

Final Plan Submission

GDIM: 1-9 Iron Mine Hill Road Solar

North Smithfield, Rhode Island

Assessor's Plat 12 Lots 136B & 137

Feridoon Khan Revocable Trust
Feridoon Khan Trustee
5 Kennedy Boulevard
Lincoln, RI 02865

Assessor's Plat 16 Lots 6 & 97

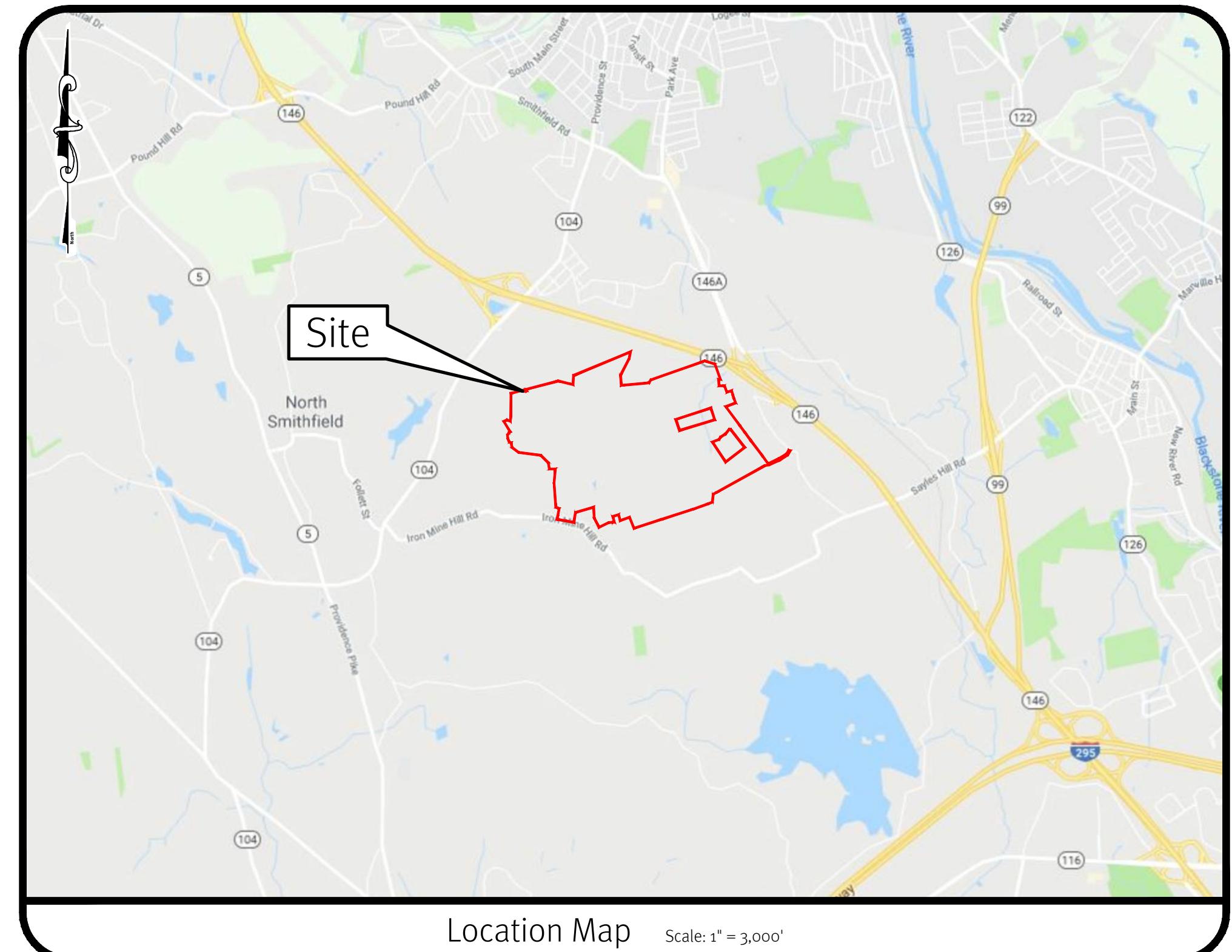
Ralph F. & Muriel J. Ferra
1105 Iron Mine Hill Road
North Smithfield, RI 02896

Assessor's Plat 13 Lots 12 & 51

Assessor's Plat 16 Lot 6

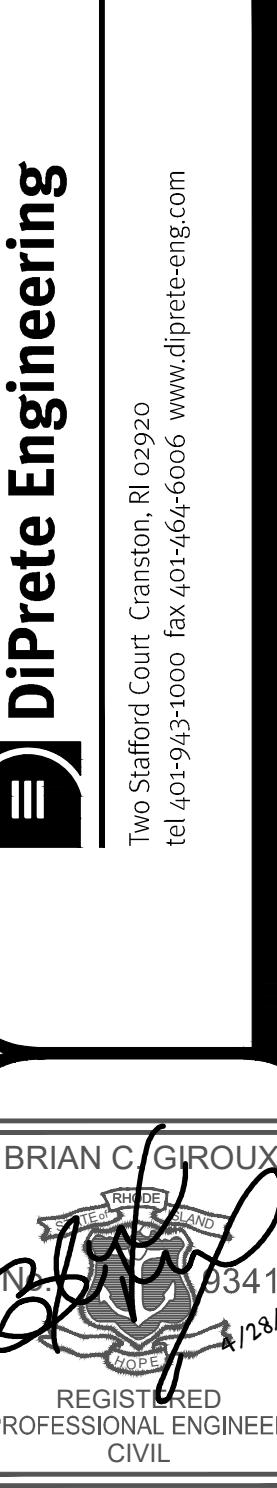
Assessor's Plat 17 Lot 175

Ralph F. & Muriel J. Ferra
1081 Iron Mine Hill Road
North Smithfield, RI 02896



Sheet List

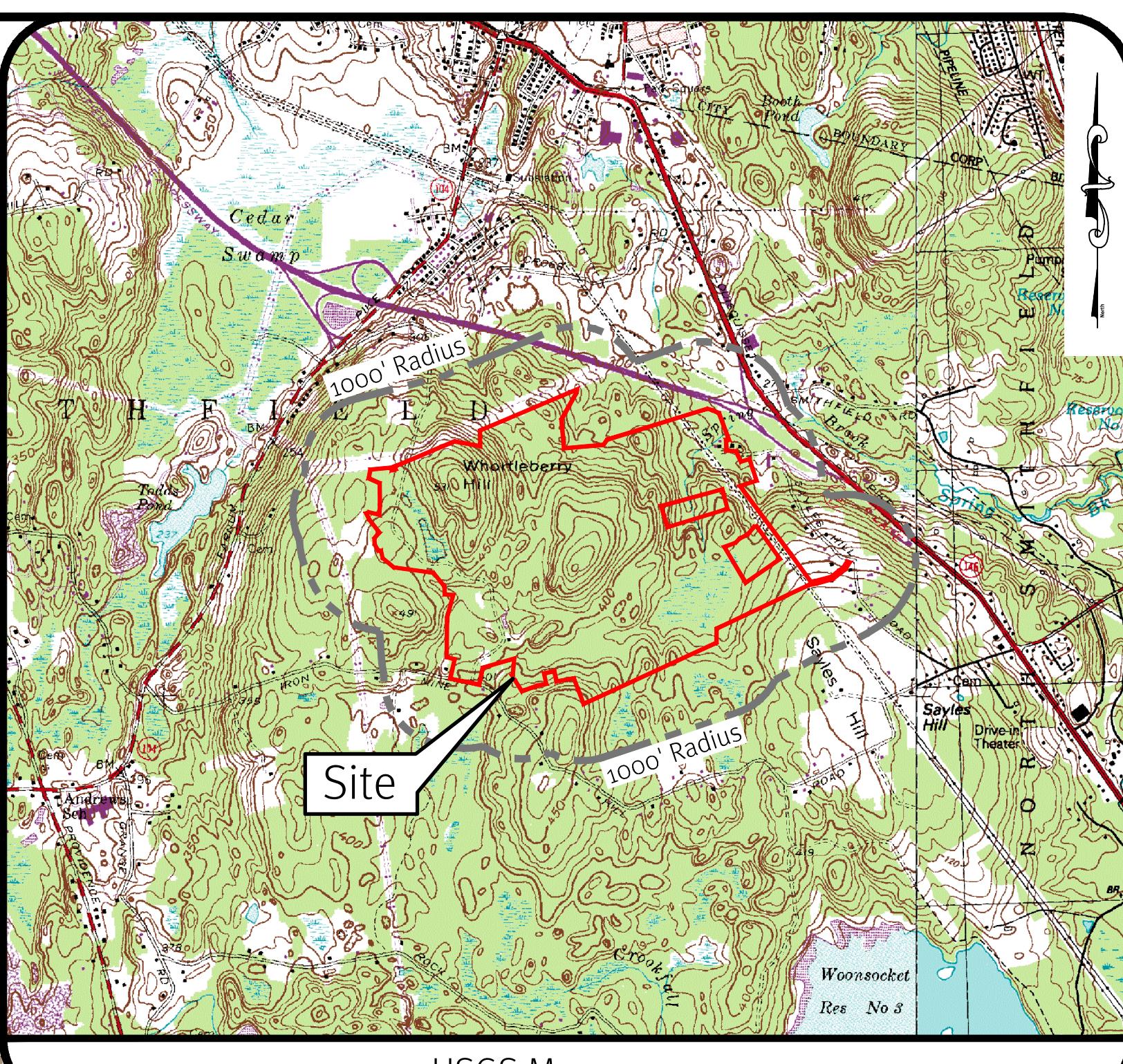
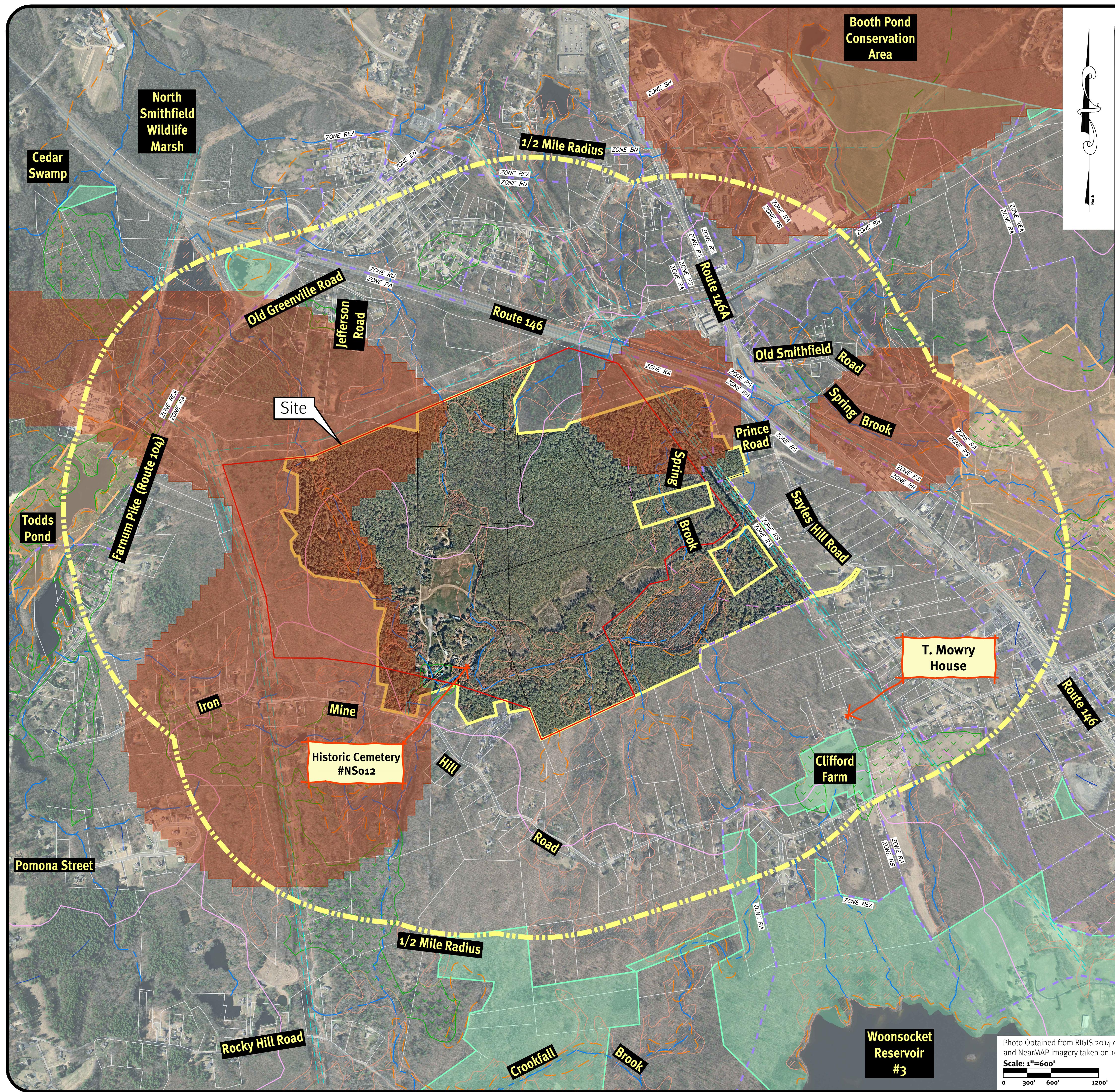
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This regulation submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a DiPrete Engineering representative.

The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA conformance in the implementation of this plan and design.

No.	Date	Description	B.C.G.	By:	Design By:
0	4/28/2020	Final Plan Submission			



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Boston • Providence • Newport

Site Context Map

GDIM 1-9: Iron Mine Hill Road Solar

AP 12 Lots 136B & 137, AP 13 Lots 12 & 51, AP 16 Lots 6 & 97, AP 17 Lot 175
North Smithfield, Rhode Island

Prepared for

1

SHEET

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General Notes:

1. THE SITE IS LOCATED ON THE TOWN OF NORTH SMITHFIELD ASSESSOR'S PLAT 12 LOTS 136B & 137, ASSESSOR'S PLAT 13 LOTS 12 & 51, ASSESSOR'S PLAT 16 LOTS 6 & 97, AND ASSESSOR'S PLAT 17 LOT 175.

2. THE SITE IS 425.53 ACRES AND IS ZONED RA AND IS WITHIN THE SOLAR PHOTOVOLTAIC OVERLAY DISTRICT (S.P.O.D.).

3. THE OWNER OF AP 12 LOTS 136B & 137 IS: FARDOON KHAN REVOCABLE TRUST FARDOON KHAN, TRUSTEE 5 KENNEDY BOULEVARD LINCOLN, RI 02865

THE OWNER OF AP 13 LOTS 12 & 51 IS: RALPH F. & MURIEL J. FERRA 1081 IRON MINE HILL ROAD NORTH SMITHFIELD, RI 02896

THE OWNER OF AP 16 LOT 97 IS: RALPH & MURIEL FERRA 1105 IRON MINE HILL ROAD NORTH SMITHFIELD, RI 02896

THE OWNER OF AP 16 LOT 6 AND AP 17 LOT 175 IS: RALPH F. & MURIEL J. FERRA 1081 IRON MINE HILL ROAD NORTH SMITHFIELD, RI 02896

4. THIS SITE IS LOCATED IN FEMA FLOOD ZONES X (UNSHADE) AND X (SHADE). REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C0160G, MAP REVISED MARCH 2, 2009. (FLOOD PLAIN DESCRIPTIONS SHOWN BELOW)

ZONE X (UNSHADE) – THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X AREAS ARE WHERE THERE IS MINIMAL FLOODING.

ZONE X (SHADE) – THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X AREAS OF 0.2% ANNUAL CHANCE OF FLOOD; AREAS OF 1% ANNUAL CHANCE OF FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINED AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

5. THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS THE RESULTS OF A CLASS I BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY NATIONAL SURVEYORS-DEVELOPERS, INC. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS I BOUNDARY RETRACEMENT SURVEY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS I STANDARD SURVEY PLAN.

6. ALL WORK PERFORMED HEREIN IS TO BE GOVERNED BY CURRENT EDITIONS OF THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, TOWN OF NORTH SMITHFIELD STANDARD SPECIFICATIONS AND DETAILS AND SPECIFICATIONS INCORPORATED BY REFERENCE IN THE DRAWINGS. AREAS OF CONFLICT BETWEEN THE DIFFERENT SPECIFICATIONS IN THIS PLAN AND PROJECT SPECIFICATIONS WILL TAKE PRECEDENCE OVER THE GENERAL SPECIFICATIONS AND THE DESIGN ENGINEER WILL INTERPRET THE CONSTRUCTION REQUIREMENT. THE CONTRACTOR IS ADVISED TO SUBMIT A REQUEST FOR INFORMATION (RFI) FOR ANY AREAS OF CONFLICT BEFORE COMMITTING TO CONSTRUCTION.

7. THE SITE IS WITHIN A:

- NON-COMMUNITY WELLHEAD PROTECTION AREA (RIDEM)
- NATURAL HERITAGE AREA (RIDEM)
- GROUNDWATER AQUIFER OVERLAY DISTRICT (TOWN)

8. THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/ OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:

- SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
 - EROSION CONTROL MEASURES
 - SHORT TERM MAINTENANCE
 - ESTABLISHMENT OF VEGETATIVE COVER
 - CONSTRUCTION POLLUTION PREVENTION
 - SEQUENCE OF CONSTRUCTION
- OPERATION AND MAINTENANCE PLAN (O&M). THE O&M CONTAINS:
 - LONG TERM MAINTENANCE
 - LONG TERM POLLUTION PREVENTION

9. THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: [HTTP://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP](http://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP).

10. NO NEW WELLS OR OWS PROPOSED. THE SITE IS NOT PROPOSED TO BE SERVICED BY PUBLIC WATER AND/OR PUBLIC SEWER.

11. THE DRAINAGE SYSTEM MEETS THE TOWN OF NORTH SMITHFIELD SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WITH THE USE OF SWALES AND DRAINAGE BASINS. THE STORMWATER MANAGEMENT SYSTEM MEETS THE RIDEM BEST MANAGEMENT PRACTICES.

12. WORK WILL BE SEQUENCE BEGINNING WITH THE PRIMARY ACCESS ROUTE TO THE SUBSTATION AND SUBSTATION AREA AS A PRIORITY DUE TO THE SCHEDULE FOR NATIONAL GRID TO COMPLETE THE SUBSTATION. THE INTENT IS TO MOBILIZE ON THE SITE ONCE AND PROCEED IN STAGES WITH THE CONSTRUCTION OVER AN APPROXIMATE 1 YEAR TIMEFRAME. WHILE THE NATIONAL GRID WORK ON THE SUBSTATION IS PROCEEDING, THE 9 SOLAR ARRAY AREAS WILL BE PREPARED IN SEQUENCE WITH THE WORK BEGINNING IN THE SUBSTATION AREA AND MOVING SOUTH/SOUTHEAST AND EAST AS WORK PROGRESSES. SOLAR OPERATIONS CANNOT COMMENCE UNTIL NATIONAL GRID'S WORK IS COMPLETED.

13. TEST PITS AND SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON JULY 17-19, 2018 AND NOVEMBER 20, 2018.

14. ANY PROPRIETARY PRODUCTS REFERENCED IN THIS PLAN SET ARE REPRESENTATIVE OF THE MINIMUM DESIGN REQUIREMENTS FOR THE PURPOSE IT PROPOSES TO SERVE. ALTERNATIVES TO ANY PROPRIETARY PRODUCT MAY BE SUBMITTED TO THE ENGINEER OF RECORD FOR CONSIDERATION, WHICH MUST BE ACCOMPANIED BY APPROPRIATE SPECIFICATION SHEETS/ DESIGN CALCULATIONS THAT DEMONSTRATE THE ALTERNATIVE(S) MEET THE MINIMUM DESIGN PARAMETERS OF THE PRODUCT SHOWN ON THE PLANS. NO ALTERNATIVES MAY BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.

15. TOPOGRAPHY WAS OBTAINED FROM PLAN ENTITLED "SOLAR FARM PROJECT, NORTH SMITHFIELD, RHODE ISLAND" BY AEROTECH INTERNATIONAL, PROVIDENCE, RI, DATED 09-07-2018, SCALE: 1" = 40'.

16. SOIL MAPPING OBTAINED FROM WEBSOL SURVEY OF RHODE ISLAND, PREPARED BY U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.

17. THE SITE LOCATION AND LIMITS OF WORK PROVIDE SIGNIFICANT VEGETATED BUFFERS FROM SURROUNDING DEVELOPED PROPERTIES. SELECTIVE SCREENING VEGETATION MAY BE INCORPORATED WITHIN THE APPROVED LIMITS OF DISTURBANCE AS DETERMINED DURING THE TOWNS PRELIMINARY PLAN REVIEW AND PUBLIC HEARING PROCESS AFTER RIDEM REVIEW HAS COMPLETED.

18. THIS PLAN SET MAY REFERENCE AND/ OR INCLUDE REPRODUCTIONS OF PROPRIETARY PRODUCTS/ DETAILS BY OTHERS, AND/ OR THEIR ASSOCIATED SPECIFICATIONS. ANY REFERENCED OR REPRODUCED PROPRIETARY PRODUCT OR DETAIL BY OTHERS THAT IS SHOWN ON DIPRETE PLANS IS STRICTLY FOR INFORMATION/ SPECIFICATION PURPOSES ONLY. DIPRETE ENGINEERING DOES NOT WARRANT ANY PROPRIETARY PRODUCTS, DETAILS BY OTHERS OR THEIR RESPECTIVE DESIGNS. IF A DIPRETE ENGINEERING PLAN INCLUDES A PROPRIETARY PRODUCT/ DETAIL BY OTHERS (EITHER EXPLICITLY OR IMPLIED) AND IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING, SAID STAMP DOES NOT EXTEND TO ANY PORTION OF THE PROPRIETARY PRODUCT/ DETAIL BY OTHERS OR ITS DESIGN.

19. THE SITE HAS RECEIVED THE FOLLOWING APPROVALS FROM RIDEM: WETLAND EDGE VERIFICATION #18-0237, WETLAND APPLICATION NO. 19-0030, RIDES FILE NUMBER RIR101865. A DRY HYDRANT WAS ALSO APPROVED UNDER APPLICATION NO. 19-0125.

Soil Erosion and Sedimentation Control Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON SITE WHICH MUST BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. ALL EROSION CONTROL, TEMPORARY SWALES, TEMPORARY SEDIMENT TRAPS, TEMPORARY SEDIMENTATION PONDS, ETC. TO BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL LATEST EDITION AND THE SOIL EROSION SEDIMENTATION CONTROL PLAN (SESC).
3. TEMPORARY SWALES ARE TO BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED ROADWAY. TEMPORARY SWALES TO BE VEGETATED AFTER CONSTRUCTION. EROSION CONTROL MATS ARE TO BE INSTALLED, IF NECESSARY, TO PREVENT EROSION AND SUPPORT VEGETATION. AFTER CONSTRUCTION IS COMPLETE AND TRIBUTARY AREAS TO THE SWALES HAVE BEEN STABILIZED, THE TEMPORARY SWALES ARE TO BE CLEARED AND FINAL DESIGN, INCLUDING INSTALLATION OF THE GRASS SWALE TO BE PER THE DESIGN PLANS.
4. ONCE THE SEDIMENT TRAPS / SEDIMENT BASINS ARE NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE TEMPORARY SEDIMENTATION BASINS ARE TO BE CLEANED AND BROUGHT TO FINAL DESIGN GRADES.
5. FOR SEQUENCE OF CONSTRUCTION, PROJECT PHASING AND CONSTRUCTION PHASING SEE SESC PLAN.
6. CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER AND OWNER.
7. TEMPORARY SEDIMENT BASINS MUST BE DEWATERED USING A DEVICE THAT DISCHARGES WATER FROM THE TOP OF THE DEWATERING ZONE. A SKIMMER MUST BE PROVIDED FOR EACH TEMPORARY SEDIMENTATION BASIN SEE SEDIMENTATION BASIN DETAIL.
8. IF CONCRETE TRUCKS ARE WASHED OUT ON SITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.

Demolition Notes:

1. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN WERE PROVIDED BY OTHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATION. BLASTING, UTILITY INSTALLATION, BACKFILLING, CRADING, PAVEMENT RESTORATION, AND ALL OTHER SITE WORK. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THESE DOCUMENTS. CONTACT DIG SAFE A MINIMUM OF 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 811. DIG SAFE IS RESPONSIBLE FOR CONTACTING MEMBER UTILITY COMPANIES. DIG SAFE MEMBER UTILITY COMPANIES ARE RESPONSIBLE TO MARK ONLY THE FACILITIES THAT THEY OWN OR MAINTAIN. NON DIG SAFE MEMBER COMPANIES ARE NOT NOTIFIED BY DIG SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFY ANY PRIVATELY OWNED OR NON DIG SAFE MEMBER UTILITIES IN THE AREA.

PER THE CODE OF FEDERAL REGULATIONS – TITLE 29, PART 1926 IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE UNDERGROUND UTILITY LINE LOCATIONS FROM THE UTILITY COMPANIES, UTILITY OWNERS AND, OR VIA UNDERGROUND UTILITY LOCATION EQUIPMENT AS NEEDED TO ESTABLISH ACCURATE LOCATIONS PRIOR TO ANY EXCAVATION. THE USE OF PROFESSIONAL UTILITY LOCATING COMPANIES PRIOR TO ANY EXCAVATION IS RECOMMENDED.

DIPRETE ENGINEERING IS NOT A PROFESSIONAL UTILITY LOCATION COMPANY, AND IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES DEPICTED, NOR EITHER IN SERVICE OR ABANDONED. ANY SIZES, LOCATIONS, EXISTENCE, OR LACK OF EXISTENCE OF UTILITIES SHOWN ON THESE PLANS SHOULD BE CONSIDERED APPROXIMATE UNTIL VERIFIED BY A PROFESSIONAL UTILITY LOCATION COMPANY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED.

2. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.

3. CONTRACTOR TO PERFORM DAILY SWEEPING AT CONSTRUCTION ENTRANCE DURING DEMOLITION AND CONSTRUCTION TO MINIMIZE SEDIMENTS ON PUBLIC STREETS.

4. ANY EXISTING BUILDING(S) AND PROPERTY PROPOSED TO REMAIN WHICH ARE DAMAGED BY THE CONTRACTOR MUST BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

5. CONTRACTOR IS RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) ALL MATERIALS INDICATED ON THE PLANS UNLESS SPECIFIED OTHERWISE HERE IN. R&D MATERIALS MUST INCLUDE BUT ARE NOT LIMITED TO PAVEMENT, GRAVEL, CRUSHED ROCK, CATCH BASINS, MANHOLES, GRATES/FRAMES/COVERS, AND ANY EXCESS SOIL THAT IS NOT INCORPORATED INTO THE WORK. NO TOP OR SUBSOIL IS TO LEAVE THE SITE.

6. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, ALL DISTURBED AREAS INCLUDING THE CONTRACTOR'S STOCKPILE AND STAGING AREAS WITHIN THE LIMIT OF WORK MUST BE RESTORED TO MATCH THE DESIGN PLANS.

7. ALL EXISTING STRUCTURES ON SITE TO BE RAISED.

Site Layout Notes:

1. ALL ELECTRICAL CONNECTION AND DISTRIBUTION LINES WITHIN THE FACILITY SHALL BE UNDERGROUND. ELECTRICAL EQUIPMENT BETWEEN THE SUBSTATION AND THE UTILITY CONNECTION WILL BE ABOVE GROUND.
2. OVERNIGHT LIGHTING AT THE SUBSTATION IS TYPICALLY LIMITED TO A COURTESY LIGHT AT THE CONTROL HOUSE DOOR. LIGHTING WILL BE PROVIDED THROUGHOUT THE SUBSTATION TO FACILITATE EMERGENCY NIGHT TIME MAINTENANCE. LIMITED SUBSTATION LIGHTING MAY BE LEFT ON FOR SECURITY PURPOSES IF DEEMED NECESSARY BY NATIONAL GRID.

3. PROPOSED SIGNAGE IS LIMITED TO SECURITY SIGNS AND VOLTAGE WARNING SIGNS (OR SIMILAR) INSTALLED ON THE PHYSICAL PERIMETER FENCING.

4. NO PRIME AGRICULTURAL SOILS ARE TO BE REMOVED DURING CONSTRUCTION AND INSTALLATION OF THE SYSTEM.

5. THE SOLAR ARRAY SHALL BE ENCLOSED BY A 6' HIGH CHAIN LINK PERIMETER FENCE WITH 12' WIDE GATES WITH KNOX BOXES. THE NATIONAL GRID SUBSTATION WILL BE ENCLOSED BY AN 8' HIGH CHAIN LINK WITH BARRIER WIRE ON TOP. SUBSTATION FENCE EXTENDS BELOW GRADE.

6. GROUND MOUNTED SOLAR INSTALLATIONS SHALL NOT EXCEED 15 FEET IN HEIGHT (ZONING ORDINANCE 5.7.5.) . TYPICALLY, HEIGHT OF PROPOSED SOLAR PANEL INSTALLATION RANGES FROM 3 FEET TO 12 FEET.

7. THE NATIONAL GRID SUBSTATION AREA AND GDIM 1-9 INTERCONNECTION AREA WILL HAVE ABOVE GROUND UTILITIES AND POLES. THE ELECTRIC LINES FROM GDIM 1-9 TO THE INTERCONNECTION AREA WILL BE INSTALLED UNDERGROUND.

8. THIS PLAN SET MAY REFERENCE AND/ OR INCLUDE REPRODUCTIONS OF PROPRIETARY PRODUCTS/ DETAILS BY OTHERS, AND/ OR THEIR ASSOCIATED SPECIFICATIONS. ANY REFERENCED OR REPRODUCED PROPRIETARY PRODUCT OR DETAIL BY OTHERS THAT IS SHOWN ON DIPRETE PLANS IS STRICTLY FOR INFORMATION/ SPECIFICATION PURPOSES ONLY. DIPRETE ENGINEERING DOES NOT WARRANT ANY PROPRIETARY PRODUCTS, DETAILS BY OTHERS OR THEIR RESPECTIVE DESIGNS. IF A DIPRETE ENGINEERING PLAN INCLUDES A PROPRIETARY PRODUCT/ DETAIL BY OTHERS (EITHER EXPLICITLY OR IMPLIED) AND IS STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING, SAID STAMP DOES NOT EXTEND TO ANY PORTION OF THE PROPRIETARY PRODUCT/ DETAIL BY OTHERS OR ITS DESIGN.

9. THE SITE HAS RECEIVED THE FOLLOWING APPROVALS FROM RIDEM: WETLAND EDGE VERIFICATION #18-0237, WETLAND APPLICATION NO. 19-0030, RIDES FILE NUMBER RIR101865. A DRY HYDRANT WAS ALSO APPROVED UNDER APPLICATION NO. 19-0125.

