#### ZONING RELIEF GRANTED

NOT APPLICABLE AS OF 6 MAY 2014

PRELIMINARYLAND DEVELOPMENT PLAN

FOR PROPOSED

# CIVIL & ENVIRONMENTAL ENGINEERING RESEARCH CENTER

AT

## LAFAYETTE COLLEGE

FORMER HUMMEL LUMBER YARD 900 BUSHKILL DR. EASTON, PA 18042

NOT APPLICABLE AS OF 6 MAY 2014

S.A.L.D.O. RELIEF GRANTED

#### PROJECT DATA

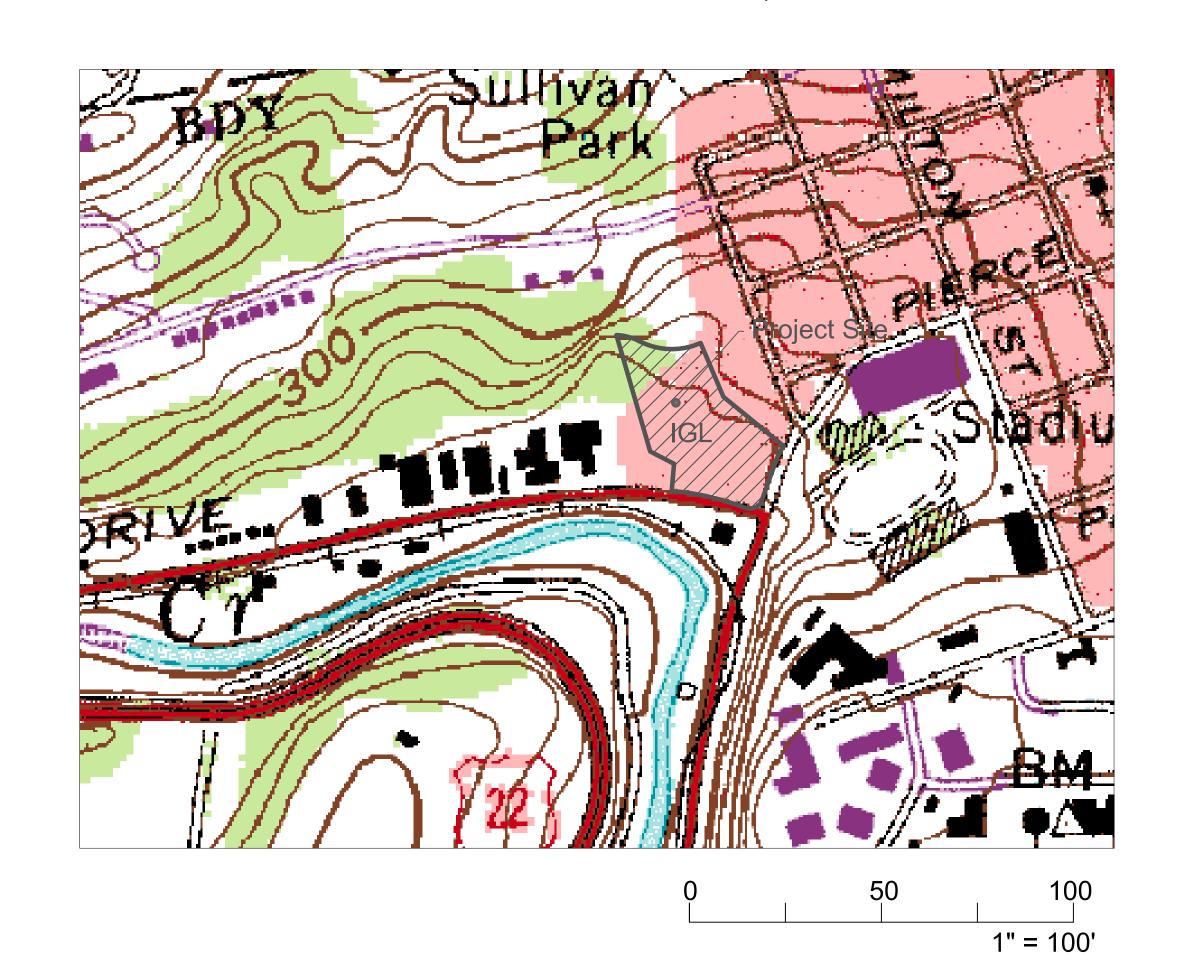
RECORD OWNER: LAFAYETTE COLLEGE
APPLICANT: LAFAYETTE ENGINEERING COMPANY
740 HIGH ST ACOPIAN ENGINEERING CENTER, LAFAYETTE COLLEGE
EASTON, PA, 18042
PROPERTY ADDRESS: 900 BUSHKILL DR EASTON, PA 18042

MUNICIPALITY: EASTON CITY, NORTHAMPTON COUNTY
SUBDIVISION: N/A
TAX PARCEL I.D.: L9/ 13 2/ 0310
DEED REFENCE: dDBV 2007-1 Pg. 116347
LOT AREA: 4.81 AC.
ZONING DISTRICT: IGL
WATER: PUBLIC
SANITARY SEWER: PUBLIC

#### PLAN AND REVISION DATES

**DATE**05.08.2014

DESCRIPTION
INITIAL SUBMISSION



#### PLAN INDEX

1 OF 9 COVER SHEET
2 OF 9 IMPROVEMENTS PLAN
3 OF 9 EXISTING CONDITIONS & DEMOLITION PLAN
4 OF 9 GRADING PLAN
5 OF 9 UTILITY PLAN
6 OF 9 LANDSCAPE & LIGHTING PLAN
7 OF 9 PEDESTRIAN PATH PLAN & DETAILS
8 OF 9 CONSTRUCTION DETAILS

SUPPLEMENTAL PLAN INDEX

SITE SECTIONS

PCSM PLAN SET

1 OF 3 PCSM PLAN
2 OF 3 PRE-DEVELOPMENT DRAINAGE
3 OF 3 POST DEVELOPMENT DRAINAGE

#### MUNICIPAL REVIEWS

APPROVED BY THE PLANNING COMMISSION OF CITY OF EASTON TOWNSHIP, NORTHAMPTON COUNTY, THIS DAY OF . 2014.

