

# 999± KW DC GROUND MOUNTED SOLAR ENERGY SYSTEM RIDEM PRELIMINARY DETERMINATION APPLICATION

PROPERTY  
85 FAIRMOUNT ST  
WOONSOCKET, RI 01002  
AP 2 LOT 24

PROPERTY OWNER  
85 FAIRMOUNT STREET LLC  
11 ANDERSON ROAD  
POMFRET CENTER, CONNECTICUT 06259

PREPARED FOR  
DIRECT ENERGY SOLAR  
7484 CANDLEWOOD ROAD, SUITE T-W  
HANOVER, MD 21076

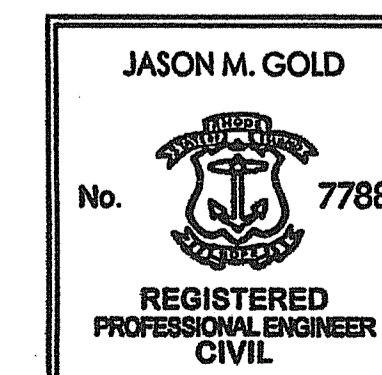
MAY 16, 2019

PREPARED BY:



environmental consulting  
& engineering services

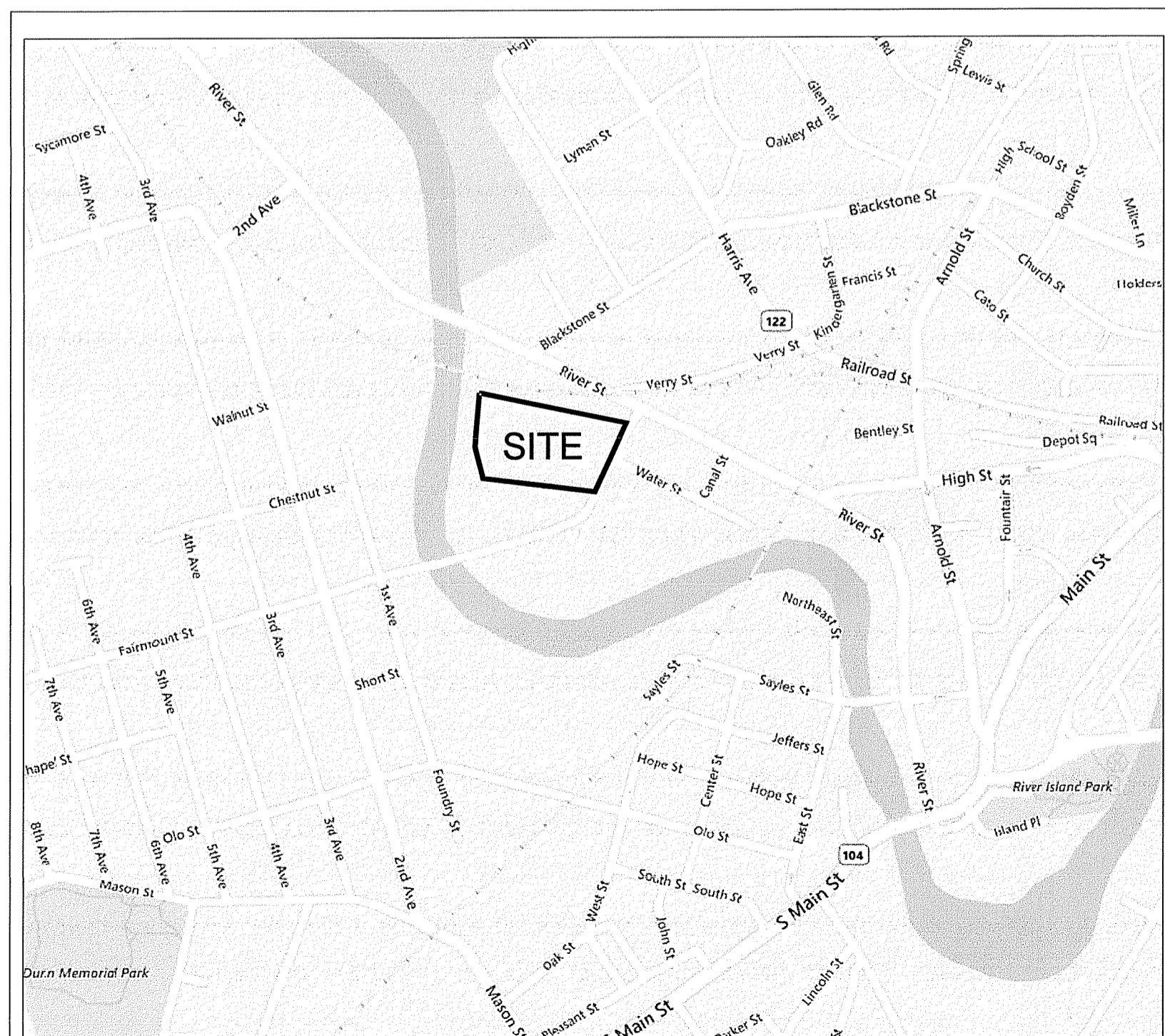
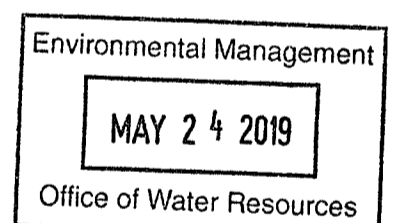
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2019.05.16  
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 1 2019 FILE # 19-0162  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Charles A. Hart*



LOCATION MAP  
SCALE= 1"=600'



### Sheet List Table

Sheet Number	Sheet Title
1	COVER
2	NOTES
3	PROPOSED SITE PLAN
4	DETAILS
ATTACHMENTS	
"COMPREHENSIVE BOUNDARY SURVEY & TOPOGRAPHIC SURVEY", DESIGN PROFESSIONALS INC., MAY 2, 2019	

**NOT FOR CONSTRUCTION**

**GENERAL NOTES:**

1. BASE PLAN REFERENCES "COMPREHENSIVE BOUNDARY SURVEY & TOPOGRAPHIC SURVEY", DESIGN PROFESSIONALS INC, DATED 12/17/2018 WITH REVISIONS ON 02/18/2019 AND 05/02/2019.
2. RIVERBANK WETLAND FLAGGED BY ESS ON NOVEMBER 1, 2018.
3. ENGINEER'S ENDORSEMENT IS FOR PERMITTING PURPOSES ONLY. PLANS NOT INTENDED FOR CONSTRUCTION.