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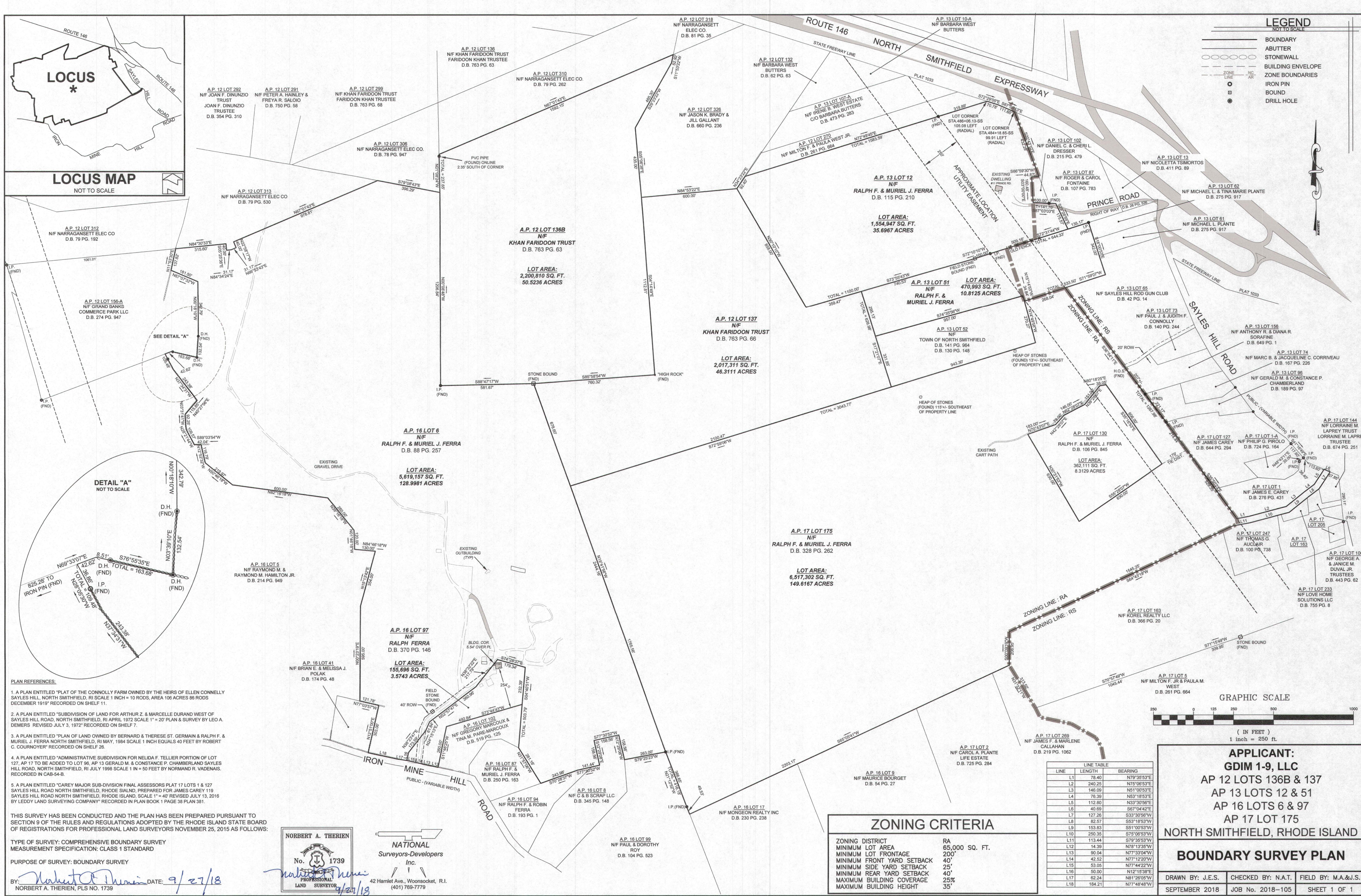
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APPLICANT:
ODIM 1-9, LLC

P 12 LOTS 136B & 137
AP 13 LOTS 12 & 51
AP 16 LOTS 6 & 97

17 LOT 175

AT 11 WEST 110
NORTH SMITHFIELD, RHODE ISLAND

LINE TABLE		
	LENGTH	BEARING
L1	78.40	N79°35'53"E
L2	240.25	N75°06'53"E
L3	146.09	N51°00'53"E
L4	76.39	N53°18'53"E
L5	112.80	N33°30'56"E
L6	40.69	S67°04'42"E
L7	127.26	S33°30'56"W
L8	82.57	S53°18'53"W
L9	153.83	S51°00'53"W
L10	250.35	S75°06'53"W
L11	113.44	S79°35'53"W
L12	14.39	N78°13'35"W
L13	90.04	N77°33'04"W
L14	42.52	N77°12'20"W
L15	53.05	N77°44'22"W
L16	50.00	N12°15'38"E
L17	62.24	N81°26'05"W
L18	184.21	N77°48'48"W

ZONING CRITERIA

ZONING DISTRICT	RA
MINIMUM LOT AREA	65,000 SQ. FT.
MINIMUM LOT FRONTAGE	200'
MINIMUM FRONT YARD SETBACK	40'
MINIMUM SIDE YARD SETBACK	25'
MINIMUM REAR YARD SETBACK	40'
MAXIMUM BUILDING COVERAGE	25%
MAXIMUM BUILDING HEIGHT	35'

BOUNDARY SURVEY PLAN

General Site Information:

1. APPLICANT INFORMATION: GDM 1-3 LLC
3760 QUAKER LANE
NORTH KINGSTOWN, RHODE ISLAND 02852

2. OWNER INFORMATION: RALPH F. & MURIEL J. FERRA
1081 IRON MINE HILL ROAD
NORTH SMITHFIELD, RHODE ISLAND 02896

AP 12, LOTS 136B & 137
KHAN FARIDOGH TRUST
5 KENNEDY BOULEVARD
LINCOLN, RHODE ISLAND 02865

3. SITE INFORMATION: 1081 IRON MINE HILL ROAD
NORTH SMITHFIELD, RHODE ISLAND 02896
ASSESSOR'S PLAT 12, LOTS 136B & 137
ASSESSOR'S PLAT 13, LOTS 12 & 51
ASSESSOR'S PLAT 16, LOTS 6 & 97
ASSESSOR'S PLAT 17, LOT 175
TOTAL AREA= 425.53± ACRES
ZONE RA (RURAL AGRICULTURE)

4. WETLANDS WERE DELINEATED ON SITE BY MASON & ASSOCIATES, INC., 771 PLAINFIELD PIKE, NORTH SCITUATE, RI 02857 ON MARCH 27 & 30, 2018 AND APRIL 6, 10 & 14, 2018.

5. EXISTING CONDITIONS WITHIN THE PROPERTY WERE DETERMINED BY ONLINE INFORMATION, AERIAL MAPPING AND THE RIGIS DATABASE. WETLAND EDGES WERE VERIFIED BY RIDEM UNDER APPLICATION NO. 18-0237.

6. TOPOGRAPHY SHOWN ON THE PLAN IS AERIAL MAPPING AND WAS OBTAINED BY AEROTECH.

General Site Information (Continued):

7. THIS PLAN IS IN ACCORDANCE WITH A CLASS IV STANDARD BOUNDARY LINE AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE. ONLINE INFORMATION FROM RECORDED DATA AND EXISTING MAPS FROM THE TOWN AND STATE, AND RIGIS DATABASE WAS USED TO COMPILE THIS PLAN. DUE TO THE ACCURACY LIMITS OF SURVEY MAPS AND DATA, THIS PLAN IS TO BE CONSIDERED APPROXIMATE UNLESS SPECIFIED THAT ACTUAL FIELD SURVEY AND DEED RESEARCH HAS BEEN CONDUCTED.

FOR BEST CLARITY, THIS SHEET SHOULD BE REPRODUCED IN COLOR ONLY.

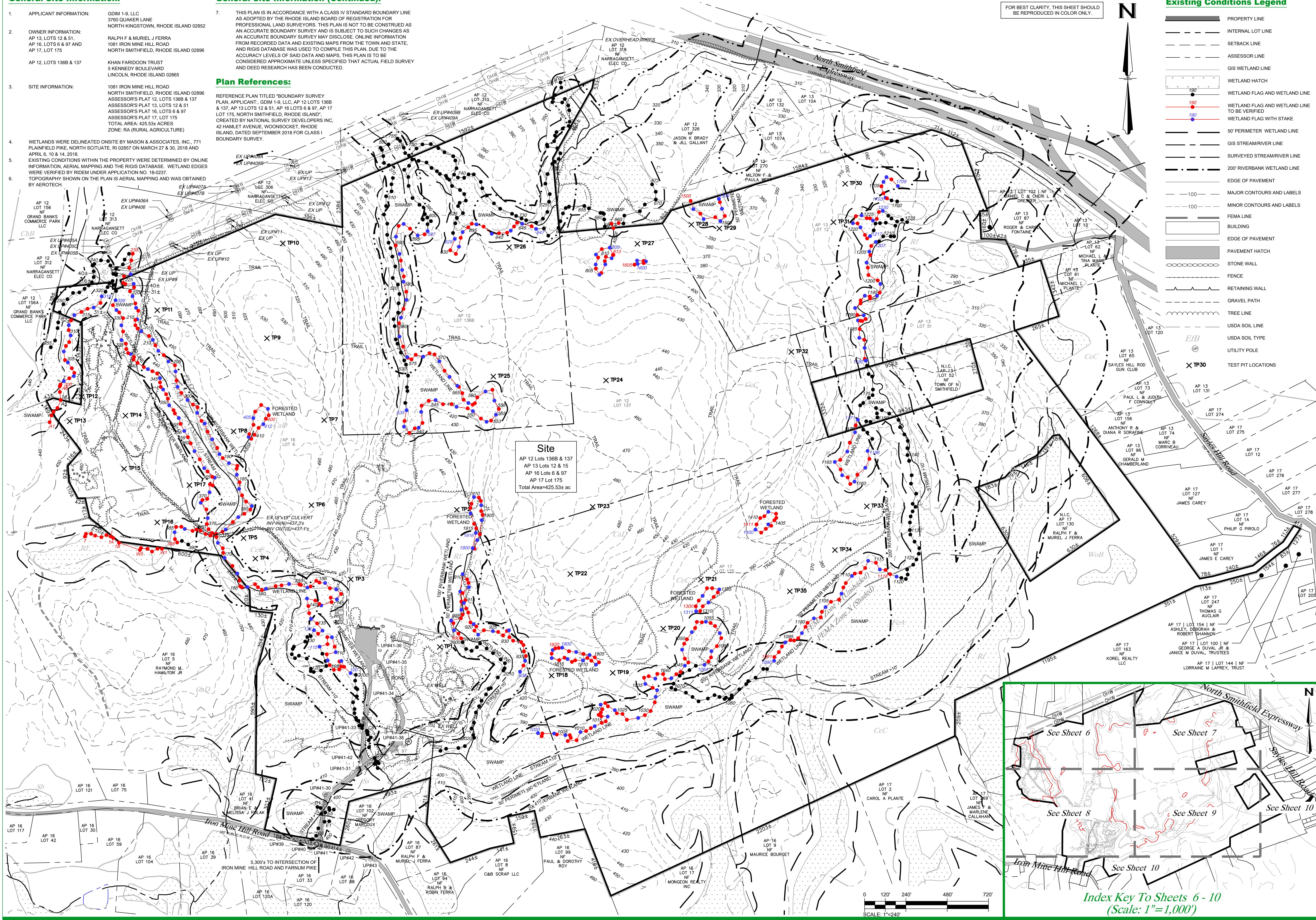
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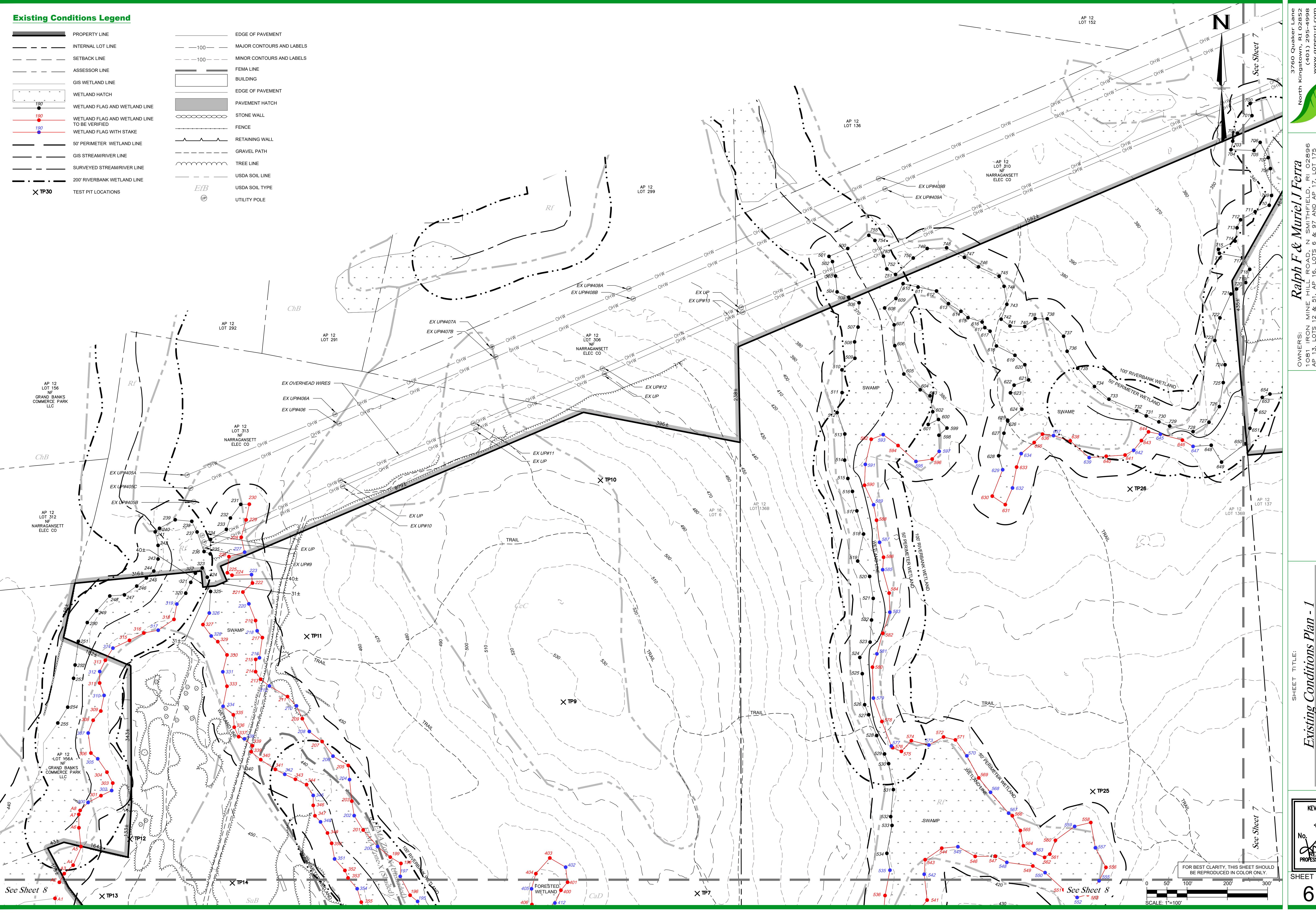
Existing Conditions Legend

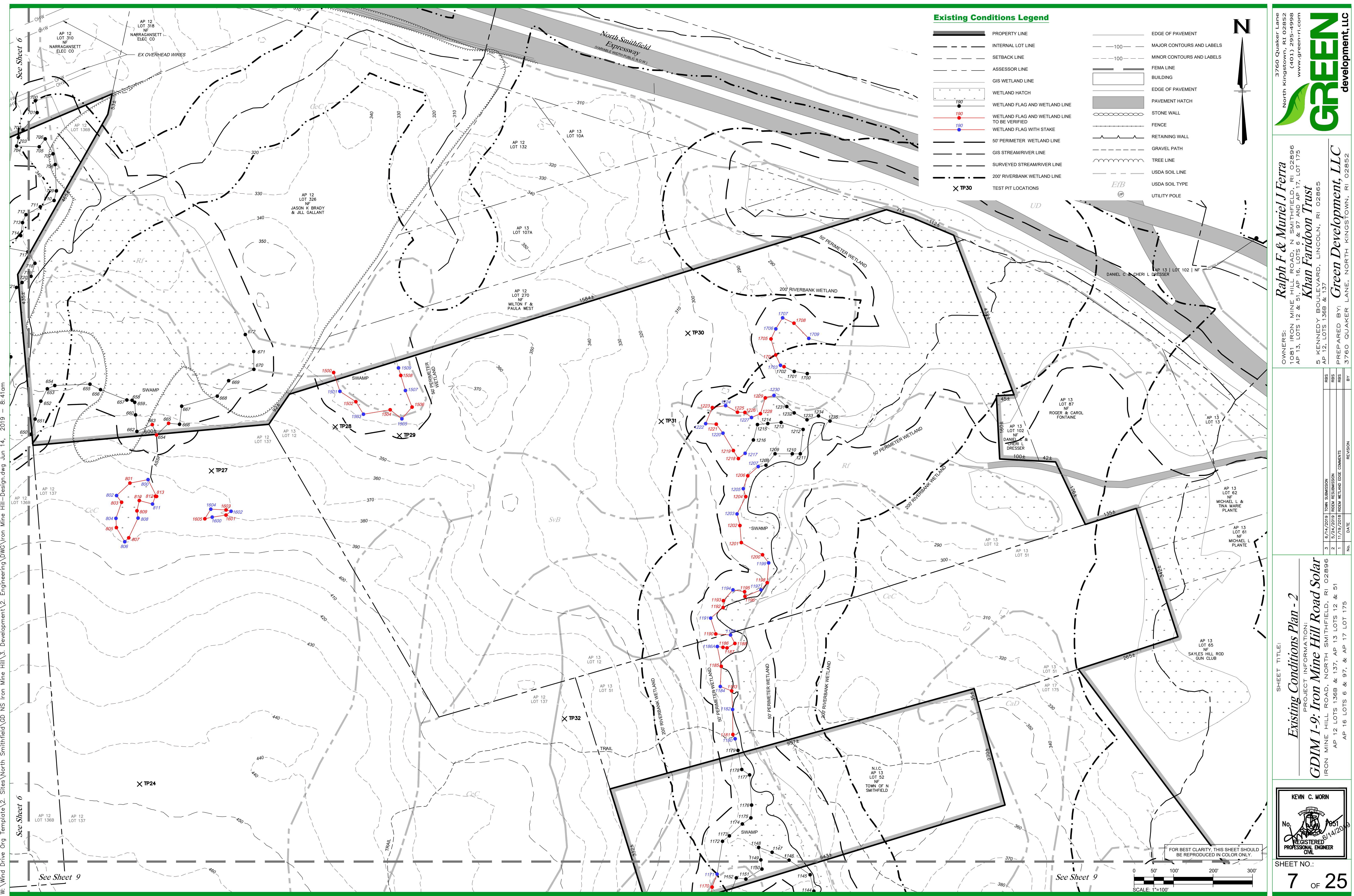
- PROPERTY LINE
- INTERNAL LOT LINE
- SETBACK LINE
- ASSESSOR LINE
- GIS WETLAND LINE
- WETLAND HATCH
- WETLAND FLAG AND WETLAND LINE
- WETLAND FLAG AND WETLAND LINE TO BE VERIFIED
- WETLAND FLAG WITH STAKE
- 50' PERIMETER WETLAND LINE
- GIS STREAM/RIVER LINE
- SURVEYED STREAM/RIVER LINE
- 200' RIVERBANK WETLAND LINE
- EDGE OF PAVEMENT
- MAJOR CONTOURS AND LABELS
- MINOR CONTOURS AND LABELS
- FEMA LINE
- BUILDING
- EDGE OF PAVEMENT
- PAVEMENT HATCH
- STONE WALL
- FENCE
- RETAINING WALL
- GRAVEL PATH
- TREE LINE
- USDA SOIL LINE
- USDA SOIL TYPE
- UTILITY POLE
- TEST PIT LOCATIONS

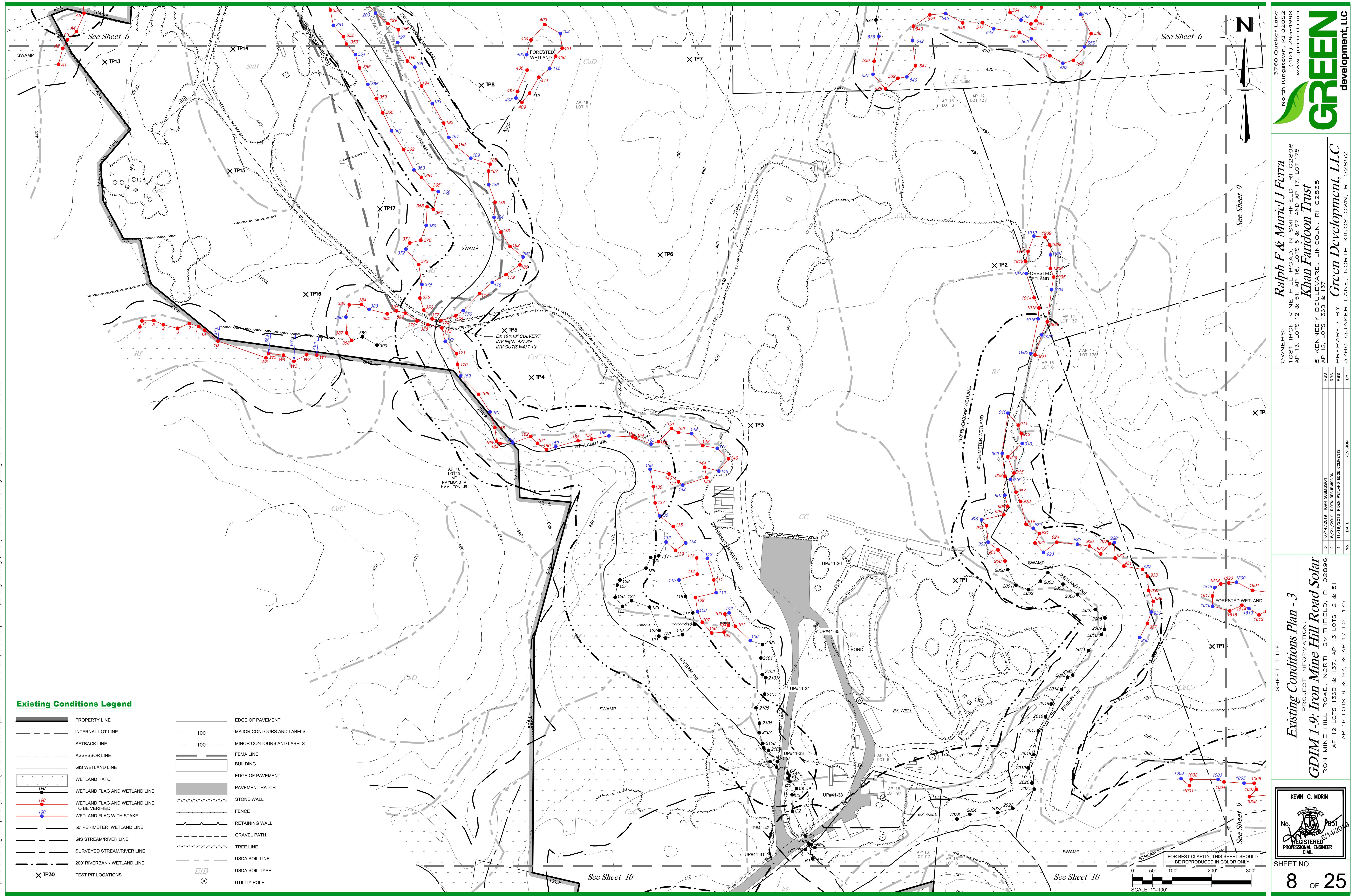


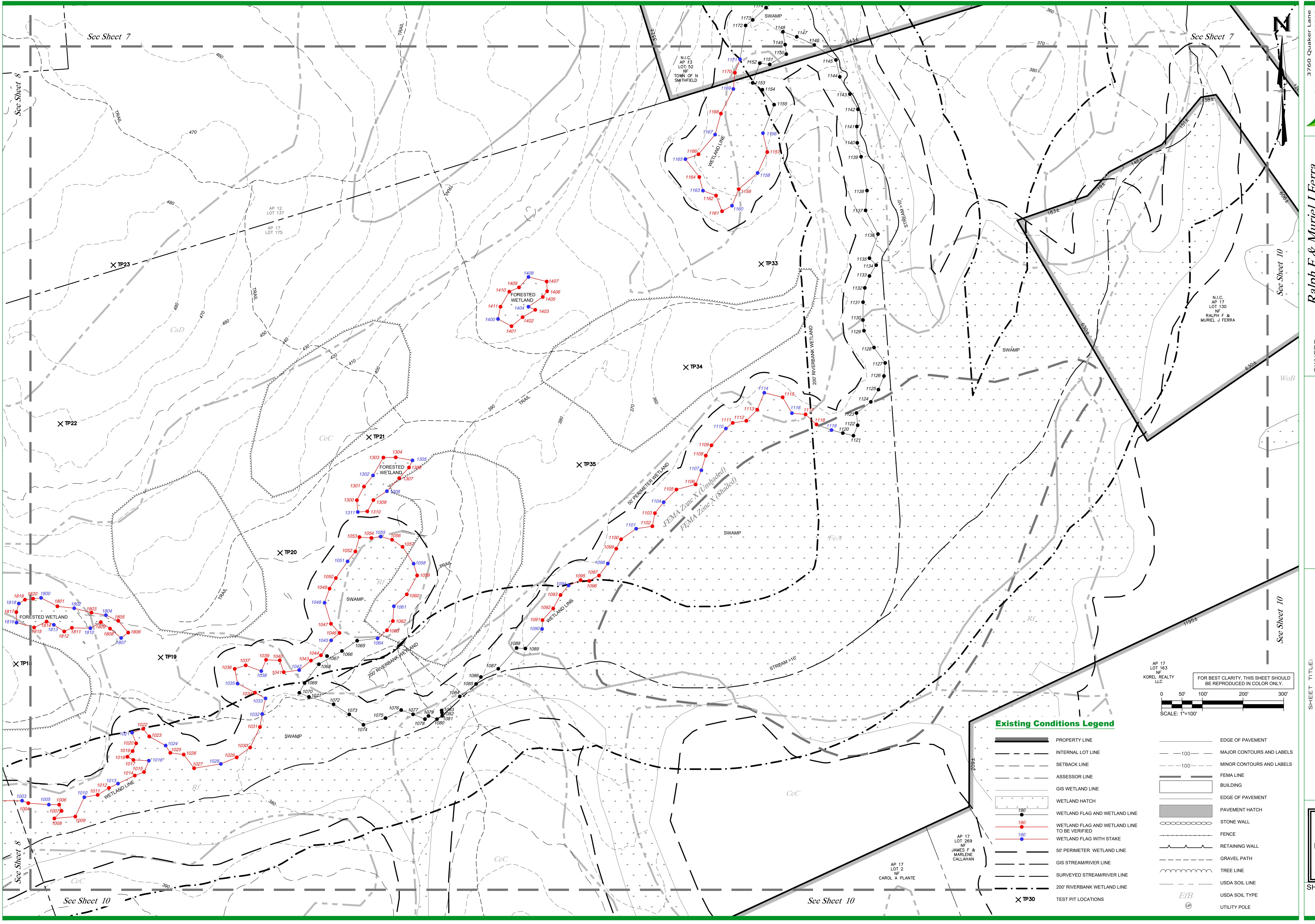
Ralph F & Muriel J Ferra
OWNER: 1081 IRON MINE HILL ROAD, N. SMITHFIELD, RI 02896
AP 12, LOTS 136B & 137
Green Development, LLC
PREPARED BY: 5. KENNEDY BOULEVARD, LINCOLN, RI 02865
AP 12, LOTS 136B & 137
Khan Fandoum Trust
AP 12, LOTS 136B & 137