SECRETARY

APPROVED BY THE BOARD OF SUPERVISORS OF CITY OF EASTON TOWNSHIP, THIS DAY OF , 2014.

CHAIRMAN DATE

SECRETARY DATE

L.V.P.C. REVIEW

REVIEWED BY THE LEHIGH VALLEY PLANNING

L.V.P.C. STAFF PERSON DATE
RESPONSIBLE FOR REVIEW

#### PLAN OF RECORD

RECORDED THIS \_\_\_DAY OF \_\_\_, 2014
IN THE OFFICE OF THE RECORDER OF DEEDS IN AND
FOR THE COUNTY OF NORTHAMPTON, PENNSYLVANIA
IN PLAN BOOK NO. \_, PAGE \_.

RECORDER OF DEEDS

#### CERTIFICATE OF OWNERSHIP

I THE UNDERSIGNED, BEING A DULY AUTHORIZED SIGNATORY OF LAFAYETTE COLLEGE, DESPOSE AND SAY THAT LAFAYETTE COLLEGE IS THE REGISTERED OWNER OF THE LAND HERIN PLATTED AND DOES HEREBY ADOPT THIS PLAN.

ME TITL

SIGNATURE DAT

#### OWNER'S ACKNOWLEDGEMENT

STATE OF PENNSYLVANIA COUNTY OF NORTHAMPTON

ON THIS\_\_\_DAY OF\_\_, 2014, BEFORE ME, THE SUBSCRIBER, A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AND AFORESAID, THE UNDERSAID, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED

WHO ACKNOWLEDGED

HIMSELF TO BE THE

OF LAFAYETTE COLLEGE AND THAT HE, AS AN AUTHORIZED SIGNATORY, EXECUTED AS THE OFFICIAL PLAN OF THE IMPROVEMENTS, HIGHWAYS, AND PROPERTY SHOWN THEREON AND DESIRED THAT THE PLAN BE RECORDED ACCORDED TO LAW.

IN WITNESS THEREOF, I HEREUNTO SET MY HAND AND OFFICIAL SEAL.

NOTARY PUBLIC

#### **ENGINEER'S CERTIFICATION**

I, B. N. BEHR, A REGISTERED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THE ACCOMPANYING APPLICATION, PLANS AND SUPPORTING DOCUMENTATION ARE TRUE AND CORRECT, TO THE BEST OF MY KNOWLEDGE.

LAFAYETTE ENGINEERING COMPANY, INC. DATE BY B. N. BEHR, (AGENT) PA LICENSE NO. PE-012345

THIS PLAN IS NULL AND VOID UNLESS IT CONTAINS AN ORIGINAL SIGNATURE, DATE, AND PROFESSIONAL SEAL.

RECORD PLAN 2 OF 2



Acopian Engineering Center, Lafayette College 740 High Street, Easton, PA 18042-1775 T: 610-330-5000 Email: spadaccl@lafayette.edu

