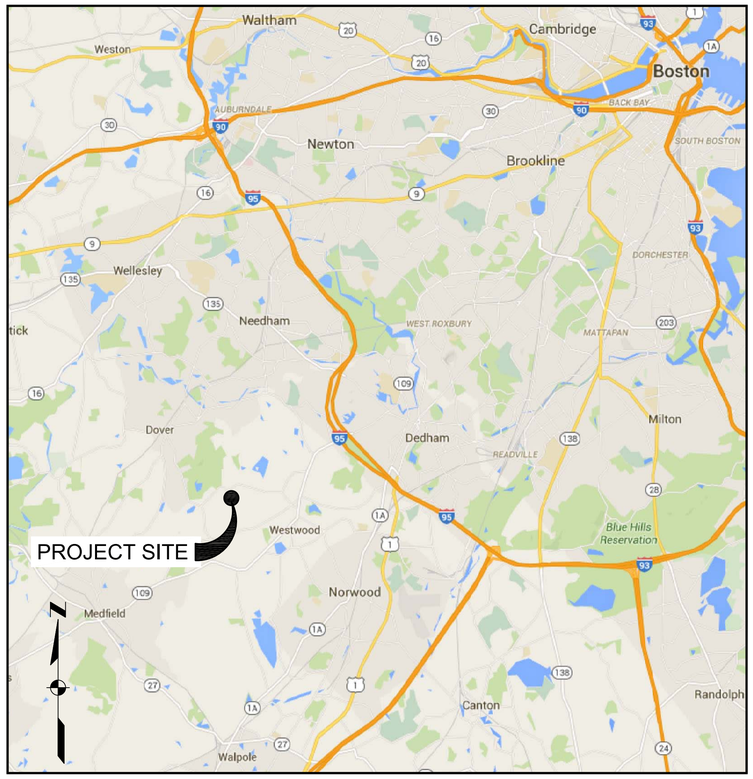
BWC BUCKMASTER POND, LLC
DOVER LANDFILL
SOLAR DEVELOPMENT PROJECT
POWISSET STREET, DOVER, MASSACHUSETTS



VICINITY MAP
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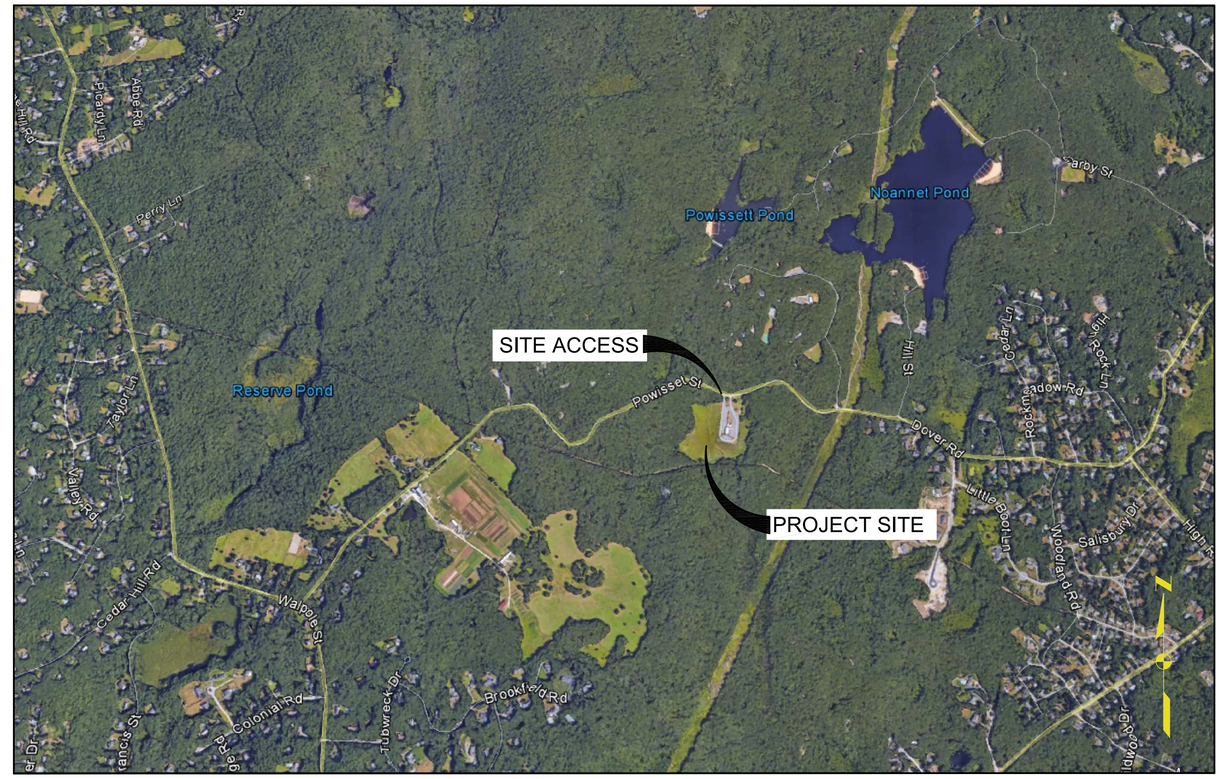

LOCUS MAP
1" = 800'

SHEET INDEX

C1 COVER SHEET
C2 EXISTING CONDITIONS
C3 SITE DEVELOPMENT PLAN
C4 DETAILS SHEET 1
C5 DETAILS SHEET 2
C6 DETAILS SHEET 3
C7 EROSION AND SEDIMENT CONTROL PLAN
C8 WETLAND RESOURCE AND TREE CUTTING PLAN

PROJECT APPLICANT

BWC BUCKMASTER POND, LLC
137 NEWBURY STREET, 4TH FLOOR
BOSTON, MA 02116

PHONE: (617) 209-3122
ATTN: JON MANCINI

PROPERTY OWNER

HALE RESERVATION TRUST
80 CARBY STREET
WESTWOOD, MA 02040

PHONE: (781) 326-1770
ATTN: ERIC ARNOLD

PV SYSTEM INSTALLER

BLUEWAVE CAPITAL, LLC
137 NEWBURY STREET
BOSTON, MA 02116

PHONE: (617) 209-3122
ATTN: JON MANCINI

PROJECT ENGINEER

KENNEDY/JENKS CONSULTANTS
ONE HIGHWOOD DRIVE, SUITE 301
TEWKSBURY, MA 01876

PHONE: (978) 770-2031
ATTN: MICHAEL CLARK, P.E.