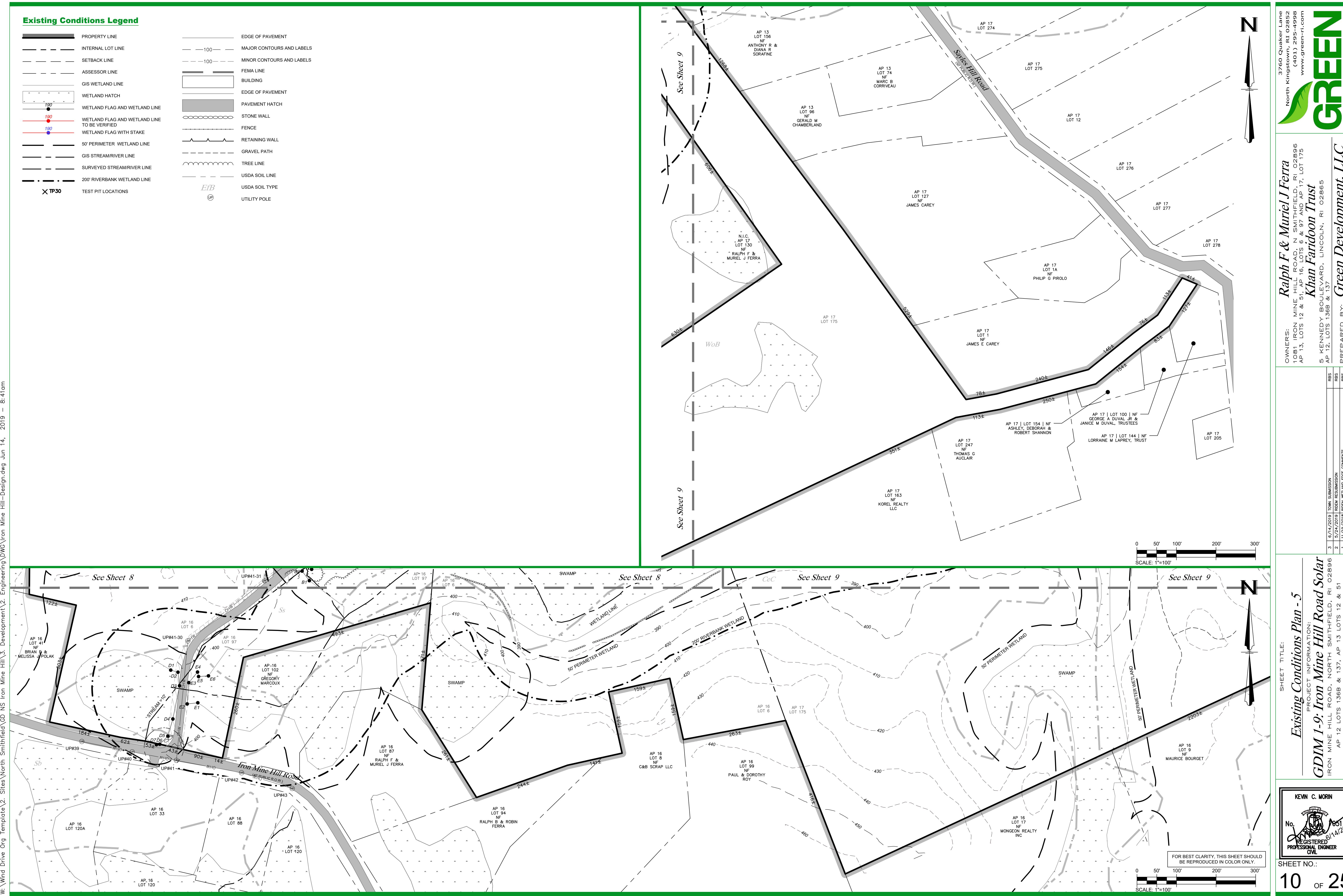


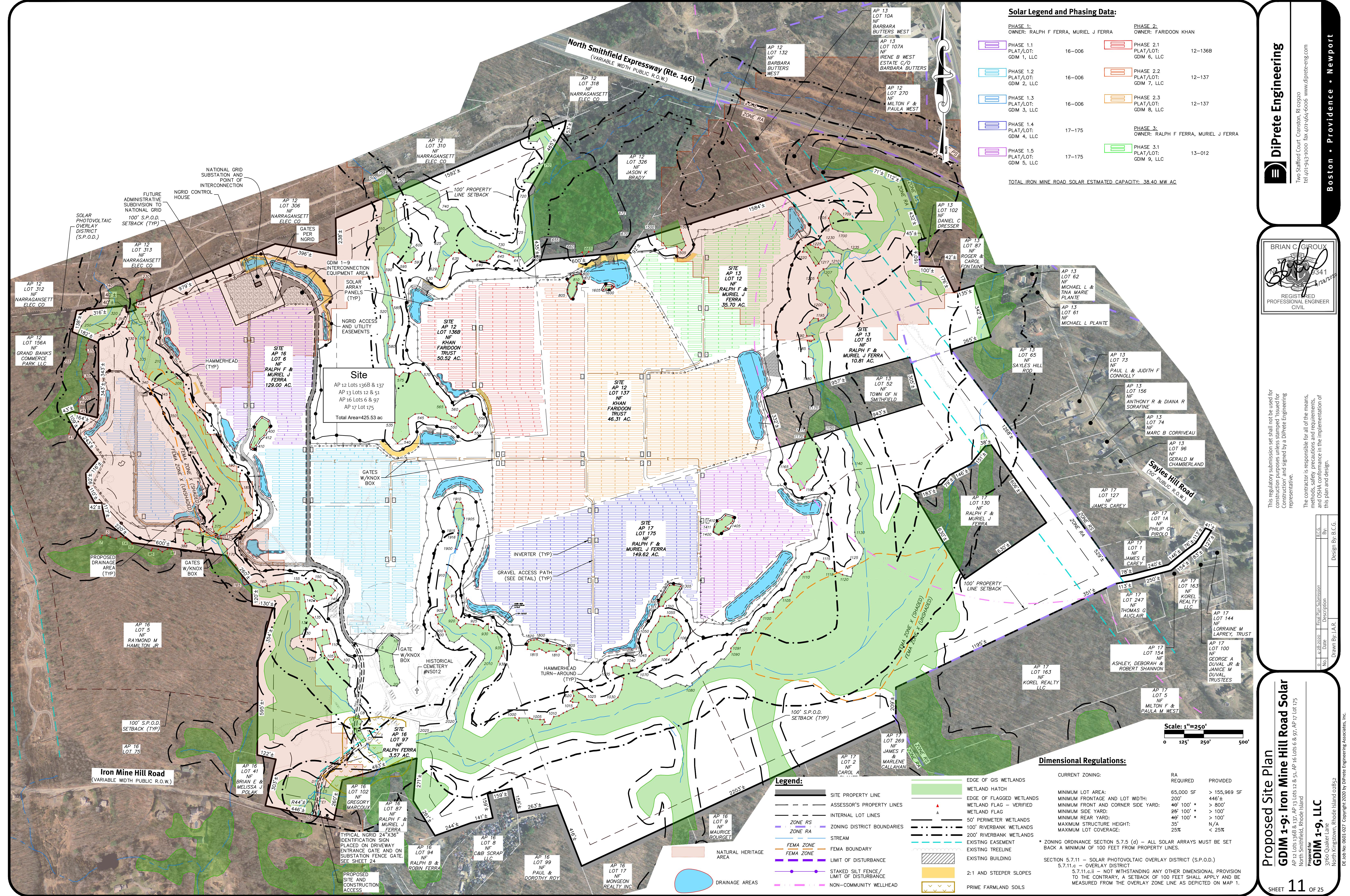










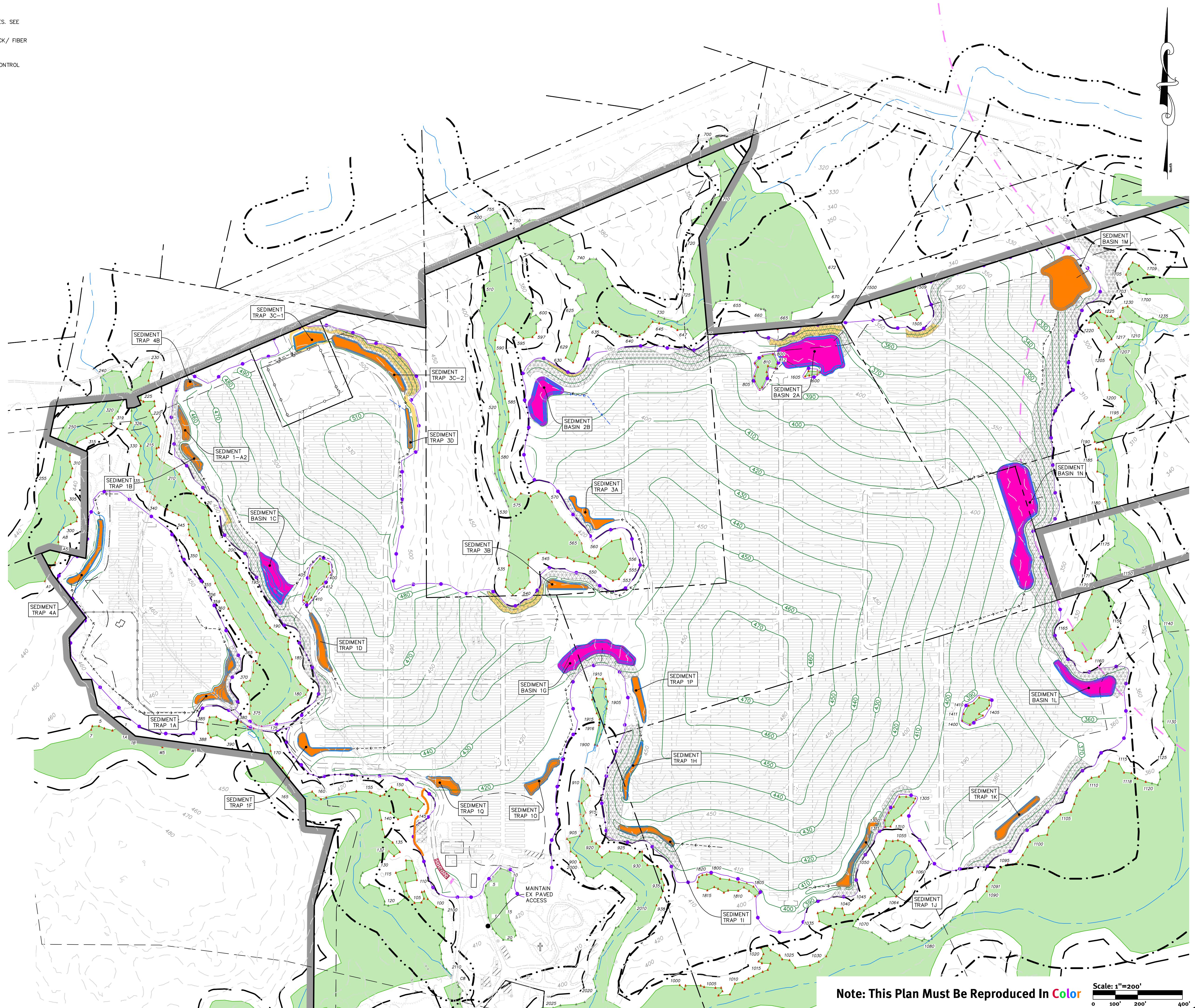


General Notes:

1. CONTRACTOR MUST INSTALL FILTER BERMS ALONG PROPOSED SLOPES. SEE DETAIL ON SHEET 21.
2. CONTRACTOR MUST INSTALL DOUBLE ROWS OF COMPOST FILTER SOCK/ FIBER ROLL WITH MAXIMUM 20' SEPARATION AT TOE OF SLOPE WHERE NO SEDIMENT TRAP OR BASIN IS PROVIDED.
3. SEE SESCP FOR CONSTRUCTION PHASING AND SOIL EROSION CONTROL IMPLEMENTATION PHASING.

Soil Erosion Control Legend:

DIVERSION RUNOFF CONVEYANCE MEASURE (SWALE AND/OR BERM)	→ → → → →
INITIAL DIVERSION RUNOFF CONVEYANCE MEASURE (EXISTING GRADE SWALE AND/OR BERM)	→ → → →
SEDIMENT CONTROL WATERSHED AREAS	Green Shaded Areas
TEMPORARY SEDIMENT BASIN	Orange Shaded Areas
TEMPORARY SEDIMENT TRAP	Yellow Shaded Areas
LIMIT OF DISTURBANCE (NO EROSION CONTROL)	Dashed Line
LIMIT OF DISTURBANCE/ LIMIT OF CLEARING (W/ EROSION CONTROL)	Black Line
SEDIMENTATION BARRIER, STAKED SILT FENCE (RIDOT STD 9.2.0), COMPOST STOCK OR APPROVED EQUAL	Black Line with Hatching
CONSTRUCTION ENTRANCE (RIDOT STD 9.9.0)	Green Line
PR CONTOUR	Green Line with Number
3:1 SLOPES REQUIRING TEMPORARY SLOPE PROTECTION	Yellow Hatched Area
2:1 AND STEEPER SLOPES WITH SLOPE PROTECTION	Green Hatched Area
WETLAND HATCH	Light Green Hatched Area



Note: This Plan Must Be Reproduced In Color

Scale: 1"=200'

Overall SESCP Plan
GDIM 1-9: Iron Mine Hill Road Solar

AP 12 lots 136B & 137, AP 13 lots 12 & 51, AP 16 Lots 6 & 97, AP 17, lot 17
3766 Quaker Lane
North Smithfield, Rhode Island 02852
Project for
GDIM 1-9, LLC
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BRIAN C. GIROUX
P.E. #341
REGISTERED
PROFESSIONAL
ENGINEER
CIVIL

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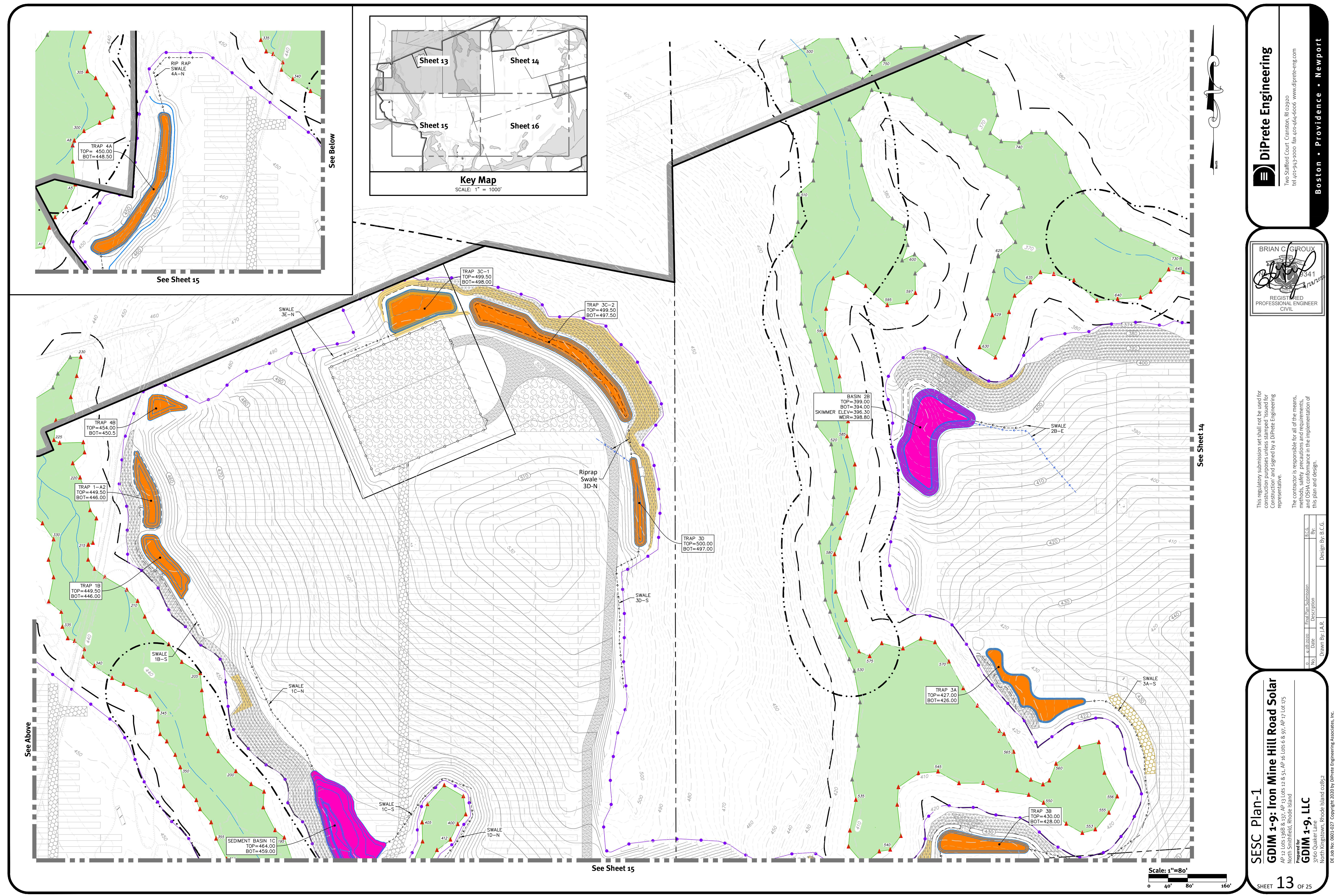
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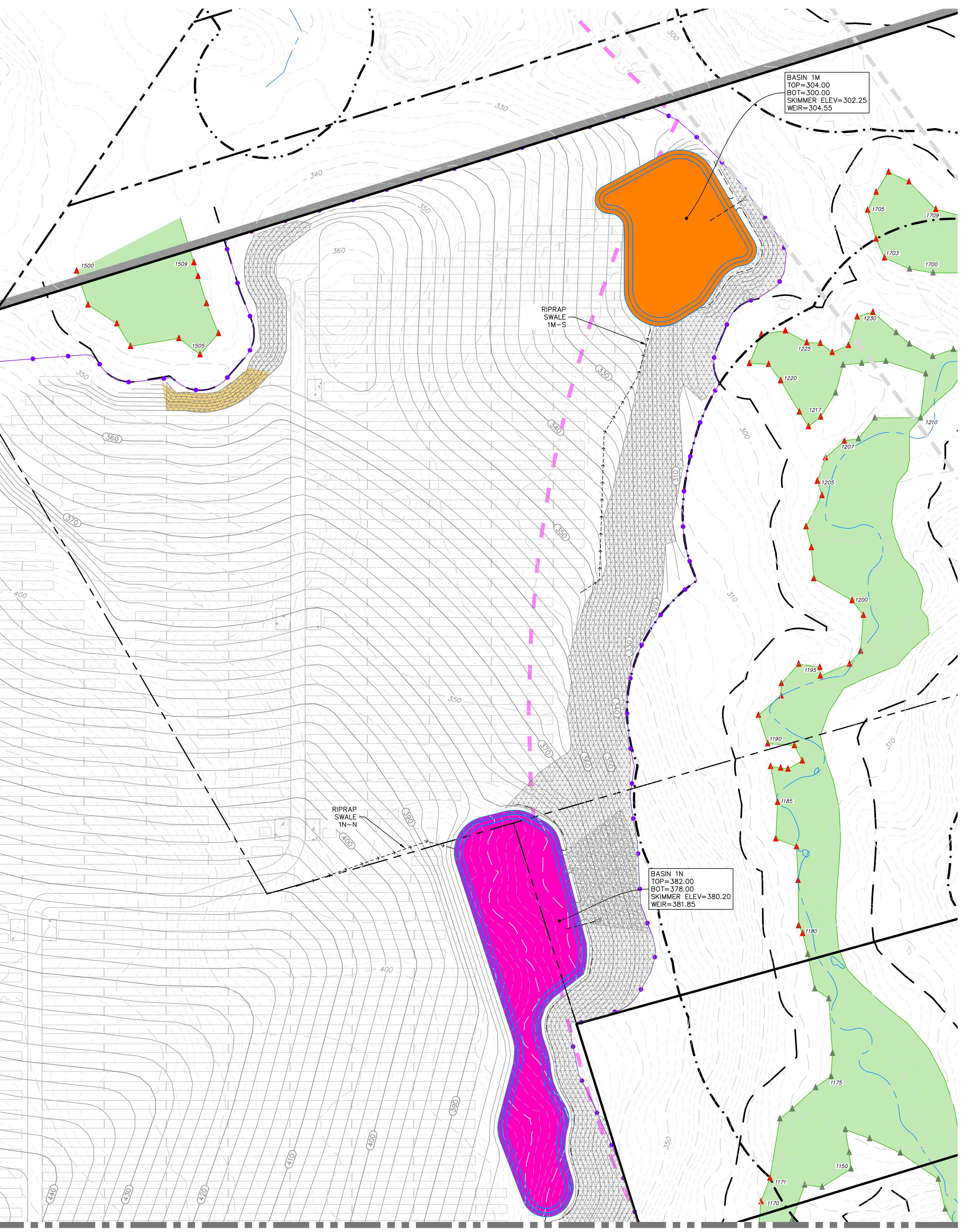
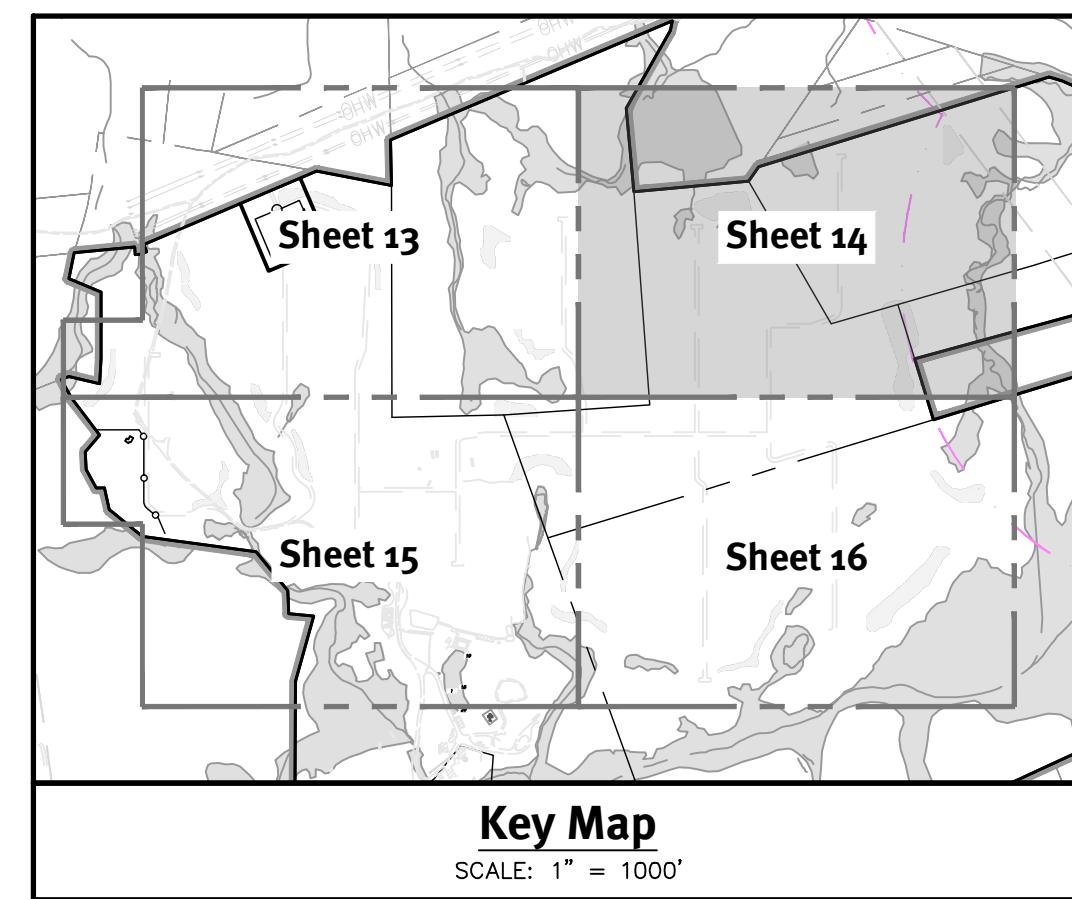
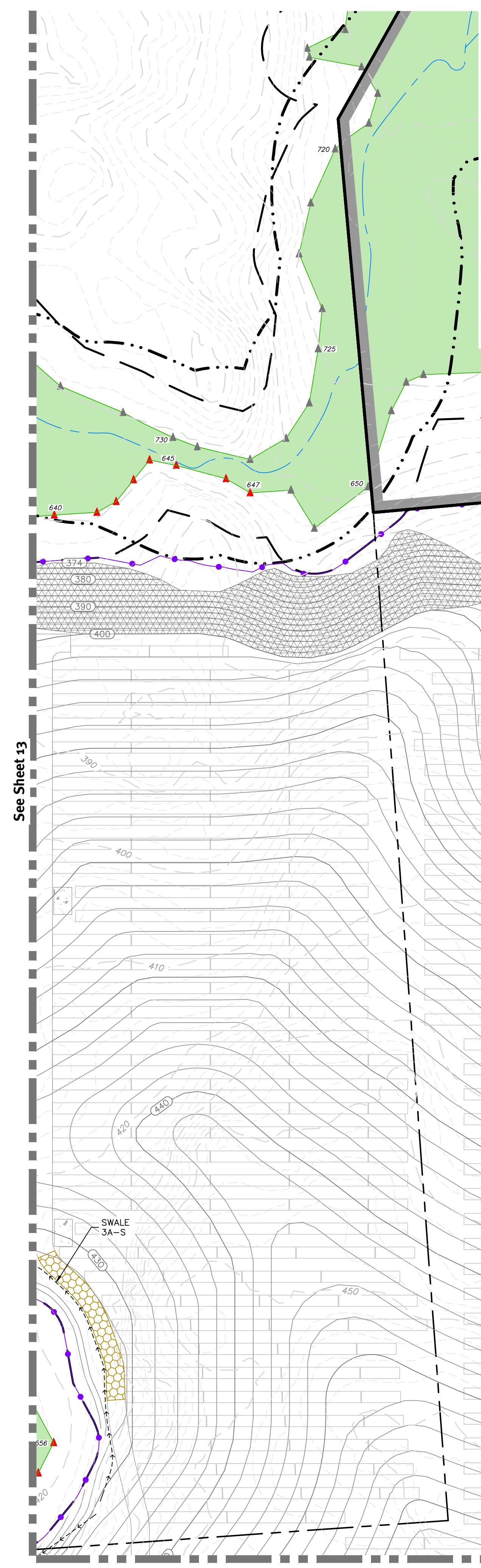
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SESC Plan-2
GDIM 1-9, LLC
 AP 12 lots 13B & 13C AP 13 lots 12 & 51 AP 16 Lots 6 & 97 AP 17 lots 175
 Project for
GDIM 1-9, LLC
 3766 Quaker Lane
 North Kingstown, Rhode Island 02852
 DE Job No. 0601-027 Copyright 2020 by DiPrete Engineering Associates, Inc.

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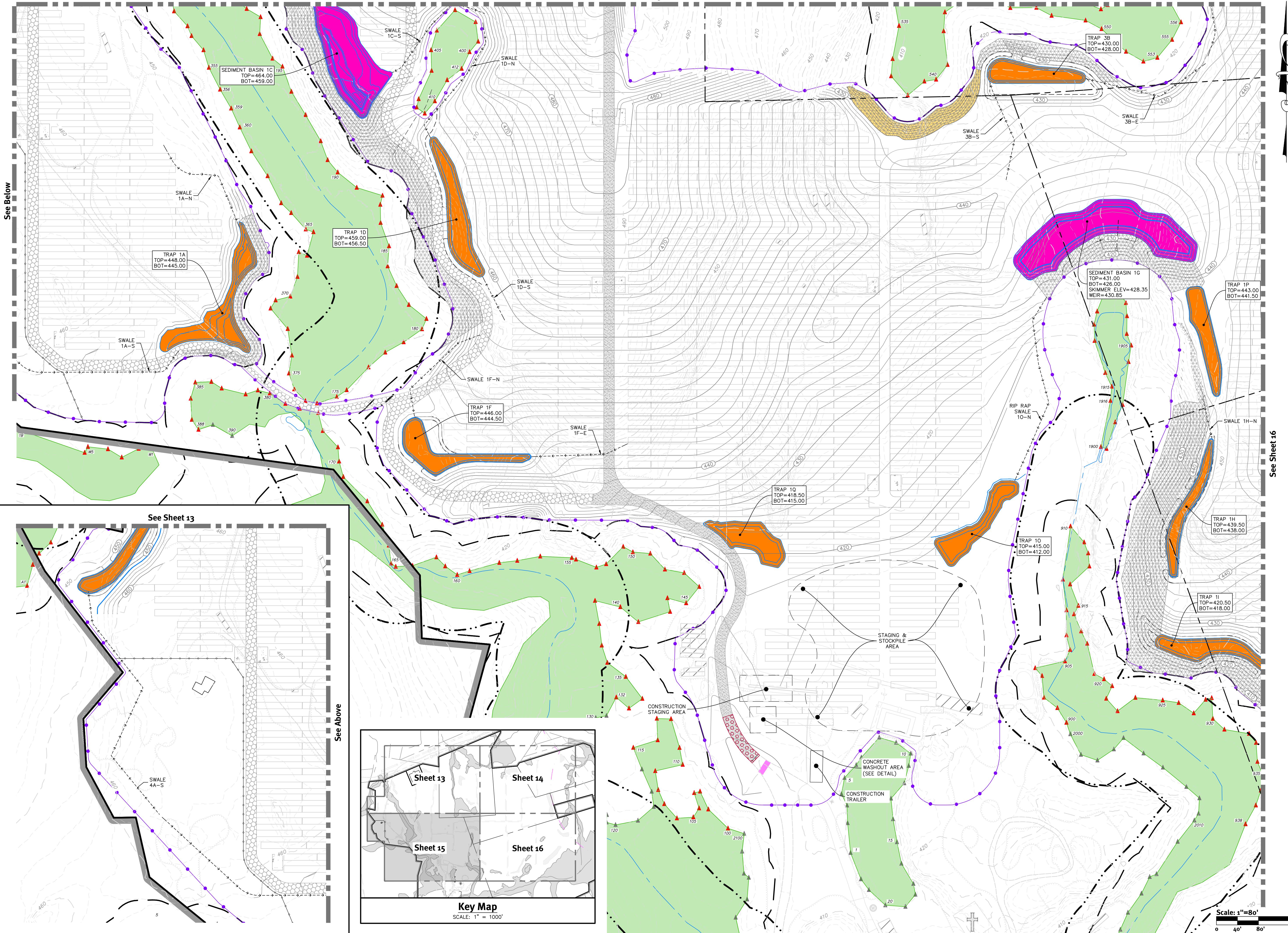
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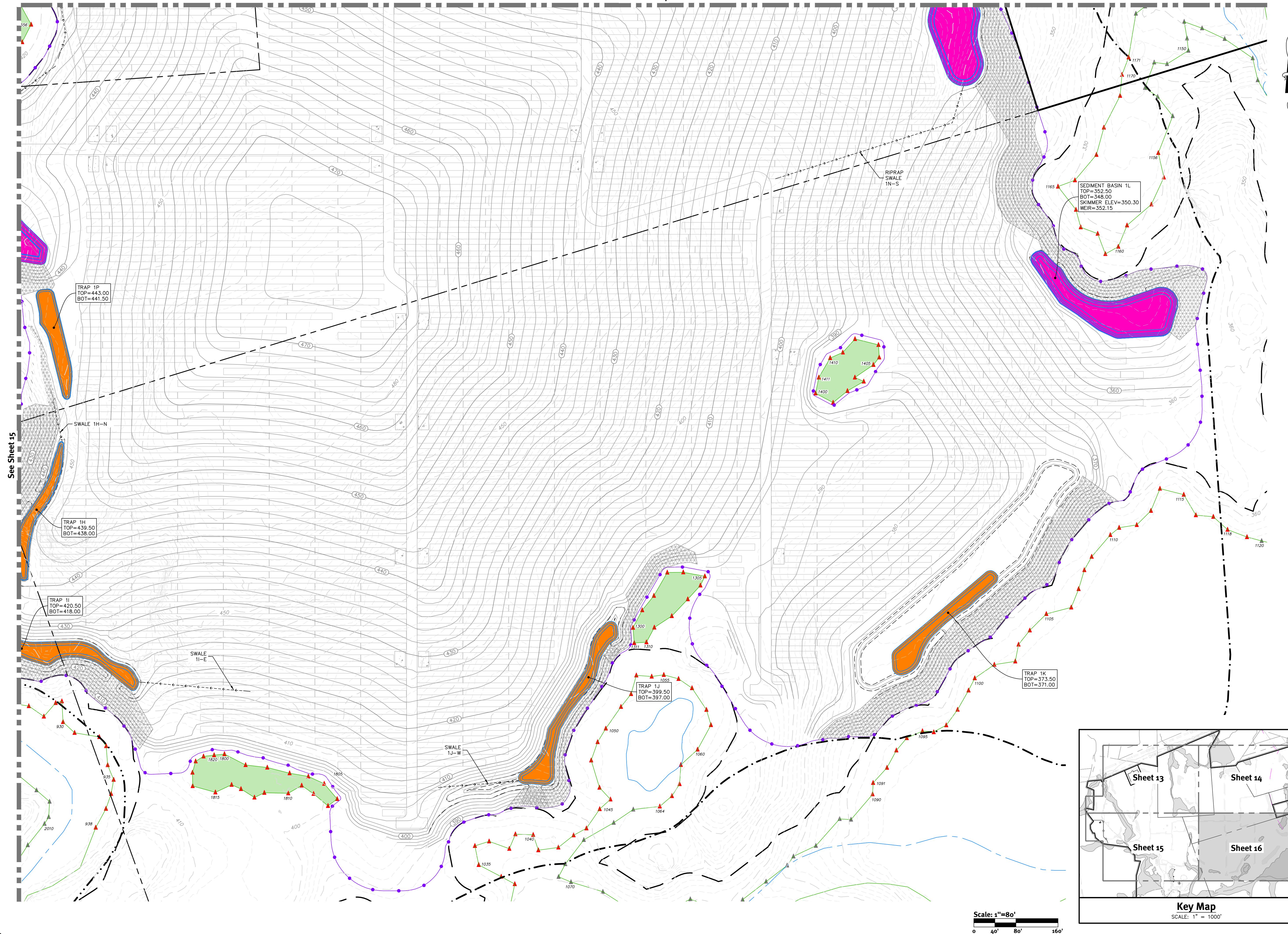




SESC Plan-3
GDIM 1-9, LLC
AP 12 lots 13B & 13C, AP 13 lots 12 & 51, AP 16 Lots 6 & 97, AP 17, lot 175
3766 Quaker Lane
North Smithfield, Rhode Island 02852
Project for
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3766 Quaker Lane
North Smithfield, Rhode Island 02852
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SESC Plan-4