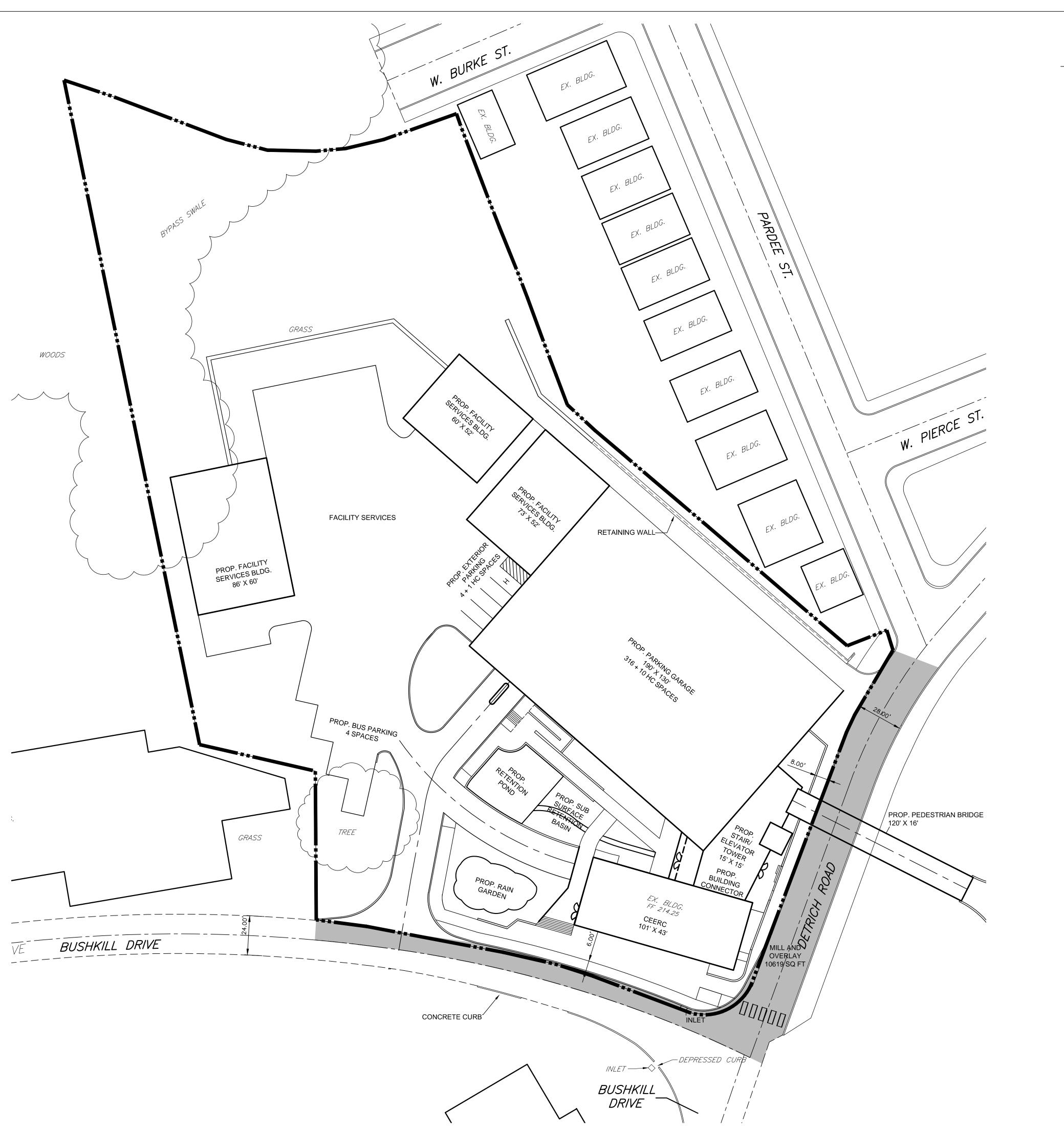




WHAT YOU DON'T KNOW CAN HURT YOU.

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

SERIAL NO. 2012-3130394



**GENERAL NOTES** 

MUNICIPAL REVIEWS

APPROVED BY THE PLANNING COMMISSION OF CITY OF EASTON TOWNSHIP, NORTHAMPTON COUNTY, THIS DAY OF\_\_, 2014.

SECRETARY

APPROVED BY THE BOARD OF SUPERVISORS OF CITY OF EASTON TOWNSHIP, THIS \_\_DAY OF \_\_, 2014.

CHAIRMAN

SECRETARY DATE

TOWNSHIP ENGINEER DATE

#### **ENGINEER'S CERTIFICATION**

I, SEAN DOOLEY, A REGISTERED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THE ACCOMPANYING APPLICATION, PLANS AND SUPPORTING DOCUMENTATION ARE TRUE AND CORRECT, TO THE BEST OF MY KNOWLEDGE.

KEYSTONE CONSULTING ENGINEERS, INC. DATE BY SEAN DOOLEY, P.E. (AGENT) REGISTRATION NO. PE-XXXXXX

THIS PLAN IS NULL AND VOID UNLESS IT CONTAINS AN ORIGINAL SIGNATURE, DATE, AND PROFESSIONAL SEAL.

SURVEYOR'S CERTIFICATION

#### L.V.P.C. REVIEW

REVIEWED BY THE LEHIGH VALLEY PLANNING COMMISSION

L.V.P.C. STAFF PERSON

RESPONSIBLE FOR REVIEW

#### PLAN OF RECORD

RECORDED THIS \_\_\_DAY OF \_\_\_, 2014 IN THE OFFICE OF THE RECORDER OF DEEDS IN AND FOR THE COUNTY OF NORTHAMPTON, PENNSYLVANIA, IN PLAN BOOK NO.\_, PAGE\_.

RECORDER OF DEEDS

#### RECORD OWNER / APPLICANT

LAFAYETTE COLLEGE LAFAYETTE ENGINEERING COMPANY 740 HIGH ST ACOPIAN ENGINEERING CENTER, LAFAYETTE COLLEGE EASTON, PA, 18042

#### SITE DATA

PROPERTY ADDRESS: 900 BUSHKILL DR. EASTON, PA 18042 MUNICIPALITY: EASTON CITY, NORTHAMPTON COUNTY MUNICIPALITY: SUBDIVISION: TAX PARCEL I.D. L9/ 13 2/ 0310 DEED REFENCE: dDBV 2007-1 Pg. 116347 LOT AREA: 4.81 AC. ZONING DISTRICT: WATER: **PUBLIC** SANITARY SEWER: **PUBLIC** 