**CONSTRUCTION NOTES:**

1. NO CHANGES ARE TO BE MADE UNLESS AUTHORIZED BY THE OWNER.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY CODES, REGULATIONS, LEGAL REQUIREMENTS, AND PERMIT CONDITIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE APPROVED REMEDIAL ACTION WORK PLAN (RAWP) AND ALL CONDITIONS SET FORTH IN THE MOST RECENT REMEDIAL APPROVAL LETTER FROM THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
4. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, STREETS, PAVEMENTS, HIGHWAY GUARDS, CURBING, EDGING, TREES AND PLANTINGS, ETC. ON OR OFF THE PREMISES, AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AT HIS/HER OWN EXPENSE AS REQUIRED BY THE ENGINEER ANY ITEMS DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.
5. THE CONTRACTOR SHALL LEVEL OR REMOVE AND DISPOSE OF ALL EXISTING RUBBLE, DEBRIS AND OTHER DELETERIOUS MATERIAL AS NEEDED TO ADEQUATELY PREPARE THE SITE FOR CONSTRUCTION. ALL SITE CLEANUP WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND REGULATIONS.
6. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL RUBBLE, DEBRIS AND OTHER DELETERIOUS MATERIAL GENERATED DURING CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND REGULATIONS.
7. THE CONTRACTOR SHALL INSPECT THE SITE AND RECTIFY CONDITIONS AS NEEDED TO PROVIDE A SAFE AND STABLE GROUND SURFACE. THE CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A SAFE AND CLEAN CONDITION FOR THE DURATION OF CONSTRUCTION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
9. WORK WITHIN LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE'S STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
10. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, OR FIRE HYDRANTS WITHOUT APPROPRIATE PERMITS.
11. AREAS OUTSIDE THE LIMITS OF THE PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER.
12. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER.
13. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, SEDIMENT, GROUNDWATER, OR OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
14. CONSTRUCTION SEQUENCE SHALL BE COORDINATED TO MINIMIZE DISTURBANCE OF EXISTING CONDITIONS AND OPERATIONS AND SHALL BE CONDUCTED AS FOLLOWS:
  - 14.1. INSTALL SNOW FENCE IDENTIFYING LIMITS OF DISTURBANCE.
  - 14.2. INSTALL ALL EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES THAT ARE REQUIRED TO BE IN PLACE AND FUNCTIONAL BEFORE ANY SITE WORK BEGINS. THIS SHALL BE DONE IN ACCORDANCE WITH THE RI SESC HANDBOOK. UPON ACCEPTABLE COMPLETION OF SITE PREPARATION AND INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, SITE CONSTRUCTION ACTIVITIES MAY COMMENCE.
  - 14.3. UPON COMMENCEMENT OF SITE CONSTRUCTION ACTIVITIES, THE OPERATOR SHALL INITIATE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. SUCH TEMPORARY OR PERMANENT SOIL STABILIZATION MEASURES MUST BE INSTALLED PRIOR TO INITIATING LAND DISTURBANCE IN SUBSEQUENT PHASES.
  - 14.4. CONDUCT ROUTINE INSPECTION AND MAINTENANCE AND/OR MODIFICATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES WHILE SITE WORK IS ONGOING IS REQUIRED.
  - 14.5. COMPLETE FINAL SITE STABILIZATION OF ANY DISTURBED AREAS AFTER SITE WORK HAS BEEN COMPLETED AND REMOVAL OF TEMPORARY EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES.
15. ALL NECESSARY FEES AND CONSTRUCTION PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.
16. THE CONTRACTOR SHALL USE DESIGNATED LOCATIONS WITHIN THE ESTABLISHED LIMITS OF DISTURBANCE TO ACCESS THE SITE.
17. DUST CONTROL PROCEDURES AND PRACTICES SHALL BE USED TO SUPPRESS DUST DURING THE CONSTRUCTION PROCESS. EXAMPLES OF DUST CONTROL MEASURES INCLUDE WATER TREATMENT, MULCH, AND TEMPORARY VEGETATION.
18. CARE SHOULD BE TAKEN TO THE BEST OF THE OPERATOR'S ABILITY TO AVOID DISTURBING LARGE AREAS PRIOR TO ANTICIPATED PRECIPITATION EVENTS. AT A MINIMUM, STORM EVENTS MUST BE MONITORED AND TRACKED IN ORDER TO DETERMINE WHEN POST-STORM EVENT INSPECTIONS MUST BE CONDUCTED. INSPECTIONS MUST BE CONDUCTED AND DOCUMENTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT, WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RUNOFF OR SNOWMELT.
19. NO TOPSOIL OR PRIME AGRICULTURAL SOIL SHALL BE REMOVED FROM THE SITE FOR INSTALLATION OF THE FACILITY.

**SEDIMENTATION & EROSION CONTROL NOTES:**

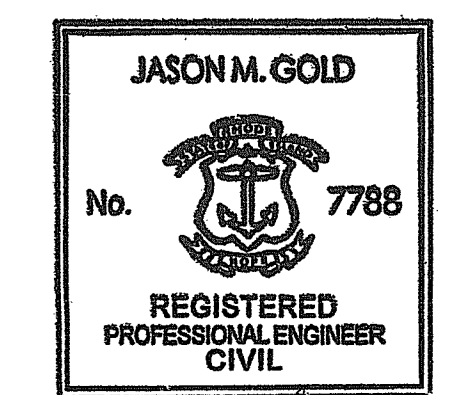
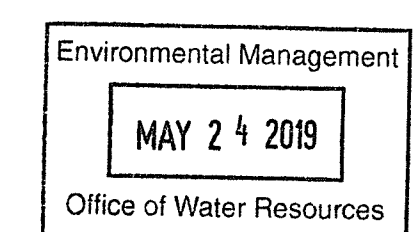
1. THE CONTRACTOR IS REQUIRED TO REVIEW AND IMPLEMENT THE SOIL EROSION AND SEDIMENT CONTROL PLAN THROUGHOUT CONSTRUCTION. THE PLAN MUST BE MAINTAINED AT THE SITE. IT IS THE OPERATOR'S RESPONSIBILITY TO MANAGE THE SITE DURING EACH CONSTRUCTION PHASE SO AS TO PREVENT POLLUTANTS FROM LEAVING THE SITE. THIS MAY REQUIRE THE CONTRACTOR TO REVISE AND AMEND THE SESC PLAN DURING CONSTRUCTION TO ADDRESS VARYING SITE AND/OR WEATHER CONDITIONS, SUCH AS BY ADDING OR REALIGNING EROSION OR SEDIMENT CONTROLS TO ENSURE THE SESC PLAN REMAINS COMPLIANT WITH THE RIDGES CONSTRUCTION GENERAL PERMIT.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN HEREIN OR AS DIRECTED BY THE ENGINEER.
3. PERIMETER SOIL AND EROSION CONTROLS SHALL BE PLACED PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTRACTOR TO NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES. ALL SOIL AND EROSION CONTROLS SHALL BE CHECKED AND REPAIRED AS NECESSARY.
4. ALL TEMPORARY EROSION, RUNOFF, SEDIMENT, AND POLLUTION PREVENTION CONTROL MEASURED SHALL BE INSTALLED BY THE TIME EACH PHASE OF EARTH DISTURBANCE HAS BEGUN.
5. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EACH STORM EVENT GREATER THAN 0.25 INCHES OF RAINFALL. ALL DAMAGED FILTER SOCKS SHALL BE REPLACED. ACCUMULATED SEDIMENT SHALL BE STOCKPILED FOR LATER REUSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES TO PREVENT OFF-SITE TRACKING OF EARTH, SEDIMENT AND DEBRIS.
7. INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THE AREA HAS TEMPORARILY OR PERMANENTLY CEASED. ANY DISTURBED AREA THAT WILL NOT HAVE ACTIVE CONSTRUCTION ACTIVITY OCCURRING WITHIN 14 DAYS MUST BE STABILIZED IN ACCORDANCE WITH THE RI SESC HANDBOOK USING STRAW MULCH, TEMPORARY SEEDING, OR PERMANENT SEEDING.
8. ALL DISTURBED SOIL SHALL HAVE A MINIMUM OF FOUR INCHES OF LOAM PLACED BEFORE BEING PERMANENTLY SEEDED AND MULCHED AS APPLICABLE. EXISTING LOAM TO BE REUSED SHALL BE FREE OF DEBRIS. LOAM FROM AN OFF SITE BORROW SOURCE SHALL BE SAMPLED AND APPROVED FOR USE BY THE ENGINEER PRIOR TO ITS DELIVERY TO THE SITE.
9. EROSION CONTROL MEASURES SHALL BE REMOVED WHEN THE DISTURBED AREA IS STABILIZED OR AS SPECIFIED BY THE ENGINEER. DISTURBED AREA RESULTING FROM THE FILTER SOCK REMOVAL OPERATION SHALL BE PERMANENTLY SEEDED. ALL ACCUMULATED SEDIMENT SHALL BE STOCKPILED FOR LATER REUSE.
10. TEMPORARY STRAW MULCH OR TEMPORARY EROSION CONTROL BLANKETS SHALL BE USED WHERE NON-VEGETATIVE COVER IS REQUIRED FOR A PERIOD GREATER THAN 14 DAYS BUT LESS THAN SIX MONTHS. MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MACHINE RESULTING IN 100% COVERAGE OF THE DISTURBED SOIL. IF ANCHORING IS NECESSARY, TACKIFIERS AND/OR NETTING EITHER WITH THE MULCH OR IMMEDIATELY FOLLOWING MULCH APPLICATION SHALL BE USED.
11. TEMPORARY SEEDING SHALL BE USED WHERE VEGETATIVE COVER IS REQUIRED FOR A PERIOD GREATER THAN ONE MONTH BUT LESS THAN TWELVE MONTHS ON DISTURBED SOIL AREAS. RAPIDLY GROWING ANNUAL GRASSES WILL BE UNIFORMLY APPLIED AT THE RATE ASSOCIATED WITH HYDRAULIC APPLICATION (HYDROSEEDING). THE SITE SHALL BE CHECKED PERIODICALLY TO ASSESS THE GROWTH OF THE PLANTS. IF SEEDING FAILS TO GROW, THE AREA SHALL BE RE-ESTABLISHED TO PROVIDE ADEQUATE EROSION CONTROL. THE SEED MIXTURE SHALL BE RIDOT TEMPORARY SEED MIX (M18.10.5), OR APPROVED EQUIVALENT.
12. PERMANENT SEEDING SHALL BE USED ON AREAS WHERE PERMANENT VEGETATIVE COVER IS NEEDED TO STABILIZE THE SOIL AND REDUCE EROSION AND SEDIMENTATION. RAPIDLY GROWING ANNUAL GRASSES SHALL BE UNIFORMLY APPLIED AT THE RATE ASSOCIATED WITH HYDRAULIC APPLICATION (HYDROSEEDING). THE SEED MIXTURE TO BE USED FOR PERMANENT STABILIZATION SHALL BE RIDOT NATIVE SEED MIX (M18.10.6), OR APPROVED EQUIVALENT.
13. SEEDING SHALL OCCUR PRIOR TO OCTOBER 15TH. AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOVEMBER 15TH, MUST BE STABILIZED THROUGH THE USE OF NON-VEGETATIVE EROSION CONTROL MEASURES. AREAS SEEDED BETWEEN MAY 15TH AND AUGUST 15TH SHALL BE COVERED WITH STRAW MULCH. DURING THESE MONTHS, TEMPORARY AND PERMANENT SEEDED AREAS SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING.
14. TREATMENT CHEMICALS SHALL NOT BE APPLIED.