GDIM 1-9: Iron I

AP 12 Lots 136B & 137, AP 13 Lots 12

SESC Plan-4

GDIM 1-9: Iron Mine Hill Road Solar

AP 12 Lots 136B & 137, AP 13 Lots 12 & 51, AP 16 Lots 6 & 97, AP 17 Lot 175

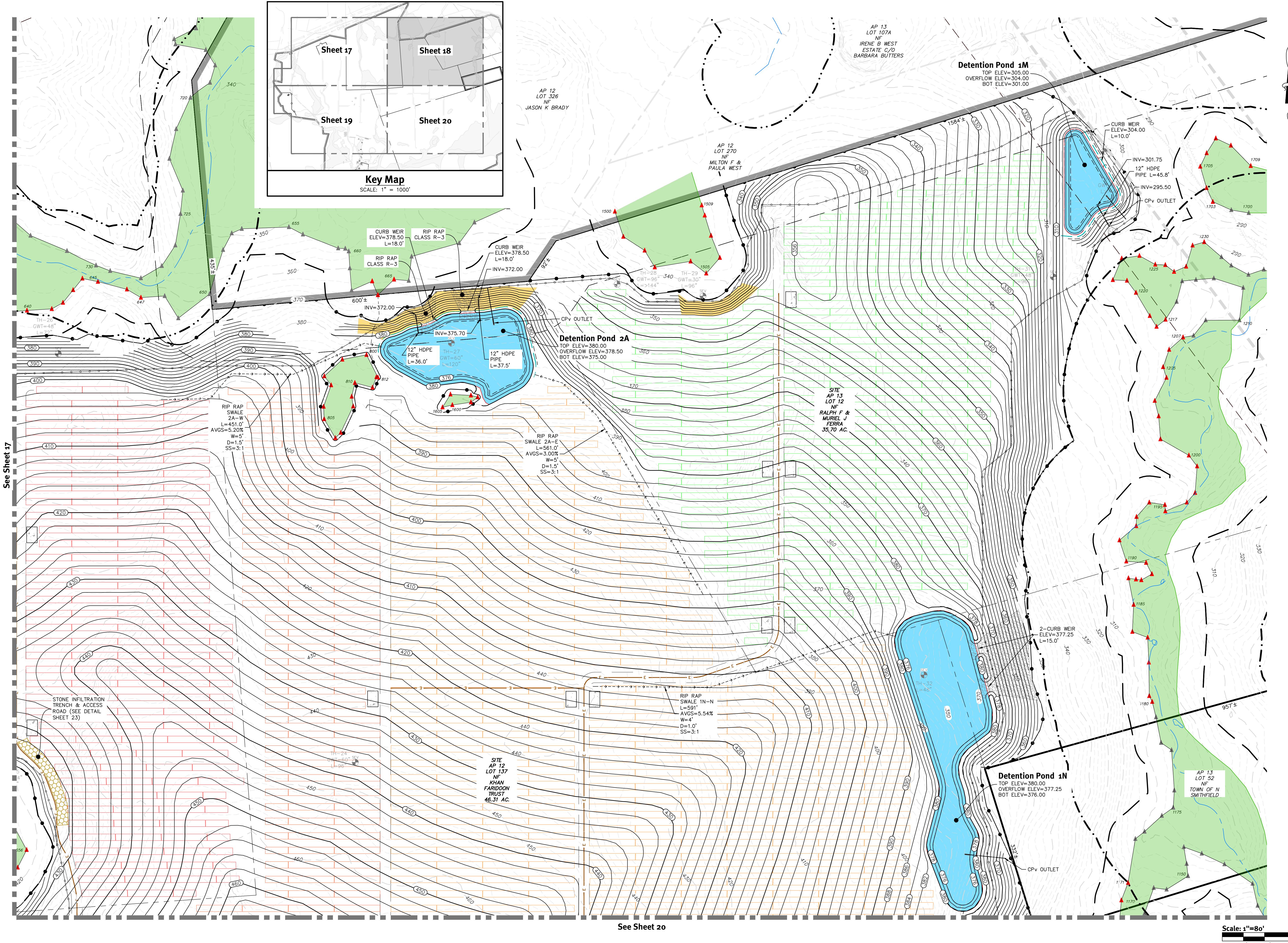
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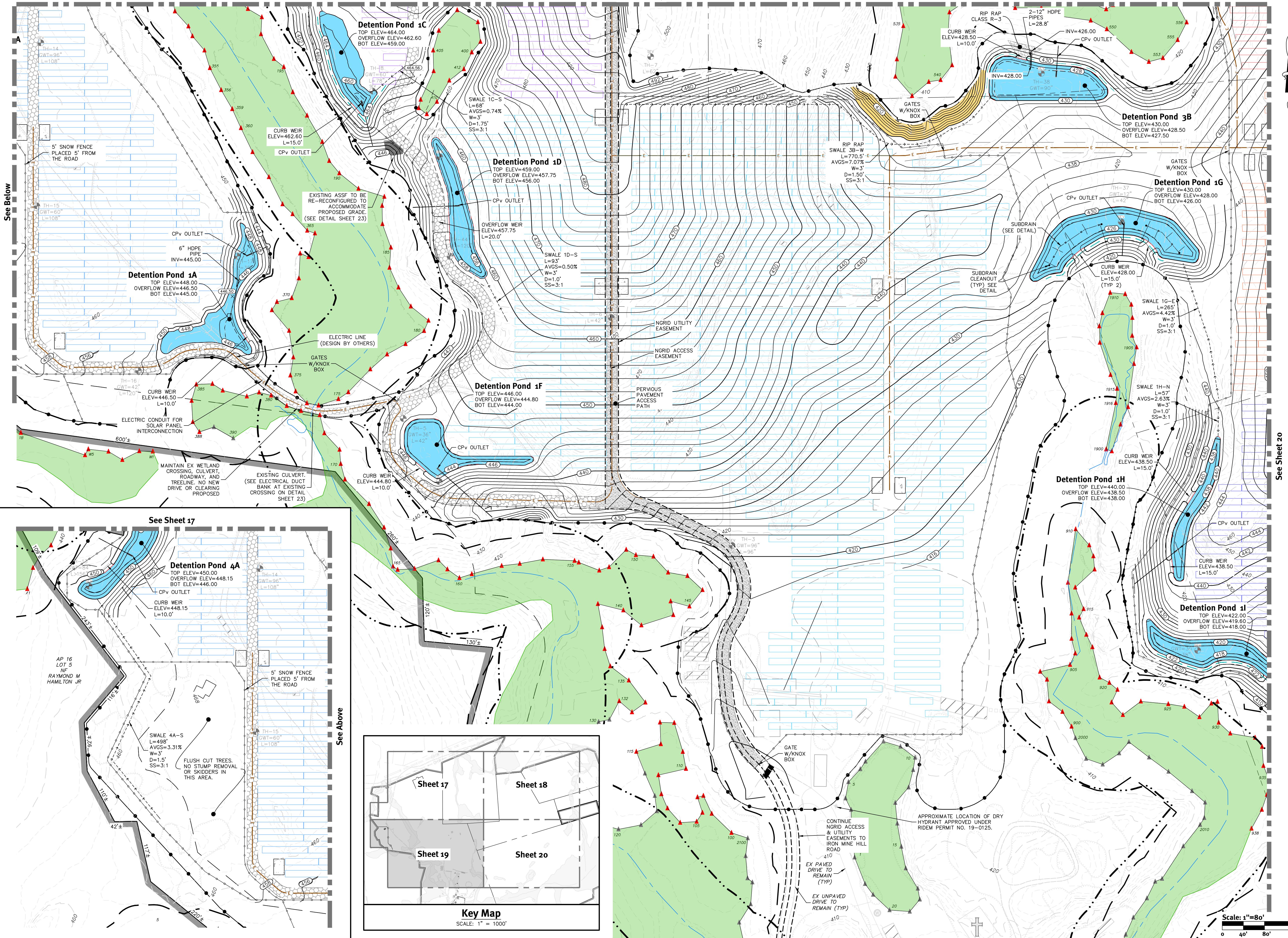
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GDIM 1-9: Iron Mine Hill Road Solar

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Grading Plan-3

GDIM 1-9: Iron Mine Hill Road Solar

AP 12 Lots 136B & 137, AP 13 Lots 12 & 51, AP 16 Lots 6 & 97, AP 17 Lot 175
North Smithfield Rhode Island

Grading Plan-3

GDIM 1-9: Iron Mine Hill Road Solar

AP 12 Lots 136B & 137, AP 13 Lots 12 & 51, AP 16 Lots 6 & 97, AP 17 Lot 175
North Smithfield Rhode Island

Grading Plan

GDIM 1-9: Iron

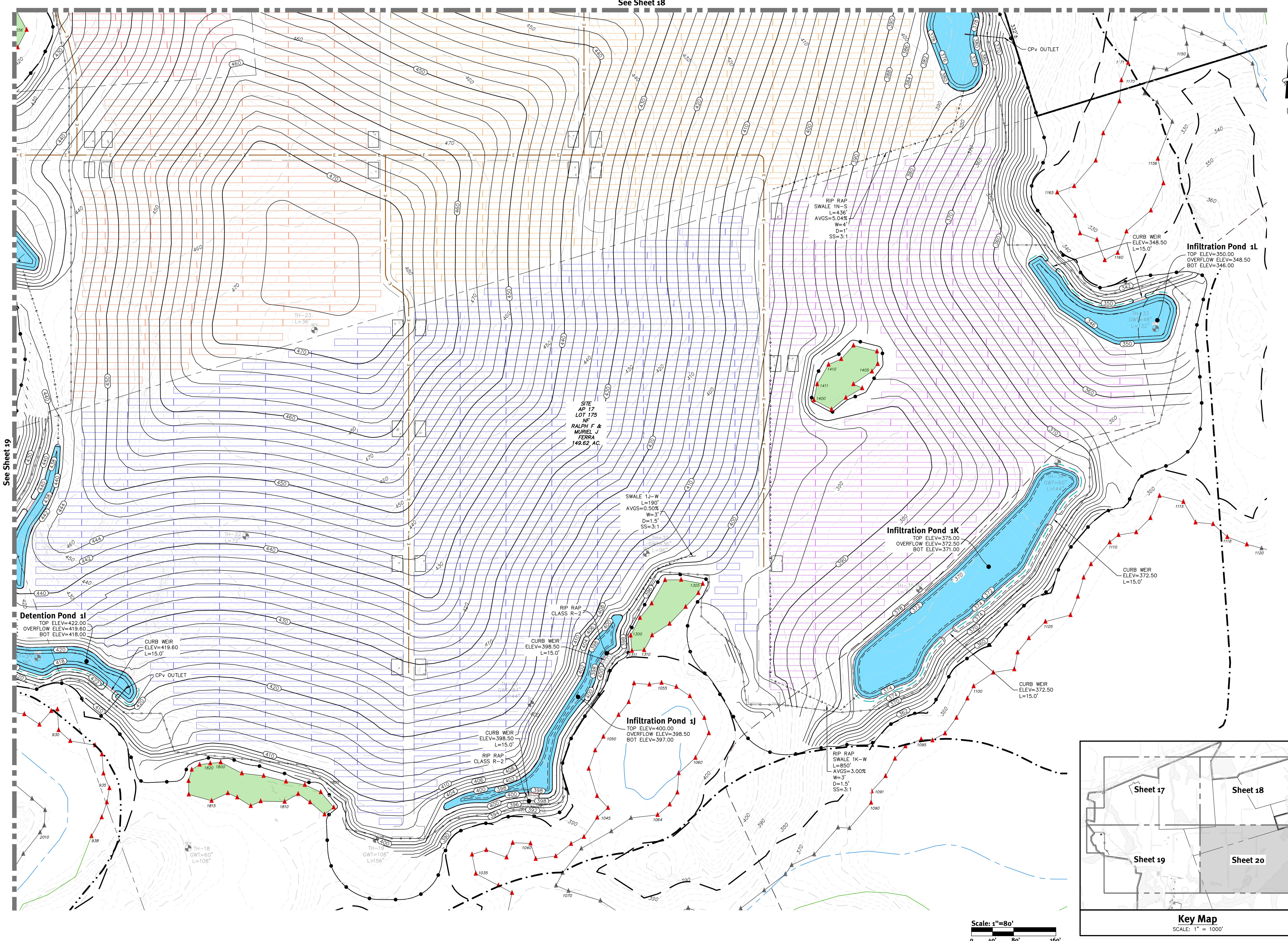
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9 OF 25

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3760 Quaker Lane
North Kingstown, Rhode Island 02852
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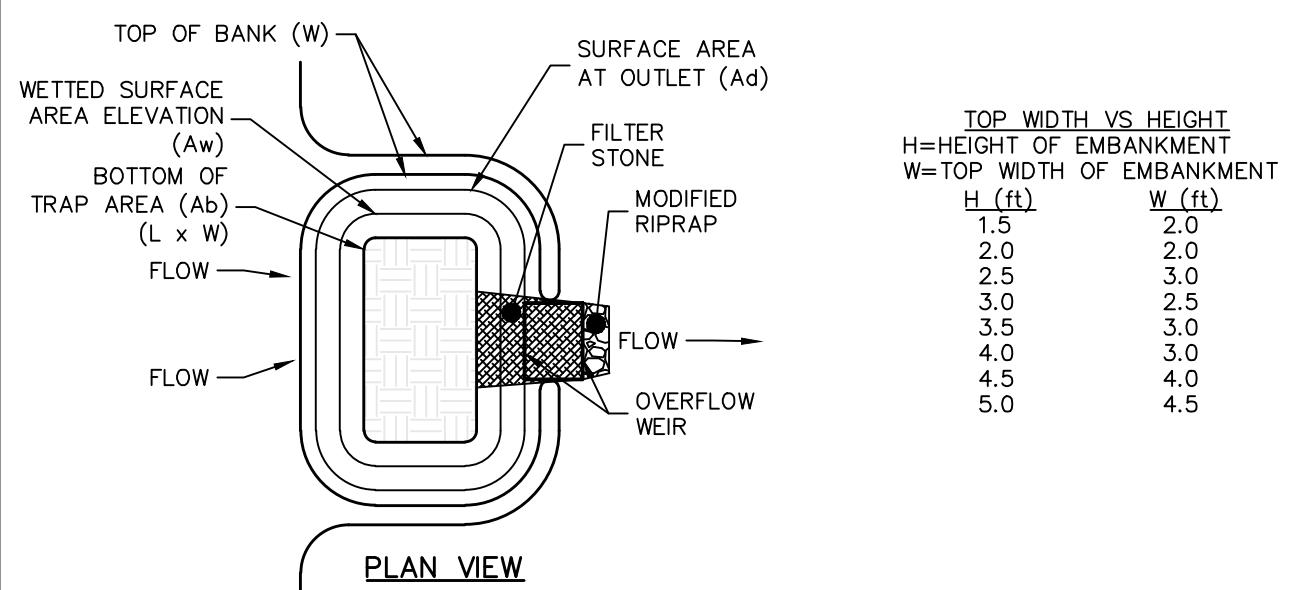
AP 12 Lots 136B & 137, AP 13 Lots 12 & 51, AP 16 Lots 6 & 97, AP 17 Lots 15
North Smithfield, Rhode Island

Prepared for

1

SHEET 20 OF 25

SEDIMENT TRAP DIMENSIONS	TRAP 1A	TRAP 1A-2	TRAP 1B	TRAP 1D	TRAP 1F	TRAP 1H	TRAP1I	TRAP 1J	TRAP 1K	TRAP 1O	TRAP 1P	TRAP 1Q	TRAP 3A	TRAP 3B	TRAP 3C-1	TRAP 3C-2	TRAP 3D	TRAP 4A	TRAP 4B
TRIBUTARY DRAINAGE AREA (Ac)	4.301	3.02	3.401	4.226	2.534	1.236	3.930	4.449	4.016	4.226	1.548	4.666	1.512	2.397	2.460	3.276	2.253	2.572	1.317
WET STORAGE DEPTH (Dw)(ft)	2.00	2.00	2.00	1.50	1.00	1.00	1.50	1.50	1.50	2.00	1.00	2.00	0.50	1.00	1.00	1.00	2.00	1.00	2.00
DRY STORAGE DEPTH (Dd)(ft)	1.00	1.50	1.50	1.00	0.50	0.5	1	1.00	1.00	1.00	1.00	1.50	0.50	1.00	1.00	1.00	1.00	0.50	1.50
TOTAL DEPTH (D)(ft)	3.00	3.50	3.50	2.50	1.50	1.50	2.50	2.50	2.50	3.00	1.50	3.50	1.00	2.00	2.00	3.00	1.50	3.50	
BOTTOM OF TRAP AREA (Ab)(sf)	1,778	1,506	1,772	5,229	5,127	4,042	3,980	3,720	4,129	3,073	4,469	3,764	6,089	4,067	10,812	5,576	643	5,564	715
WETTED SURFACE AREA(Aw)(sf)	7,240	3,255	3,673	7,787	6,914	4,885	6,506	7,070	6,622	5,828	5,809	5,904	6,945	5,243	13,395	7,113	2,727	7,702	1,690
SURFACE AREA AT OUTLET (Ad)(sf)	11,357	4,797	5,192	9,563	7,828	5,743	8,260	9,374	8,354	7,293	6,500	7,086	7,814	6,475	16,034	8,709	3,875	8,792	2,627
MAX TRIBUTARY AREA	5.00	3.02	3.40	5.00	3.20	2.25	4.50	5.00	4.65	5.00	2.70	5.00	1.60	2.45	5.00	3.28	2.55	3.60	1.55

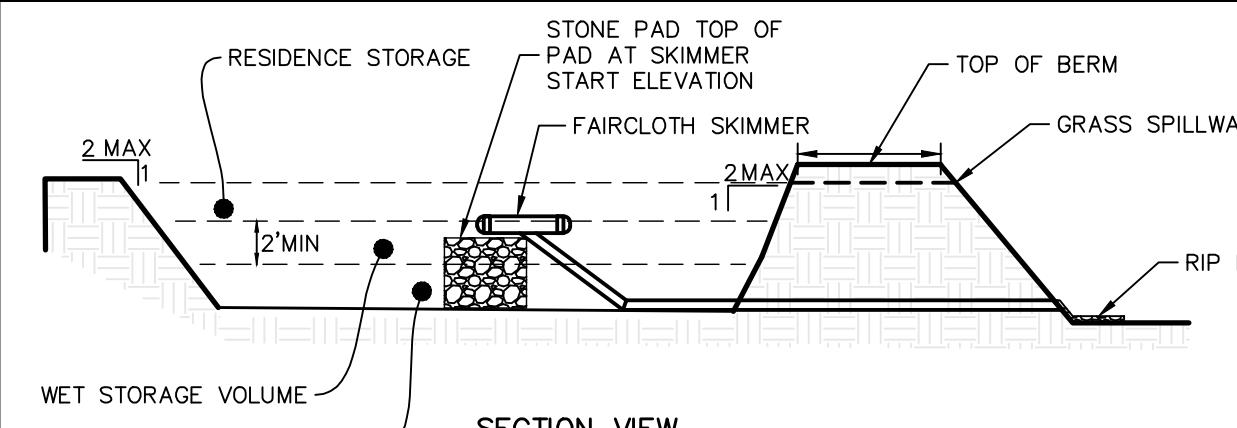


Sediment Trap Notes:

1. THE TEMPORARY SEDIMENT TRAPS SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES.
2. THE TEMPORARY SEDIMENT TRAP SHALL HAVE AN INITIAL STORAGE VOLUME OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES SHALL NOT EXCEED 1.5:1.
4. THE OUTLET SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
5. THE OUTLET CONSISTS OF A PERVERSUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
7. MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET.
8. SIDE SLOPES OF THE EMBANKMENT SHALL BE 2:1 OR FLATTER.
9. MODIFIED RIPRAP: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.
10. FILTER STONE: SHALL MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE I, COLUMN V FILTER STONE.

Temporary Sediment Trap Details

NOT TO SCALE



General Notes:

1. THE TEMPORARY SEDIMENT BASIN SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT BASIN OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES.
2. TEMPORARY SEDIMENTATION BASINS SHALL USE THE FAIRCLOTH SKIMMER OR APPROVED EQUAL FOR DETERMINING. CONTRACTOR SHALL INSTALL A SKIMMER THAT PROVIDES A RELEASE RATE APPROXIMATELY EQUAL TO BUT NO GREATER THAN THE VALUE PROVIDED IN THE TABLE BELOW.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES SHALL NOT EXCEED 1.5:1.
4. THE OUTLET SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET. CONTRACTOR SHALL INSTALL BAFFLES AS NECESSARY TO PROVIDE AN EFFECTIVE FLOW LENGTH THAT IS AT LEAST TWO TIMES THE EFFECTIVE WIDTH OF THE BASIN. SEE SECTION SIX OF THE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK FOR MORE INFORMATION.
5. CONTOURS SHOWN ON THIS PLAN AS TEMPORARY STORAGE MAY BE FIELD MODIFIED AS NECESSARY WITH APPROVAL OF DESIGN ENGINEER. CONTOURS REPRESENT MINIMUM VOLUME REQUIRED.
6. TEMPORARY SEDIMENT BASINS MUST OUTLET ONTO STABILIZED GROUND.

Inspection, Maintenance, and Removal Requirements:

1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
2. CLEAN THE SEDIMENT BASIN OF SEDIMENTS, YEARLY, WHEN ACCUMULATIONS EXCEED 1.5 OF THE WET STORAGE CAPACITY OR WHEN THE AVAILABLE WET POOL IS REDUCED TO 18", WHICHEVER COMES FIRST. SEDIMENTS TO BE REMOVED IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
3. MAINTAIN FAIRCLOTH SKIMMER PER MANUFACTURERS RECOMMENDATIONS.
4. INSPECT SPILLWAY FOR DEBRIS AND SIGNS OF EROSION. STABILIZE SPILLWAY WITH ADDITIONAL VEGETATION OR RIP RAP AS NECESSARY.

Installation Notes:

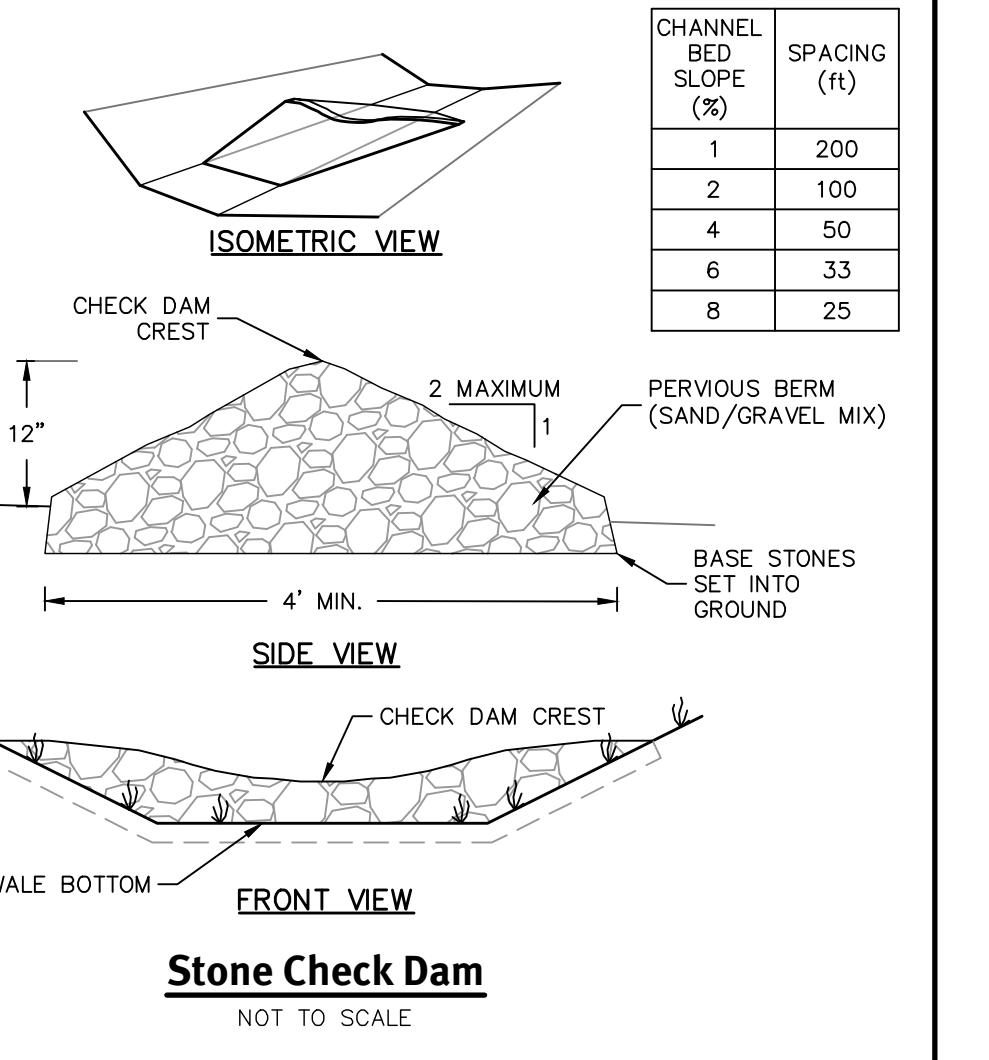
1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA.
2. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
3. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS.
4. CONSTRUCT EARTHEN EMBANKMENT PERMANENT DETENTION BASIN DETAILS AND SPECIFICATIONS, INCLUDING THE DETENTION POND EARTHEN EMBANKMENT DETAIL (IPERVIOUS CORE).
5. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES, SEEDING FOR TEMPORARY VEGETATION COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.

	1A-N	1A-S	1B-S	1C-N	1C-S	1D-N	1D-S	1F-N	1F-E	1H-N	1I-E	1J-W	1M-S	1N-N	1N-S	1O-N	2A-W	2B-E	3A-S	3B-E	3B-S	3E-N	3C-W	3D-N	3D-S	4A-N	4A-S
DEPTH	1.50	1.00	1.00	1.00	1.75	1.50	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.50	1.00	1.00	2.00	1.00	1.00	1.00	1.75	1.00	1.00	1.00	1.00	1.50	
BASE WIDTH	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	6.00	5.00	3.00	3.00	6.00	5.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
LENGTH	239.70	522.10	89.00	296.00	243.00	263.00	93.20	223.50	187.80	77.30	212.50	154.10	519.00	233.00	425.70	375.30	151.20	108.00	334.00	252.30	199.50	270.00	93.00	72.50	318.00	200.70	504.00
AVERAGE SLOPE	0.024	0.035	0.039	0.005	0.005	0.021	0.048	0.007	0.005	0.014	0.010	0.011	0.035	0.030	0.099	0.035	0.056	0.010	0.006	0.005	0.008	0.007	0.016	0.072	0.030	0.021	0.031
CHECK DAMS	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes		

Temporary Grass Swale Cross Section

NOT TO SCALE

CHANNEL BED SLOPE (%)	SPACING (ft)
1	200
2	100
4	50
6	33
8	25

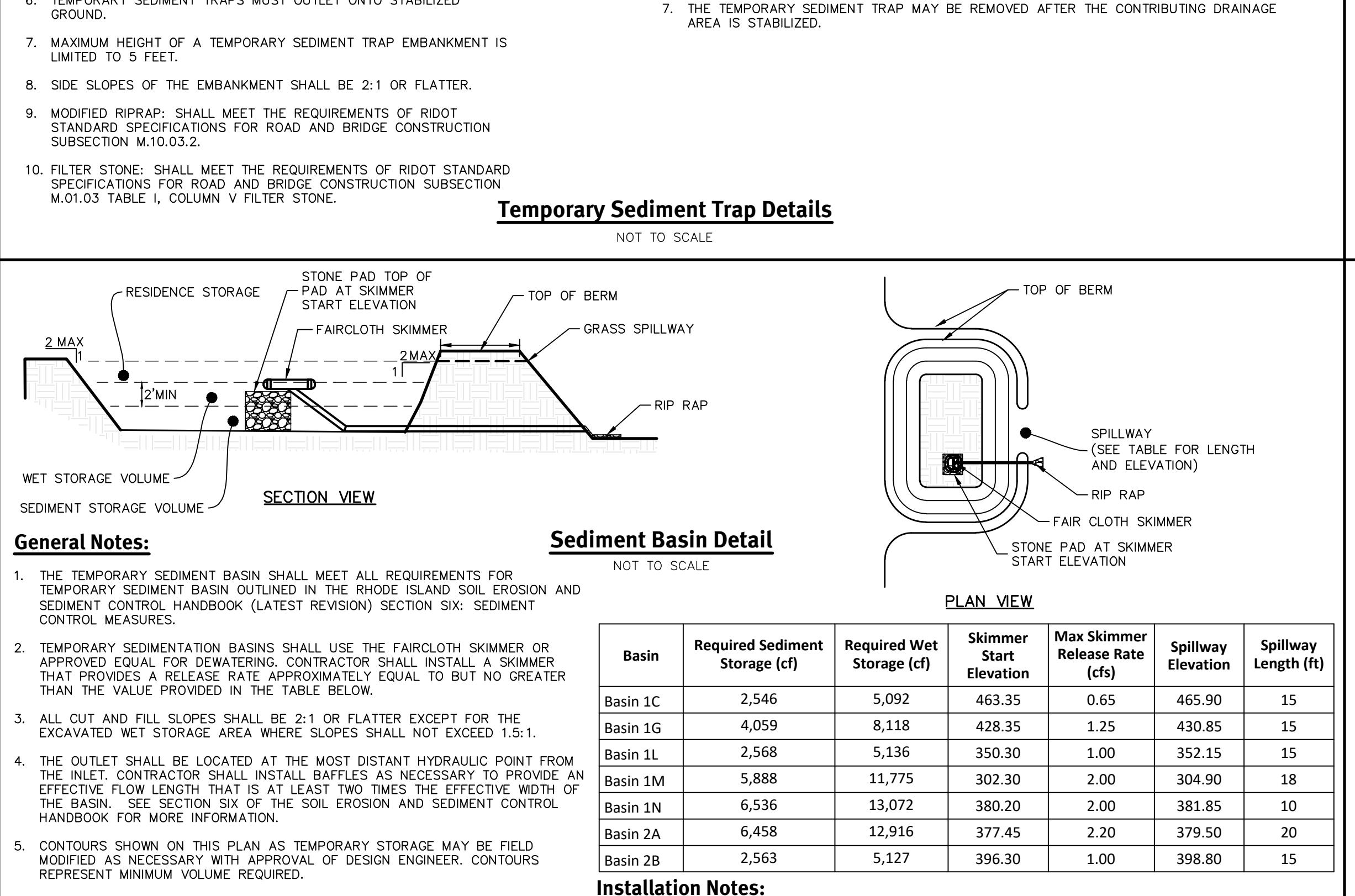
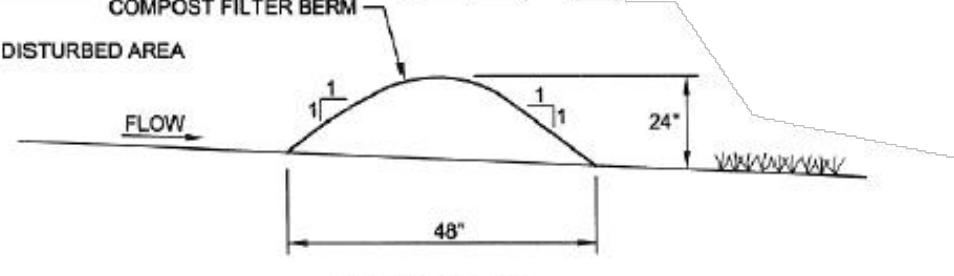


NOTES:

1. ALL STOCKPILES MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 3 OF THE STOCKPILE AND SEDIMENT AREA ELEMENT OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2014 EDITION).
2. DIVERT ALL STORMWATER AWAY FROM STOCKPILES.
3. SOIL STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS MUST BE SEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE WITH SEED MIX COMPATIBLE WITH THE SOIL TYPE.
4. STOCKPILE AND SILT FENCE MUST BE INSPECTED AT LEAST ONCE WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2" OF RAINFALL. REPAIR/ REPLACE SILT FENCE (AND STOCKPILE COVERS WHERE APPLICABLE) AS NEEDED TO KEEP THEM FUNCTIONING ADEQUATELY.
5. SEDIMENT TRAPPED BY SILT FENCES MUST BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.

Stockpile Protection

NOT TO SCALE

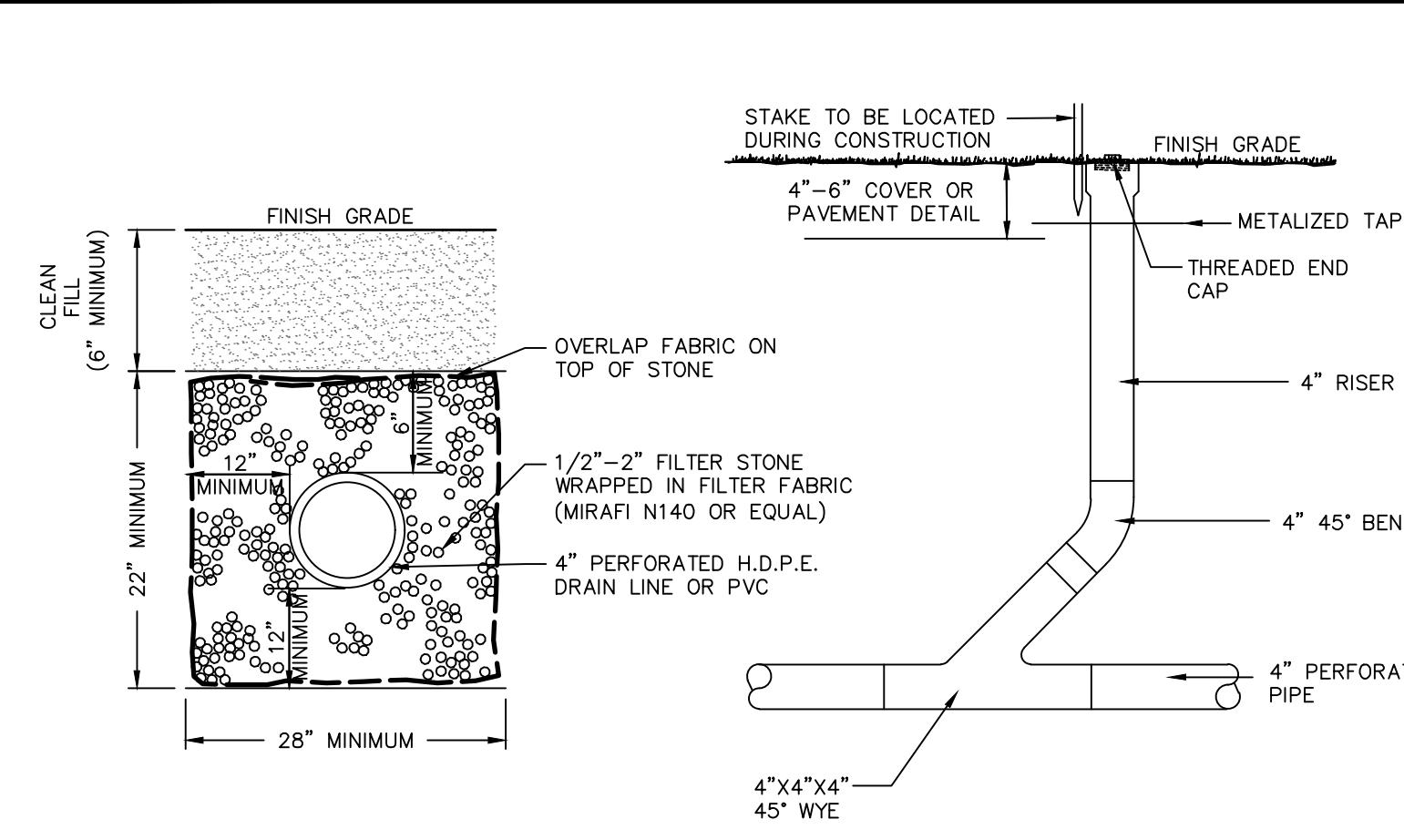


Inspection, Maintenance, and Removal Requirements:

1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.
2. CLEAN THE SEDIMENT BASIN OF SEDIMENTS, YEARLY, WHEN ACCUMULATIONS EXCEED 1.5 OF THE WET STORAGE CAPACITY OR WHEN THE AVAILABLE WET POOL IS REDUCED TO 18", WHICHEVER COMES FIRST. SEDIMENTS TO BE REMOVED IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
3. MAINTAIN FAIRCLOTH SKIMMER PER MANUFACTURERS RECOMMENDATIONS.
4. INSPECT SPILLWAY FOR DEBRIS AND SIGNS OF EROSION. STABILIZE SPILLWAY WITH ADDITIONAL VEGETATION OR RIP RAP AS NECESSARY.

