SOUTHWEST CORNER OF THE PROPERTY.
15-YEAR AND 2-YEAR DETENTION IS REQUIRED FOR THE PROJECT. THE PROJECT IS REQUIRED TO REDUCE STORMWATER OUTFALL FROM THE PRE-PROJECT CONDITIONS FOR THE 15-YEAR STORM, AND MEADOW CONDITIONS FOR THE 2-YEAR STORM. THIS IS ACCOMPLISHED THROUGH VARIOUS BMPS THROUGHOUT THE SITE, INCLUDING BIO-RETENTION, PERMEABLE PAVING, AND GREEN ROOF HYDROGRAPHS ARE PROVIDED ON SHEET C7.04.
AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER
WITHIN 21 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE ALL STORMWATER BEST MANAGEMENT PRACTICES (BMPS), STORMWATER INFRASTRUCTURE, AND LAND COVERS COLLECTIVELY THE "FACILITY," PLEASE SEND THIS PAGE TO THE WATERSHED PROTECTION DIVISION OF THE DISTRICT DEPARTMENT OF THE ENVIRONMENT.
1. FACILITY INFORMATION:
SOURCE NAME:
SOURCE LOCATION: STREET:
CITY:
DOEA PERMIT NO.:
DATE ISSUED:
2. AS-BUILT CERTIFICATION:
I HEREBY CERTIFY THAT ALL STORMWATER BEST MANAGEMENT PRACTICES (BMPS), STORMWATER INFRASTRUCTURE, AND LAND COVERS WERE BUILT IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THAT ANY DEVIATIONS NOTED BELOW WILL NOT PREVENT THE SYSTEM FROM MEETING THE DESIGN REQUIREMENTS OF CHAPTER 5 OF TITLE 21 OF THE DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS WHEN PROPERLY MAINTAINED AND OPERATED. THESE DETERMINATIONS HAVE BEEN BASED UPON ON-SITE OBSERVATIONS OF CONSTRUCTION, SCHEDULED AND CONDUCTED BY ME OR BY A PROJECT REPRESENTATIVE UNDER MY DIRECT SUPERVISION. I HAVE ENCLOSED ONE SET OF AS-BUILT ENGINEERING DRAWINGS.
SIGNATURE OF ENGINEER
NAME (PLEASE TYPE) D.C. REG. NO.
AFFIX SEAL:
COMPANY NAME:
COMPANY ADDRESS:
DATE: TELEPHONE:
SUBSTANTIAL DEVIATIONS FROM THE APPROVED PLANS AND SPECIFICATIONS (ATTACH ADDITIONAL SHEETS IF REQUIRED).
STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE
THE UNDERSIGNED AGREES TO MAINTAIN AND OPERATE THE STORMWATER BEST MANAGEMENT PRACTICES (BMPS), STORMWATER INFRASTRUCTURE, AND LAND COVERS IN SUCH A MANNER AS TO COMPLY WITH THE PROVISIONS OF CHAPTER 5 OF TITLE 21 OF THE DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS (DCMR).
RESPONSIBILITY FOR MAINTENANCE AND OPERATION MAY BE TRANSFERRED TO ANOTHER ENTITY UPON SALE OF THE PROPERTY, BUT THE UNDERSIGNED SHALL REMAIN RESPONSIBLE TO THE DEPARTMENT OF THE ENVIRONMENT FROM THE PROPERTY AND THE ENTITY ASSUMING RESPONSIBILITY. THIS NOTICE MUST CERTIFY THAT THE TRANSFER OF RESPONSIBILITY FOR MAINTENANCE AND OPERATION IS IN COMPLIANCE WITH 21 DCMR CHAPTER 5.
SIGNATURE OF PERSON RESPONSIBLE FOR MAINTENANCE (IT MAY BE THE APPLICANT)
SPENCER SAND, DC DEPARTMENT OF GENERAL SERVICES
NAME AND TITLE (PLEASE TYPE)
2000 14th STREET, NW, 8th FLOOR
ADDRESS
WASHINGTON, DC 20009
DATE: PHONE NO.: (202) 727-2800
STATEMENT BY PROFESSIONAL ENGINEER REGISTERED IN THE DISTRICT OF COLUMBIA
THIS IS TO CERTIFY THAT THE ENGINEERING FEATURES OF ALL STORMWATER BEST MANAGEMENT PRACTICES (BMPS), STORMWATER INFRASTRUCTURE, AND LAND COVERS COLLECTIVELY THE "FACILITY," HAVE BEEN DESIGNED BY ME OR UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THAT I AM FAMILIAR WITH THE STORMWATER POLLUTANTS. I FURTHER CERTIFY THAT THE FACILITY HAS BEEN DESIGNED IN ACCORDANCE WITH THE SPECIFICATION REQUIRED UNDER CHAPTER 5 OF TITLE 21 OF THE DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS. IT IS ALSO STATED THAT THE UNDERSIGNED HAS FURNISHED THE APPLICANT WITH A SET OF INSTRUCTIONS FOR MAINTENANCE AND OPERATION OF THE SITE'S FACILITY.
SIGNATURE OF THE ENGINEER
AFFIX SEAL:
AARON ARMSTRONG, PE
NAME AND TITLE (PLEASE TYPE):
736 6th STREET, SE, 2nd FLOOR
ADDRESS:
WASHINGTON, DC 20003
DATE: PHONE NO.: (202) 630-4040
NOTE:
NO PERMITTED STORM WATER BMP IS COMPLETE UNTIL A FINAL INSPECTION HAS BEEN CONDUCTED, AND AS-BUILT PLAN SUBMITTED TO THE DDOE WITH 21 DAYS AFTER INSPECTION FOR REVIEW APPROVAL.
LEGEND:
EXTENSIVE GREEN ROOF (5" MEDIA DEPTH)
ENHANCED BIORETENTION AREA
DRAINAGE AREA
BMP LABEL
NEW TREE (46)
EXISTING TREE TO REMAIN (25)
SCALE: 1" = 20'
HARTMAN-COX ARCHITECTS
1074 Thomas Jefferson St., NW
Washington, DC 20007
202.333.8448
GRIMM AND PARKER
11720 Beltsville Drive
Suite 900
Calverton, MD 20705
301.595.1000
Program Managers
Bill & A Structural Engineers, PLLC
Betty & Associates International
Wiles Mensch Corporation DC
Polyvances
Nyikos Associates
SEAL
DGS CONTRACT NO. YY187C
DISTRICT OF COLUMBIA PUBLIC SCHOOLS
HCA# 1409
GPR 21442
STORMWATER MANAGEMENT PLAN
LAFAYETTE ELEMENTARY SCHOOL
WASHINGTON, DC
SUBMISSION
DATE DESCRIPTION
C7.02
6/29/2015
Foundation to Grade
3rd Party