#### STATEMENT OF INTENT

PARKING/LOADING SPACE TABULATION

PLAN PREPARER'S NOTES

SIGNATURE

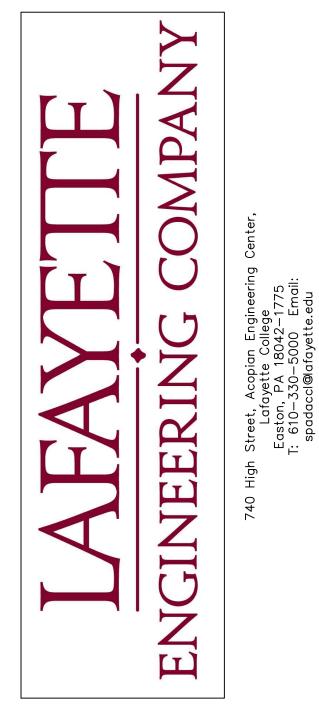
DATE

DESCRIPTION

REVISIONS

DATE SIGNED

B. N. BEHR PROFESSIONAL ENGINEER PA Lic. No. PE-0123456



#### LAFAYETTE COLLEGE

CIVIL AND ENVIRONMENTAL **ENGINEERING RESEARCH** CENTER (CEERC)

CITY OF EASTON NORTHAMPTON COUNTY, PENNSYLVANIA

DRAWING TITLE

## **IMPROVEMENTS** PLAN

## RECORD PLAN 2 OF 2

PROJECT NO.	DRAWING NO.
CE473-S14	
DATE	
5/8/2014	
SCALE	<i>   </i> -/-
1" = 30'	
DRAWN BY	
ZTB	
SUBMISSION DATE	011555 0 0 5 0
5/8/2014	SHEET 2 OF 9



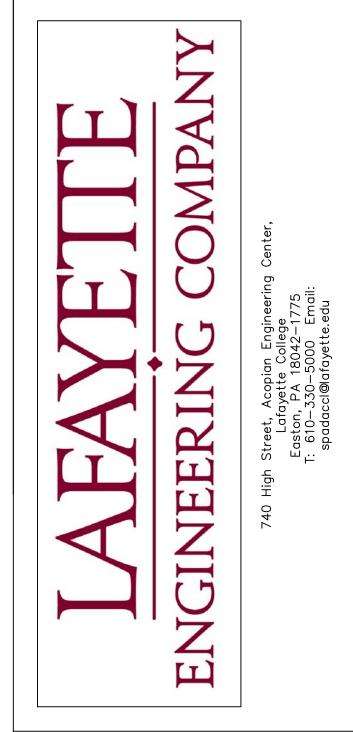
DATE DESCRIPTION

REVISIONS

SIGNATURE

DATE SIGNED

B. N. BEHR PROFESSIONAL ENGINEER PA Lic. No. PE-0123456



PROJECT

### LAFAYETTE COLLEGE

CIVIL AND ENVIRONMENTAL ENGINEERING RESEARCH CENTER (CEERC)

CITY OF EASTON NORTHAMPTON COUNTY, PENNSYLVANIA

DRAWING TITLE

EXISTING
CONDITIONS &
DEMOLITION PLAN

PROJECT NO.	DRAWING NO.
CE473-S14	
DATE	
5/8/2014	1 1 2
SCALE	LU-J
1" = 30'	
DRAWN BY	
CSH	
SUBMISSION DATE	
5/8/2014	SHEET 3 OF 9



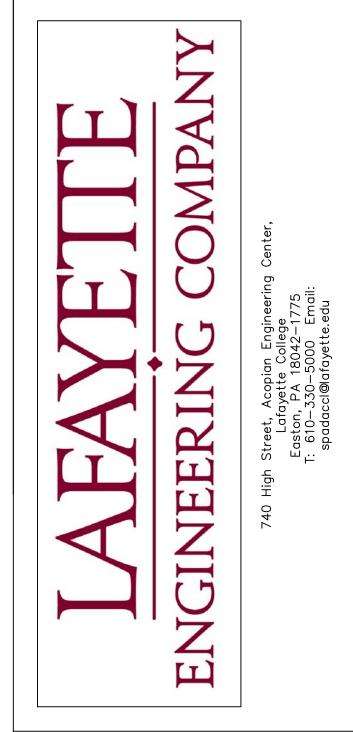
DATE DESCRIPTION

**REVISIONS** 

SIGNATURE

DATE SIGNED

B. N. BEHR PROFESSIONAL ENGINEER PA Lic. No. PE-0123456



JECT

LAFAYETTE COLLEGE

CIVIL AND ENVIRONMENTAL ENGINEERING RESEARCH CENTER (CEERC)