	1A-N	1A-S	1B-S	1C-N	1C-S	1D-N	1D-S	1F-N	1F-E	1H-N	1I-E	1J-W	1M-S	1N-N	1N-S	1O-N	2A-W	2B-E	3A-S	3B-E	3B-S	3E-N	3C-W	3D-N	3D-S	4A-N	4A-S

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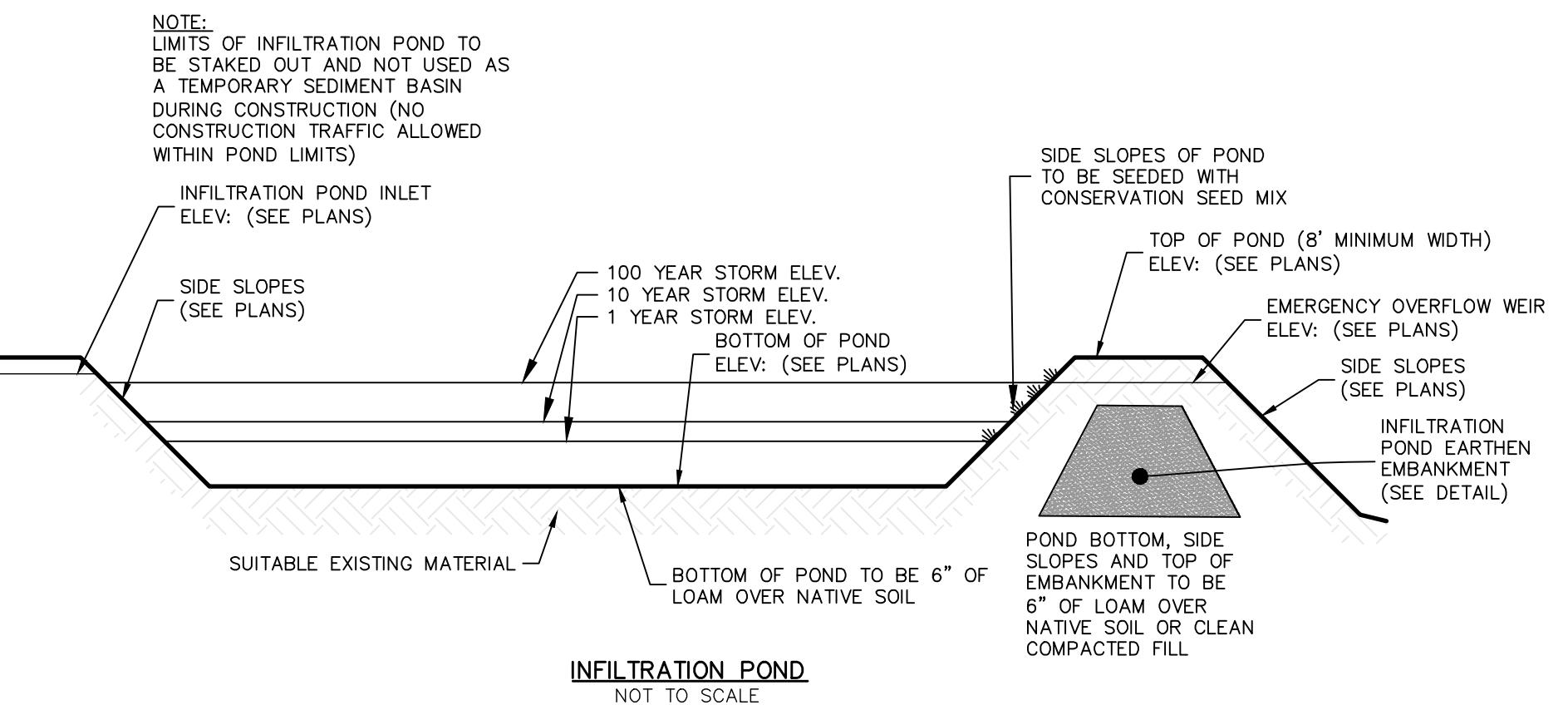
**4" Subdrain (Underdrain) Cleanout And Trench (TYP)**

NOT TO SCALE

NOTES:

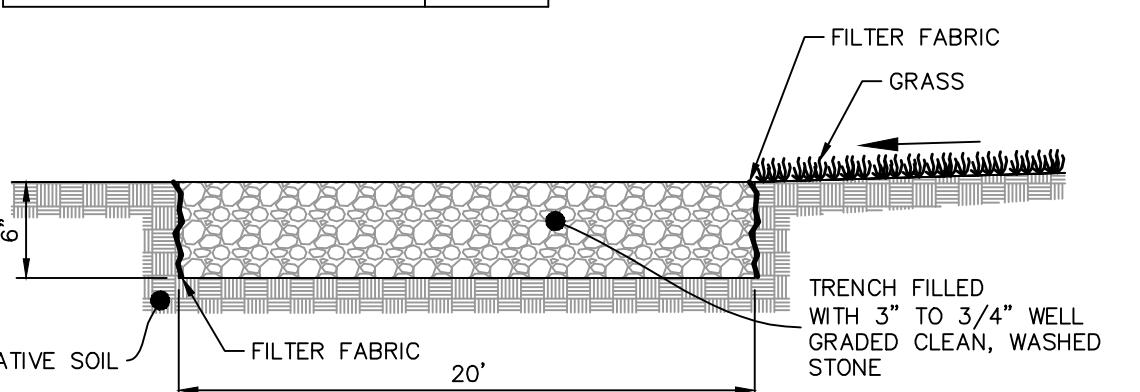
1. ENCASE CLEANOUT IN CONCRETE WHEN INVERT IS 12' OR MORE BELOW FINISH GRADE.
2. AT TERMINAL CLEANOUT REPLACE WYE WITH 45° BEND.
3. SUBDRAIN AREA TO BE STAKED, MARKED, AND REMAIN UNDISTURBED PRIOR TO CONSTRUCTION. THERE IS TO BE NO CONSTRUCTION TRAFFIC ON SUBDRAIN AREA PRIOR TO CONSTRUCTION.

DESCRIPTION	I-1I	I-1K	I-1L
TOP OF POND ELEVATION	400.00	375.00	350.00
100 YEAR STORM ELEVATION	398.95	372.80	348.71
10 YEAR STORM ELEVATION	398.63	372.10	347.23
1 YEAR STORM ELEVATION	397.40	371.20	346.08
BOTTOM OF POND ELEVATION	397.00	371.00	346.00
SEASONAL HIGH GWT ELEVATION	394.00	367.40	342.80
SOIL EVALUATION	TH-20	TH-35	TH-33

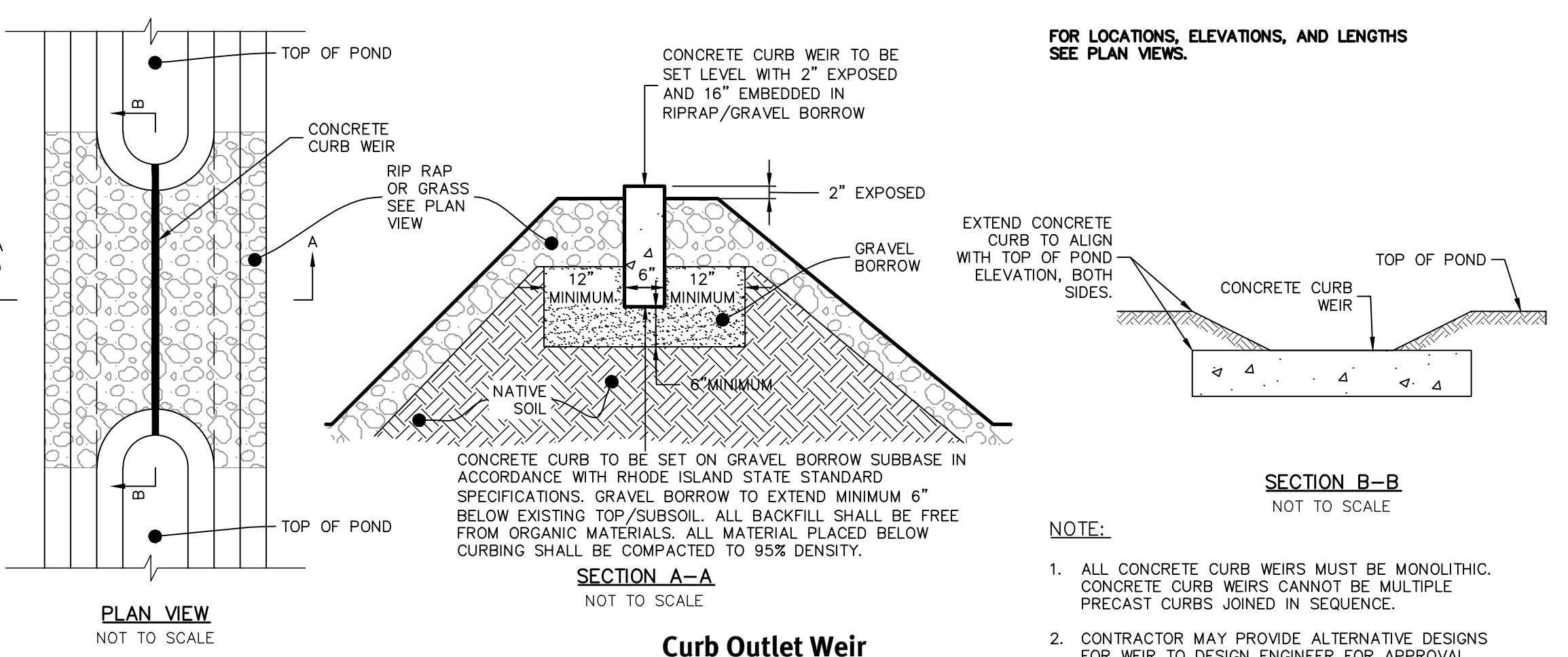
**INFILTRATION POND**
NOT TO SCALE

DESCRIPTION	D-1A	D-1A2	D-1B	D-1C	D-1D	D-1F	D-1G	D-1H	D-1I	D-1M	D-1N	D-2A	D-2B	D-3A	D-3C	D-3D	D-3E	D-4A	
TOP OF POND ELEVATION	448.00	449.00	450.00	464.00	459.00	446.00	430.00	440.00	422.00	305.00	380.00	380.00	397.00	427.00	430.00	499.00	500.00	499.50	450.00
100 YEAR STORM ELEVATION	446.97	448.05	449.04	463.07	458.02	444.99	428.25	438.62	419.45	303.96	377.54	379.00	396.00	425.99	429.01	497.95	498.81	498.42	448.42
10 YEAR STORM ELEVATION	446.65	447.76	448.61	462.69	457.62	444.49	427.31	438.52	418.45	302.17	376.89	376.70	395.11	425.60	428.30	496.73	498.46	496.57	447.54
1 YEAR STORM ELEVATION	445.69	445.54	447.18	460.87	456.27	444.07	426.23	438.12	418.10	301.24	376.14	375.98	394.27	425.10	427.69	496.20	497.35	495.21	446.25
BOTTOM OF POND ELEVATION	445.00	445.00	446.50	459.00	456.00	444.00	426.00	438.00	418.00	301.00	376.00	375.00	394.00	425.00	427.50	496.00	497.00	494.00	446.00
SEASONAL HIGH GWT ELEVATION	N/A	442.00	442.00	459.00	452.70	442.40	417.50	N/A	418.00	301.00	374.70	375.00	384.70	423.50	427.50	493.00	496.60	494.00	444.00
SOIL EVALUATION	TH-17	TH-11	TH-11	TH-8	TH-43	TH-5	TH-37	N/A	TH-36	TH-30	TH-32	TH-27	TH-40	TH-39	TH-10	TH-42	TH-41	TH-13	

TOP OF POND ELEVATION	427.00
100 YEAR STORM ELEVATION	427.08
10 YEAR STORM ELEVATION	427.03
1 YEAR STORM ELEVATION	426.88
BOTTOM OF POND ELEVATION	426.50
SEASONAL HIGH GWT ELEVATION	<422.00
SOIL EVALUATION	TH-25

**Stone Infiltration Trench/ Access Road**

NOT TO SCALE

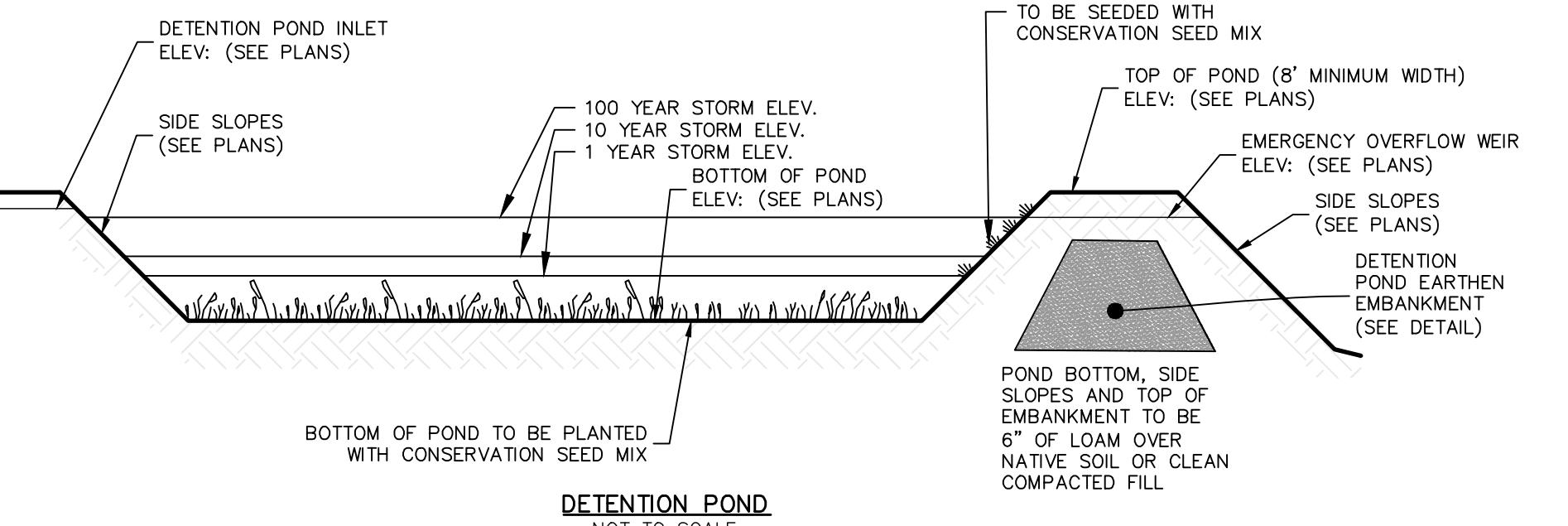
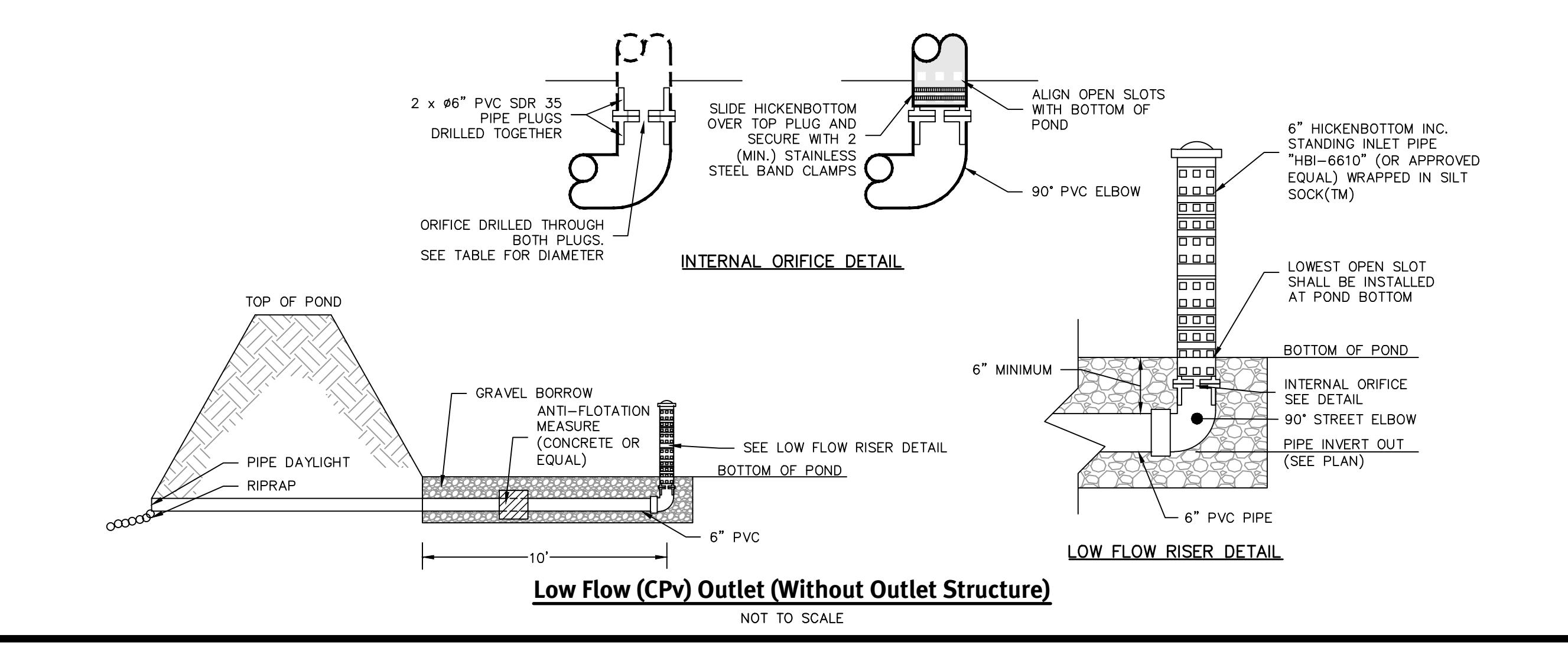
FOR LOCATIONS, ELEVATIONS, AND LENGTHS
SEE PLAN VIEWS.**Curb Outlet Weir**

NOT TO SCALE

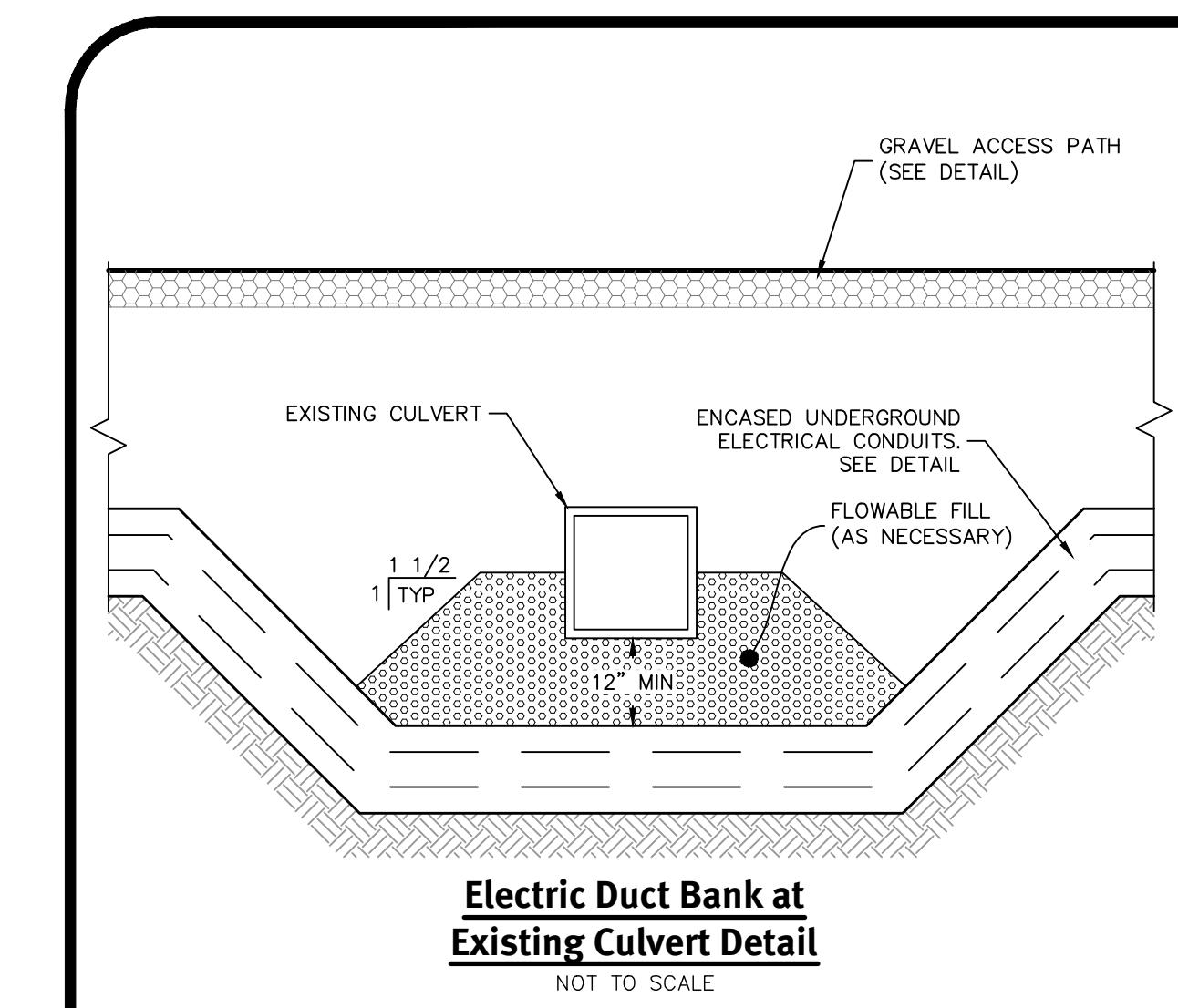
NOTES:

1. ALL CONCRETE CURB WEIRS MUST BE MONOLITHIC. CONCRETE CURB WEIRS CANNOT BE MULTIPLE PRECAST CURBS JOINED IN SEQUENCE.
2. CONTRACTOR MAY PROVIDE ALTERNATIVE DESIGNS FOR WEIR TO DESIGN ENGINEER FOR APPROVAL.

INTERNAL ORIFICE SCHEDULE	
LOCATION	
D-1A	1.75"
D-1A2	1.50"
D-1B	1.50"
D-1C	2.00"
D-1D	1.75"
D-1F	2.50"
D-1G	3.50"
D-1H	1.25"
D-1I	2.50"
D-1M	2.50"
D-1N	3.75"
D-2A	2.75"
D-2B	2.50"
D-3A	1.25"
D-3B	2.75"
D-3C	2.50"
D-3D	1.25"
D-3E	2.00"
D-4A	2.00"

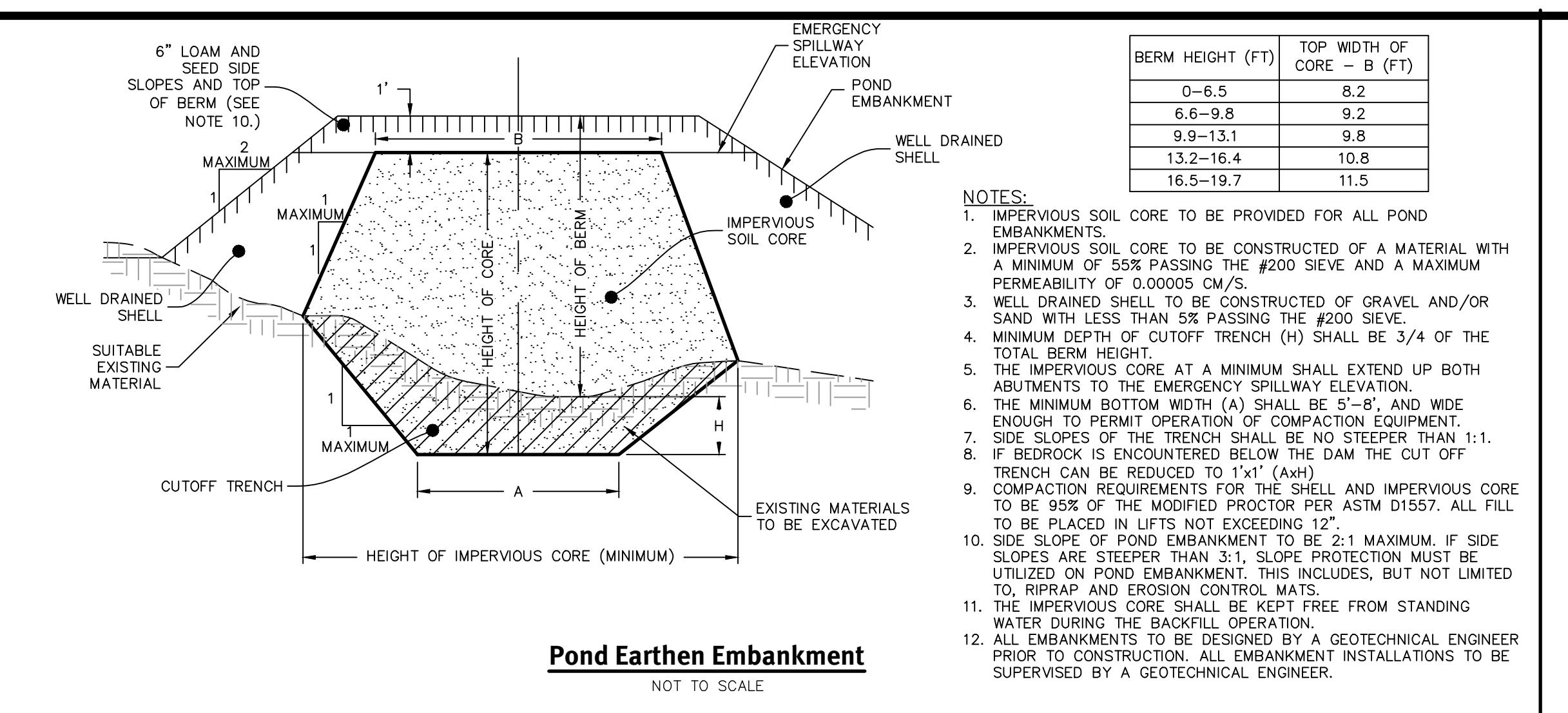
**DETENTION POND**
NOT TO SCALE**LOW FLOW (CPV) Outlet (Without Outlet Structure)**

NOT TO SCALE



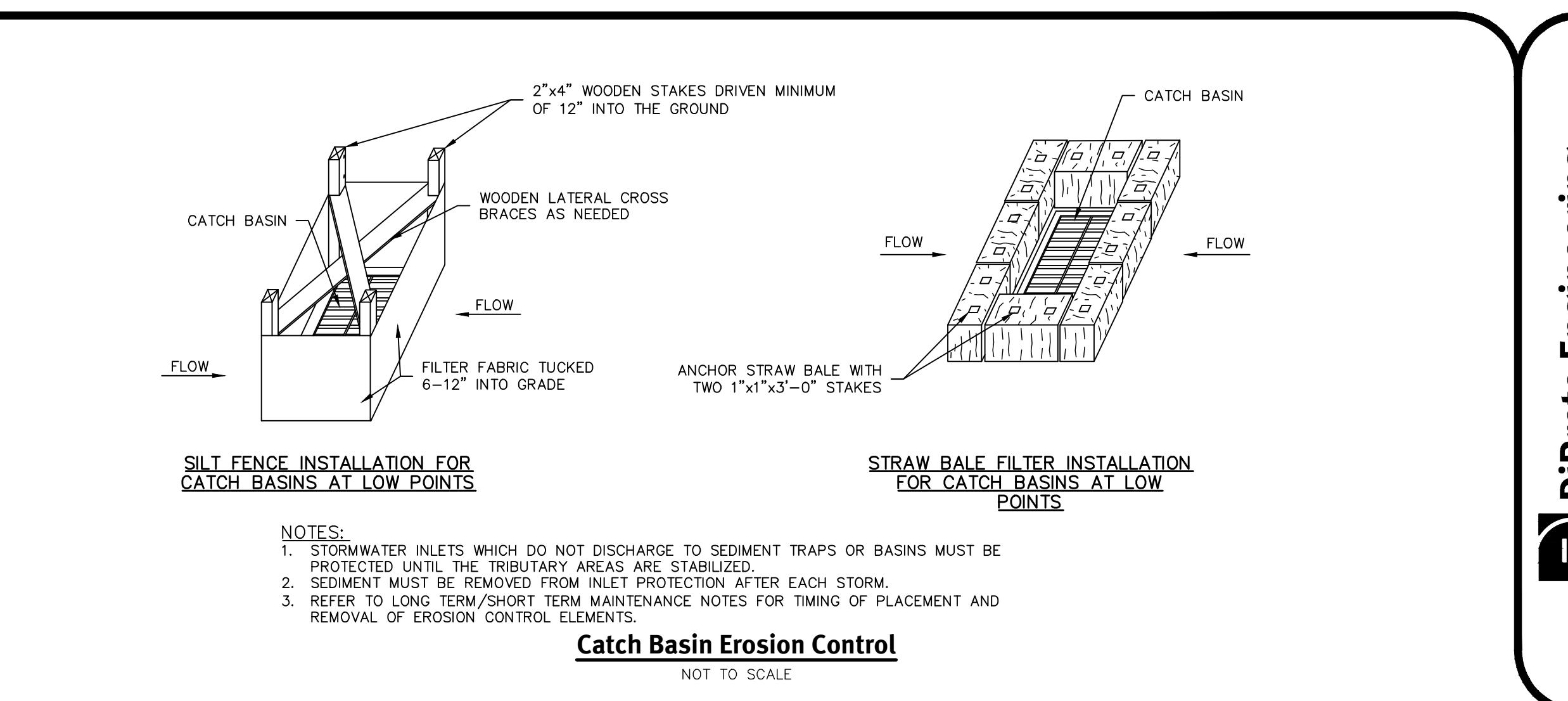
**Electric Duct Bank at
Existing Culvert Detail**