FOR PERMITTING ONLY

Kennedy/Jenks Consultants
TEWKSBURY, MA

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NO.	REVISION	DATE	BY
2	REVISED FOR PLANNING BOARD	19 JULY 2016	AEW
1	ISSUED FOR PERMITTING	23 JUN 2016	BRK

SCALES
0 1"
0 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

COMMONWEALTH OF MASSACHUSETTS
MICHAEL
REGISTERED PROFESSIONAL ENGINEER

DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

COVER SHEET

BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL
SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_COVER
JOB NO. 1642009*00
DATE 29 JULY 2016
SHEET C1 OF 8

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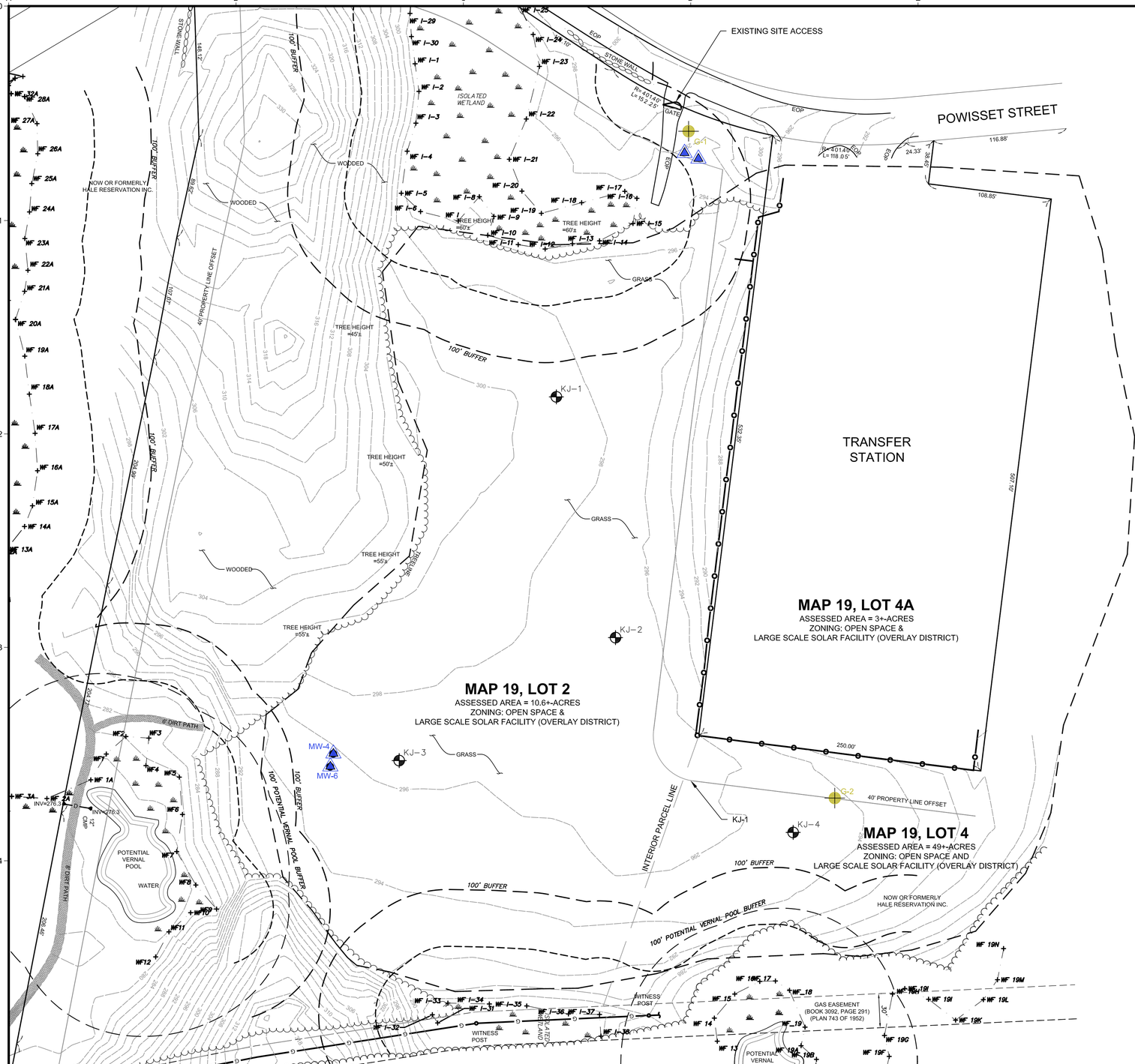

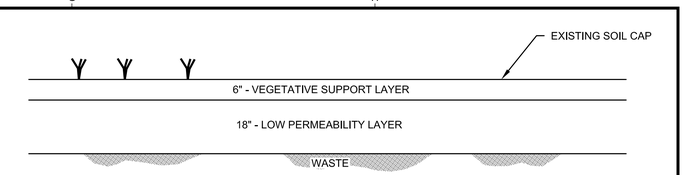

EXISTING SOIL CAP DETAIL (A / C4)

LEGEND

WF I-20	WETLANDS FLAG
	WETLANDS SYMBOL
	WETLANDS BOUNDARY
	50' WETLANDS BUFFER
	100' WETLANDS BUFFER
	LIMIT OF LANDFILL CAP
	PROPERTY BOUNDARY
	STONE WALL
	MAJOR ELEVATION CONTOUR (10' INTERVALS)
	MINOR ELEVATION CONTOUR (2' INTERVALS)
	EXISTING CHAIN LINK FENCE
	EXISTING TREE LINE
G	EXISTING UNDERGROUND GAS LINE
EOP	EDGE OF PAVEMENT
INV	INVERT ELEVATION
CMP	CORRUGATED METAL PIPE
G-2	GAS MONITORING WELL
	SURFACE SOIL SAMPLING POINT
MW-2	MONITORING WELL LOCATION

NOTES

1. THE TOPOGRAPHY, SITE DETAIL & SURFACE IMPROVEMENTS DEPICTED HEREON WERE OBTAINED FROM AN ON THE GROUND INSTRUMENT SURVEY CONDUCTED BY MERIDIAN ASSOCIATES, INC. (MAI) BETWEEN APRIL 19-26, 2016.
2. THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL FIELD SURVEY. MERIDIAN ASSOCIATES, INC. DOES NOT WARRANTY NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 1-888-344-7233.
3. THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
4. THE ELEVATIONS DEPICTED HEREON WERE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DERIVED FROM GPS OBSERVATIONS.
5. THE WETLAND FLAGS DEPICTED WERE DEMARCATED BY LEC ENVIRONMENTAL CONSULTANTS, INC. ON APRIL 18, 2016.
6. PROPERTY LINES DEPICTED HEREON ARE BASED ON COMPILED DEEDS AND PLANS OF RECORD.