CITY OF EASTON
NORTHAMPTON COUNTY, PENNSYLVANIA
DRAWING TITLE

**GRADING PLAN** 

PROJECT NO.	DRAWING NO.
CE473-S14	
DATE	
5/8/2014	
SCALE	
1" = 30'	
DRAWN BY	
AV	
SUBMISSION DATE	

5/8/2014

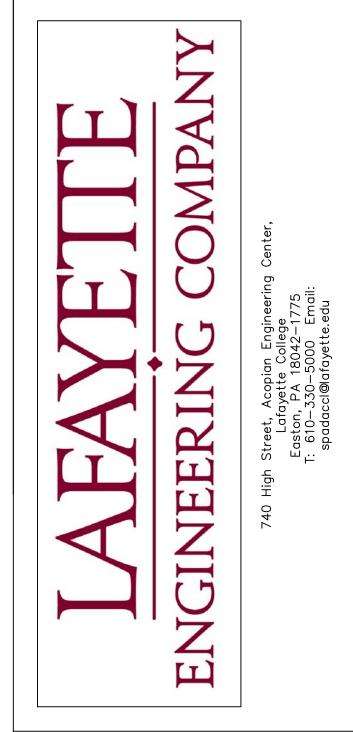


DATE DESCRIPTION **REVISIONS** 

SIGNATURE

DATE SIGNED

B. N. BEHR PROFESSIONAL ENGINEER PA Lic. No. PE-0123456



#### LAFAYETTE COLLEGE

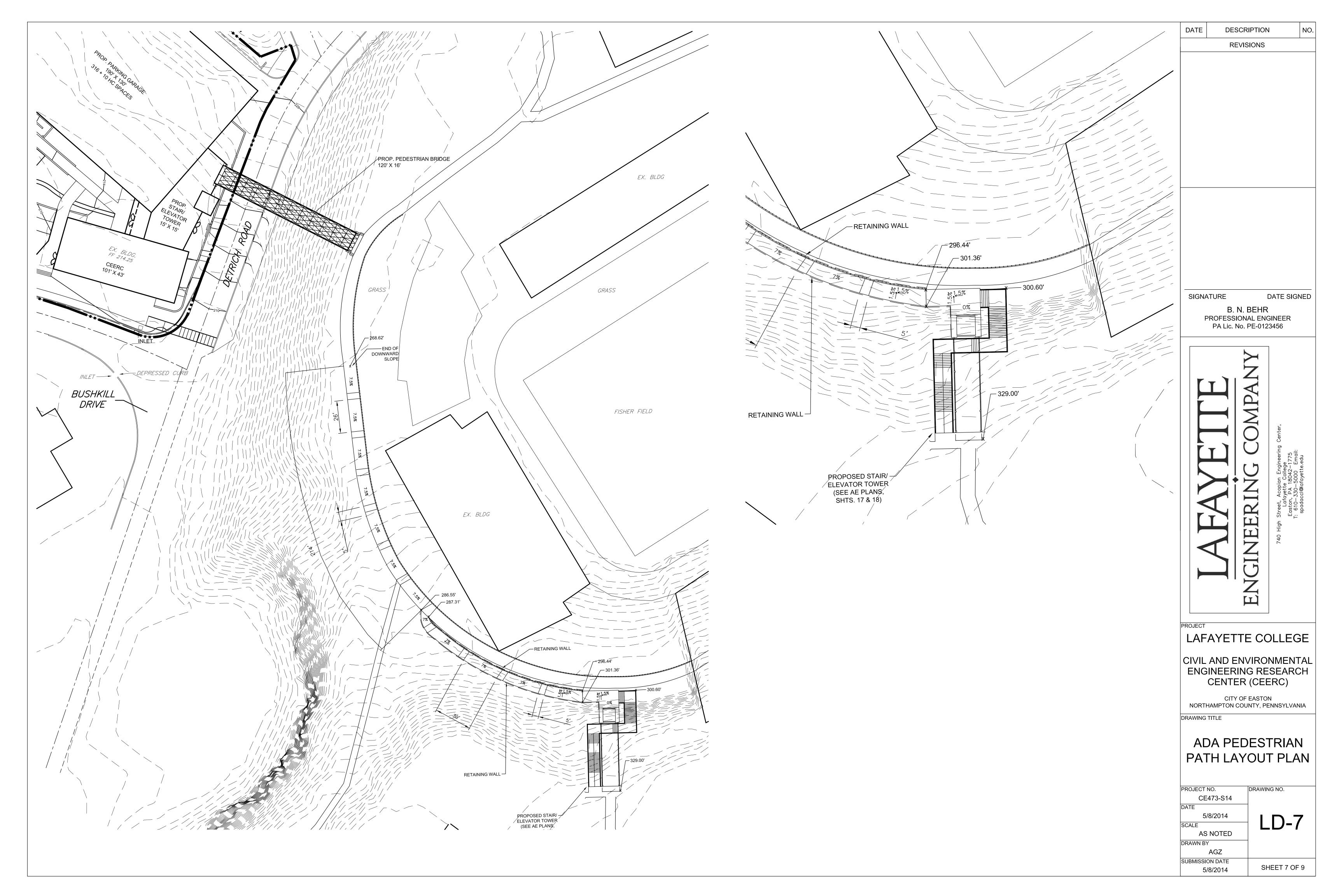
CIVIL AND ENVIRONMENTAL **ENGINEERING RESEARCH** CENTER (CEERC)