**UTILITIES NOTES:**

1. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO EXCAVATION.
2. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES AND UTILITY COMPANIES, IN WRITING, A MINIMUM OF 72 HOURS PRIOR TO ANY CONSTRUCTION WITHIN 15 FEET OF A UTILITY LINE.
3. EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT DIGSAFE, NOTIFY ALL NON-MEMBER UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
4. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS AND FOR PERFORMING ANY NECESSARY WORK INVOLVED IN CONNECTION WITH THE DISCONTINUANCE OR JURISDICTION OF THE UTILITY COMPANIES, SUCH AS ELECTRICITY, TELEPHONE, WATER, GAS AND ANY SYSTEM OR SYSTEMS WHICH WILL BE AFFECTED BY THE WORK TO BE PERFORMED UNDER THIS CONTRACT.
5. UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES.
6. IF REQUIRED, OVERHEAD LINES SHALL BE RELOCATED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
7. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

**DOCUMENT USE:**

1. THESE PLANS AND THE CORRESPONDING CAD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE PREPARED BY ESS GROUP, INC., AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED WRITTEN CONSENT OF ESS GROUP, INC. ANY UNAUTHORIZED USE, REUSE, MODIFICATION, OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT, SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO ESS GROUP, INC.
2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, OR DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS OR OWNER, BUT SHALL VERIFY LOCATIONS OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS, AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURER'S LITERATURE, SHOP DRAWINGS, AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.



*Jason Gold 5/16/19*

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**NOT FOR CONSTRUCTION**

No.	REVISION	DATE	APP BY
	DRAWN BY: GJR	CHECKED BY: JMG	
	DESIGNED BY: JMG	APPROVED BY:	

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUL 1 2019 FILE # 19-062  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

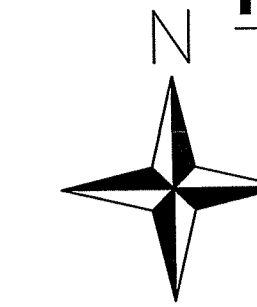
*Jason M. Gold*

**FAIRMOUNT SOLAR  
 AP 2 LOT 24  
 85 FAIRMOUNT ST  
 WOONSOCKET, RI**

**PD APPLICATION  
 NOTES**

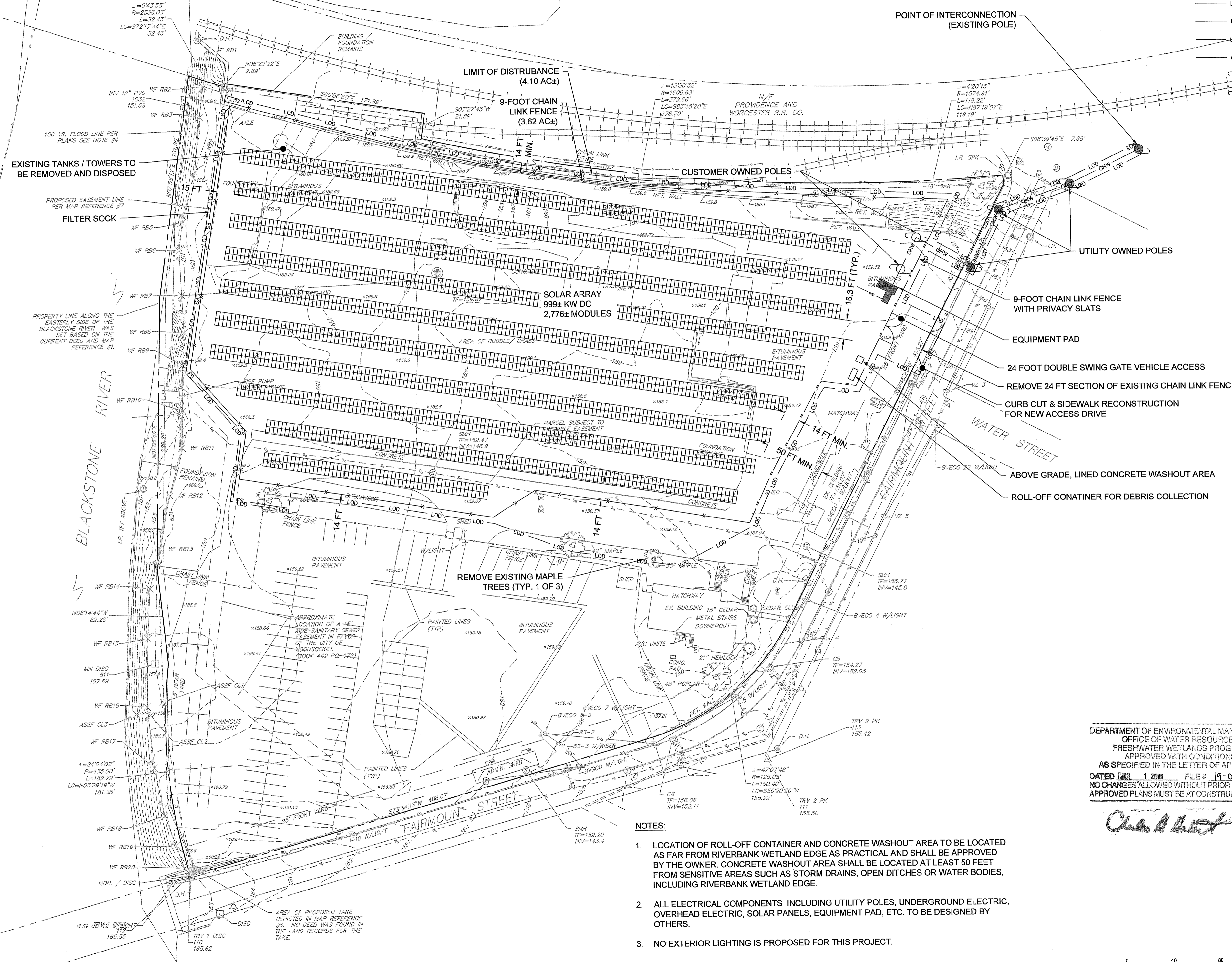
PROJECT No.: D193-000	DRAWING No.
DATE OF ISSUE: MAY 15, 2019	<b>N-1</b>
SHEET No.: 2 OF 4	
SCALE:	