N

0 50 100
1"=50'

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TEWKSBURY, MA

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COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CLARK NO. 43 REGISTERED PROFESSIONAL ENGINEER

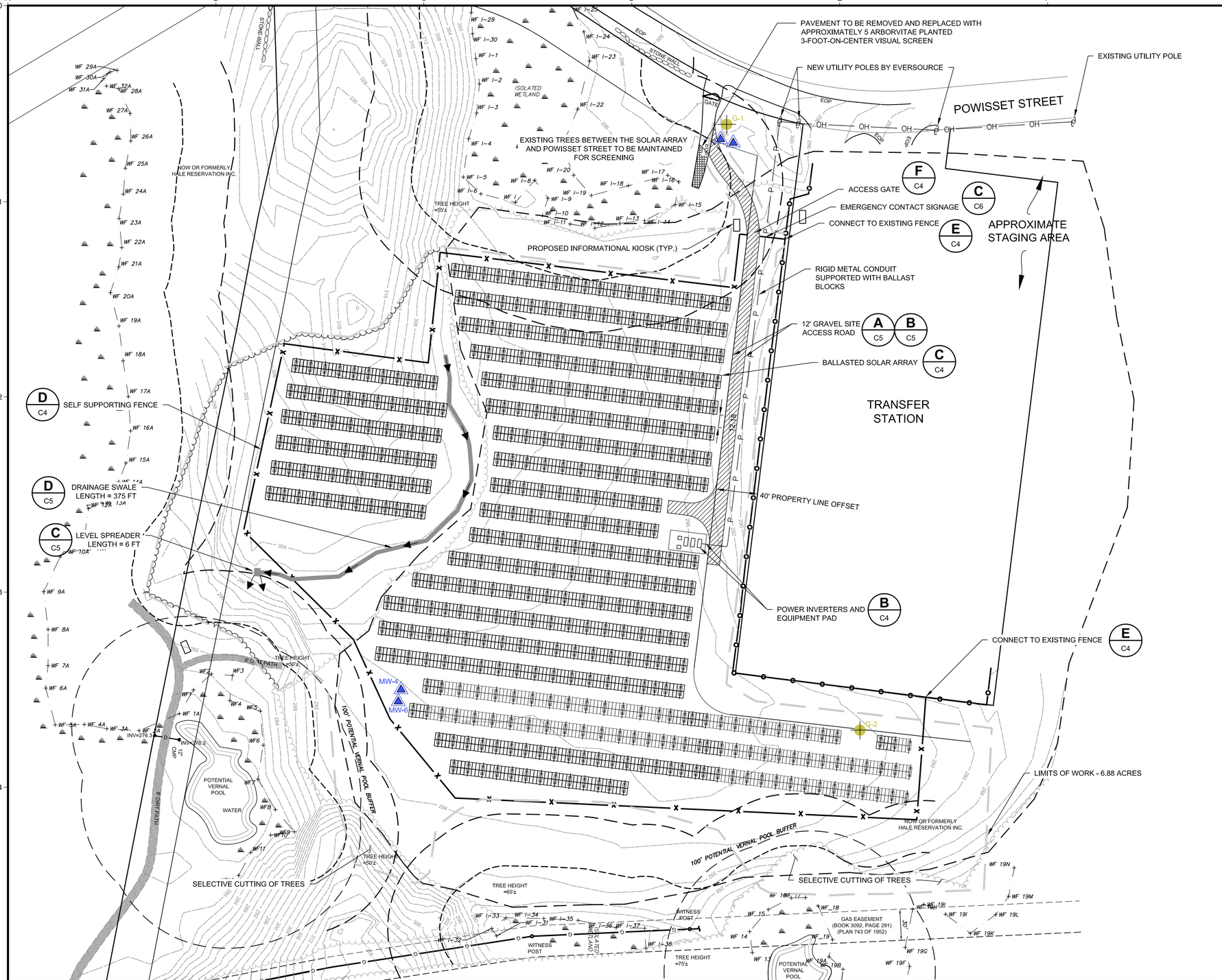
DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

EXISTING CONDITIONS

BWC BUCKMASTER POND, LLC
BOSTON, MA

DOVER LANDFILL SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_CIVIL
JOB NO. 1642009*00
DATE 29 JULY 2016
SHEET C2 OF 8



LEGEND

WF I-20	WETLANDS FLAG
	WETLANDS SYMBOL
	WETLANDS BOUNDARY
	50' WETLANDS BUFFER
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	LIMIT OF LANDFILL CAP
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	STONE WALL
	MAJOR ELEVATION CONTOUR (10' INTERVALS)
	MINOR ELEVATION CONTOUR (2' INTERVALS)
	EXISTING CHAIN LINK FENCE
	EXISTING TREE LINE
	PROPOSED TREE LINE
G	EXISTING UNDERGROUND GAS LINE
OH	OVERHEAD POWER LINE
P	ELECTRICAL CONDUIT
	UTILITY POLE
EOP	EDGE OF PAVEMENT
INV	INVERT ELEVATION
CMP	CORRUGATED METAL PIPE
	DIRECTION OF STORMWATER FLOW
G-2	GAS MONITORING WELL
MW-2	MONITORING WELL LOCATION
	PROPOSED INFORMATIONAL KIOSK LOCATION

EQUIPMENT	SPECIFICATION	QUANTITY
PV MODULES	~320W OR EQUIVALENT	3,542
PV TABLES	RBI RACKING SYSTEM	400
PV INVERTER/TRANSFORMER	SMA STRING INVERTERS OR EQUIVALENT	TBD

0 50 100
1"=50'

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COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CLARK No. 41412 REGISTERED PROFESSIONAL ENGINEER

DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

SITE DEVELOPMENT PLAN
BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_CIVIL_Site Plan
JOB NO. 1642009*00
DATE 29 JULY 2016
SHEET C3 OF 8

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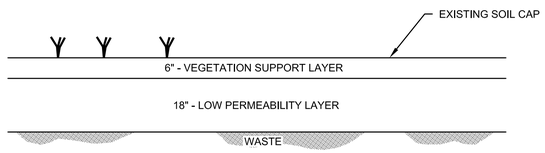
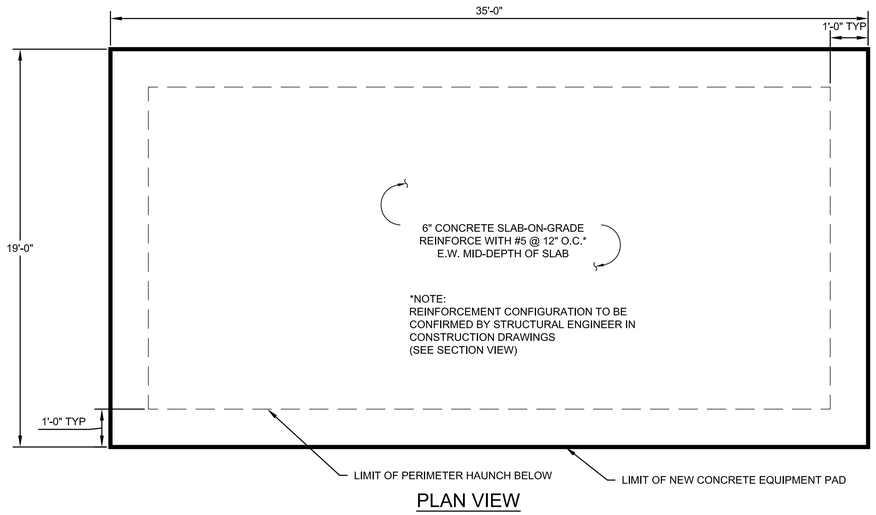
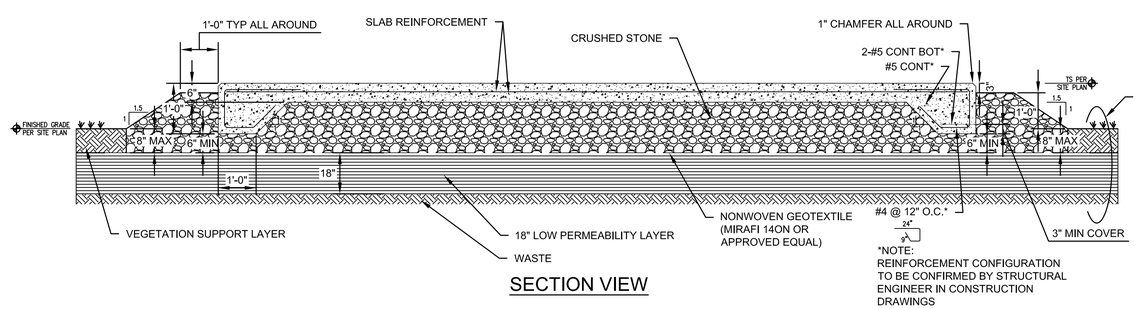


