

SITE DEVELOPMENT PLAN SOLAR ENERGY ARRAY BOUTILIER ROAD IN LEICESTER, MASSACHUSETTS SEPTEMBER 10, 2018



APPLICANT:

ZPT ENERGY SOLUTIONS II, LLC
BRENDON GOVE
6 PARK AVENUE
WORCESTER, MASSACHUSETTS 01605
TEL: (774) 314-2549

OWNER

NICHOLAS A. CASELLO
21 BOUTILIER ROAD
LEICESTER, MASSACHUSETTS 01524

CIVIL ENGINEER & LAND SURVEYOR:

HANNIGAN ENGINEERING, INC.
8 MONUMENT SQUARE
LEOMINSTER, MASSACHUSETTS 01453
TEL: (978) 534-1234

PLAN INDEX

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PERMITTING SET



PROJECT INFORMATION

LAND INFORMATION
 MAP SHEET: 0001
 SHEET NO.: 42781/140
 PROJECTED TOTAL AREA: 44.57 ACRES

ADDITIONAL INFORMATION
 BUSINESS RESERVATION 1 (B-1)
 ADJACENT AREA: 44.57 ACRES
 ADJACENT PROJECT: 44.57 ACRES
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- GENERAL NOTES:**
1. PROPERTY LINE INFORMATION BASED ON DEEDS AND PLANS OF RECORD. NO CERTIFICATION OF PROPERTY LINES SHOWN ON THIS PLAN IS INTENDED BY HANNIGAN ENGINEERING, INC. PROPERTY LINE SURVEY INFORMATION MUST BE BY A ON-THE-GROUND PROPERTY LINE SURVEY IN ACCORDANCE WITH MASSACHUSETTS REGULATION 800 CMR 1.00.
 2. TOPOGRAPHIC SURVEY INFORMATION AS DETECTED HEREON IS BASED ON FIELD SURVEY DATA AND INFORMATION PROVIDED BY THE US GEOLOGICAL SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY OTHER DATA AND INFORMATION REQUIRED FOR THE PROJECT.
 3. AREAS SUBJECT TO PROTECTION UNDER THE WETLANDS PROTECTION ACT HAVE BEEN DEICATED BY CANON ENVIRONMENTAL, INC. AS OF 2018. THESE AREAS ARE SHOWN ON THE PLANS BASED ON FIELD SURVEY DATA DURING THE SURVEY.
 4. LOCATION OF ALL UTILITIES ARE APPROXIMATE AS SHOWN AND BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE LOCATION OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY OTHER DATA AND INFORMATION REQUIRED FOR THE PROJECT.
 5. UTILITIES INFORMATION SHOWN ON THIS PLAN SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY OTHER DATA AND INFORMATION REQUIRED FOR THE PROJECT.
 6. LOCATION OF ANY OTHER UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY OTHER DATA AND INFORMATION REQUIRED FOR THE PROJECT.
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HANNIGAN ENGINEERING, INC.
 CIVIL ENGINEERS & LAND SURVEYORS