NOT TO SCALE



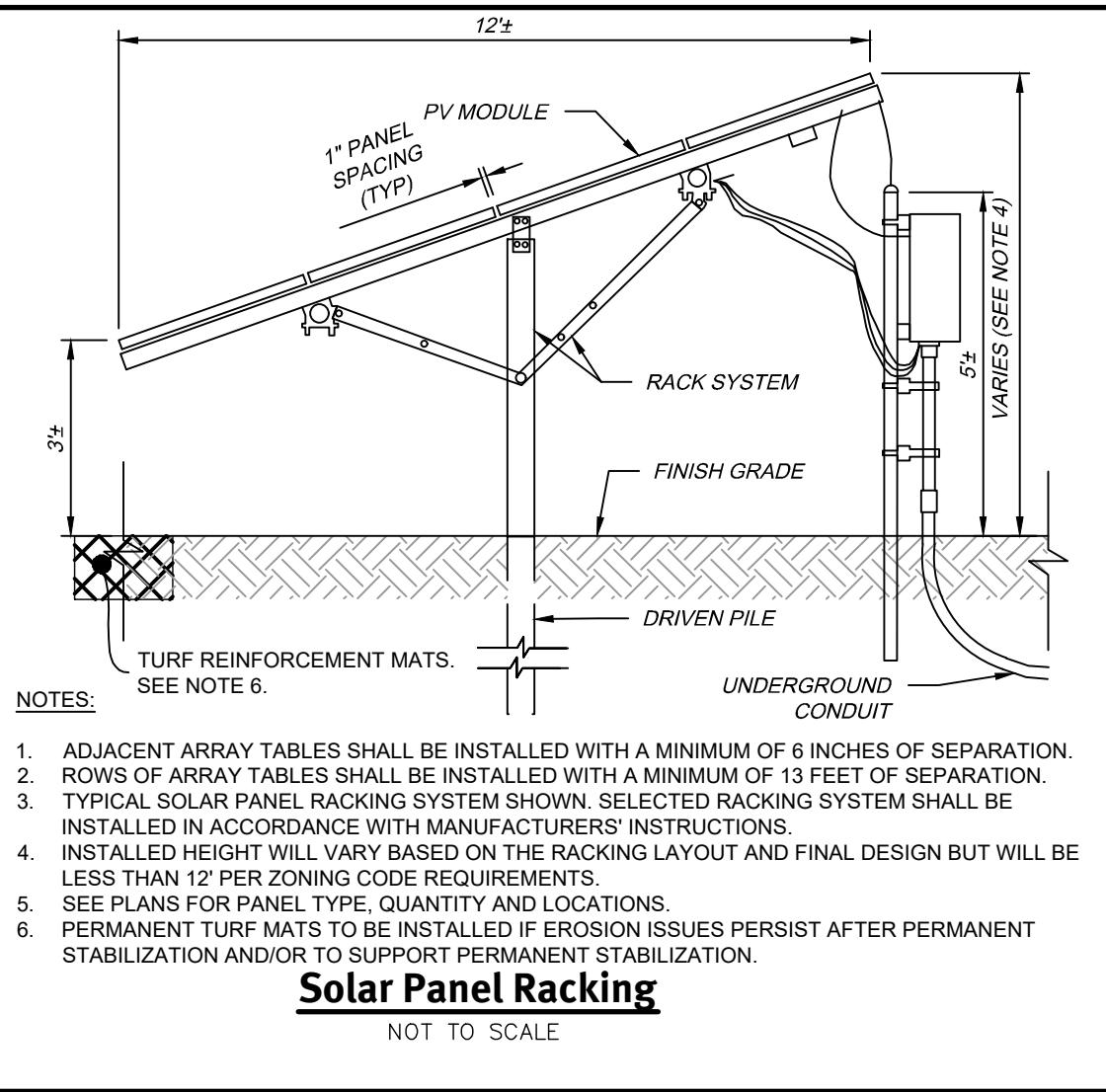
Pond Earthen Embankment

NOT TO SCALE



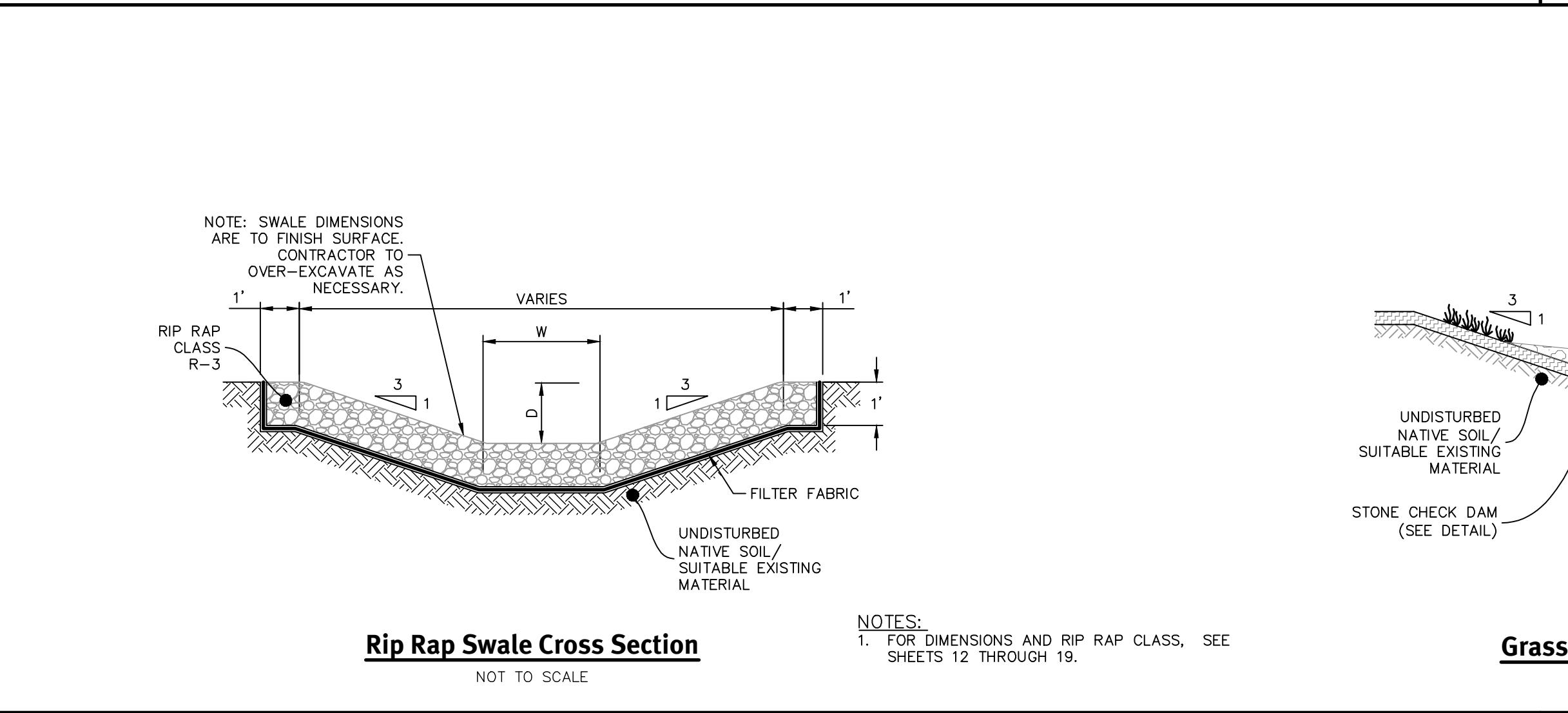
Catch Basin Erosion Control

NOT TO SCALE



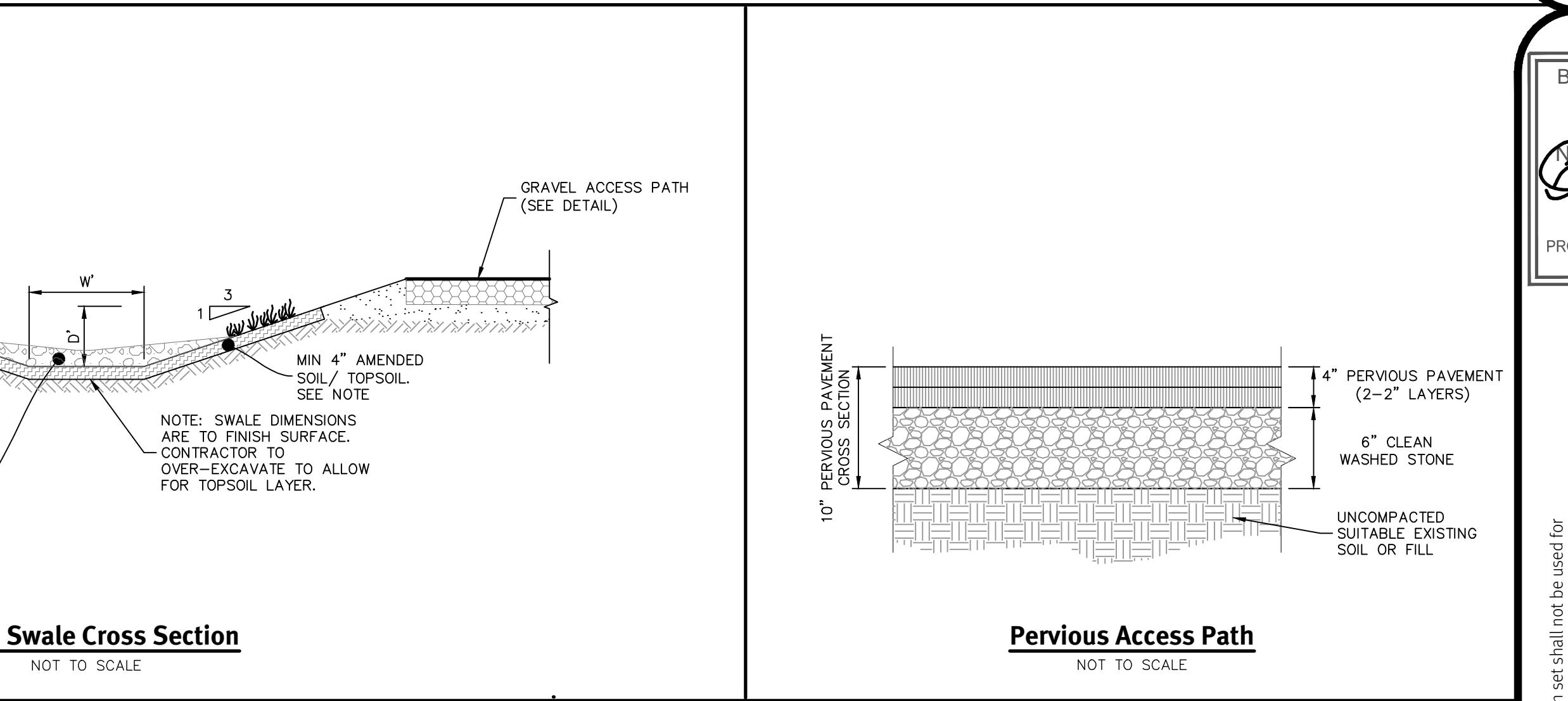
Solar Panel Racking

NOT TO SCALE



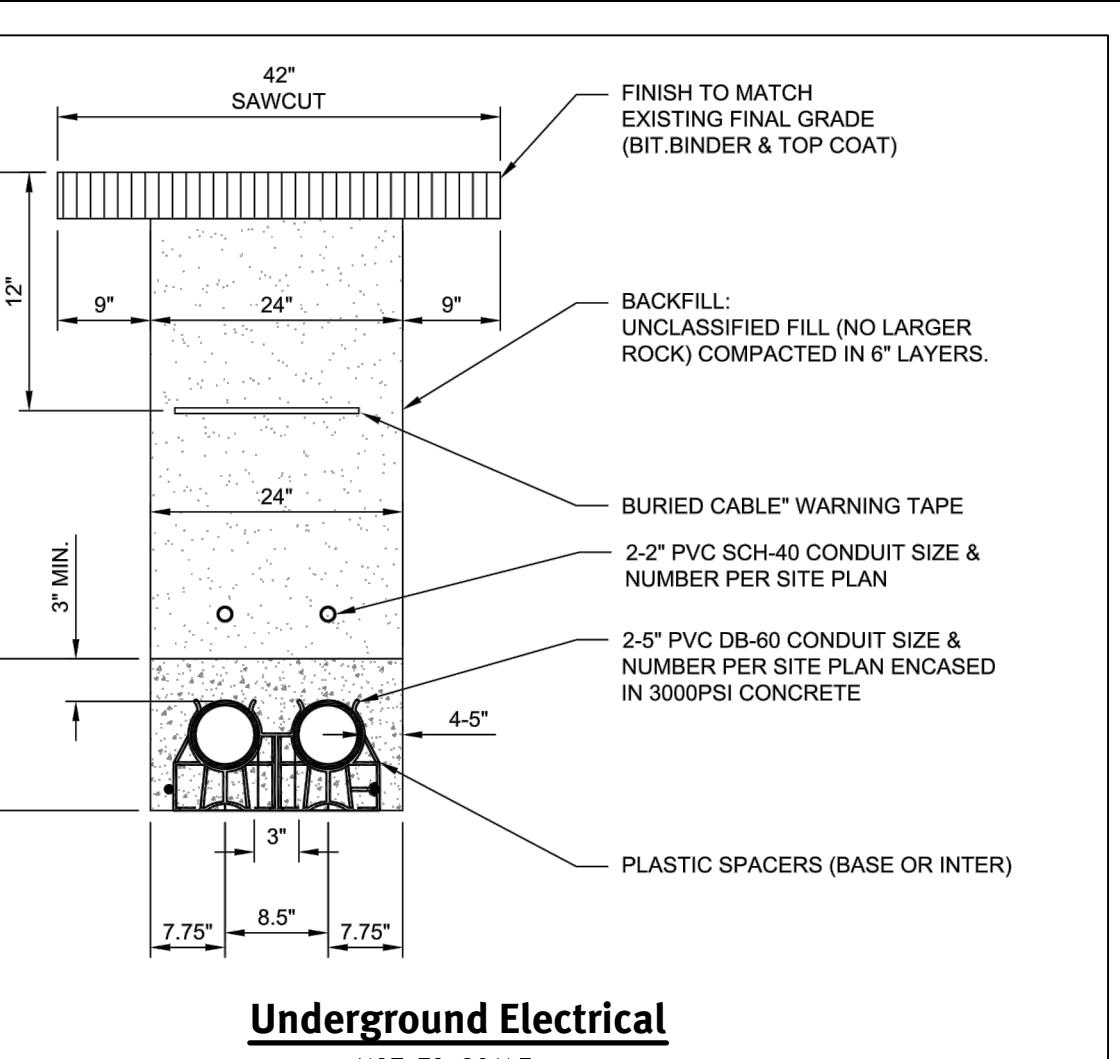
Rip Rap Swale Cross Section

NOT TO SCALE



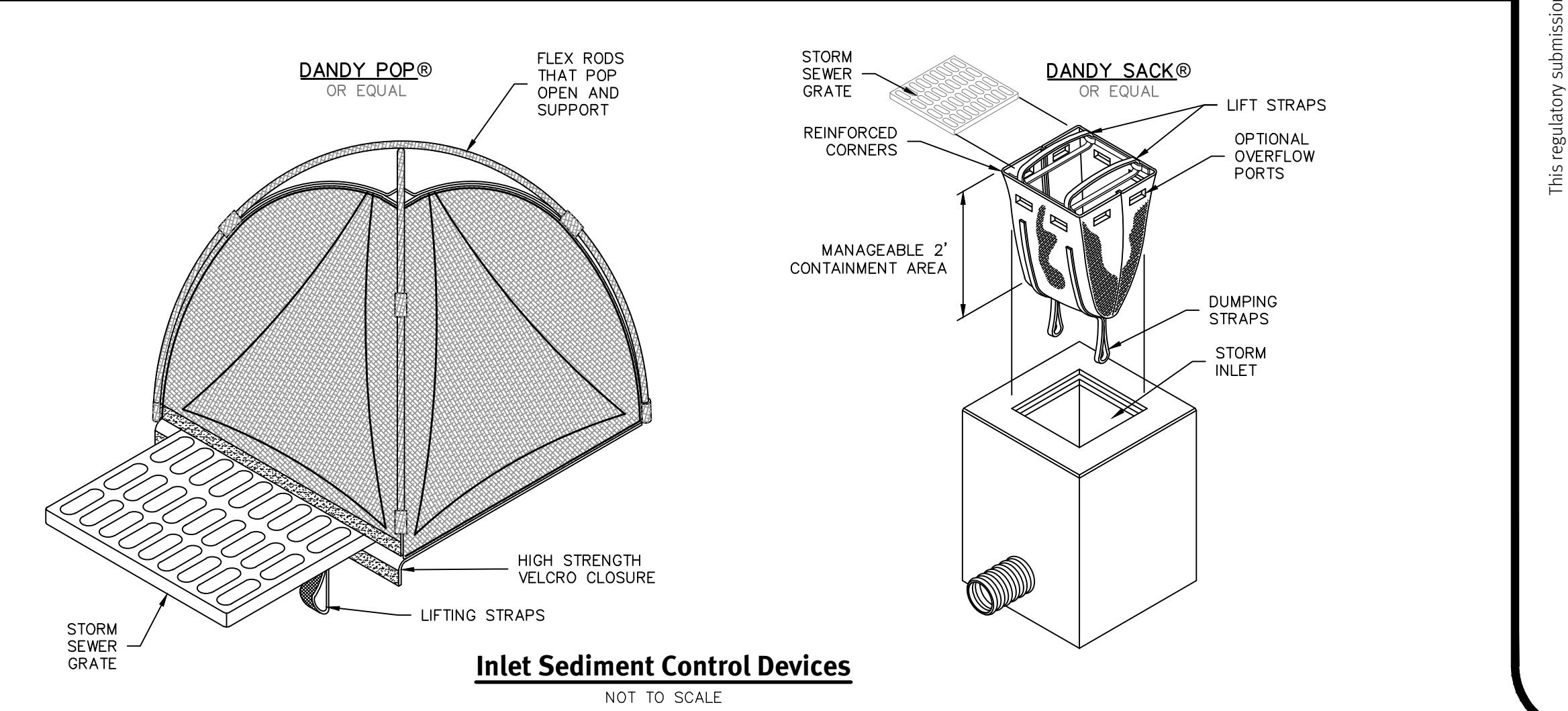
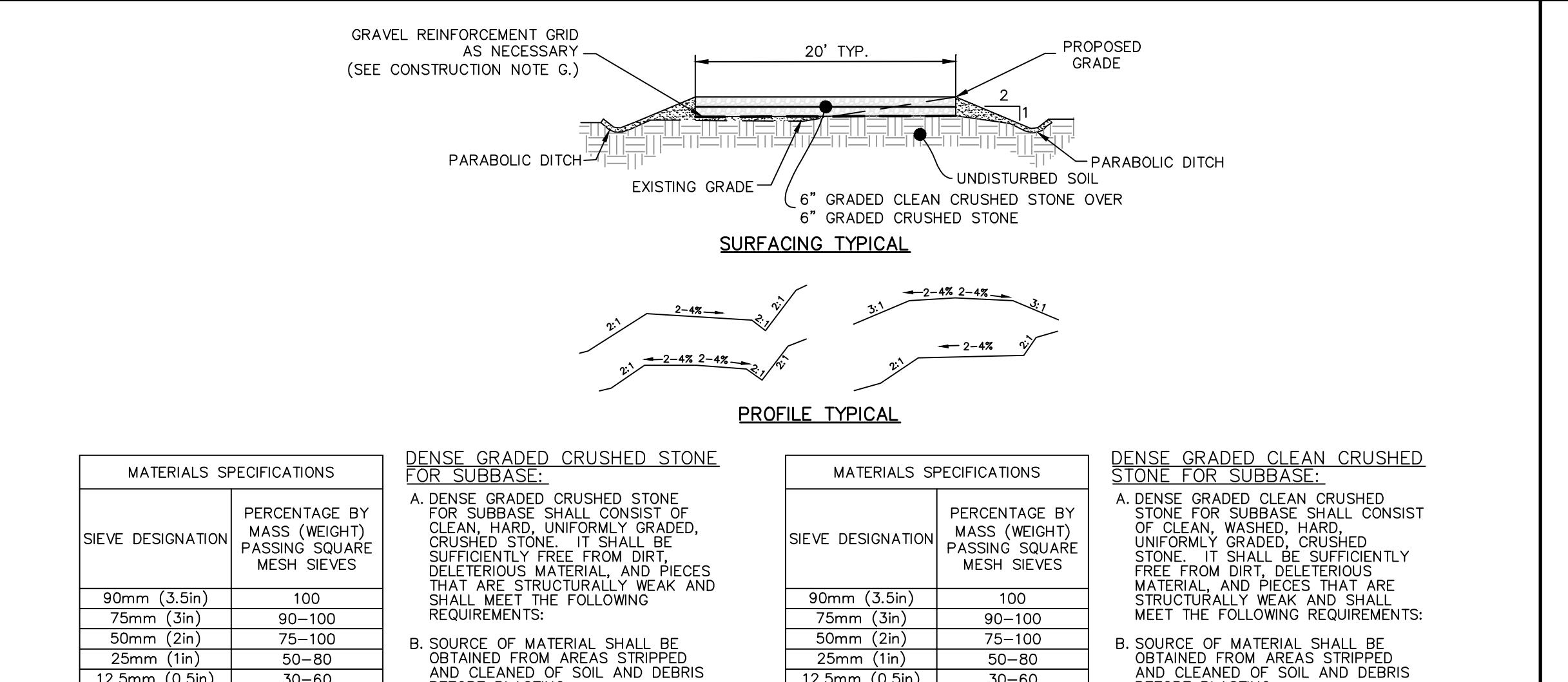
Pervious Access Path

NOT TO SCALE



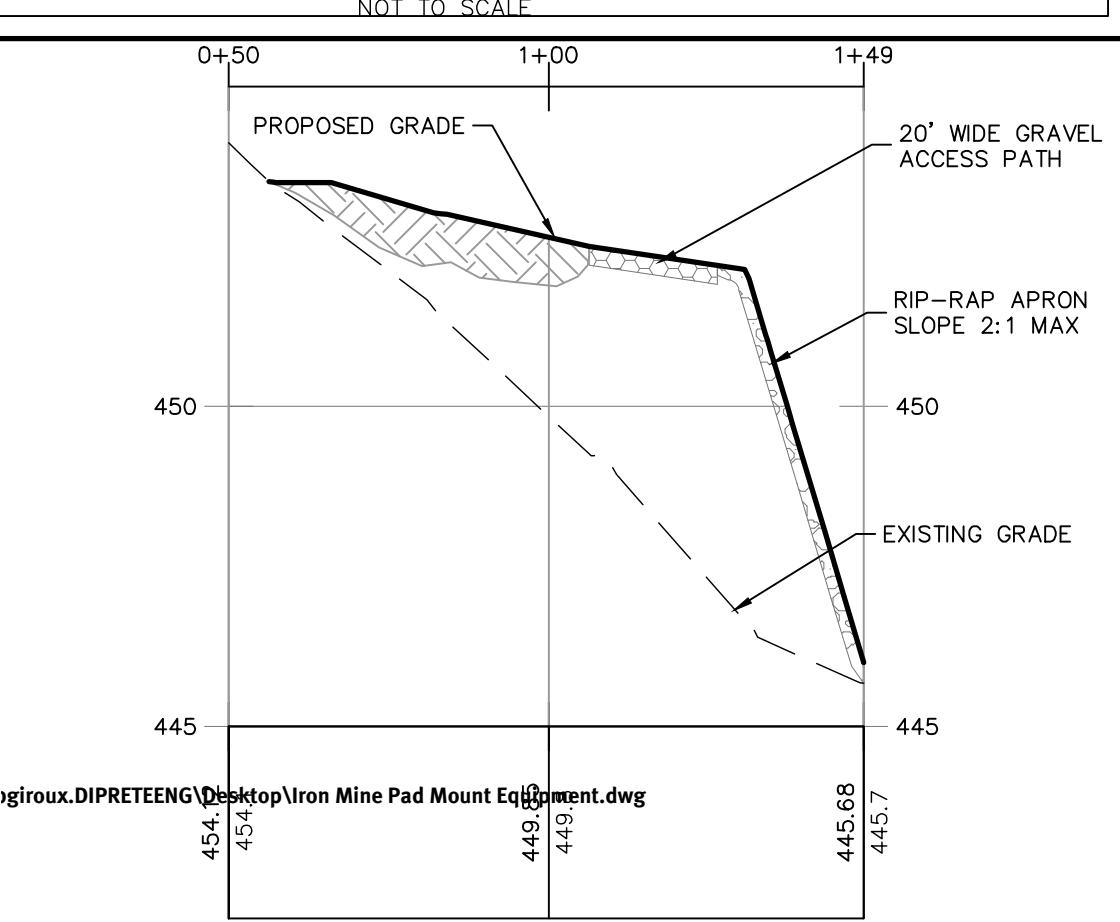
Underground Electrical

NOT TO SCALE



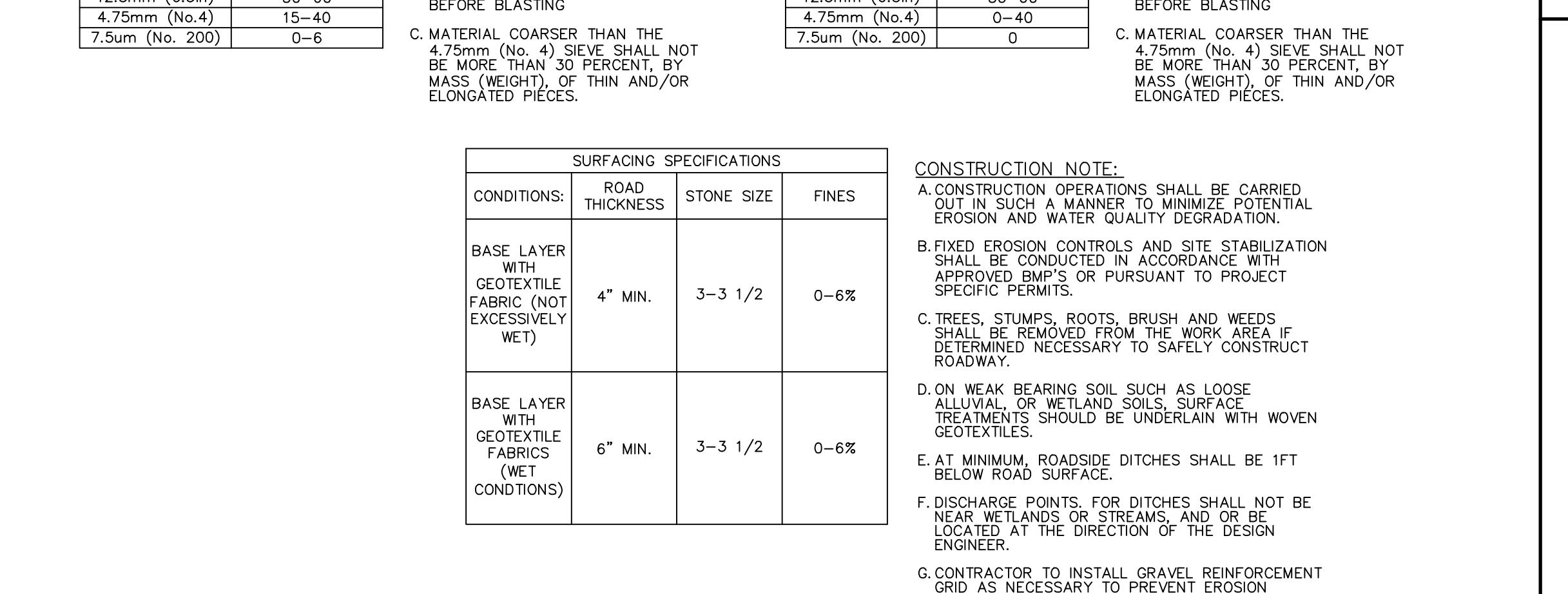
Inlet Sediment Control Devices

NOT TO SCALE



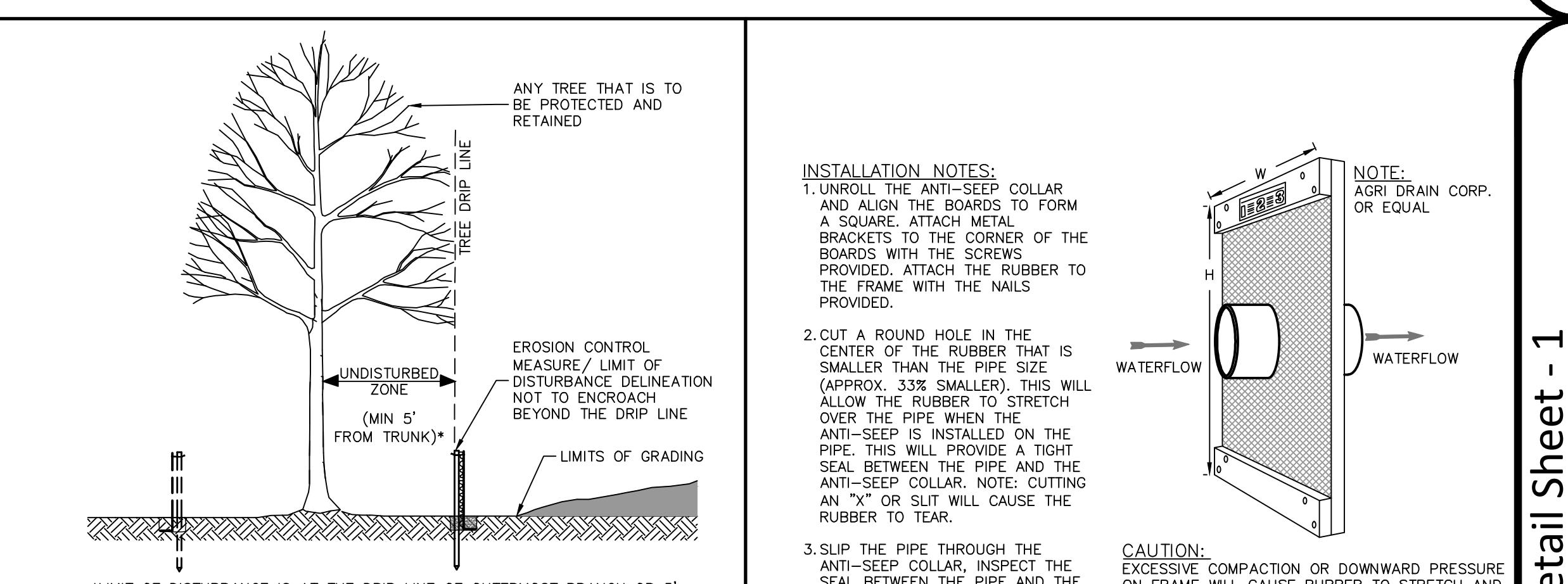
**Sta. 0+50 To 1+49,
ASS Profile Detail**