EXISTING SOIL CAP DETAIL (A / C4)

NOT TO SCALE



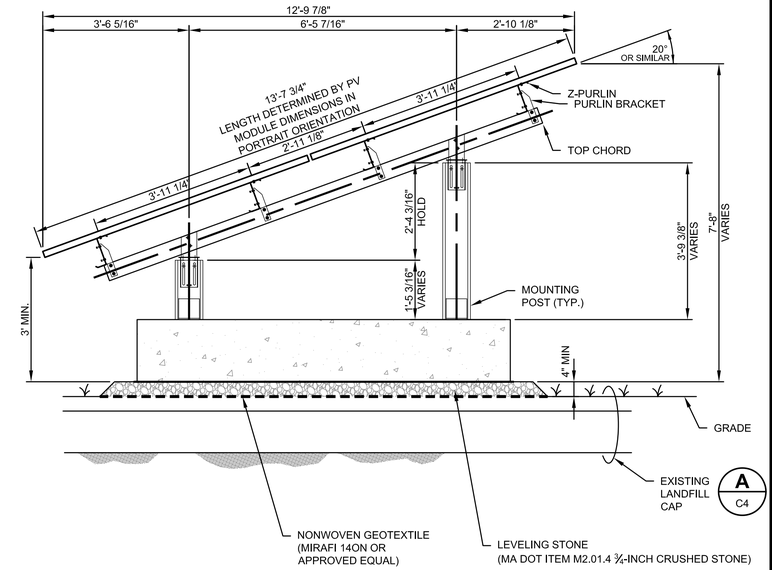
PLAN VIEW



SECTION VIEW

EQUIPMENT PAD SLAB PLAN AND SECTION (B / C4)

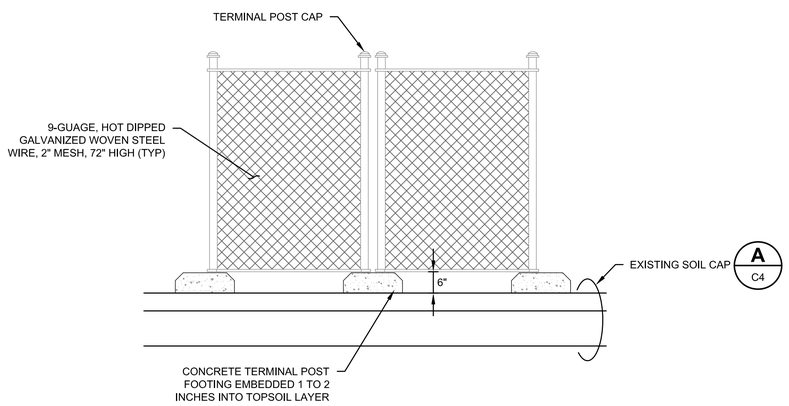
NOT TO SCALE



SIDE ELEVATION

SOLAR ARRAY DETAIL (C / C4)

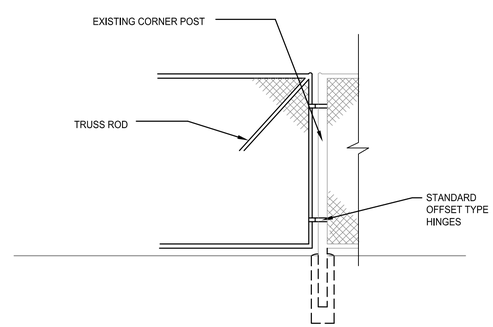
NOT TO SCALE



NOTE:
1. CONTRACTOR IS NOT TO DISTURB LOW PERMEABILITY LAYER DURING INSTALLATION.

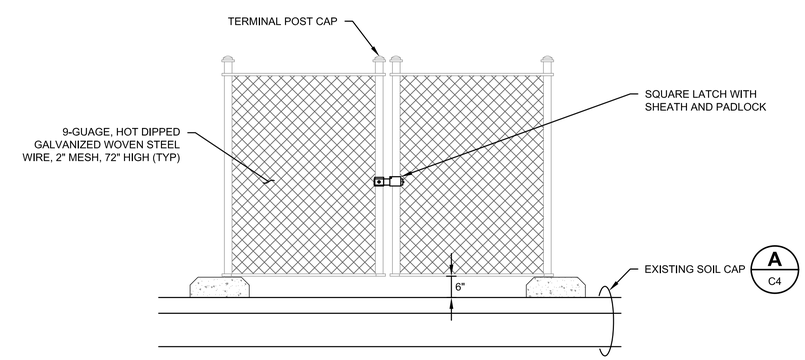
SELF SUPPORTING FENCE DETAIL (D / C4)

NOT TO SCALE



CONNECTION TO EXISITNG FENCE DETAIL (E / C4)

NOT TO SCALE



SELF SUPPORTING FENCE GATE DETAIL (F / C4)

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COMMONWEALTH OF MASSACHUSETTS — MICHAEL — REGISTERED PROFESSIONAL ENGINEER

DESIGNED: J. SMITH
DRAWN: B. KIELY
CHECKED: M. CLARK

DETAILS SHEET 1

BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL
SOLAR DEVELOPMENT PROJECT

FILE NAME: 1642009_CIVIL_Details
JOB NO.: 1642009*00
DATE: 29 JULY 2016
SHEET C4 OF 8

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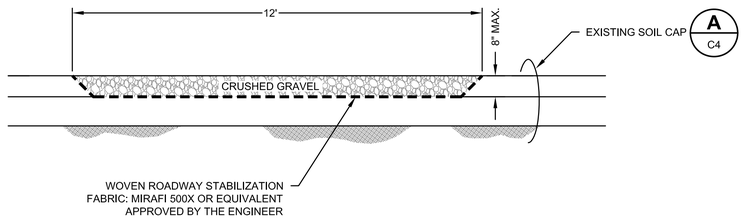
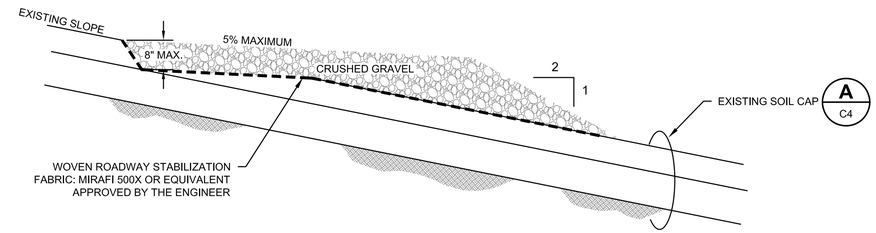


NOTES:
1. PROPOSED GRAVEL ROAD TO BE FLUSH WITH UPGRADIENT EXISTING GROUND SURFACE TO PROMOTE CONTINUED SHEET FLOW OF STORMWATER RUNOFF.
2. MINIMUM 1% SLOPE TO BE MAINTAINED ACROSS ROAD. MAXIMUM CROSS ROAD SLOPE TO BE 5%.