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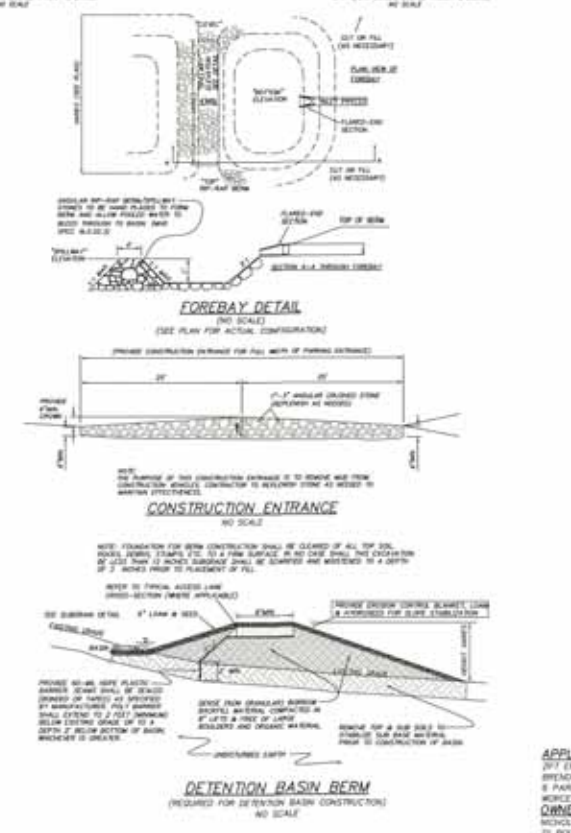
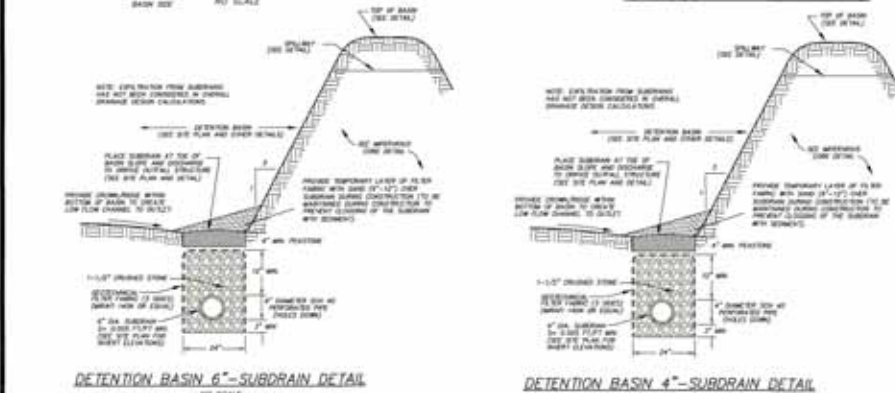
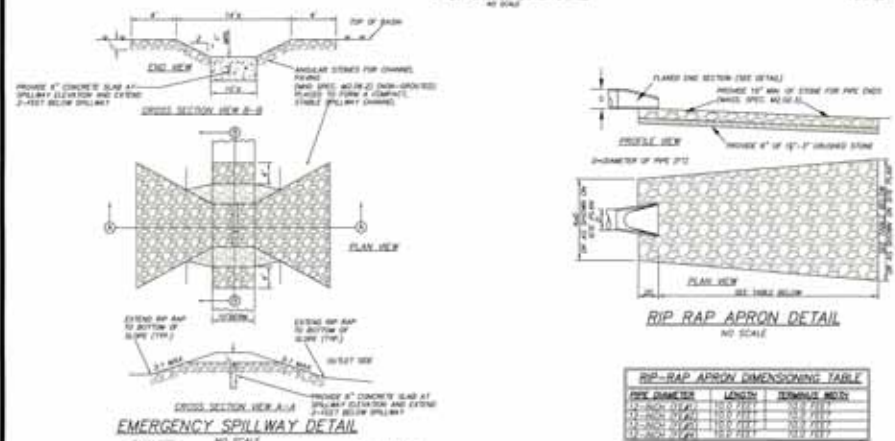
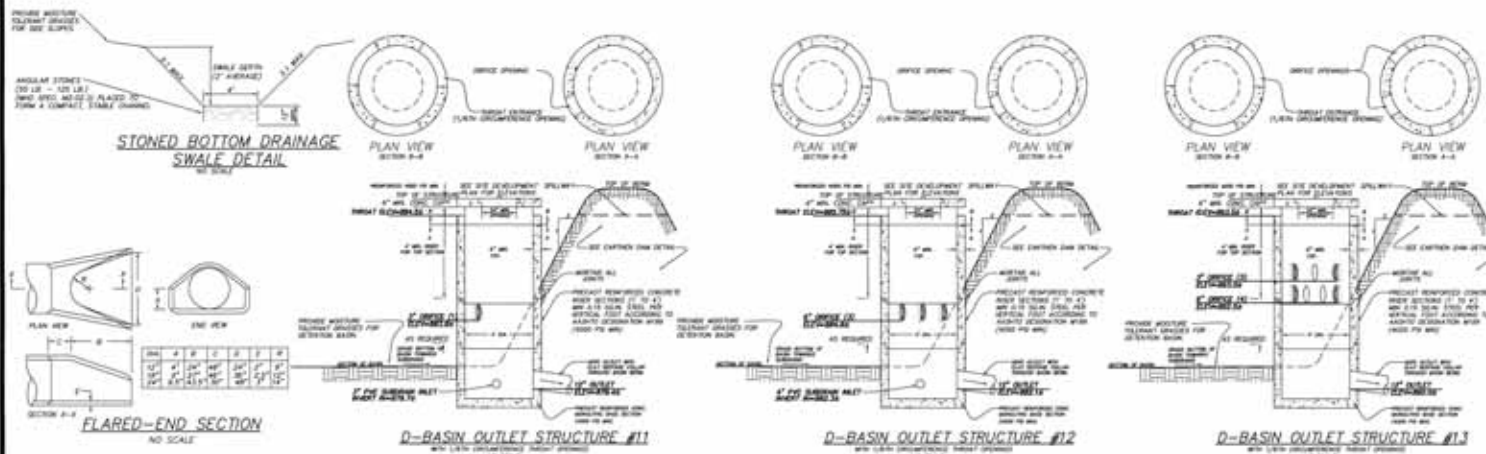
EXISTING CONDITIONS PLAN IN LEICESTER, MASSACHUSETTS

PREPARED FOR:
 ZPT ENERGY SOLUTIONS II, LLC
 BRENDA GOVE, MANAGER
 6 PARK AVENUE
 WORCESTER, MASSACHUSETTS 01608
 TEL: (508) 214-2549

GRAPHIC SCALE: 1"=80'