NOT TO SCALE



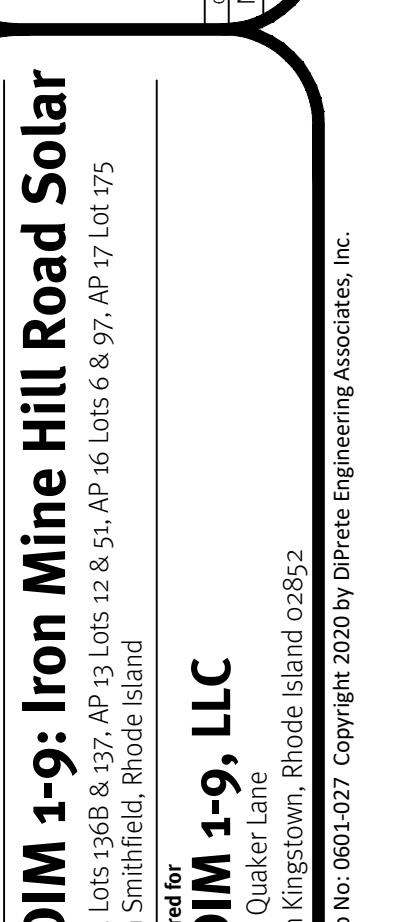
Gravel Access Path Detail

NOT TO SCALE



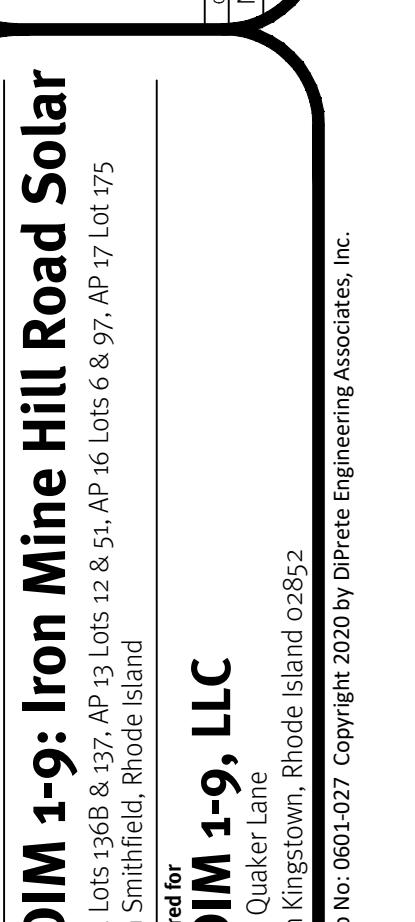
Tree Protection Detail

NOT TO SCALE



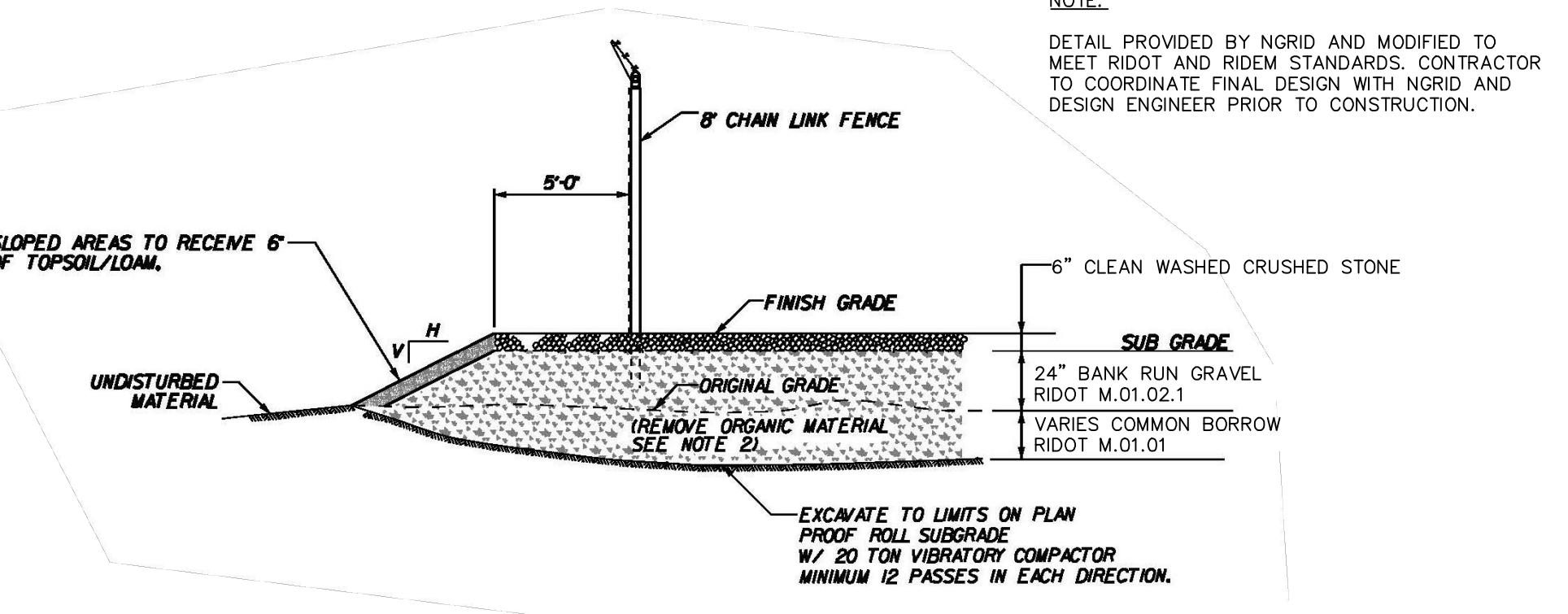
Anti-Seep Collar

NOT TO SCALE



**Detail Sheet - 1
GDM 1-9: Iron Mine Hill Road Solar**

NOT TO SCALE



NGRID Substation Cross Section

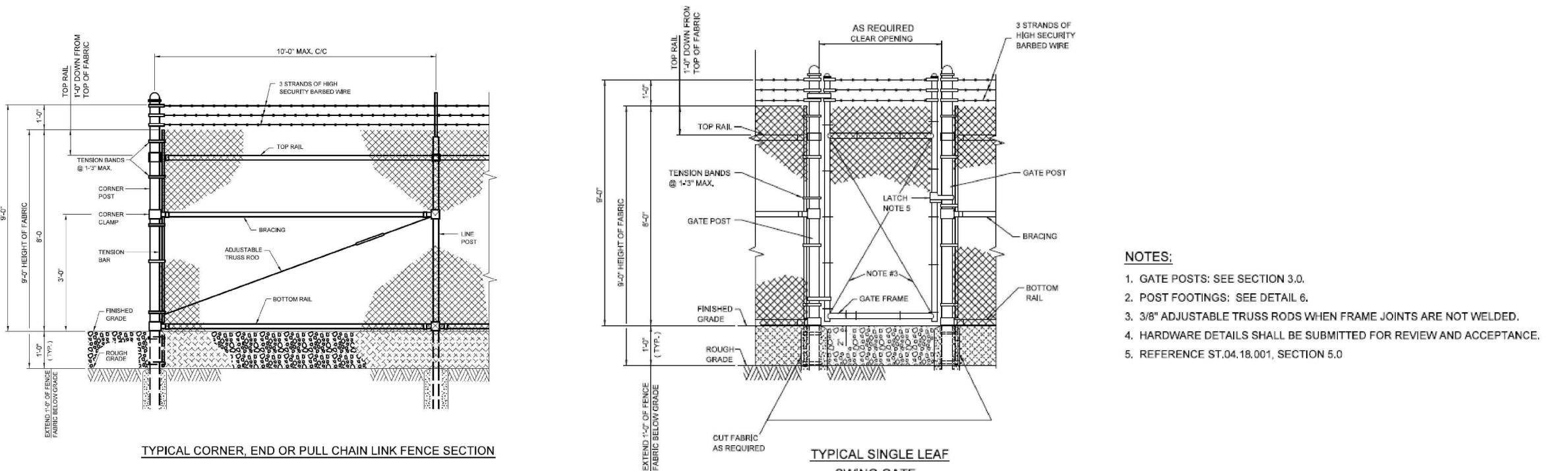
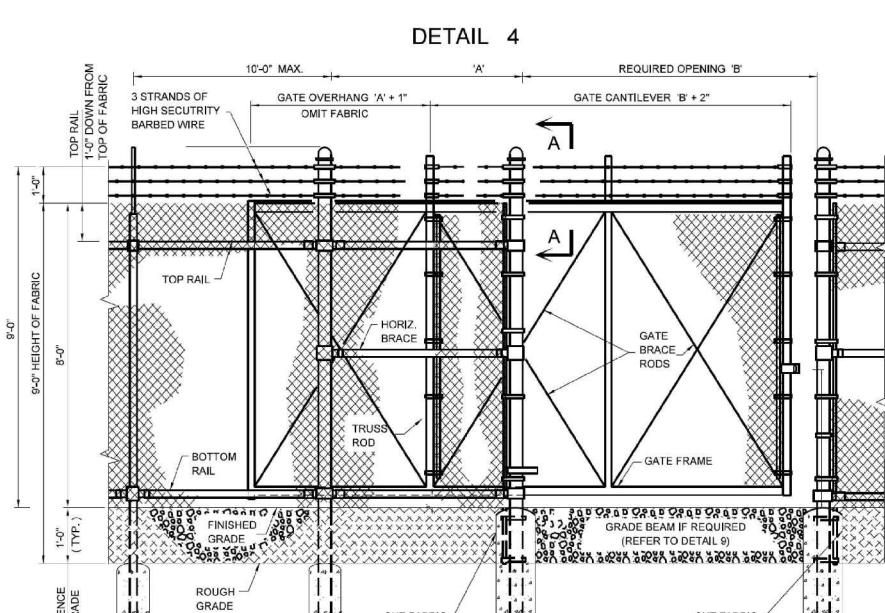
NOT TO SCALE



* CONTRACTOR TO COORDINATE SIGN AND SIGN LOCATION WITH NATIONAL GRID PRIOR TO CONSTRUCTION.

24"x36" Identification Sign

NOT TO SCALE

NOTES:
1. LINE POSTS: SEE SECTION 3.0.
2. END, CORNER & PULL POST: SEE SECTION 3.0.
3. POST FOOTINGS: SEE DETAIL 6.
4. 3/8" ADJUSTABLE TRUSS RODS WHEN FRAME JOINTS ARE NOT WELDED.
5. HARDWARE DETAILS SHALL BE SUBMITTED FOR REVIEW AND ACCEPTANCE.NOTES:
1. 3/8" ADJUSTABLE TRUSS RODS REQUIRED WHEN FRAME JOINTS ARE MALLEABLE IRON FITTINGS. SWING GATE LEAF 14'-0" AND WIDER.
2. SWING GATE LEAF 14'-0" AND WIDER.
3. GATE POSTS: SEE SECTION 3.0.
4. POST FOOTINGS: SEE DETAIL 6.
5. HARDWARE DETAILS TO BE SUBMITTED FOR REVIEW AND ACCEPTANCE.

1. DETAILS PROVIDED BY NATIONAL GRID. SEE GENERAL NOTE 18 ON SHEET 3.
2. CONTRACTOR TO COORDINATE FINAL FENCE AND FENCE DETAILS WITH NATIONAL GRID PRIOR TO CONSTRUCTION.

NGRID Substation Fencing
Chain Link & Expanded Metal Mesh Fence

NOT TO SCALE

Detail Sheet - 2
GDIM 1-9: Iron Mine Hill Road Solar

SHEET 24 OF 25

DiPrete Engineering

Boston • Providence • Newport

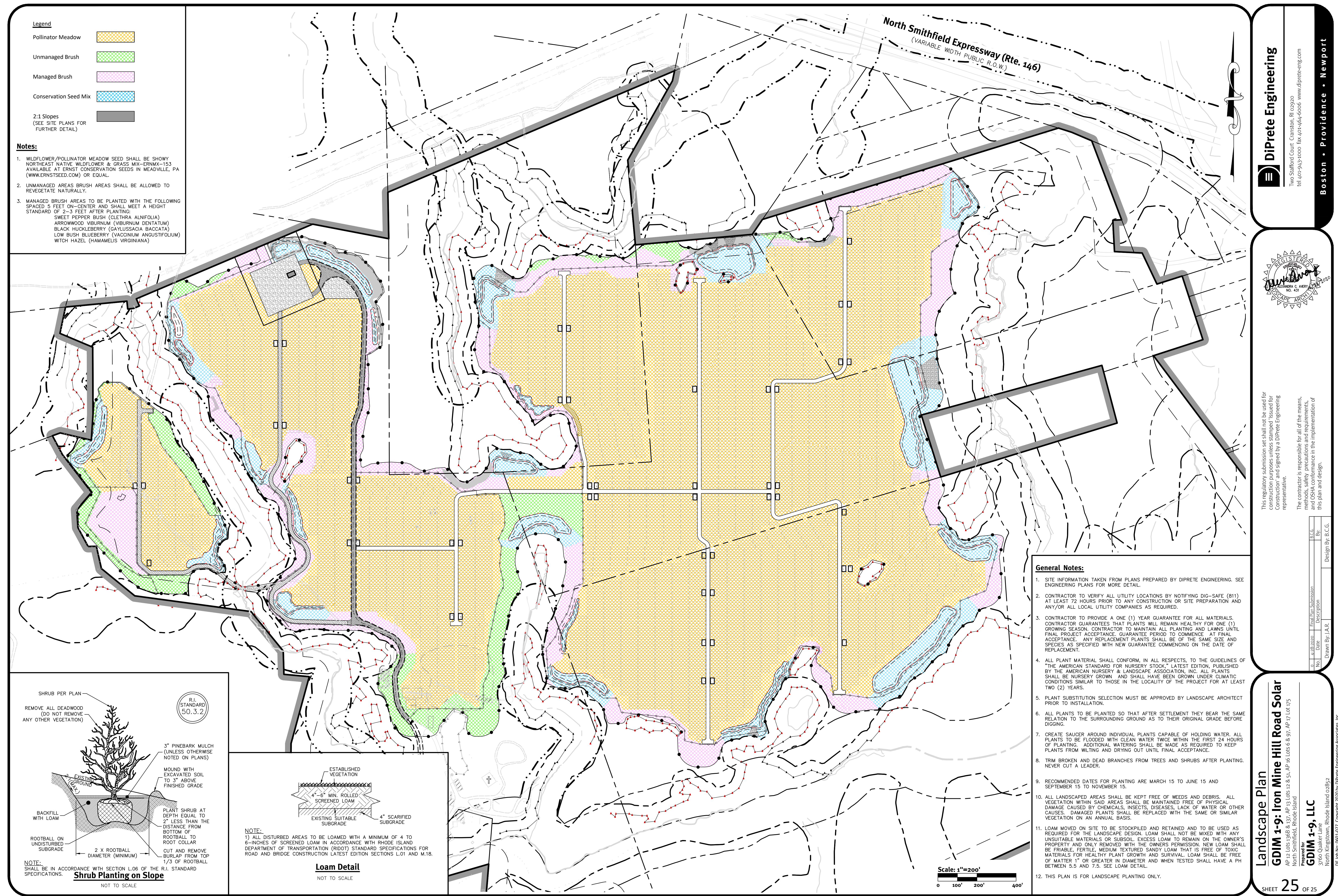
Two Saalfeld Court Cranston, RI 02920
tel 401-943-1000 fax 401-464-6000 www.diprete-eng.com

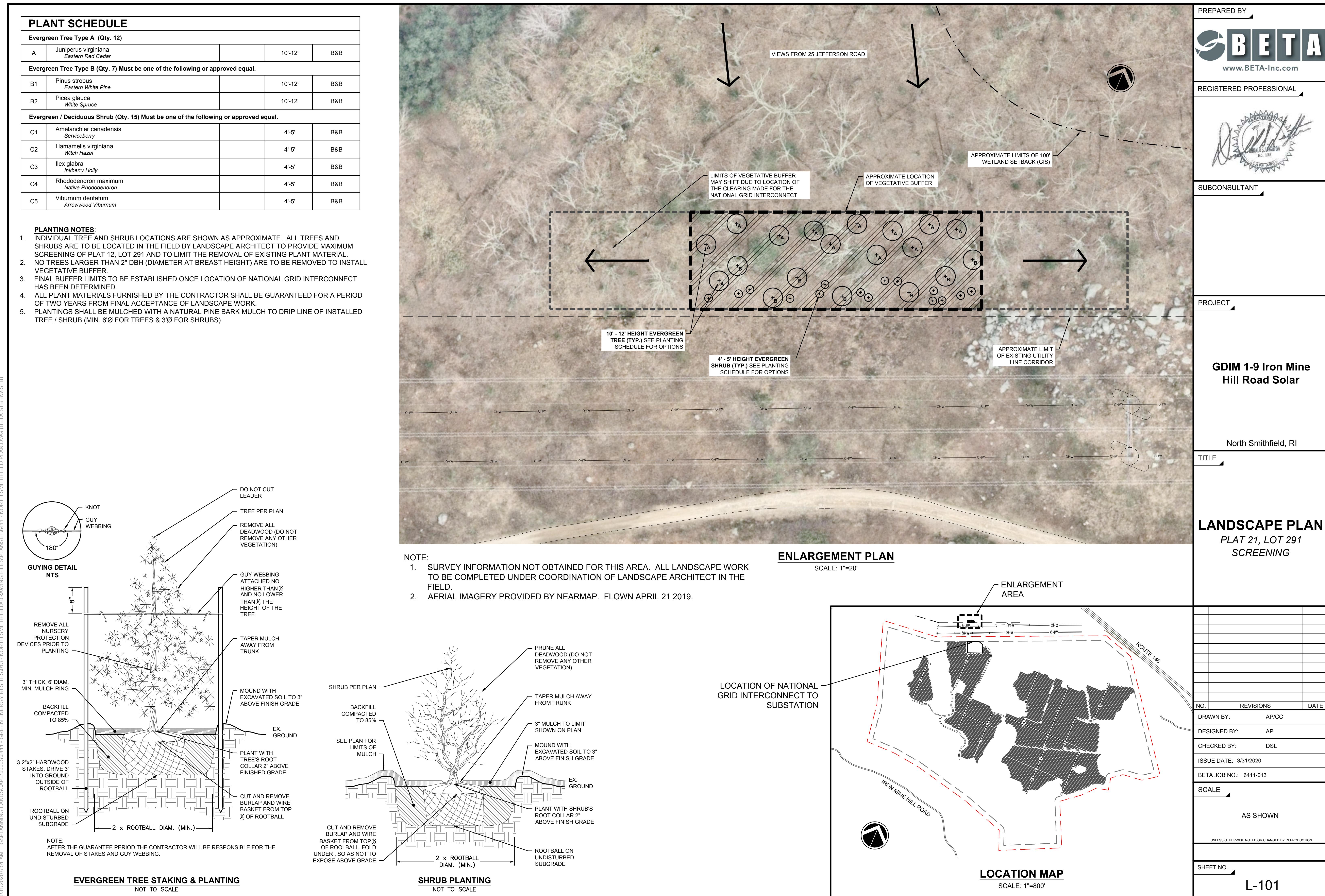
This regulation submission set shall not be used for construction purposes unless stamped 'Issued for Construction' and signed by a DiPrete Engineering representative.

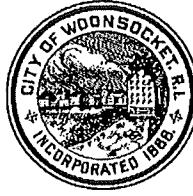
The contractor is responsible for all of the means, methods, safety precautions and requirements, and OSHA conformance in the implementation of this plan and design.

Table #	GATE LEAF SIZE	GATE POST SPACING X	GATE POST SPACING Y
	6'2" - 10'2"	6'-0" - 10'-0"	
	11'2" - 14'2"	7'-0" - 10'-0"	10'-0" - 14'-0"
	15'2" - 22'2"	10'-0" - 14'-0"	15'-0" - 22'-0"
	23'4" - 30'4"	12'-0" - 23'-0"	23'-0" - 30'-0"

ALUMINUM
SECTION AAA







CITY OF WOONSOCKET, RHODE ISLAND
WATER DIVISION

May 15, 2020

Thomas J. Kravitz
Planning Dept.
Town of North Smithfield
PO Box 248
1 Main Street
North Smithfield, RI 02876

Dear Mr. Kravitz,

I'm writing to submit a response to a letter from John O. Mancini dated April 6, 2020 regarding the North Smithfield Solar Project. Please accept and review the attached letter from our consultant in response to Mr. Mancini's letter.

Please do not hesitate to call me at (401)-767-2619 with any questions or concerns you may have.

Sincerely,

Marc Viggiani
Water Division Superintendent
City of Woonsocket

MV:jpp

April 21, 2020

Mr. Marc Viggiani, Superintendent
Woonsocket Water Engineering Division
P.O. Box B
1500 Manville Road
Woonsocket, RI 02895

Re: North Smithfield Solar Farm – Reservoir Road
C&E Project Number J2002

Dear Mr. Viggiani:

As you are no doubt aware, on March 10, 2020, the City of Woonsocket requested I review the permitting documentation on a proposed solar farm to be located off Reservoir Road in North Smithfield, Rhode Island. The City's concerns revolved around potential impacts to the Woonsocket Water Supply System's source of supply which will be literally surrounded by various portions of the proposed facility.

On March 16, 2020, I prepared a memorandum summarizing my findings and conclusions. It is my understanding that my memorandum was forwarded to North Smithfield Town officials and ultimately to the Developer for the project. On April 6, 2020, I was copied on a response to my memorandum prepared by an attorney for the Developer, Attorney John O. Mancini. At your request I have reviewed this response and I offer the following comments.

The first major point of Attorney Mancini was that the project was permitted under the Town of North Smithfield Zoning including the Town's Solar Photovoltaic Overlay District and received all RIDEM Permits associated with a land development project.

In this discussion by Attorney Mancini, he does not address any raised concerns regarding the City's Raw Water Supply. RIDEM permits are all fine and good for site development but they do not have jurisdiction over water supply. As you are no doubt aware, the Rhode Island Department of Health (RIDOH) has sole authority over water supply in Rhode Island. I believe they would have real issues with the contamination of the City's raw water supply with nitrates from the proposed blasting on the project.

It is stated that all blasting will be carried out in accordance with State regulations, which would be expected, but these State regulations deal primarily with safety and damage to adjacent structures, not contamination of public water supplies. As mentioned throughout my memorandum, the single mention of this raw water supply for the City of Woonsocket within North Smithfield Planning Commission permitting process identified that a major municipal water supply was in the immediate area of the project but does not propose any measures of protection during the construction process aside from typical land development procedures.

The remainder of Attorney Mancini correspondence detailed all the professionals that worked on the project. There are Site Engineers, Wetland Biologists, Blasting Experts, Archeological Experts and Municipal Planners. I know many of these experts, having worked with some in the past and I consider

them all experts in their fields. Unfortunately none of these experts are specialists in potable water supply and their permit submission attests to this fact.

Attached to Attorney Mancini correspondence was a series of responses from Green Development, LLC. (Green). I do not believe further comment on these subjects is warranted at this time. A review of these responses just further re-enforces the lack of understanding of public water supply protection.

"Nitrogen compounds are not considered a threat to freshwater bodies..." they state. Why does the RIDOH have potable water regulatory standards for Nitrate and Nitrite? They also state "there are no worries because "most" of the nitrogen explosive will be converted to nitrogen gas". How much is "most"? The most important point made was that not that there weren't going to be any impacts but they would be "minor and temporary". These opinions coming from a group of professionals without backgrounds or experience in water supply. How do they know what will impact the City's water treatment processes?

The responses from Green also go into great detail on the RIDEM Wetlands permitting process. How it took so long and how many comments they received, etc. Again, as you understand, RIDEM does not address issues associated with water supply. Now I'm sure the wetlands will be protected throughout the project but who will be responsible for protection of the raw water supply? The hydro-geological report for the project by EA Engineering identifies the majority of the project is within the Peter River – Blackstone River Water Shed. This is the same water shed that feeds the Reservoirs 1, 2 and 3. EA goes on to say that despite this dramatic change to the water shed, the project will comply with the Town of North Smithfield Zoning Regulation 6.19, Water Supply Protection Overlay District. I have attached a copy of this ordinance and you tell me if, besides not allowing gas stations and hazardous wastes sites in these areas, there is anything in this ordinance that is protective to water supply.

Lastly, as stated above, it has been told that the project was permitted through the Town of North Smithfield Zoning Regulation 6.19, Water Supply Protection Overlay District. This is interesting in that it has been said that the NS Zoning Board was by-passed in the planning process in lieu of the Planning Board so it is not clear how the requirements of this ordinance were incorporated into the project.

I hope that this information is of use to you. If you have any questions or comments, please do not hesitate to contact me directly.

Yours truly,
C&E ENGINEERING PARTNERS, INC.

Thomas B. Nicholson, P.E.
President/Chief Engineer

calculations is presumed to be in violation until such time as that documentation is provided.
(Ord. of 9/21/2015)

Sec. 6.19. Water Supply Protection Overlay District.

6.19.1. Purpose.

The regulations herein governing the development and use of lands within the water supply protection overlay district aquifers shall take precedence over any other conflicting laws, ordinance, or codes, and are established for the following purposes:

- (A) To protect the quality and supply of future and present sources of drinking water for the residents of the Town of North Smithfield and adjacent communities by regulating the use and development of land to protect major stratified drift aquifers and their recharge areas (GAA Classification), surface drinking water supplies and their watersheds, community well-head protection areas, and town-owned non-transient, non-community wellhead protection areas (schools) and to prevent uses of land detrimental thereto;
- (B) To protect the integrity of natural systems;
- (C) To protect the health, safety and general welfare of the public.

6.19.2. Definitions.

For the purpose of this subsection and this ordinance generally, the following terms shall have these meanings:

Aquifer- A saturated and permeable geologic formation that can yield significant quantities of water to wells, springs or surface water bodies.

Community water system- A public water system which serves at least fifteen (15) service connections used by year-round residents or regularly serves at least twenty-five (25) year-round residents.

Discharge to groundwater- The intentional, negligent, accidental, or other release of any pollutant onto or beneath the land surface, in a location where it is likely to enter the groundwater of the State.

Disposal- The deposit, injection, dumping, spilling, leaking, incineration of, or placing of any pollutant or hazardous material(s) into or on any land or water so that such pollutant(s), hazardous material(s) or any constituent thereof may enter the environment.

GAA Classification- Groundwater classified GAA includes those groundwater resources that are known or presumed to be suitable for drinking water use without treatment, including the following:

- (1) The state's major stratified drift aquifers that are capable of serving as a significant source for a public water supply (groundwater reservoirs) and the critical portion of

their recharge areas as delineated by DEM; and

- (2) The wellhead protection area for each public water system community water supply well. Community water supply wells are those that serve resident populations and have at least 15 service connections or serve at least 25 individuals (e.g., municipal wells, and wells serving nursing homes, condominiums, mobile home parks, etc.)

Groundwater-Water located beneath the ground surface which completely fills the open spaces between particles of sediment and within rock formations.

Underground storage tank (UST)-Any one or more combinations of tanks (including underground pipes connected thereto) used to contain petroleum or other hazardous material and which is located wholly or partly beneath the surface of the ground.

Hazardous waste- Any material or combination of materials of a solid, liquid, contained gaseous, or semi-solid form which because of its quantity, concentration or physical, chemical or infectious characteristics may:

- (1) Cause or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or
- (2) Pose a substantial present or potential hazard to human health or the environment.

Such materials include, but are not limited to, those which are toxic, corrosive, flammable, irritants, strong sensitizers, substances which are assimilated or concentrated in and are detrimental to tissue, or which generate pressure through decomposition or chemical reaction and includes septic wastes. In addition, such materials include "industrial waste" as such term is used in the Rhode Island General Laws, as amended, unless the context shall clearly indicate otherwise. Hazardous waste shall also include all waste types as defined in the rules and regulations adopted in accordance with Title 23, Chapter 19.2 of the General Laws of the State of Rhode Island and Providence Plantations, as amended.

Hazardous material- Any material defined as a "hazardous substance" by section 101 (14) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980 (42 USC 9605) as amended. Hazardous Material shall include any hazardous waste as well as any of the following materials: acetone, ethanol, ethylene oxide, methanol, methylene chloride, perchloroethylene and petroleum products. The enumeration of the above materials in not intended in any way to minimize the list of material defined in the aforesaid section.

Hazardous waste management facility- A facility, excluding vehicles, for collection, source separation, storage, processing, treatment, recovery, or disposal of hazardous station for hazardous waste, and may include a facility at which such activities occur and hazardous waste has been generated.

Onsite wastewater treatment system- One installed to provide sanitary sewage disposal by leaching into the ground where no public sewer system is available or accessible.

Pollutant- A man-made or man-induced substance which causes or could cause the alteration of the chemical, physical, biological or radiological integrity of groundwater.

Recharge area of aquifer- Any area in which precipitation percolates to the water table and flows through materials to the aquifer.

Reservoir; A pond, lake, or basin, either natural or artificial, for the storage, regulation, and control of water.

Solid wastes- Useless, unwanted or discarded solid materials with insufficient liquid content to be free-flowing. This includes, but is not limited to, rubbish, combustion residues, garbage, scrap materials, junk, fill material, demolition debris, construction wastes and refuse.

Town-owned non-transient non-community water system- A town-owned non-community water system that regularly services at least 25 of the same persons over six months of the year (e.g., schools).

Water Supply Overlay District- The Water Supply Overlay District includes all land in the Town identified as major stratified drift aquifers and their recharge areas (GAA Classification), surface drinking water supply watersheds, community wellhead protection areas, and town-owned non-transient, non-community wellhead protection areas (schools). The term Water Supply Overlay District shall be synonymous with Groundwater Aquifer Protection Overlay District.

Water Supply Watershed-The portion of land drained by a river and its tributaries to a reservoir used for the storage, regulation, and control of public drinking water.

Water table- The upper surface of the saturated zone in an unconfined aquifer.

Wellhead protection area- The critical portion of a three-dimensional zone, surrounding a community public well or town-owned non-transient non-community well (schools) through which water will move toward and reach such well or well field as designated by the RIDEM and any amendments thereto.

6.19.3. Applicability.

There is hereby established an Water Supply Overlay District (“the District”), which shall be defined as lots of record, or portions thereof, which are indicated as major stratified drift aquifers and their recharge areas (GAA Classification), surface drinking water supply watersheds, community well-head protection areas, and town-owned non-transient, non-community wellhead protection areas (schools) on the Official Zoning Map that is part of this Ordinance, and on file at the Town Clerk’s Office and on display

in the Building Inspector's Office.

The map of the Water Supply Overlay District is based upon natural topography and estimated groundwater recharge flow lines, not property boundaries. The boundaries of the water supply basin and sub watersheds were delineated by the RI Department of Environmental Management (RIDEM) using the United States Geological Survey 7.5 minute quadrangle maps (1:24,000 scale). The primary groundwater protection areas were delineated by the RI DEM pursuant to the methodology described in the Groundwater Quality Rules, June 2010, and amendments thereto. All overlay district boundaries are available through the RI Geographic Information System (RIGIS). The boundaries of the Overlay District may be revised periodically based upon improved data and refined delineations provided by the RIDEM through amendments to Groundwater Quality Rules and RIGIS updates.

The Water Supply Overlay District is superimposed over any other zoning district established by this Ordinance. The regulations imposed by the Water Supply Overlay District shall apply in addition to the regulations of the underlying zoning district. In the event of a conflict or inconsistency between the regulations imposed by the Water Supply Overlay District and those imposed by the underlying district, the regulations imposed by the Water Supply Overlay District shall govern.

6.19.4. Characteristics.

Water generally enters an aquifer by downward percolation from land surface recharge area and moves laterally underground toward areas of natural and man-induced discharge. The soils and subsoil conditions of the lands in the groundwater aquifer zone are such that any use introducing pollutants or hazardous materials into the natural drainage system could adversely affect the quality of drinking water resources, including the waters of the Slattersville and the Woonsocket Water Supply Reservoirs.

6.19.5. Permitted uses.

All uses otherwise permitted in the various zones established by this ordinance that do not cause the introduction of pollutants or hazardous materials into the ground or waters of the Town shall be permitted in the Water Supply Overlay District.

6.19.6. Prohibited uses.

The following uses, except those lawfully maintained pre-existing uses, are specifically prohibited within the Water Supply Overlay District:

- (A) Any uses prohibited (N) in the underlying zoning districts;
- (B) Septic and solid waste management, treatment, or transfer facilities, including, without limitation, landfills, junkyards and salvage yards. Additionally, land disposal of septage and sewage sludge, resource recovery or recycling facilities, and hazardous waste treatment facilities;
- (C) Storage of petroleum or petroleum products, including, without limitation, gasoline service stations, fuel dealers, oil and bottled gas sales and service, and open lot storage of

such fuels. This prohibition shall not apply to the replacement or upgrading of existing underground storage tanks containing petroleum products or hazardous materials and associated piping, having the same storage capacity or less, installed prior to the effective date of these regulations, provided that such activity is regulated by the RI Department of Environmental Management and takes place in accordance with all applicable state and federal regulations;

- (D) Storage of road salt, sand/salt mixtures, or other de-icing chemicals in quantities greater than for normal individual household use. At locations where such materials have been stored prior to the effective date of these regulations, such materials must, at a minimum be covered with a secured, durable, waterproof cover to protect the materials from precipitation, with an impermeable storage and handling surface that will prevent contaminated runoff;
- (E) Manufacture, use, storage, or disposal of toxic or hazardous materials, excluding normal household activities;
- (F) Industrial uses which discharge process liquids on-site, like metal plating, machine shops, metal working shops and welding shops, finishing and polishing, including jewelry manufacturing;
- (G) Commercial chemical users, including but not limited to hairdressers, photographic processors, print shops; and dry cleaners, excluding pick-up or drop off;
- (H) Furniture stripping and refinishing businesses;
- (I) Storage or disposal of hazardous waste, including, without limitation, chemical wastes, radioactive materials, and waste oil other than in the course of normal household activity;
- (J) Boat or motor vehicle service or repair shops, gasoline or diesel-powered engine repair shops and commercial car washes;
- (K) All fossil-fuel fired power plants.
- (L) The storage, disposal, or use as fill of material containing asphalt, concrete, construction debris or stumps, even if determined to be non-hazardous;

6.19.7. Exemptions.

The following uses shall be exempt from the provisions of this subsection:

- (A) Agricultural uses, as defined by subsection 3.4.1 of this ordinance;
- (B) Onsite wastewater treatment systems associated with otherwise permitted uses;
- (C) Storage of petroleum products in a free-standing container within a building for the

purpose of heating that building.