ROAD SECTION DETAIL (A / C5)

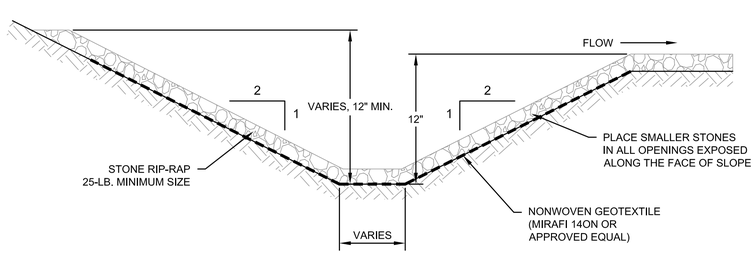
NOT TO SCALE



NOTES:
1. PROPOSED GRAVEL ROAD TO BE FLUSH WITH UPGRADIENT EXISTING GROUND SURFACE TO PROMOTE CONTINUED SHEET FLOW OF STORMWATER RUNOFF.
2. MINIMUM 1% SLOPE TO BE MAINTAINED ACROSS ROAD. MAXIMUM 5% SLOPE TO BE MAINTAINED WHERE EXISTING SLOPE EXCEEDS 5%.

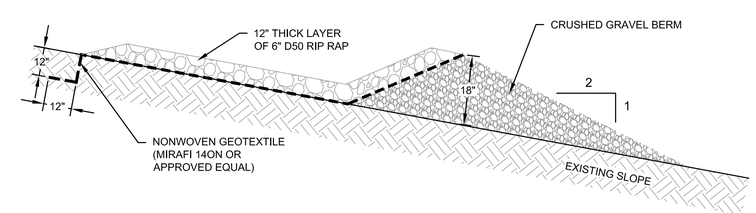
SLOPED ROAD SECTION DETAIL (B / C5)

NOT TO SCALE



RIP RAP LEVEL SPREADER (C / C5)

NOT TO SCALE



STORMWATER SWALE (D / C5)

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0 — 25mm
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COMMONWEALTH OF MASSACHUSETTS — MICHAEL — REGISTERED PROFESSIONAL ENGINEER

DESIGNED: J. SMITH
DRAWN: B. KIELY
CHECKED: M. CLARK

DETAILS SHEET 2

BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL SOLAR DEVELOPMENT PROJECT

FILE NAME: 1642009_CIVIL_Details
JOB NO.: 1642009*00
DATE: 29 JULY 2016
SHEET C5 OF 8

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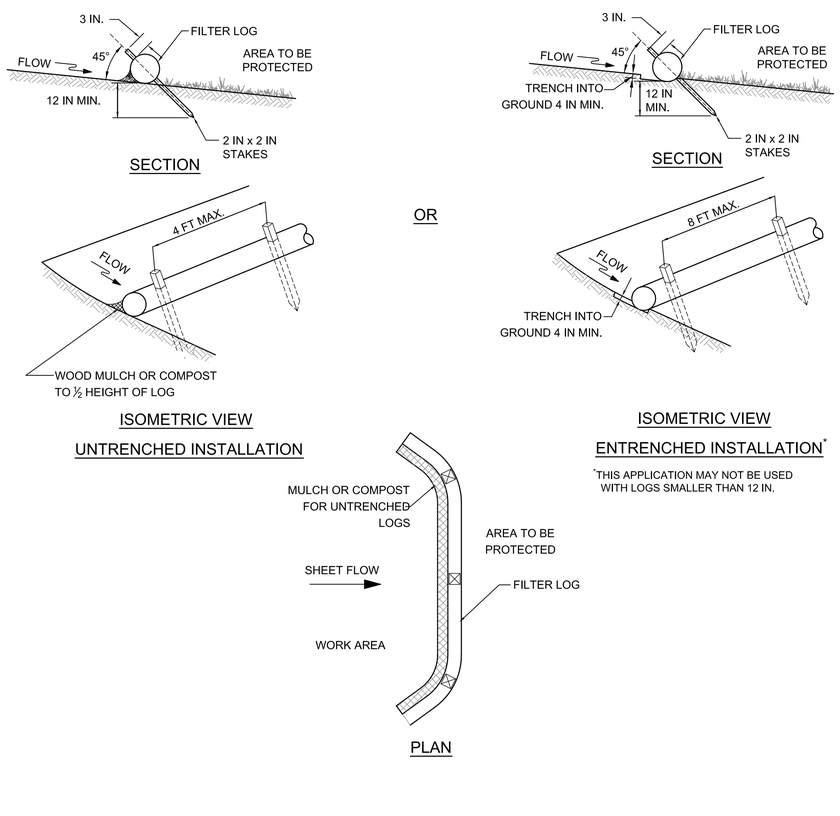


STAKE-DRIVEN FILTER LOG DETAIL (A)

NOT TO SCALE C6

CONSTRUCTION SPECIFICATIONS:

1. PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF FILTER LOG.
2. FILL LOG NETTING UNIFORMLY WITH COMPOST (IN ACCORDANCE WITH SECTION H-1 MATERIALS), OR OTHER APPROVED BIODEGRADABLE MATERIAL TO DESIRED LENGTH SUCH THAT LOGS DO NOT DEFORM.
3. INSTALL FILTER LOGS PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE WITH THE BEGINNING AND END OF THE INSTALLATION POINTING SLIGHTLY UP THE SLOPE CREATING A "J" SHAPE AT EACH END TO PREVENT BYPASS.
4. FOR UNTRENCHED INSTALLATION BLOW OR HAND PLACE MULCH OR COMPOST ON UPHILL SIDE OF THE SLOPE ALONG LOG.
5. STAKE FILTER LOG EVERY 4 FEET OR CLOSER ALONG ENTIRE LENGTH OF LOG OR TRENCH LOG INTO GROUND A MINIMUM OF 4 INCHES AND STAKE LOG EVERY 8 FEET OR CLOSER.
6. USE STAKES WITH A MINIMUM NOMINAL CROSS SECTION OF 2X2 INCH AND OF SUFFICIENT LENGTH TO ATTAIN A MINIMUM OF 12 INCHES INTO THE GROUND AND 3 INCHES PROTRUDING ABOVE LOG.
7. WHEN MORE THAN ONE LOG IS NEEDED, OVERLAP ENDS 12 INCHES MINIMUM AND STAKE.
8. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO A DEPTH OF 1/2 THE EXPOSED HEIGHT OF LOG AND REPLACE MULCH. REPLACE LOG IF TORN. REINSTALL FILTER LOG IF UNDERMINING OR DISLODGING OCCURS. REPLACE CLOGGED FILTER LOGS. FOR PERMANENT APPLICATIONS, ESTABLISH AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENTATION CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS DATED MARCH 1997, THE U.S.D.A. S.C.S. EROSION AND SEDIMENT CONTROL IN SITE DEVELOPMENT, MASSACHUSETTS CONSERVATION GUIDE, DATED SEPTEMBER 1983 AND ALL LOCAL MUNICIPAL REGULATIONS.
2. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK OR EARTHWORK OPERATIONS, SHALL BE MAINTAINED DURING CONSTRUCTION, AND SHALL REMAIN IN PLACE UNTIL ALL SITE WORK IS COMPLETE AND PERMANENT GROUND COVER IS ESTABLISHED.
3. A QUALIFIED ENGINEER WILL OVERSEE CONSTRUCTION ACTIVITIES TO ENSURE THAT MEANS AND METHODS COMPLY WITH APPLICABLE PERMITS AND MGL SOLID WASTE REGULATIONS.
4. ONLY LOW-GROUND PRESSURE EQUIPMENT (7 PSI MAX.) SHALL BE USED WITHIN THE LIMITS OF THE LANDFILL COVER SYSTEM.
5. EACH DAY, GROUND CONDITIONS MUST BE INSPECTED PRIOR TO COMMENCING WORK ACTIVITIES WITHIN THE LIMITS OF THE LANDFILL COVER SYSTEM. NO WORK MAY BE CONDUCTED DURING WET WEATHER THAT COULD LEAD TO RUTTING OR EROSION OF THE LANDFILL COVER SYSTEM.
6. CONSTRUCTION ACTIVITIES MUST BE CEASED IN AREAS WITHIN THE LANDFILL COVER SYSTEM THAT ARE DEMONSTRATING GREATER THAN 1" OF RUTTING UNTIL THOSE AREAS ARE STABILIZED AND REVEGETATED.
7. STOCKPILES SHALL BE OFF THE LIMITS OF THE LANDFILL CAP AND SURROUNDED ON THEIR PERIMETERS WITH STAKED HAY BALES AND/OR SILTATION FENCES TO PREVENT AND/OR CONTROL SILTATION AND EROSION AS REQUIRED.
8. ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION SHALL BE STABILIZED AND SEEDED FOR TEMPORARY/PERMANENT VEGETATIVE COVER WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED IN ACCORDANCE WITH MASSACHUSETTS DEP EROSION AND SEDIMENT CONTROL GUIDELINES. NO OPEN EXCAVATIONS ARE TO BE LEFT OVERNIGHT WITHIN THE LIMITS OF THE LANDFILL COVER SYSTEM.
9. ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED IN ACCORDANCE WITH THE SWPPP AND THE MASS DEP POST-CLOSURE USE PERMIT.
10. THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES ADDITIONAL SILT FENCE AND HAY BALES FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER AND/OR CONSERVATION COMMISSION AGENT TO MITIGATE ANY EMERGENCY CONDITION.
11. THE AREA OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
12. UPON COMPLETION OF ALL SITE WORK CONSTRUCTION, THE SITE CONTRACTOR SHALL INSPECT ALL STORMWATER STRUCTURES AND SWALES AND REMOVE ALL SEDIMENT, TRASH AND DEBRIS THAT HAS ACCUMULATED.
13. DUST CONTROL SHALL BE USED DURING EARTHWORK OPERATIONS AND SHALL CONSIST OF DAMPENING THE GROUND WITH WATER.
14. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS DEPICT THE MINIMUM REQUIRED CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITING, RELOCATION AND AUGMENTATION OF EROSION CONTROL DEVICES TO PROTECT WETLAND RESOURCES AS THE PROJECT PROGRESSES AND SITE DRAINAGE CONDITIONS CHANGE.
15. THE CONTRACTOR SHALL, AT HIS EXPENSE, SURVEY AND MARK OUT IN THE FIELD THE LIMITS OF CLEARING AND EROSION CONTROL (I.E. SILT FENCE LINE) FOR APPROVAL PRIOR TO COMMENCEMENT OF CLEARING AND GRUBBING ACTIVITIES.
16. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AT THE SITE, THE CONTRACTOR SHALL ENGAGE AN INDIVIDUAL WITH SPECIFIC TRAINING IN EROSION AND SEDIMENT CONTROL. THE EROSION CONTROL MONITOR SHALL PREPARE A WEEKLY REPORT WHICH SHALL BE KEPT ON SITE AT ALL TIMES AND SHALL BE SHOWN TO LOCAL, STATE AND FEDERAL AGENTS UPON REQUEST. THIS REPORT SHALL INDICATE THE STATUS OF THE EROSION CONTROLS AND ANY MAINTENANCE REQUIRED AND PERFORMED. THIS REPORT SHALL CONFORM TO THE REQUIREMENTS OF THE EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT.
17. WOODEN STAKES SHALL NOT BE DRIVEN INTO GROUND WITHIN THE LIMIT OF THE LANDFILL COVER SYSTEM. SILT FENCE AND COMPOST FIBER ROLLS SHALL NOT BE USED FOR EROSION CONTROL WITHIN THE LIMIT OF THE LANDFILL COVER SYSTEM.

SPECIFICATIONS

TOPSOIL:

1. TOPSOIL SHALL BE FERTILE, NATURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH, TYPICAL OF THE LOCALITY, FREE FROM STONES GREATER THAN 3 INCHES, ROOTS, STICKS, CLAY, PEAT, WEEDS AND SOD, AND SHALL BE OBTAINED FROM NATURALLY WELL DRAINED AREAS. IT SHALL NOT BE EXCESSIVELY ACIDIC OR ALKALINE NOR CONTAIN TOXIC MATERIAL HARMFUL TO PLANT GROWTH.

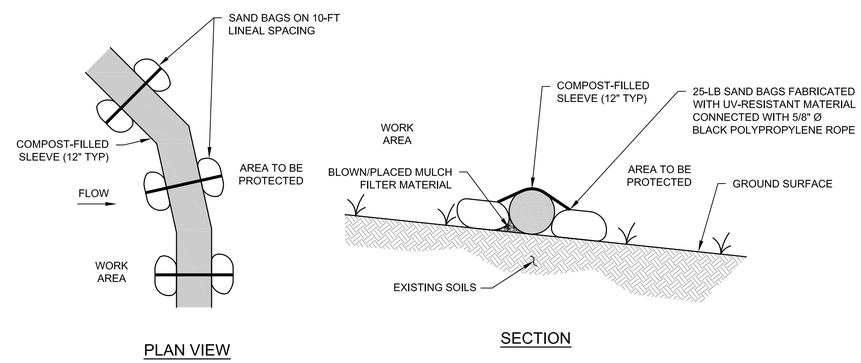
GRASS SEED (FOR DISTURBED AREAS ONLY):

1. GRASS SEED SHALL BE OF THE PREVIOUS YEAR'S CROP AND IN NO CASE SHALL THE WEED CONTENT EXCEED 1% BY WEIGHT. GRASS SEED SHALL BE CONSISTENT WITH TYPE M6.03.0 "FOR SLOPES AND SHOULDERS" OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES AND CONFORM TO THE REQUIREMENTS WITHIN THE TABLE BELOW.
2. A MANUFACTURER'S CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED BY WITH EACH SHIPMENT OF EACH TYPE OF SEED INDICATING THE GUARANTEED PERCENTAGE OR PURITY, WEED CONTENT AND GERMINATION OF THE SEED, AND THE NET WEIGHT AND DATE OF SHIPMENT.