CALC: LRS DRWN: LRS SCALE: 1"=80'
 CHKD: WGH APPD: LRS DATE: SEP 10, 2018
 SRV: JET/WH FB: 02778-070818 JOB NO: 2718
 TAB: (1) EXCND SHEET 3 OF 8 PLAN NO: 14-20

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 WORCESTER, MASSACHUSETTS 01608
OWNER:
 NICHOLAS A. CABELLO
 21 BOUTLIER ROAD
 LEICESTER, MASSACHUSETTS 01524
REFERENCES:
 ADJACENT INFORMATION:
 MAP 35
 PARCELS 83
 DEED BOOK 42781, PAGE 182



STORMWATER OPERATION AND MAINTENANCE PLAN

THE FOLLOWING SHALL BE CONSIDERED THE OPERATION & MAINTENANCE PLAN (OMP) FOR THE STORMWATER COLLECTION FACILITY. THIS OMP HAS BEEN PREPARED IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN AS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

1. SYSTEM DESCRIPTION:
THE SYSTEM SHALL INCLUDE THE OPERATIONAL INFRASTRUCTURE AND ALL OF ITS COMPONENTS AS SHOWN ON THE O&M MAINTENANCE PLAN, INCLUDING THE DETENTION FACILITIES AND OUTLET AREAS OF THE STORMWATER SYSTEM. THE STRUCTURES OF THE SYSTEM SHALL INCLUDE THE DRAINAGE DITCHES AND THE DRAINAGE CONTROL STRUCTURES. THE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DETAIL AND THE APPROVED PLANS.

UPON THE COMPLETION OF CONSTRUCTION, THE OPERATIONAL SYSTEM DESCRIBED ABOVE AND AS SPECIFIED ON THE O&M PLAN SHALL BECOME PROPERTY OF THE LAND OWNER, WITH SPECIFIC EXISTENCE RIGHTS TO THE OPERATOR OF THE DRAINAGE SYSTEM TO MAINTAIN THE DRAINAGE SYSTEM AS SPECIFIED ON THE APPROVED PLANS. THE EXISTENCE RIGHTS SHALL BE SPECIFICALLY DESCRIBED IN LEASE AGREEMENTS FOR THE PROJECT.

2. RESPONSIBLE PARTIES:
THE OPERATOR OF THE DRAINAGE SYSTEM SHALL BE CONSIDERED THE RESPONSIBLE PARTY FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE SYSTEM SHALL INCLUDE THE DRAINAGE INFRASTRUCTURE AND ALL OF ITS COMPONENTS AS SHOWN ON THE APPROVED PLANS. THE SYSTEM SHALL ALSO INCLUDE THE DETENTION FACILITIES AND THE OUTLET AREAS OF THE DRAINAGE SYSTEM.

3. MAINTENANCE & REPAIRS SCHEDULE:
THE FOLLOWING MAINTENANCE SCHEDULE SHALL BE FOLLOWED IN ORDER TO MAINTAIN THE EFFECTIVENESS OF THE STORMWATER MANAGEMENT SYSTEM.

ACTIVITY	MAINTENANCE	REPAIRS
ANNUAL MAINTENANCE	EVERY 1 YEAR	ANNUAL MAINTENANCE
DETENTION BASIN	EVERY 1 YEAR	ANNUAL MAINTENANCE
OUTLET STRUCTURES	EVERY 1 YEAR	ANNUAL MAINTENANCE
DRAINAGE DITCHES	EVERY 1 YEAR	ANNUAL MAINTENANCE

NOTE: THE DETENTION BASIN ON THIS PROJECT MAY GROW VEGETATION IN THE DETENTION BASIN. ANY VEGETATION GROWING IN THE DETENTION BASIN SHALL BE MAINTAINED. THE DETENTION BASIN SHALL NOT BE CONSIDERED AS A WEED GROWTH AREA. THE DETENTION BASIN SHALL NOT BE CONSIDERED AS A WEED GROWTH AREA.

SEEDING OPERATION AND MAINTENANCE PLAN

1. RESPONSIBLE PARTIES:
THE OPERATOR OF THE DRAINAGE SYSTEM SHALL BE CONSIDERED THE RESPONSIBLE PARTY FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE SYSTEM SHALL INCLUDE THE DRAINAGE INFRASTRUCTURE AND ALL OF ITS COMPONENTS AS SHOWN ON THE APPROVED PLANS. THE SYSTEM SHALL ALSO INCLUDE THE DETENTION FACILITIES AND THE OUTLET AREAS OF THE DRAINAGE SYSTEM.

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DRWN: CNA/WH
APPD: WH
FB: 02/19/2018
SHEET 8 OF 8

SCALE: 1/4"
DATE: SEPT 15, 2017
JOB NO: 2718
PLAN NO: C-14-15

APPLICANT:
ZPT ENERGY SOLUTIONS & LLC
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6 PARK AVENUE
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OWNER:
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