**PROPOSED CONDITIONS LEGEND**



- 9-FOOT CHAIN LINK FENCE
- 9-FOOT CHAIN LINK FENCE WITH PRIVACY SLATS
- LOD LIMIT OF DISTURBANCE
- FS FILTER SOCK
- UG UNDERGROUND WIRE
- OH OVERHEAD WIRE
- CUSTOMER UTILITY POLE
- UTILITY OWNED POLE

DATE: May 16, 2019 - 1:13:34 PM  
 PROJECT: 19-0162  
 SHEET: 3 OF 4  
 DRAWING: FAIRMOUNT SOLAR AP 2 LOT 24  
 SCALE: 1"=40'  
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Environmental Management  
 MAY 24 2019  
 Office of Water Resources

**JASON M. GOLD**  
 No. 7788  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
*Jason Gold 5/16/19*

**NOT FOR CONSTRUCTION**

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No.	REVISION	DATE	APP BY

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED 10/11/2019 FILE # 19-0162  
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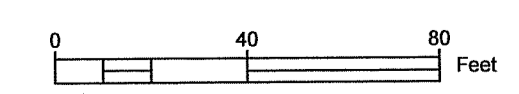
*Chris A. Hart*

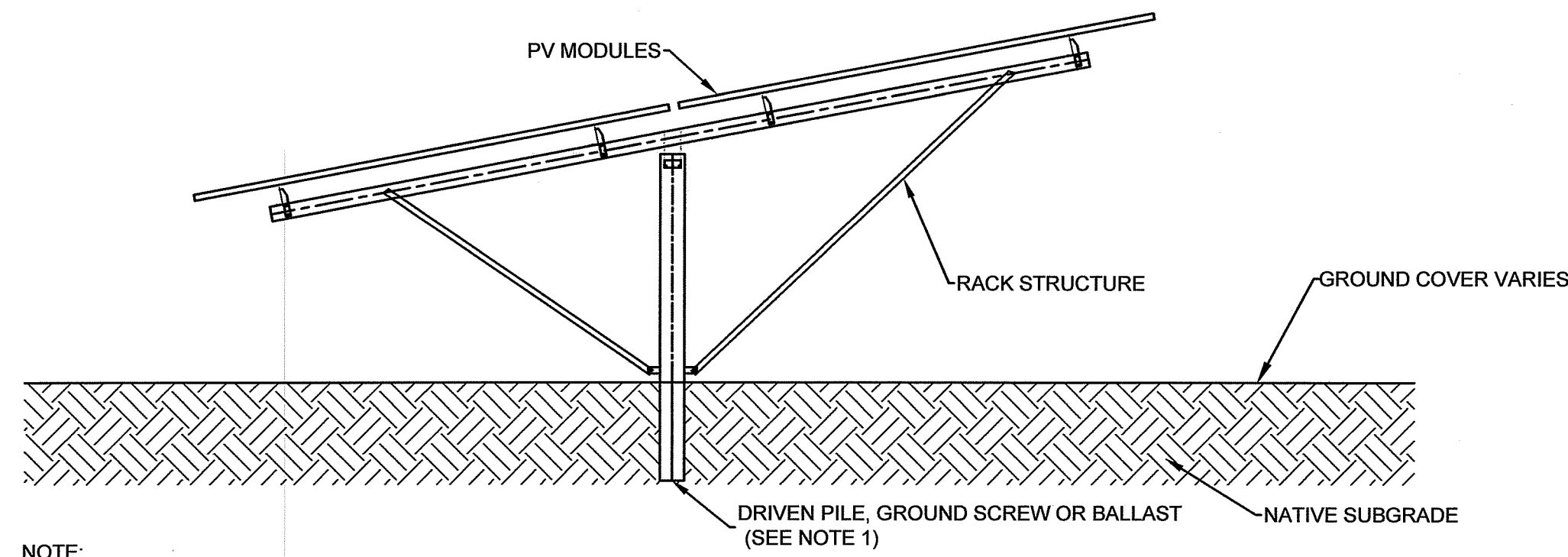
- NOTES:**
1. LOCATION OF ROLL-OFF CONTAINER AND CONCRETE WASHOUT AREA TO BE LOCATED AS FAR FROM RIVERBANK WETLAND EDGE AS PRACTICAL AND SHALL BE APPROVED BY THE OWNER. CONCRETE WASHOUT AREA SHALL BE LOCATED AT LEAST 50 FEET FROM SENSITIVE AREAS SUCH AS STORM DRAINS, OPEN DITCHES OR WATER BODIES, INCLUDING RIVERBANK WETLAND EDGE.
  2. ALL ELECTRICAL COMPONENTS INCLUDING UTILITY POLES, UNDERGROUND ELECTRIC, OVERHEAD ELECTRIC, SOLAR PANELS, EQUIPMENT PAD, ETC. TO BE DESIGNED BY OTHERS.
  3. NO EXTERIOR LIGHTING IS PROPOSED FOR THIS PROJECT.

**FAIRMOUNT SOLAR**  
 AP 2 LOT 24  
 85 FAIRMOUNT ST  
 WOONSOCKET, RI

PD APPLICATION  
 PROPOSED SITE PLAN

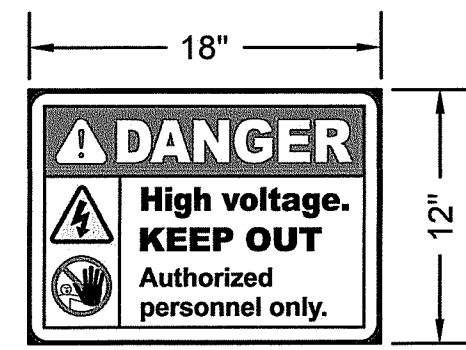
PROJECT No.: D193-000	DRAWING No.:
DATE OF ISSUE: MAY 15, 2019	C-1
SHEET No.: 3 OF 4	
SCALE: 1"=40'	





**NOTE:**  
1. DETAIL SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL COMPONENTS AND DIMENSIONS AS APPROVED BY OWNER. RACK STRUCTURE, FOUNDATION, AND PV MODULES TO BE DESIGNED BY OTHERS.

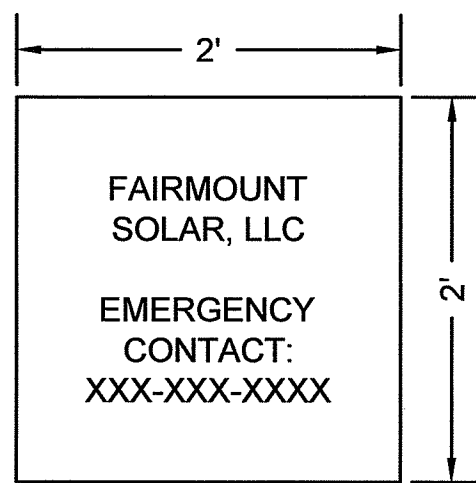
**1**  
**4** **TYPICAL SOLAR PANEL AND RACK DETAIL**  
SCALE: NTS



**NOTES:**  
1. SIGN SHALL BE 0.040 IN. RUST FREE ALUMINUM.  
2. SIGN SHALL COMPLY WITH ANSI Z535.  
3. DANGER SIGN TO BE SPACED EVERY 300 FEET ALONG FENCE LINE.



**NOTES:**  
1. SIGN SHALL BE 0.040 IN. RUST FREE ALUMINUM.  
2. SIGN SHALL COMPLY WITH ANSI Z535.  
3. NO TRESPASSING SIGN TO BE SPACED EVERY 100 FEET ALONG FENCE LINE.