GRASS SEED MIX			
MIXTURE	PROPORTION	GERMINATION MINIMUM	PURITY MINIMUM
CREEPING RED FESCUE	50%	85%	95%
KENTUCKY 31	30%	85%	95%
DOMESTIC RYE	10%	90%	98%
RED TOP	5%	85%	92%
LADINO CLOVER	5%	85%	96%

TREE CLEARING

1. 50% MAXIMUM TREE CLEARING IN WETLANDS BUFFER AREAS PER THE TOWN OF DOVER WETLANDS BY LAWS.
2. TREE CUTTING TO BE COORDINATED WITH THE TOWN OF DOVER CONSERVATION COMMISSION.

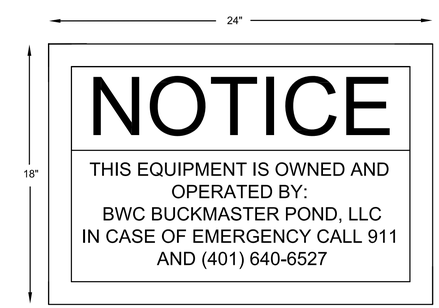


NOTE:

1. TUBULAR SEDIMENT CONTROL SHALL BE FILTREXX SILTSOXX OR EQUIVALENT APPROVED BY ENGINEER

FILTER LOG EROSION CONTROL DETAIL (B)

NOT TO SCALE C6



TO BE INSTALLED ON FENCE ADJACENT TO GATE

EMERGENCY CONTACT SIGNAGE (C)

NOT TO SCALE C6

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NO.	REVISION	DATE	BY
1	ISSUED FOR PERMITTING	23 JUN 2016	BRK

SCALES
0 — 1"
0 — 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CLARK No. 37 REGISTERED PROFESSIONAL ENGINEER

DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

DETAILS SHEET 3

BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_CIVIL_Details
JOB NO. 1642009*00
DATE 29 JULY 2016
SHEET C6 OF 8

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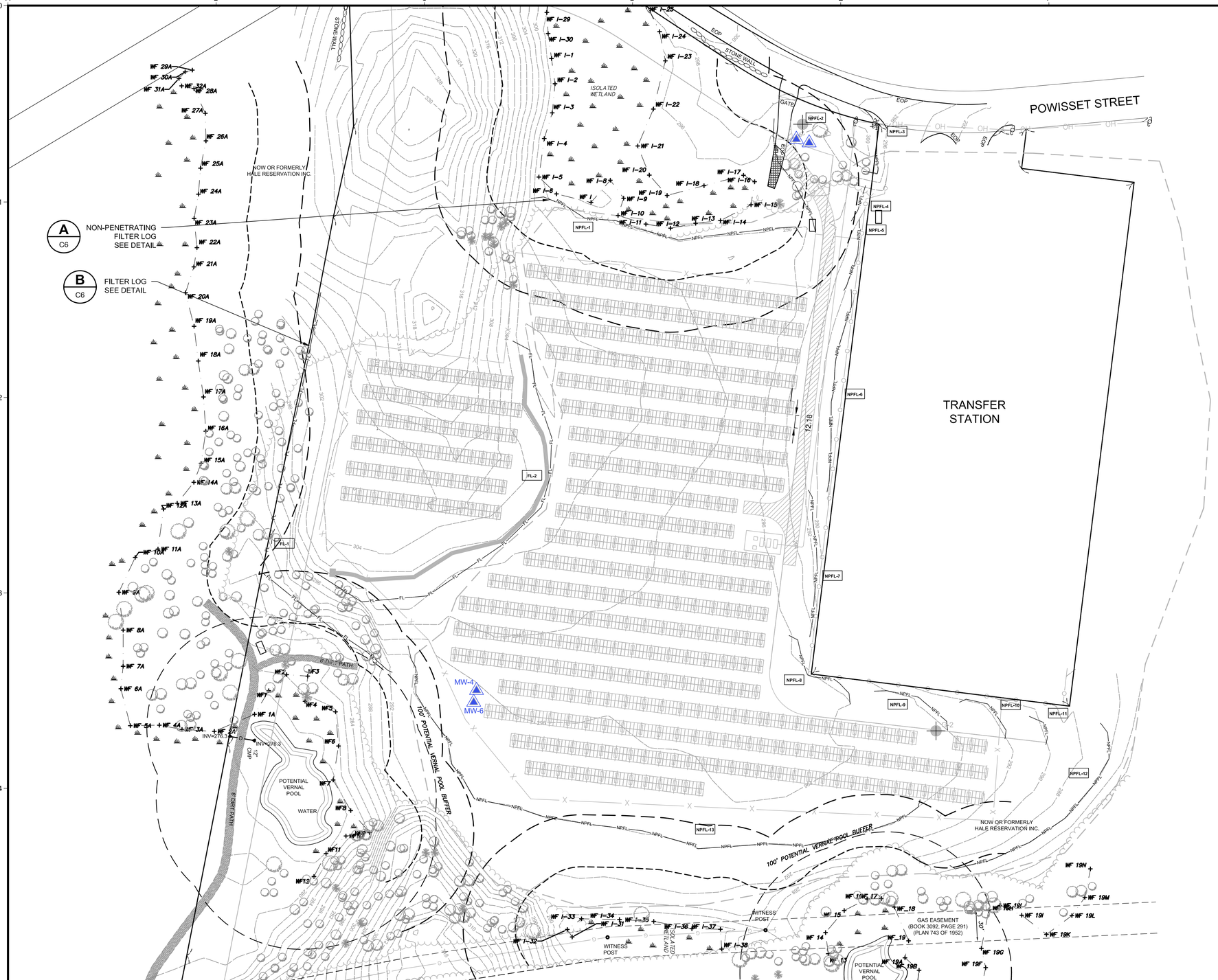

LEGEND

+ WF I-20	WETLANDS FLAG
	WETLANDS SYMBOL
	WETLANDS BOUNDARY
	50' WETLANDS BUFFER
	100' WETLANDS BUFFER
	LIMIT OF LANDFILL CAP
	PROPERTY BOUNDARY
	STONE WALL
	MAJOR ELEVATION CONTOUR (10' INTERVALS)
	MINOR ELEVATION CONTOUR (2' INTERVALS)
	EXISTING CHAIN LINK FENCE
	TREE LINE
G G G G	EXISTING UNDERGROUND GAS LINE
EOP	EDGE OF PAVEMENT
INV	INVERT ELEVATION
CMP	CORRUGATED METAL PIPE
MW-2	MONITORING WELL LOCATION
G-2	GAS PROBE LOCATION
	PROPOSED INFORMATIONAL KIOSK LOCATION