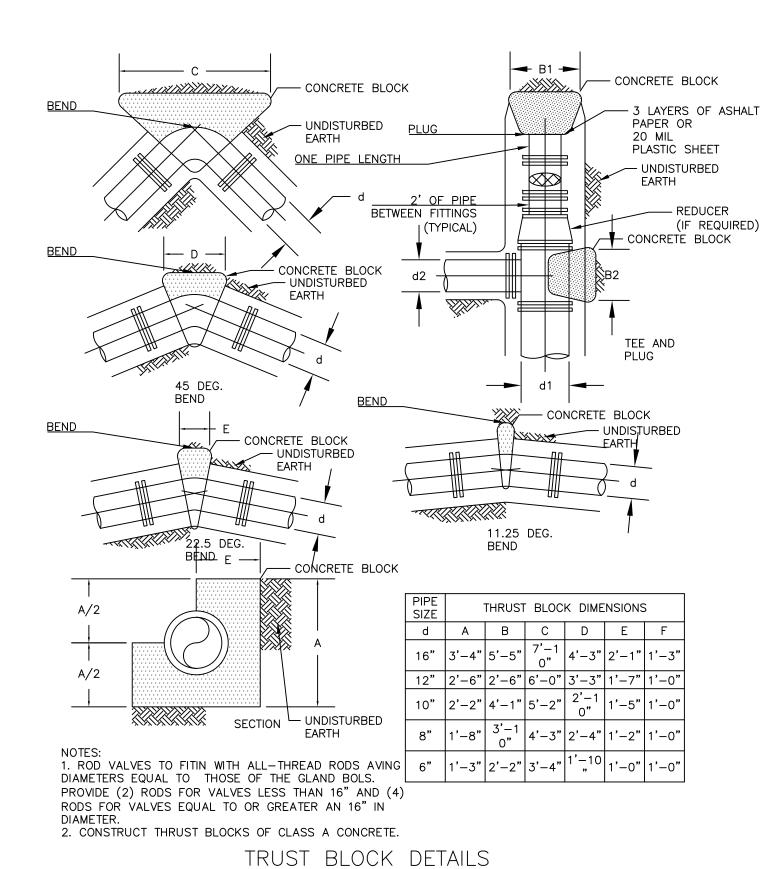
CITY OF EASTON NORTHAMPTON COUNTY, PENNSYLVANIA DRAWING TITLE

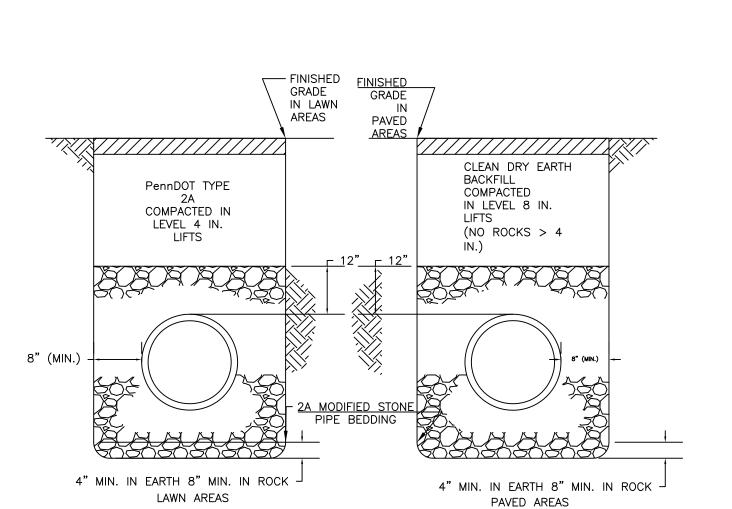
UTILITY PLAN

PROJECT NO.	DRAWING NO.
CE473-S14	
DATE	
5/8/2014	
SCALE	ノーこ)
1" = 30'	
DRAWN BY	
JGD	
SUBMISSION DATE	SHEET 5 OF 9
5/8/2014	