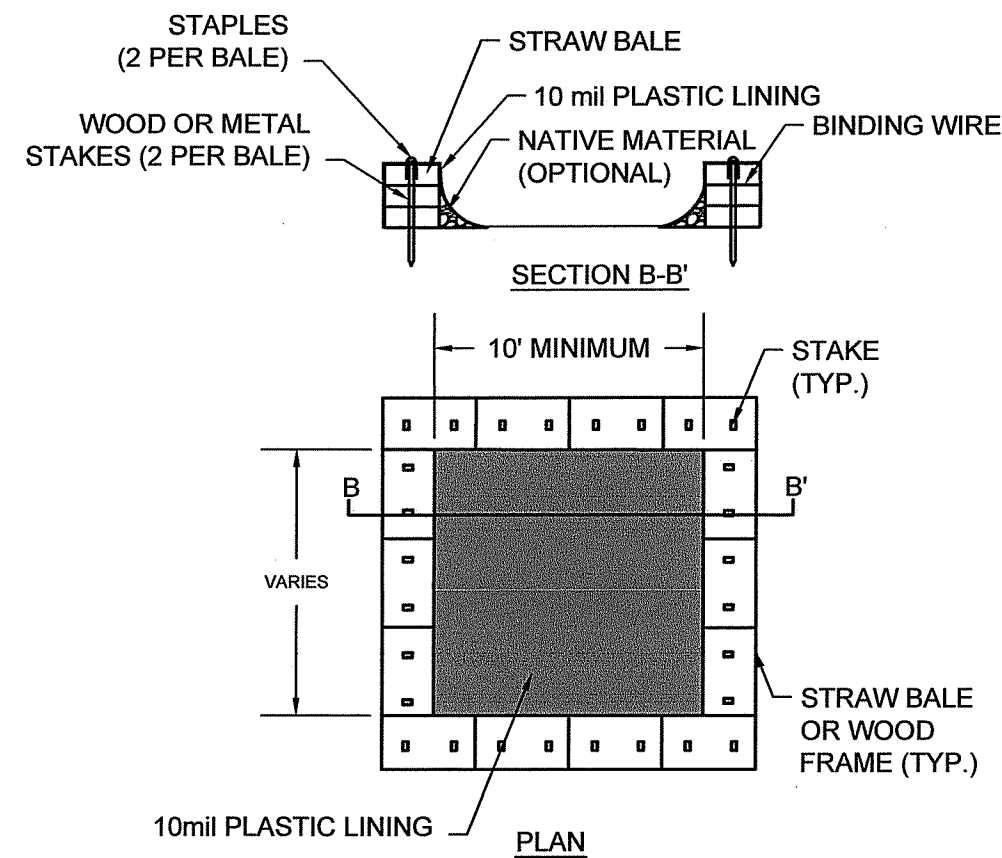


**NOTES:**  
1. SIGN SHALL BE REFLECTIVE RUST FREE ALUMINUM.  
2. EMERGENCY CONTACT TELEPHONE NUMBER TO BE PROVIDED BY OWNER.

**3**  
**4** **DANGER SIGN**  
SCALE: NTS

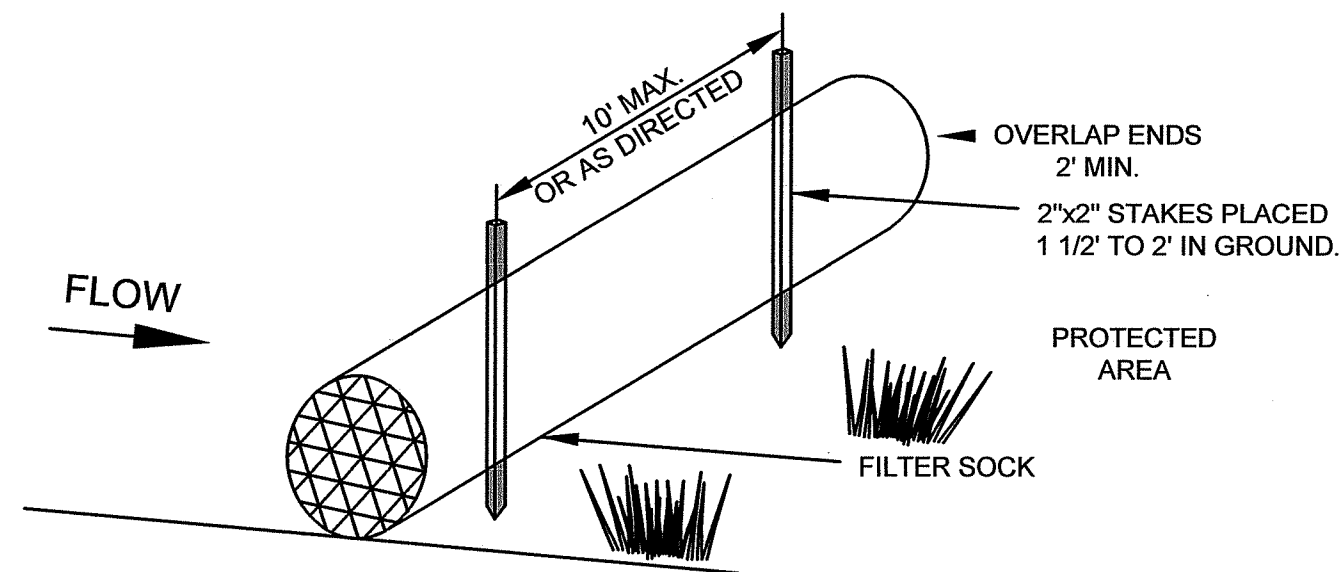
**4**  
**4** **NO TRESPASSING SIGN**  
SCALE: NTS

**5**  
**4** **EMERGENCY CONTACT SIGN**  
SCALE: NTS



**NOTES:**  
1. CONCRETE WASHOUT SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PROVIDE 12 INCHES OF FREEBOARD.  
2. PLASTIC LINING SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.  
3. WASHOUT SHALL BE CLEANED OR REPLACED ONCE 75% FULL.  
4. ACTUAL DIMENSIONS TO BE DETERMINED BY THE CONTRACTOR.

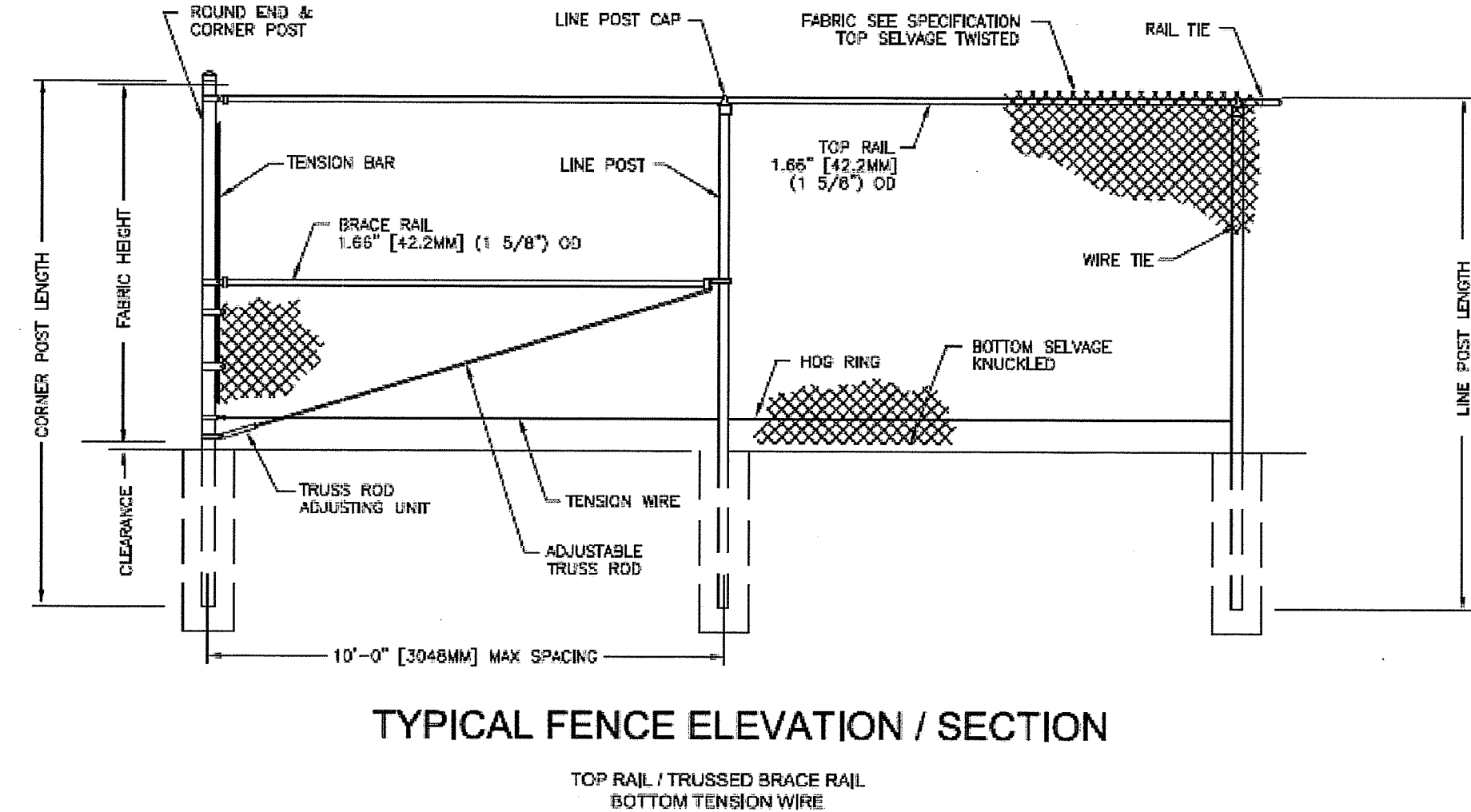
**6**  
**4** **TYPICAL CONCRETE WASHOUT**  
SCALE: NTS