FILTER LOGS

ID	LENGTH (LF)
FL-1	432.9
FL-2	426.5
TOTAL	**859.4**

NON PENETRATING FILTER LOGS

ID	LENGTH (LF)
NPFL-1	275.0
NPFL-2	119.5
NPFL-3	80.8
NPFL-4	37.1
NPFL-5	71.4
NPFL-6	197.3
NPFL-7	142.8
NPFL-8	100.5
NPFL-9	87.7
NPFL-10	67.7
NPFL-11	36.9
NPFL-12	231.3
NPFL-13	612.2
TOTAL	**2060.2**

0 50 100
1"=50'

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SCALES
0 1"
0 25mm
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COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CLARK REGISTERED PROFESSIONAL ENGINEER

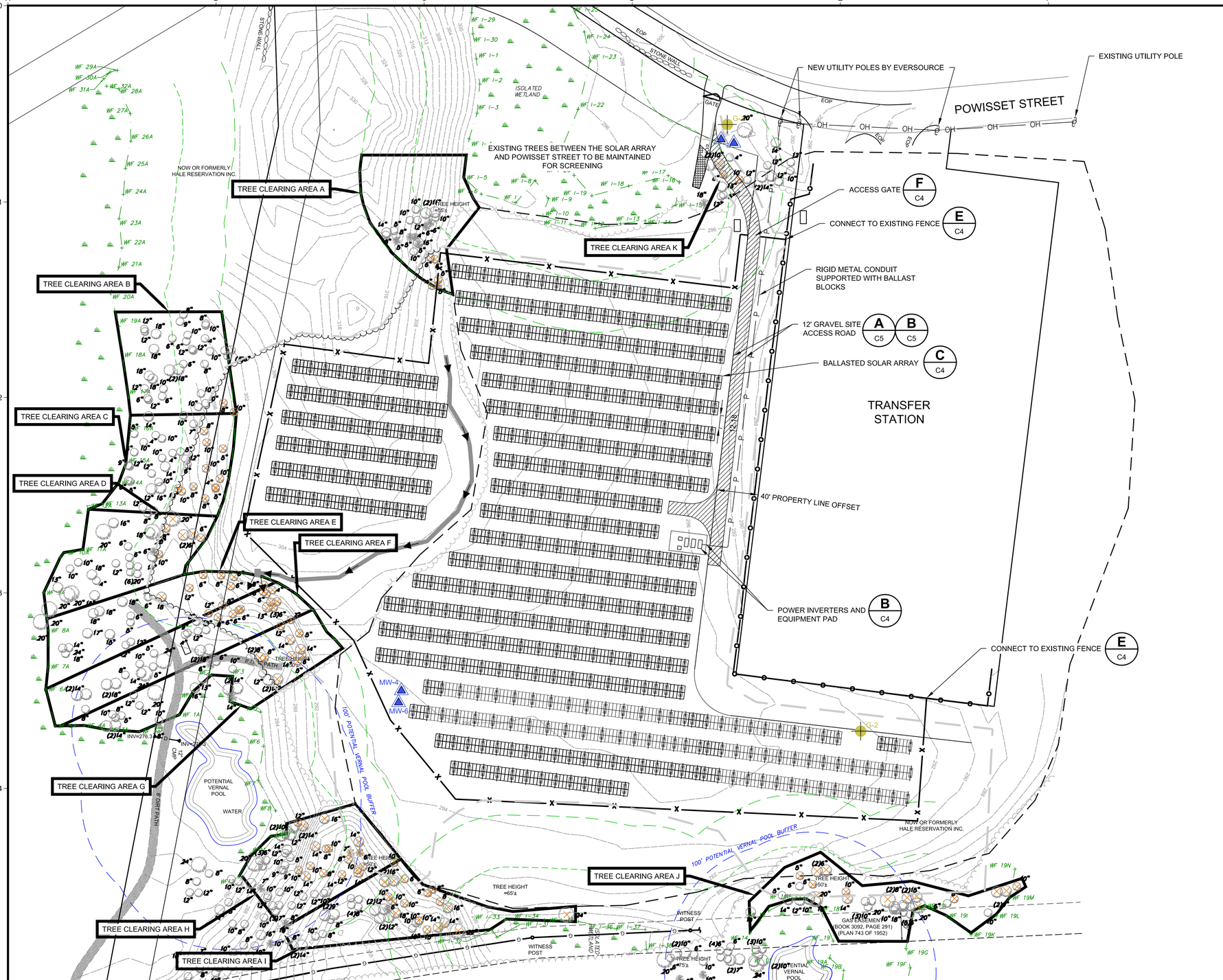
DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

EROSION AND SEDIMENT CONTROL PLAN

BWC BUCKMASTER POND, LLC
BOSTON, MA

DOVER LANDFILL SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_CIVIL_ESC
JOB NO. 1642009*00
DATE 29 JULY 2016
SHEET C7 OF 8



LEGEND

+ WF I-20	WETLANDS FLAG
	WETLANDS SYMBOL
	WETLANDS BOUNDARY
	50' WETLANDS BUFFER
	100' WETLANDS BUFFER
	LIMIT OF LANDFILL CAP
	PROPERTY BOUNDARY
	STONE WALL
	MAJOR ELEVATION CONTOUR (10' INTERVALS)
	MINOR ELEVATION CONTOUR (2' INTERVALS)
	EXISTING CHAIN LINK FENCE
	EXISTING TREE LINE
	PROPOSED TREE LINE
G G G G	EXISTING UNDERGROUND GAS LINE
OH OH OH OH	OVERHEAD POWER LINE
P P P P P	ELECTRICAL CONDUIT
	UTILITY POLE
EOP	EDGE OF PAVEMENT
INV	INVERT ELEVATION
CMP	CORRUGATED METAL PIPE
	DIRECTION OF STORMWATER FLOW
G-2	GAS MONITORING WELL
MW-2	MONITORING WELL LOCATION

TREE CLEARING AREA (10,000 SF)	TOTAL OF TREE DIAMETERS	REMOVAL PERCENTAGE
A	198	15.7
B	333	5.4
C	284	29.6
D	440	12.7
E	255	28.2
F	328	25.9
G	325	28.6
H	504	43.4
I	438	45.7
J	374	45.8
K	207	<10

0 50 100
1"=50'

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NO.	REVISION	DATE	BY

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0 25mm
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COMMONWEALTH OF MASSACHUSETTS MICHAEL J. CLARK REGISTERED PROFESSIONAL ENGINEER

DESIGNED J. SMITH
DRAWN B. KIELY
CHECKED M. CLARK

WETLAND RESOURCE AND TREE CUTTING PLAN

BWC BUCKMASTER POND, LLC
BOSTON, MA
DOVER LANDFILL
SOLAR DEVELOPMENT PROJECT

FILE NAME 1642009_CIVIL_TreePlan
JOB NO. 1642009*00
DATE 20 JULY 2016
SHEET C8 OF 8

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