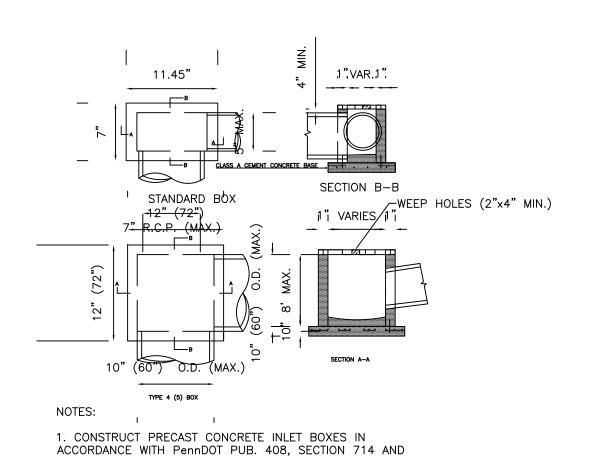








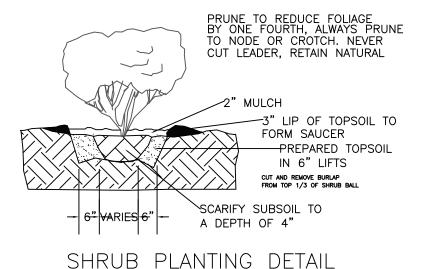
PIPE BEDDING DETAILS

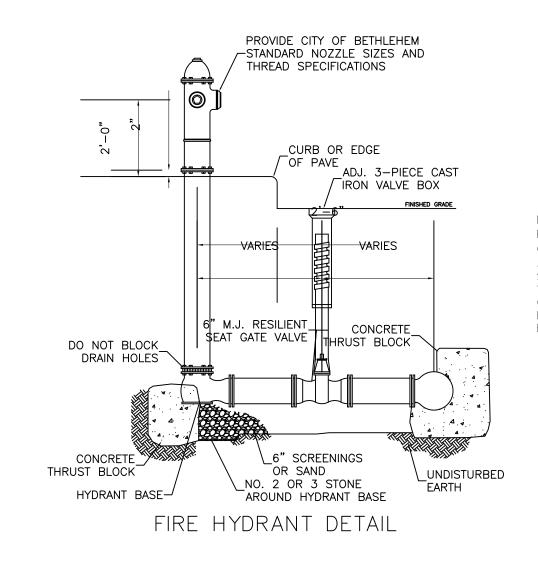


PUB. 72M, R.C. 46M STANDARDS. 2. DIMENSIONS FOR PennDOT TYPE 5 INLET BOX SHOWN

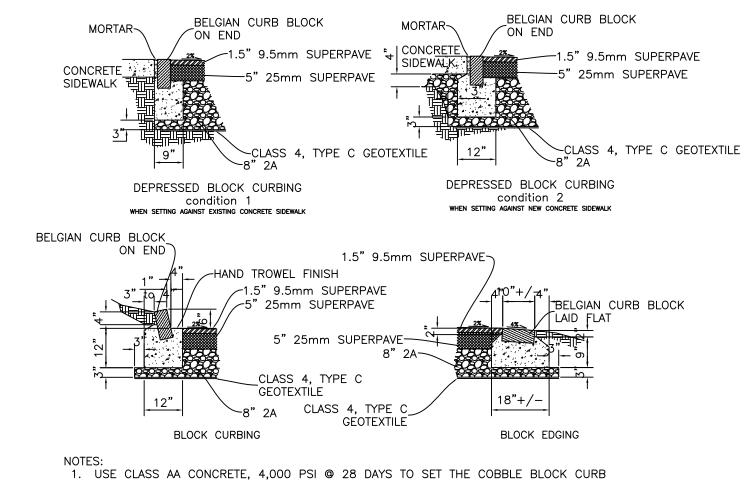
PRECAST CONCRETE INLET BOX DETAILS

8' CHANNEL BAR STAKES OR 3" DIA. CEDAR STAKES SET OUTSIDE OF ROOT BALL 'ARBORTE GREEN' FLEXIBLE (STAKE ONLY IF NECESSARY) GUY OR EQUAL (TYPICAL) /2" MIN. DEPTH HARDWOOD REMOVE BURLAF / MULCH (DO NOT PLACE MULCH FROM TOP AGAINST TRUNK) \_\_\_5" EARTH SAUCER (TYP.) OF ROOT BALL BACKFILL MIXTURE
2 PARTS NATIVE SOIL 1 PART TOPSOIL UNDISTURBED OR FIRMLY TAMPLED SOIL TREE PLANTING AND STAKING DETAIL



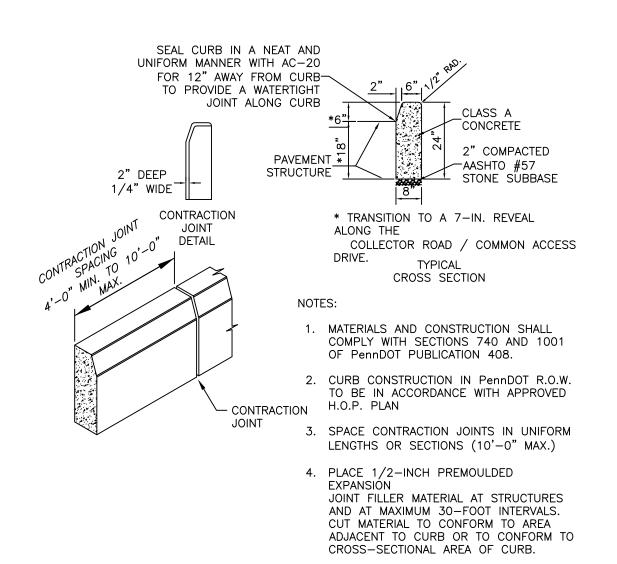


PROVIDE MUELLER NO. A-24015 W/ 6" SHOE AMÉRICAN NO. B-50-B QUICK FIX W/ 6" SHOE (MJ), WATEROUS WB-67 PACER OR KENNEDY GUARDIAN K-81-A FIRE HYDRANT, AS APPROVED BY THE CITY OF BETHLEHEM.

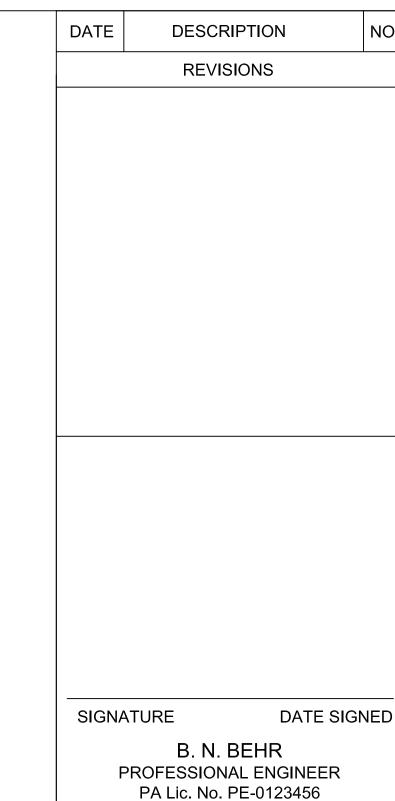


AND EDGING 2. SET COBBLE BLOCKS %" APART. 3. DEPRESS CURB WHERE NOTED ON PLAN, SET BLOCKS VERTICALY WHEN FULLY DEPRESSED AND LEAVE %" GAP BETWEEN SIDEWALK AND BLOCKS TO LATER MORTAR BETWEEN. BLOCKS SHALL BE FLUSH TO THE CONCRETE SIDEWALK AND RISE NO HIGHER THAN IT AT ANY POINT IN TRANSITION TO FULL 6" 4. AFTER CONCRETE HAS SET, MORTAR BETWEEN BLOCKS WITH GROOVE JOINT. 5. DEPTH OF 2A STONE SHALL BE AS NOTED AFTER 97% COMPACTION.