**ANCHORING DETAIL**  
**CONSTRUCTION SPECIFICATIONS**

1. FILTER SOCKS SHALL BE FILTREXX SILT/SOXX OR EQUIVALENT APPROVED BY THE OWNER. FILTER SOCK AND COMPOST MATERIALS SHALL BE IN ACCORDANCE WITH AASHTO MIP 9-08, LATEST REVISION.
2. FILTER SOCKS SHALL BE 12 INCHES IN DIAMETER.
3. FILTER SOCKS SHALL BE PLACED IN ACCORDANCE WITH THIS PLAN SET AND IN A ROW WITH ENDS OVERLAPPING 2 FEET (MIN.).
4. FILTER SOCKS SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES, 10 FEET ON CENTER (MAX).
5. INSPECTION SHALL BE FREQUENT AND REPAIR AND/OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. FILTER SOCKS SHALL NOT BE MOVED TO OTHER LOCATIONS IN THE PROJECT ONCE PLACED.
7. VEGETATED BIODEGRADABLE FILTER SOCKS TO REMAIN. NON-BIODEGRADABLE FILTER SOCKS TO BE REMOVED.

**7**  
**4** **TYPICAL FILTER SOCK**  
SCALE: NTS



**TYPICAL FENCE ELEVATION / SECTION**

**NOTES:**  
1. DESIGN AND SPECIFICATION SUBJECT TO CHANGE.  
2. FOOTING AND POSTS AS REQUIRED BY SITE CONDITIONS & CODES.

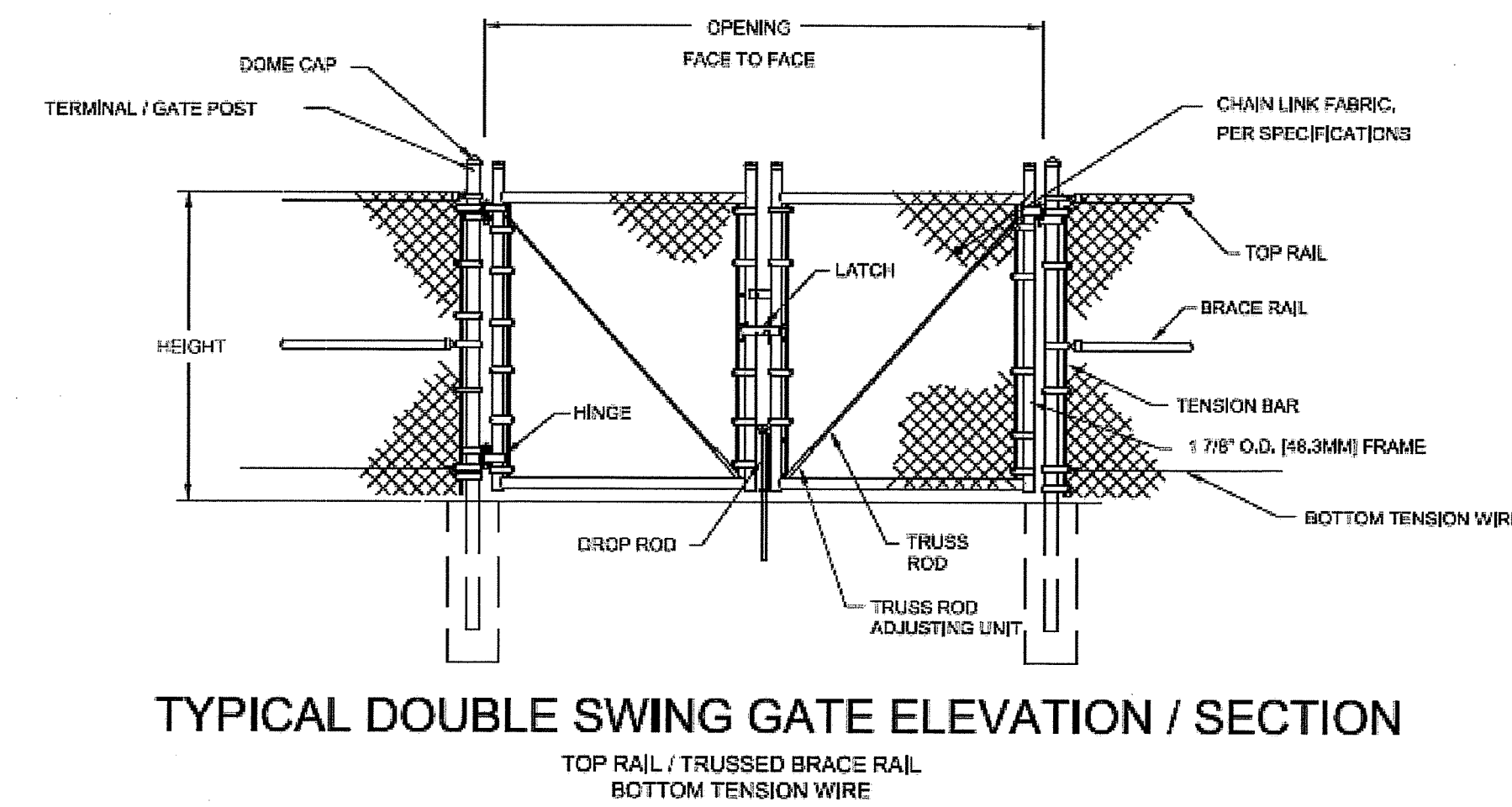


**CHAIN LINK**  
**TYPICAL FENCE ELEVATION / SECTION**

BY: FJR 05.19.05 SCALE: NTS DWG #: CL10  
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- NOTES:**
1. FINAL FENCE DETAIL TO BE SELECTED BY OWNER.
  2. FENCE TO BE BLACK OR GREEN MERCHANT METALS COLORBOND® COLOR COATED CHAIN LINK FENCE, OR APPROVED EQUIVALENT.
  3. INSTALL FENCE PER MANUFACTURER INSTRUCTIONS.
  4. FENCE POSTS TO BE PILE DRIVEN EXCEPT AT CORNERS AND GATES WHICH SHALL BE SET IN CONCRETE.
  5. FENCE HEIGHT SHALL BE 9 FEET.

**2**  
**4** **TYPICAL 9-FT CHAIN LINK FENCE DETAIL**  
SCALE: NTS



**TYPICAL DOUBLE SWING GATE ELEVATION / SECTION**

**NOTES:**  
DESIGN AND SPECIFICATION SUBJECT TO CHANGE  
VERTICAL & HORIZONTAL MEMBERS MAXIMUM 8' O.C.  
FOOTING AND POSTS AS REQUIRED BY SITE CONDITIONS & CODES



**CHAIN LINK**  
**DOUBLE SWING GATE ELEVATION / SECTION**

BY: ART 2.11.10 SCALE: NTS DWG #: CL12  
WWW.MerchantsMetals.com COPYRIGHT ©

- NOTES:**
1. FINAL GATE DETAIL TO BE SELECTED BY OWNER.
  2. INSTALL GATE PER MANUFACTURER INSTRUCTIONS.
  3. GATE POSTS SHALL BE SET IN CONCRETE.
  4. FENCE HEIGHT SHALL BE 9 FEET, OPENING WIDTH SHALL BE 24 FEET.

**8**  
**4** **TYPICAL VEHICLE GATE DETAIL**  
SCALE: NTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED 11 1 2019 FILE # 19-0162  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*John A. Hart*

Environmental Management  
MAY 24 2019  
Office of Water Resources

JASON M. GOLD  
No. 7788  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

*Jason Gold 5/16/19*

**NOT FOR CONSTRUCTION**

environmental consulting & engineering services

100 Fifth Avenue, 5th Floor  
Waltham, Massachusetts 02451  
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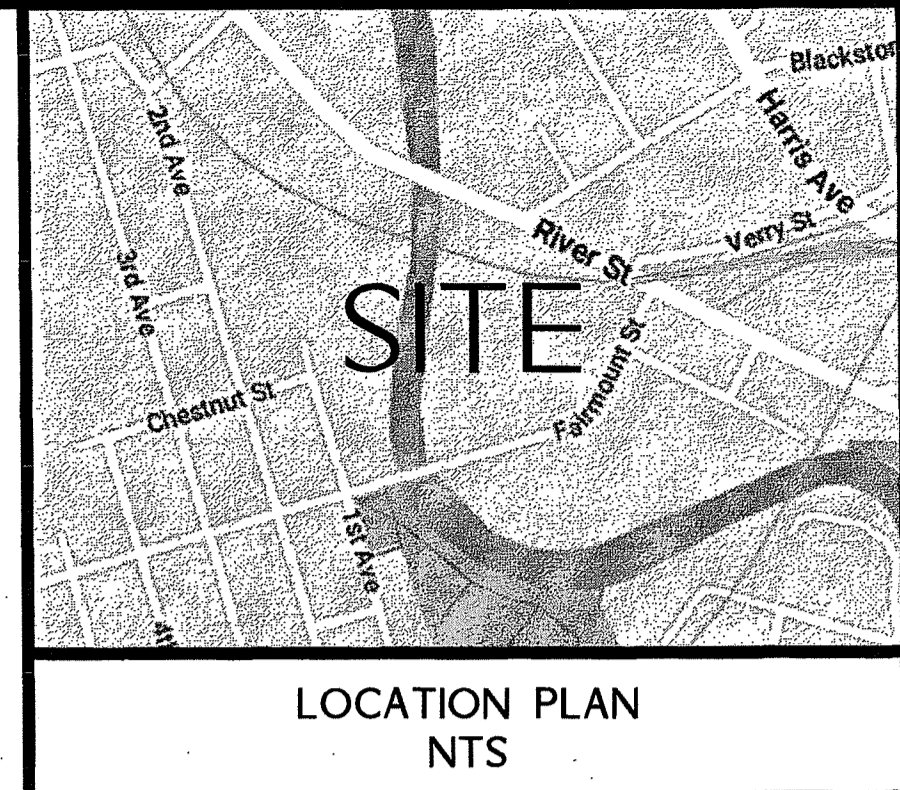
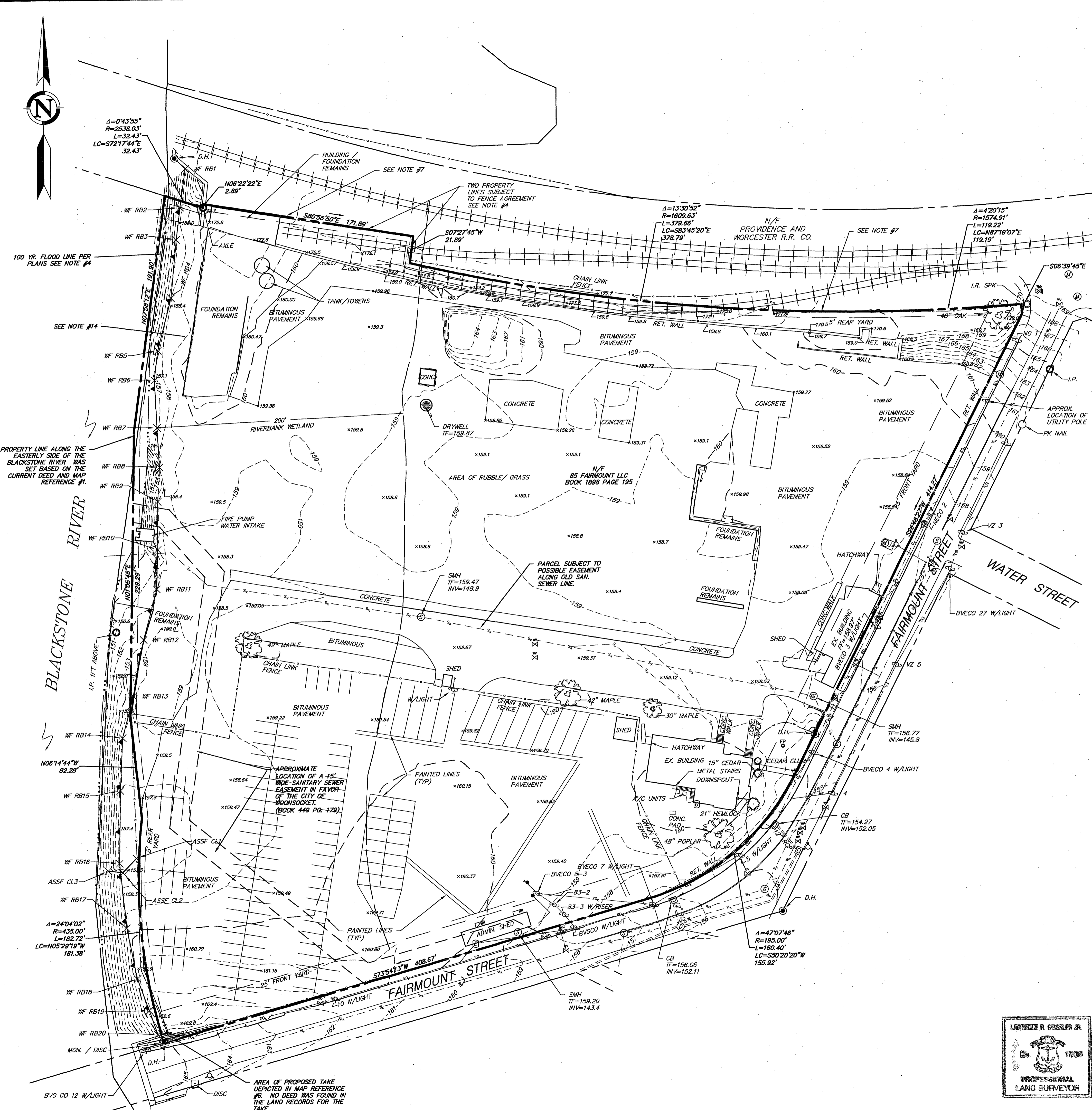
No.	REVISION	DATE	APP BY