CURB DETAILS



STANDARD CONCRETE CURB DETAIL



ER H

PROJECT

LAFAYETTE COLLEGE

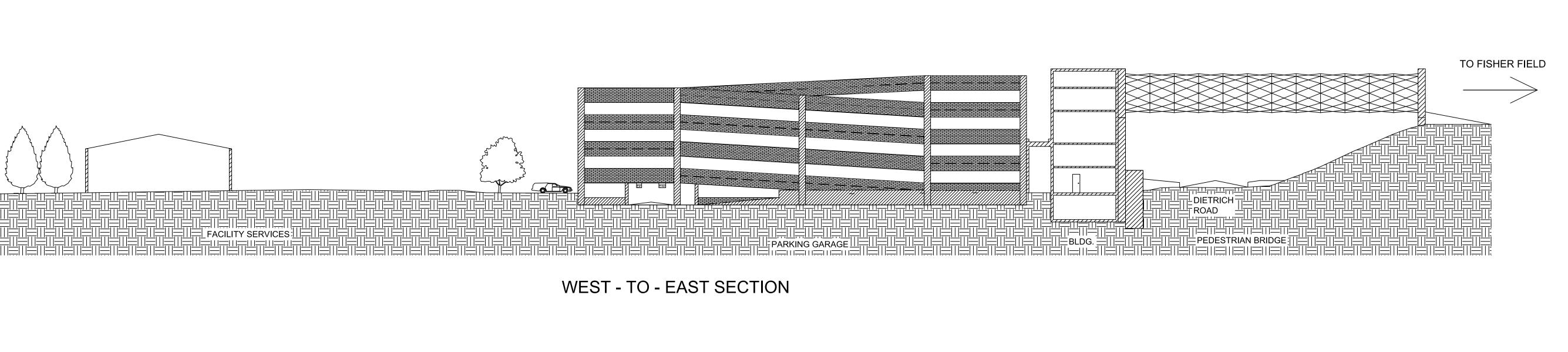
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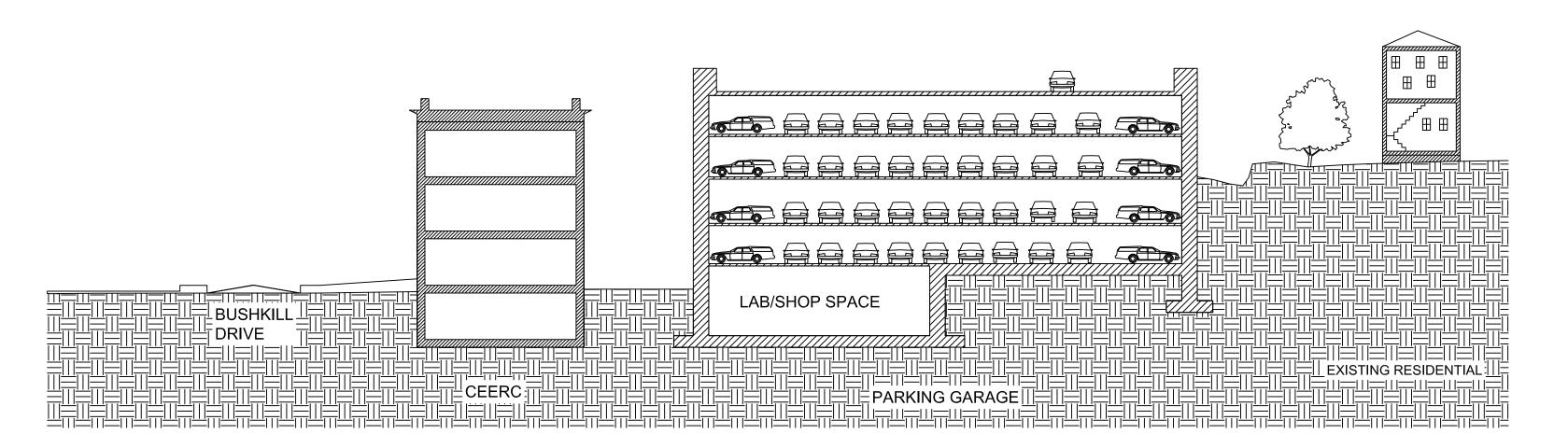
CIVIL AND ENVIRONMENTAL **ENGINEERING RESEARCH** CENTER (CEERC)

CITY OF EASTON NORTHAMPTON COUNTY, PENNSYLVANIA DRAWING TITLE

#### CONSTRUCTION **DETAILS**

ROJECT NO.
CE473-S14
ATE
5/8/2014
CALE
NO SCALE
RAWN BY
MJA
5/8/2014 E NO SCALE





SOUTH - TO - NORTH SECTION

SIGNATURE DATE SIGNED B.N. BEHR PROFESSIONAL ENGINEER PA Lic. No. PE-0123456

DATE

DESCRIPTION

REVISIONS

PROJECT

LAFAYETTE COLLEGE

CIVIL AND ENVIRONMENTAL ENGINEERING RESEARCH CENTER (CEERC)

CITY OF EASTON NORTHAMPTON COUNTY, PENNSYLVANIA DRAWING TITLE

SITE SECTIONS

PROJECT NO.	DRAWING NO.
CE473-S14	
DATE	
05/8/2014	
SCALE	LD-9
1"=20'	
DRAWN BY	
PBC	
SUBMISSION DATE	OUEET 0 OF 0
05/8/2014	SHEET 9 OF 9

05/8/2014