**FAIRMOUNT SOLAR**  
**AP 2 LOT 24**  
**85 FAIRMOUNT ST**  
**WOONSOCKET, RI**

**PD APPLICATION**  
**DETAILS**

PROJECT No.: D193-000  
DATE OF ISSUE: MAY 15, 2019  
SHEET No.: 4 OF 4  
SCALE: **D-1**

LEGEND	
EXISTING	DESCRIPTION
	BORING / TEST PIT LOCATION
	OVERHEAD COMM. LINES (CABLE, TEL, ETC.)
	UNDERGROUND COMMUNICATION LINES
	BENCHMARK
	WATER MAIN
	WATER SERVICE
	WATER VALVE
	FIRE HYDRANT
	POLE MOUNTED LIGHT
	GAS MAIN
	GAS SERVICE LINE
	ELECTRICAL LINES, OVERHEAD
	ELECTRICAL LINES, UNDERGROUND
	UTILITY POLE
	PROPERTY LINE
	EASEMENT LINE
	IRON PIPE
	IRON ROD
	MONUMENT
	GUARD RAIL
	SIGN
	EDGE OF WATER
	BARBED WIRE FENCE
	CHAIN LINK FENCE
	RAIL FENCE
	STOCKADE FENCE
	WIRE FENCE
	STONE WALL
	TREE LINE
	SANITARY SEWER MAIN
	SANITARY SEWER SERVICE LINE
	SANITARY SEWER MANHOLE
	STORM DRAIN PIPE
	STORM DRAIN MANHOLE
	CURB INLET
	CATCH BASIN
	CONTOUR
	SPOT ELEVATION
	WETLANDS LINE



Environmental Management  
MAY 24 2019  
Office of Water Resources

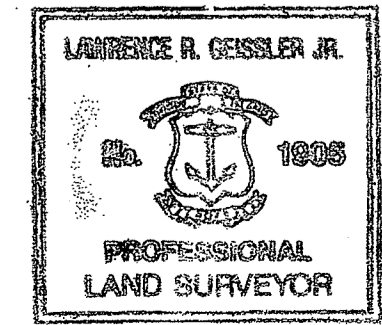
- NOTES:
1. PROPERTY IS IN THE 1-2 ZONE
  2. PARCEL CONTAINS 327,545 SQUARE FEET OR 7.52 ACRES.
  3. HORIZONTAL DATUM IS BASED ON NAD83. VERTICAL DATUM IS BASED ON NAVD83.
  4. PARCEL SUBJECT TO A FENCE AGREEMENT WITH LAND N/F PROVIDENCE AND WORCESTER RAILROAD CO. SEE VOL. 268 PG. 128
  5. PARCEL SUBJECT TO ENVIRONMENTAL LAND USE RESTRICTIONS SEE VOL. 1509 PG. 274.
  6. PARCEL SUBJECT TO A SOIL MANAGEMENT PLAN SEE VOL. 1509 PG. 279.
  7. PARCEL SUBJECT TO ACCESS RIGHTS AND POSSIBLE TELECOMMUNICATION EASEMENT RIGHTS IN FAVOR OF SPRINT COMMUNICATIONS CO. SEE VOL. 2088 PG. 252.
  8. PARCEL SUBJECT TO POSSIBLE RIGHTS OF UPPER AND LOWER RIPARIAN OWNERS IN AND TO THE WATERS OF THE BLACKSTONE RIVER AND ITS NATURAL FLOW.
  9. PROPERTY DOES NOT FALL WITHIN THE LIMITS OF A FLOOD HAZARD ZONE AS DEPICTED ON: "FIRM FLOOD INSURANCE RATE MAP NUMBER 440700083 CITY OF WOONSOCKET, RHODE ISLAND, PROVIDENCE COUNTY PANEL 69 OF 451 COMMUNITY NUMBER 445111 EFFECTIVE DATE: MARCH 02, 2009. PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY FEDERAL INSURANCE ADMINISTRATION.
  10. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO DESIGN PROFESSIONALS, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION.
  11. CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" FOR UNDERGROUND UTILITY MARKING AT LEAST TWO FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION. 1-800-922-4455 OR WWW.CBYD.COM.
  12. NO RAILROAD MONUMENTATION WAS RECOVERED. THE RAILROAD LINE AS DEPICTED HEREON WAS SET BASED ON MAP REFERENCE #3 AND THE AXLE FOUND ON THE EDGE OF THE R.R. RIGHT OF WAY NEAR THE NORTHWESTERLY CORNER OF THE SUBJECT PARCEL.
  13. PAINTED PARKING LINES DEPICTED HEREON ARE APPROXIMATE DUE TO UNDERGROUND UTILITY AND DETERIORATION OF LINES.
  14. THE UNSIGNED MAP REFERENCE #7 AS PROVIDED BY CITY OF WOONSOCKET ENGINEERING DEPARTMENT DEPICTS A PROPERTY LINE THAT DIFFERS FROM THE TITLE LINE IN THIS AREA.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
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*John A. Hest*

- MAP REFERENCES:
1. CITY OF WOONSOCKET, PLAN OF LAND ACQUIRED UNDER THE BLACKSTONE RIVER FLOOD CONTROL PROJECT, WOONSOCKET, R.I. MAY, 1957 SCALE: 1"=100' BY: G. BERTRAND GIBBELL
  2. PLAN OF HIGHWAY FROM RIVER ST. TO SECOND AVE. WOONSOCKET R.I. SCALE: 1"=30' DATED: APRIL, 1887 BY: JOHN W. ELLIS
  3. PLAN NO. 1604 WOONSOCKET CUMBERLAND ST AT CASS AVENUE RIVER STREET AT FAIRMOUNT ST. SCALE: 1"=20' DATED: 2-15-72
  4. RIGHT OF WAY AND TRACK MAP PROVIDENCE AND WORCESTER R.R. CO. CITY OF WOONSOCKET STATE OF R.I. SCALE 1"=100' DATED: 2-15-72
  5. NEW YORK NEW HAVEN AND HARTFORD RAILROAD REAL ESTATE AND RIGHT OF WAY DEPARTMENT LAND IN WOONSOCKET ET. AL. TO BE CONVEYED TO UNITED STATES RUBBER COMPANY SCALE: 1"=50' DATED: NOV. 1950
  6. DEPARTMENT OF PUBLIC WORKS WOONSOCKET, R.I. FAIRMOUNT STREET OVER BLACKSTONE RIVER LAND TAKING PLANS AT FAIRMOUNT ST. BRIDGE SCALE: 1"=20' DATED: MARCH, 1951
  7. WOONSOCKET FLOOD MITIGATION WORKS WOONSOCKET, RHODE ISLAND UPPER WOONSOCKET BLACKSTONE RIVER SECTION EASEMENT PLAN (ASSESSORS MAP B2, C2, D2 & D3) U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT SCALE: 1"=40' DATED: 7-22-2010 REV. THROUGH 5-15-2014

CERTIFICATION  
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:  
a. COMPREHENSIVE BOUNDARY SURVEY CLASS 1  
TOPOGRAPHIC SURVEY ACCURACY CLASS 1-2  
• THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: THE PURPOSE OF THE SURVEY IS TO DEPICT THE EXISTING PROPERTY LINES RELATIVE TO EXISTING IMPROVEMENTS ON AND IMMEDIATELY ADJACENT TO THE PROPERTY.  
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.  
*Lawrence R. Geissler, Jr.*  
LAWRENCE R. GEISLER, JR., L.S. 1905 LIC. NO.



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PREPARED FOR:  
ESS GROUP  
10 HEMINGWAY DRIVE  
EAST PROVIDENCE, RI

PROJECT NO.: 4173  
DATE: 12-17-2018  
DRAWN BY: BDC  
CHECKED BY: BDC  
SCALE: AS SHOWN

**85 FAIRMOUNT LLC**  
10 HEMINGWAY DRIVE  
EAST PROVIDENCE, RI 02914  
WOONSOCKET, RHODE ISLAND

NO.	DATE	REVISIONS
1	2-16-2019	TITLE COMMITMENT EXCEPTIONS ADDRESSED
2	5/2/2019	CLIENT COMMENTS

COMPREHENSIVE BOUNDARY SURVEY & TOPOGRAPHIC SURVEY

SHEET  
**V-1**

The City of Woonsocket Survey 4773 Survey Drawing  
 Layout: Prop 3 Top  
 Plot Date: 5/2/2019 10:05 PM  
 Last Saved By: rbaconbaufel