(D) Routine maintenance of buildings and landscape care; however, application of fertilizers and pesticides in close proximity to wetlands and associated state or local buffer areas is not recommended. Enhancement of wetland buffers by allowing natural re-vegetation of native plants or planting in accordance with DEM standards is encouraged.

Notwithstanding any other provision herein, a nonconforming and already permitted use within the Water Supply Overlay District may be continued and maintained so long as it remains otherwise lawful. No such use shall be enlarged, altered, extended, or operated in any way which increases its threat to groundwater quality or otherwise contravenes the purpose and intent of this ordinance.

In the event that a nonconforming use has ceased for a consecutive period of one (1) year, such nonconforming use may not be resumed except in conformity with the provisions of this Section.

6.19.8. Special use permits.

The Special Permit Granting Authority under this Water Supply Overlay District shall be the Zoning Board of Review. Such special permits shall only be granted if the Board determines that the intent of this ordinance and each of its specific criteria are fully met. In making such determination, the Board shall give consideration to the demonstrated reliability and feasibility of the use and pollution control measures proposed and the degree of threat to water quantity and quality which would result if the control measures perform at less than design efficiency. In addition, the Board shall take into consideration the sensitivity of the water body to which the site drains. A water body and its watershed will be considered sensitive if a Total Maximum Daily Load is written or under development for it, or it is included on RIDEM'S 303(d) list, or is included on RIDEM'S list of Special Resource Protection Waters (Appendix D of the Water Quality Regulations), or has been noted by the Town Council or the Comprehensive Plan to be a critical resource of special concern. The Board may impose such conditions, safeguards and limitations as it deems appropriate. The Board shall document the basis for any departures from the recommendations of other town boards or agencies, in its decisions.

6.19.8.1. Technical assistance. To assist its review of applications for special permits, the Board may engage a professional geologist, hydrologist, soil scientist or licensed Rhode Island engineer experienced in groundwater evaluation or hydrogeology to review the application for completeness and accuracy, and shall charge the applicant for the cost of such review. In the use of such professional, the Board may also require said professional to verify information contained in the application, and verify the inclusion of the subject land within the Water Supply Overlay District.

If an application submitted to the Board does not contain adequate data, including field and laboratory measurement results and fully documented calculations, performed and certified by a professional geologist, hydrologist, soil scientist or licensed Rhode Island engineer experienced in groundwater evaluation, or water supply information submitted in support of the application and subject land, whichever is proposed, the Board may engage a professional geologist, hydrologist, soil scientist or licensed Rhode Island engineer experienced in groundwater evaluation or hydrogeology to perform analyses and prepare all data necessary for an accurate evaluation of the application and shall charge applicant for the costs of such information.

6.19.8.2. Application contents. In addition to the requirements of the North Smithfield Zoning Ordinance and any and all applicable state and federal requirements, the following requirements will apply:

(1) Each application for a special permit shall be filed with the Board and shall comply with the Rules and Regulations of the Board. The application, including any plans and accompanying text, shall be sufficient to allow full evaluation of the proposed use and its impacts on the Groundwater District;

(2) The application shall be prepared in accordance with the data requirements of the proposed developed site plan review, erosion and sedimentation control plan, etc.;

(3) The application shall include an analysis by a professional geologist, hydrologist, soil scientist, or licensed Rhode Island engineer experienced in groundwater evaluation or hydrogeology to demonstrate that the proposed activity will not be detrimental to the purpose of the district. At a minimum, the analysis shall fully describe the seasonal profile of the volumes and directions of groundwater and surface water flows with and without the proposed use, the location and use of all present and potentially suitable future drinking water supplies that could be affected by uses, and the location and use of any surface and/or groundwater that could be affected by the proposed use.

The application shall contain adequate date, including field and laboratory measurement results and the fully documented calculations.

(4) The applicant shall present a profile of potential events which could adversely affect the normal range of quality or quantity of water leaving the site. Such events shall include any which could reasonably be expected to occur at least once in the lifetime of the proposed use.

6.19.8.3. Review by other town boards or agencies. Upon receipt of the special permit application, the Zoning Board of Review shall transmit forthwith, a copy of the application to the Planning Board, Conservation Commission, Town personnel, or other such Boards or Agencies as it may deem necessary or appropriate for their written reports. Any such board or agency to which petitions are referred shall make recommendations or submit such reports as they may deem appropriate and shall send a copy thereof to the Planning Board and the applicant within forty-five (45) days of receipt of the application by such board or agency. Failure to make a written recommendation or submit a written report within the thirty-five (35) day period shall be deemed a lack of opposition.

6.19.8.4. Special-use permit approval criteria. After notice and public hearing, and after due consideration of the reports and recommendations of other Town personnel, boards and agencies, the Zoning Board of Review may grant such a special use permit provided that it finds the proposed use:

(1) Will not cause the groundwater quality to fall below the standards established by Rhode Island Department of Environmental Management (DEM), Rhode Island Department of Health (DOH), U.S. Environmental Protection Agency (EPA), Rhode Island Public Law Ch. 3799, 1956, (reenacted 1988 Ch. 84) Chapter 13, and where existing upon determination that the proposed activity will result in no further degradation;

- (2) Is in harmony with the purpose and intent of this ordinance and will promote the purpose of the Water Supply Overlay District;
- (3) Is appropriate to the natural topography, soils, and other characteristics of the site to be developed;
- (4) Will not, during construction or thereafter, have any adverse environmental impact on any water body or course in the Water Supply Overlay District; and
- (5) Will not adversely affect an existing or potential water supply.

6.19.9. Public hearing and decision.

The Board shall hold a public hearing no later than sixty-five (65) days after filing a completed application and may continue a public hearing under this section if it finds that such a continuance is necessary to allow the petitioner or applicant to provide information of an unusual nature and which is not otherwise required as part of a special permit application and to allow sufficient time for remonstrants and public comment.

6.19.10. Design and operation guidelines.

At a minimum, the following design and operation guidelines shall be observed within the Water Supply Overlay District:

- (A) *Fill* - Fill materials used in the Water Supply Overlay District shall contain solid waste, toxic or hazardous materials, or hazardous wastes. Adequate documentation shall be provided to the Zoning Board of Review to guarantee the chemical quality of the fill. Any expenses incurred in laboratory analysis shall be solely at the expense of the applicant.
- (B) *Drainage* - Storm water shall be managed using Low Impact Development (LID) practices to avoid and reduce runoff volume to the maximum extent practicable, as specified in the RI Stormwater Design and Installation Standards Manual and the Rhode Island Stormwater Management Guidance for Individual Single-Family Residential Lot Development, as amended. Where necessary to protect groundwater quality, runoff from paved parking lots, public and private streets, loading areas, storage and operating areas, and other impervious surfaces subject to contamination from road sediments, heavy metals and petroleum products shall be collected and diverted through an oil/water separator prior to discharge to the environment; collected and discharged into a "wet" storm water detention basin capable of achieving water quality enhancement; or diverted toward vegetated filter strips, swales, or bio-retention; or discharged or diverted to other storm water management (facility(s) designed to attenuate runoff and provide pollutant removal capabilities. The Zoning Board of Review may require off-site discharge if on-site discharge is not feasible because of site conditions or is undesirable because of risks to water quality from such recharge.
- (C) The maximum percentage of impervious area for each zone shall be as follows: M-40%, BH-35%, REA-10%, RA-12%, RS-15%, RU-25%, PS-40%, BN-40%, and all other commercial-40%.

Residential lots of record that are non-conforming by area shall meet the requirements of the zone for which their area most nearly matches. Non-conforming lots of less than 15,000 square feet may use 40% impervious cover.

(D) Residential storage tanks for petroleum products may be located outdoors provided that they are located within a containment structure that has an impermeable base and surrounding dike. Such base and dikes shall be constructed of material which is both impermeable and compatible with the material being contained.

(E) Dumpsters which are used to store solid wastes shall be covered or located within a roofed area and have drain plugs intact. No washing or rinsing of dumpsters on-site shall occur.

(F) Conservation Developments are strongly encouraged for all major subdivision and land development projects in the Water supply Overlay Protection District.

All facilities constructed in accordance with this Section shall be maintained by the owner so as to assure their ability to function as designed. Failure to properly maintain said facilities shall constitute a violation of this Ordinance and is subject to enforcement action by the Town.

6.19.11. Enforcement and violations.

6.19.11.1. Enforcement- It is the intent of this Ordinance that, except in the cases of a Special Permit, all questions of interpretation and enforcement shall first be presented to the Zoning Enforcement Officer and that all questions shall be presented to the Zoning Board of Review only on an appeal from the Officer. Interpretation, enforcement and appeals shall be conducted in compliance with Section 18 of the ordinance.

6.19.11.2. Violations - Written notice, via certified mail, of any violation of this ordinance shall be given by the Officer to the responsible person within forty-eight (48) hours of detection of the violation, specifying the requirement or restriction violated, the actions necessary to remove or remedy the violations, preventive measures required for avoiding future violations and a schedule of compliance. The costs of containment, cleanup, or other action of compliance shall be borne by the owner or operator of the premises.

6.19.12. Fee schedule.

A schedule of fees, charges, expenses and penalty fees shall be established in conformation with section 12, subsection 12.1 of the North Smithfield Zoning Ordinance.

(Ord. of 04/01/2013)

Section 6.20 Conservation Developments

6.20.1. Purposes. The purposes of this section entitled Conservation Developments, are:

A. To protect natural resources, including but not limited to those areas containing woodlands, unique or specimen vegetation, streams, floodplains, wetlands, aquifers to their recharge areas, agricultural lands, wellheads and vernal pools, by setting them aside from development;

TOWN OF NORTH SMITHFIELD
OFFICE OF THE PLANNING DEPARTMENT

May 14, 2020

John Mancini (via email)
Mancini Carter PC
56 Pine Street, 3rd Floor
Providence, RI 02903

Re: Final Application - Certificate of completeness
Solar Array GD IM 1-9

Dear Mr. Mancini:

Please be advised, upon receipt of your client's _____ letter, I have certified the application complete for review by the Planning Board.

The Zoom virtual meeting will occur on _____ and will begin at 7:05 p.m.

Respectfully,

TK

Thomas J. Kravitz, Town Planner

Cc: Kevin Morin, PE via email

Vendor	TOW200	Town of North Smithfield	Check 8825	03/30/20	
Trx No	Invoice No	Inv Date Job/Description	Gross	Discount	Check Amount
9702	032320	03/23/20 Final Submission F	600.00		600.00
			600.00	0.00	600.00

THE REVERSE SIDE OF THIS DOCUMENT INCLUDES MICROPRINTED ENDORSEMENT LINES AND ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW



GREEN DEVELOPMENT, LLC
3760 QUAKER LANE
NORTH KINGSTOWN, RI 02852

BANK NEWPORT
NEWPORT, RI 02840

8825

57-7464/2115

CHECK NO.

8825

*****SIX HUNDRED DOLLARS AND 00 CENTS*****	DATE	AMOUNT
--	------	--------

03/30/20

*****600.00

PAY
TO THE
ORDER
OF
TOWN OF NORTH SMITHFIELD
ONE MAIN STREET
SLATERSVILLE RI 02876

WCR
VOID AFTER 90 DAYS
AUTHORIZED SIGNATURE



#008825# 211574642# 150000364904#

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Ralph & Muriel Ferra

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____ 0 Iron Mine Hill Road

PLAT: 17 LOT: 175 ACCOUNT NO.: 302

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbng _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200 ____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC
2000 Chapel View Blvd., Suite 500
Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer FERRA RALPH F & MURIEL J

Penalty as of: 04/09/2020

1081 IRON MINE HILL ROAD
N SMITHFIELD RI 02896-8111

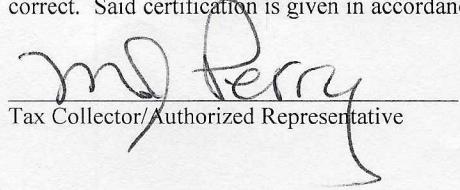
Parcel: 017-175

Location: 0 IRON MINE HILL RD

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2012 Tng Tax Roll	15-0252-85	Tangible	C/O MICHAEL O'SULLIVAN	8,565.72	6,807.73	5,990.80	12,798.53
2013 Tng Tax Roll	15-0252-85	Tangible	C/O MICHAEL O'SULLIVAN	8,545.73	8,545.73	6,836.58	15,382.31
2019 RP Tax Roll	06-0159-99	Real	017-175 at IRON MINE HILL RD	5,149.78	2,574.88	154.49	2,729.37
Total:							30,910.21

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.


Tax Collector/Authorized Representative

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Ralph & Muriel Ferra

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____ 1105 Iron Mine Hill Road

PLAT: 16 LOT: 97 ACCOUNT NO.: 3590

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbng _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC

2000 Chapel View Blvd., Suite 500

Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer FERRA RALPH

Penalty as of: 04/09/2020

MURIES J/T

Parcel: 016-097

1105 IRON MINE HILL ROAD

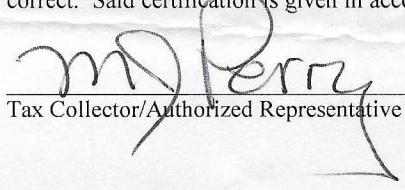
Location: 1105 IRON MINE HILL RD

NORTH SMITHFIELD RI 02896-8111

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	06-0159-84	Real	016-097 at 1105 IRON MINE HILL	3,810.77	0.00	0.00	0.00
Total:							0.00

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.


Tax Collector/Authorized Representative

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Ralph & Muriel Ferra

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____
1115 Iron Mine Hill Road

PLAT: 16 LOT: 6 ACCOUNT NO.: 1390

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbing _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200 ____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC
2000 Chapel View Blvd., Suite 500
Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer FERRA RALPH F & MURIEL J

Penalty as of: 04/09/2020

1081 IRON MINE HILL ROAD
N SMITHFIELD RI 02896-8111

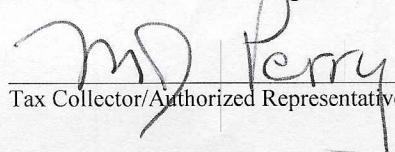
Parcel: 016-006

Location: 1115 IRON MINE HILL RD

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	06-0160-00	Real	016-006 at 1115 IRON MINE HILL	9,529.73	4,764.86	285.89	5,050.75
2019 TNG Tax Roll	09-0068-10	Tangible	IRONWOODS GOLF PRACTICE F	958.80	479.40	28.76	508.16
Total:							5,558.91

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.



Tax Collector/Authorized Representative

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Ralph & Muriel Ferra

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____ 11 Prince Road

PLAT: 13 LOT: 12 ACCOUNT NO.: 1393

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbing _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200 ____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC

2000 Chapel View Blvd., Suite 500

Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer FERRA RALPH F & MURIEL J

Penalty as of: 04/09/2020

1081 IRON MINE HILL ROAD
N SMITHFIELD RI 02896-8111

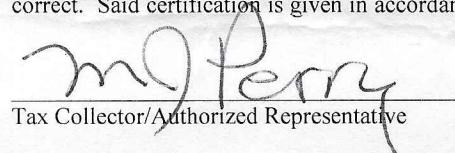
Parcel: 013-012

Location: 11 PRINCE RD

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	06-0160-01	Real	013-012 at 11 PRINCE RD	4,267.84	0.00	0.00	0.00
Total:							0.00

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Tax Collector/Authorized Representative

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Ralph & Muriel Ferra

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: Off Sayles Hill Road

PLAT: 13 LOT: 51 ACCOUNT NO.: 1394

Real Estate Tax December 31, 200 _____ \$ _____

Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbing _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200 ____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC

2000 Chapel View Blvd., Suite 500

Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer FERRA RALPH F & MURIEL J

Penalty as of: 04/09/2020

1081 IRON MINE HILL ROAD
N SMITHFIELD RI 02896-8111

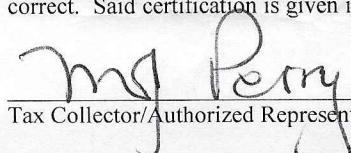
Parcel: 013-051

Location: OFF SAYLES HILL RD

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	06-0160-02	Real	013-051 at SAYLES HILL RD	18.88	0.00	0.00	0.00
Total:							0.00

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.


mg Perry
Tax Collector/Authorized Representative

J. FINAL PLAT CHECKLIST
MAJOR LAND DEVELOPMENTS AND MAJOR SUBDIVISIONS

The applicant shall submit to the Administrative Officer copies of final site plans and supporting materials as indicated below:

A. Plat Plans to be Recorded -Two copies of the final plat plan drawn on mylar to a scale of 1"=50'. The scale may be modified with the permission of the Administrative Officer. In addition least ten (10) or photocopies shall also be submitted. Each sheet shall be no larger than 24" x 36", and a sufficient number of sheets shall be included to clearly show all of the information required. Sheets shall be numbered sequentially (e.g., sheet 1 of 3, 2 of 3, etc.). The following information shall be shown on the plans:

1. Name of the proposed subdivision.
2. Notation that the subdivision is located in the Town of North Smithfield, RI.
3. Name and address of property owner and applicant.
4. Name, address and telephone number of engineer or land surveyor.
5. Date of plan preparation, with revision date(s) (if any).
6. Graphic scale and true north arrow.
7. Inset locus map at 1"=2000'
8. Plat and lot number(s) of the land being subdivided.
9. Zoning district(s) of the parcel being subdivided. (If more than one district, zoning boundary lines must be shown.)
10. Perimeter boundary lines of the subdivision, drawn so as to distinguish them from other property lines.
11. Location and dimensions of existing property lines easements and rights-of-way within or immediately adjacent to the parcel being subdivided.
12. Location, width and names of proposed and existing streets within and immediately adjacent to the parcel being subdivided.
13. Names of abutting property owners and property owners immediately across any adjacent streets.

14. n/a Location of proposed permanent bounds.

15. x Location of all interior lot lines and street lines with accurate dimensions indicated.

16. n/a Location and number of all proposed lots, with accurate areas indicated.
No new lots proposed

17. x Location and notation of type of proposed easement(s) or existing easement(s) to remain (if any) with accurate dimensions and areas indicated.

18. x Notation of special conditions of approval imposed by the Planning Board (if any).

19. x Notation of any permits and agreements with state and federal reviewing agencies (if any).

20. n/a Phasing schedule (if any).

21. x Certification by a Registered Land Surveyor that all interior and perimeter lot lines and street lines of the land being subdivided have been designed to conform to Class I survey requirements and are certified as being correct.

B. Construction Drawings - Ten (10) blue line or photocopies of construction plans drawn to a scale of 1"=50'. The scale may be modified with the permission of the Administrative Officer. Each sheet shall be no larger than 25" x 36", and a sufficient number of sheets shall be included to clearly show all of the information required. Sheets shall be numbered sequentially (e.g., sheet 1 of 3, 2 of 3, etc.).

1. x Final construction plans as listed in the preliminary plat checklist, including plans of any additional improvements as required by the Planning Board as a condition of approval.
2. x Certification of a Registered Professional Engineer that the plan is correct.
3. n/a For phased projects, as-built drawings for the previous phase.

C. Supporting Materials

1. x Certificate of the Tax Collector showing that all taxes due on the parcel being subdivided have been paid for a period of two (2) years prior to filing of the final plat and that there are no outstanding municipal liens on the parcel.
2. x Performance bond or other financial guarantees (if applicable).
To be provided pursuant to Town Council agreements

3. n/a Two original signed copies of all legal documents describing the property creating a Homeowners' Association, proposed easements and rights-of-way, dedications, restrictions, or other required legal documents.

Specify: _____

4. n/a Two signed copies of an irrevocable offer to convey to the Town all public streets and/or other public improvements, accompanied by a metes and bounds description of said areas.

5. n/a Deed transferring land proposed for dedication to the Town or other qualified group or agency for open space purposes.

6. n/a Yield Plan, if modified from preliminary stage of review

D. Payment of Required Fees - Payment of the following fees or posting of financial guarantees, if required, to be prior to endorsement by the Planning Board and recording of final plans:

1. x Administrative (Filing) Fee: See Section 9-10.
tbd Final plat recording fee - Amount _____

3. _____ Performance bond or other financial guarantees
Initial amount _____
Date set by Planning Board _____
Date of Expiration of Bond _____

4. _____ Fees in-lieu-of land dedication - Amount _____

5. _____ Inspection fee - Amount _____

6. _____ Maintenance bond for acceptance of public improvements (if applicable)
Amount _____
Date of Council Acceptance _____
Description _____
Date of Expiration of Maintenance Bond _____

TOWN OF NORTH SMITHFIELD
OFFICE OF THE PLANNING DEPARTMENT

May 15, 2020

John Mancini (via email)
Mancini Carter PC
56 Pine Street, 3rd Floor
Providence, RI 02903

Re: Final Plan Application - Certificate of completeness
Solar Array GD IM 1-9

Dear Mr. Mancini:

Please be advised the above-referenced application has been certified complete and placed on an Agenda to be crafted for Tuesday, May 26, 2020 using Zoom.

The Agenda will be forthcoming early next week.

Please call me if you should have questions.

Respectfully,

TK

Thomas J. Kravitz, Town Planner

Cc: Kevin Morin, PE via email

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OFFICE OF THE PLANNING DEPARTMENT

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Respectfully,

TK

Thomas J. Kravitz, Town Planner

Cc: Kevin Morin, PE via email



April 23, 2020

Thomas J. Kravitz, Town Planner
Town of North Smithfield Planning Dept.
P.O. Box 248
North Smithfield, RI 02876

RE: Iron Mine Solar – Preliminary Approval Conditions

Dear Mr. Kravitz,

We have prepared this overall summary of the preliminary conditions of approval and the steps that have been taken to incorporate and/or address the conditions as part of the final submission for Planning Board review and approval.

Conditions of Preliminary Plan Approval

- 1. The developer and solar array operator shall pay the fee for the Town's independent engineer, hired by the Town, to monitor all phases of construction for compliance with local and state laws as well as provisions of this approval with monthly peer review updates provided to the Planning Board as part of staff's report.**

No action needed. Green agrees with this condition of approval.

- 2. Install a minimum of 5 monitoring wells within two blast zones. Water test design, frequency, and data presentation to be developed by applicant and peer reviewer with an approach presented with Final Application. Results of well testing are public record.**

RPS Group has prepared a proposal for water test design, frequency, locations and data presentation for the Town of North Smithfield and peer reviewer to evaluate. This is included under separate cover. The results will be provided to the Town's Peer Reviewer, the Town Planner, and the City of Woonsocket Water Department.

- 3. Peer review to oversee all work in historical salvage areas with said areas to be tested for soil contamination prior to earthwork. All contaminated soils, if present, shall be remediated in accordance with RIDEM waste management regulations.**

RPS has prepared a proposal for addressing this condition as well condition 15 related to testing before blasting. See attached response from RPS.

- 4. Vegetative maintenance plan to use mowers (cut) as opposed to pesticides or herbicides. Applicant to submit vegetative maintenance plan with Final Application.**

Natural Resource Services, Inc. has prepared a 5-year vegetative maintenance plan as part of the final submission. Pesticides/ Herbicides are not proposed.

5. Create gated access to protected archeological sites to allow Heritage Association access upon request.

The proposal in the final plan is to include the preservation areas within the overall solar fence. The panels within this area have been removed and trees will only be flush cut (no stump removal) to minimize disturbance. Access can be provided periodically as needed with the Heritage Association with appropriate indemnification to the project and property owners as needed.

6. Applicant to further investigate and separately fence multiple archeological sites with assistance from the Town's Heritage Association, or, remove GDIM 3 entirely. Decision to be presented with Final plan application.

See Response to #5, above.

7. If solar project power is increased above 38.4 megawatts AC, the project shall require Planning Board review. If increased above 40 megawatts, require Rhode Island Energy Facility Siting Board Review. Applicant shall obtain input from National Grid regarding the potential for increased usage of the substation and submit said input with Final plan application.

A note has been added to the final plans to address this condition. The project will not exceed 38.4 MW AC.

Based on our discussion with National Grid it is our understanding that any increased usage or expansion of the substation in the future will require coordination with the Town through the appropriate review process.

8. Applicant must submit a Bond to protect Iron Mine Hill Rd - bond amount to be established by peer reviewer and submitted with Final Plan Application.

Green provided the Town a cost to mill and overlay Iron Mine Hill Road if it were needed after construction. Green proposed a bond for \$150,000 and are awaiting confirmation on the amount. Green also coordinate with BETA to provide a scope of work for pre-condition and post condition survey of the 1 mile distance from the site entrance to Farnum Pike. Green executed BETA's proposal and this work is currently in progress. The pre-condition results will be provided to the Town Planner, Public Works Director, and the Town's peer review engineer. The post condition results not anticipated to be needed until late 2021 will be similarly shared.

9. Applicant shall comply with ambient sound testing as required per zoning section 5.7. Ig and 5.7.5.e.2 Locate, on a plan, all areas from where sound readings were taken. Confirm with National Grid that the substation will also follow Town noise ordinance.

The required ambient sound testing will be conducted upon preparation of the Site. The locations where reading will be taken, methodology, etc. will be provided to the Town in advance of this work. National Grid's substation will also need to follow the Town's noise ordinance.

10. Provide Health Product Declarations/Environmental Product Declarations on all panels installed on site. If any are to be replaced, they are to provide new

product data. All panels to be silicon in nature and not contain toxins.

MSDS sheets were provided at the preliminary stage of review. Our contact with the panel supplier indicated the Health Product Declarations / Environmental Product Declarations are not available. We will reconfirm this at the time the panel order is placed and update the Town accordingly.

11. Submit landscaping plan as discussed for Plat 12, lot 291 and submit with Final Plan Application. Applicant to maintain said buffer per zoning section 5.7.5.g.1

A final landscape plan prepared by BETA is included with the final submission.

12. Exterior lighting for the substation control building will consist of a south-facing light controlled by a motion sensor . All lighting at substation shall be dark sky compliant with no offside lighting impacts. Applicant to ensure National Grid is aware of this condition with input from National Grid submitted with Final Application.

With respect to the control building National Grid confirmed that there will be a light on the north side (transmission ROW side) of the building. National Grid has specified the control building lighting to be dark sky compliant and normally off and manually controlled. Outdoor lighting on 25 foot tall light poles around the inside perimeter of the fence is also required for nighttime emergency work in the event of equipment failure. These lights are also manually controlled and normally off.

13. Solar array operator shall coordinate with Conservation Commission to visit the site annually to observe pollinator meadow growth along with access to peer review reports.

DiPrete Engineering has added a note to the final plan set incorporating this condition. Site visits will require escort by the owner/operator.

14. Operator shall notify Planner and or Building Inspector prior to cleaning panels; use only water to clean panels.

DiPrete Engineering has added a note to the final plan set incorporating this condition.

15. Blasting plan depicting blasting areas, as approved by the State Fire Marshal, shall be submitted to the Town prior to blasting. No toxins shall be used in the blasting process and soil testing in all former salvage areas, as well as those areas identifying in the applicant's archeological reports, shall be tested prior to blasting.

The blasting contractor will be required to obtain the necessary state fire marshal and local permits prior to blasting and in accordance with local ordinances. See also response to #3.

16. Upon request by a property owner who owns a well within 1,000 feet of a blast site, the applicant shall test well capacity and water quality before blasting operation begins.

DiPrete Engineering has added a note to the final plan set incorporating this condition.

17. Peer review shall be provided a construction schedule with key milestones as to make for efficient use of peer review time.

A preliminary project schedule is provided. This will be adjusted with additional detail as the project progresses.

18. Applicant must satisfy the City of Woonsocket Water Department regarding their letter dated March 4,2020, and, the City's peer review needs with evidence to such submitted with Final plan application.

We have received the correspondence of March 4, 2020 and correspondence dated March 23, 2020 including the City's peer review memorandum. Attached with this final submission are follow-up materials submitted to the City of Woonsocket in response.

19. Applicant shall submit liability insurance as required by zoning section 5.7.5.q.

Attached are copies of liability insurance to satisfy Zoning section 5.7.5.q. The Town and the GDIM entity are both listed on the certificates of insurance.

20. Applicant to discuss potential for conservation easement to protect archeological areas and report back at Final plan application.

The final plan depicts the area around the archaeological areas to remain with no solar proposed. We propose that the original solar chain link fence location remain and as a result the solar lease area and fence will serve to protect the archaeological area over the life of the lease. During construction, a temporary snow fence will be placed as a visual barrier. Trees within this zone will be flush cut with no removal of stumps or roots proposed.

21. Applicant to support evidence of enforcement regarding construction traffic plan and include notification to National Grid contractors and subcontractors (being mindful of speed limits given presence of school properties in the area).

Attached is a memo outlining the construction traffic plan. We have requested that National Grid include this in the bidding documents for the substation so that it is incorporated accordingly.

We look forward to working with the Planning Board on the final approval for the project.

Regards,

Green Development, LLC

Kevin Morin, PE

Director of Engineering and Project Development

cc: John Mancini, Mancini-Carter, PC

Eric Prive, PE, DiPrete Engineering

Tom Daley, RPS Group

Attachment 1 : Final Plan Application and Checklist



TOWN of NORTH SMITHFIELD PLANNING DEPARTMENT

One Main Street
Slatersville, RI 02876
Phone: 767-2200 Fax: 766-0016

APPENDIX B: APPLICATION FOR SUBDIVISION AND LAND DEVELOPMENT PROJECTS

The undersigned owner of land hereby requests to be placed on the agenda of the North Smithfield Planning Board and state that the required information detailed in the Subdivision Regulations of the Town of North Smithfield have been presented to the Administrative Officer.

John Mancini _____ of _____ Mancini Carter PC
is hereby designated as the person to whom legal process may be served in condition with any
proceedings arising out of this application. I/We also certify that the undersigned is the owner of the
property designated below:

Name of Project: GD IM 1-9 Date: 4/21/20

Classification	Type of Project	Review Stage
<input type="checkbox"/> Minor	<input type="checkbox"/> Administrative	<input type="checkbox"/> Pre-Application/Concept
<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Master Plan
	<input checked="" type="checkbox"/> Land Development Project	<input type="checkbox"/> Preliminary Plan
		<input checked="" type="checkbox"/> Final Plan

1. Assessor's Plat(s) 12 Assessor's Lot(s) 136B, 137
2. Number of Lots: No change 3. Zoning Designation(s): RA
4. Street Name: Iron Mine Hill Road
5. Divider/ Developer: GD IM 1-9, LLC (see attached)
6. Divider's/ Developer's Name: Mark DePasquale

Divider's/ Developer's Name:

(Please Print)

(Signature)

7. Names, addresses, and signatures of all persons with 10% or more interest:

8

Faudoo Khan

(Signature)

Faridoon Kham

Faridox

KHAAL

(Signature)

(Please Print)

8. Surveyor/ Engineer/ ^{*}Attorney/ ^{*}Representative: Mancini Carter PC

Name: John Mancini - Mancini Carter PC

Address: 56 Pine Street, 3rd Floor, Providence, RI 02903

Daytime Telephone # (401)343-7000 Fax number (401)343-5555

Telephone # (401)545-7000 Facsimile # (401)545-7777

(The owner hereby grants permission to Planning Board members and other Town officials to enter the designated property for the purpose of inspection after notifying the owner 48 hours in advance of site visit.)

See attached



**TOWN of NORTH SMITHFIELD
PLANNING DEPARTMENT**

One Main Street
Slaterville, RI 02876
Phone: 767-2200 Fax: 766-0016

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	<input checked="" type="checkbox"/> Land Development Project	<input type="checkbox"/> Preliminary Plan
		<input checked="" type="checkbox"/> Final Plan

1. Assessor's Plat(s) 13 Assessor's Lot(s) 12 & 51
2. Number of Lots: No change 3. Zoning Designation(s): RA
4. Street Name: Iron Mine Hill Road
5. Divider/ Developer: GD IM 1-9, LLC (see attached)
6. Divider's/ Developer's Name: Mark DePasquale

Divider's/ Developer's Name: (Please Print)
Mile
(Signature)

7. Names, addresses, and signatures of all persons with 10% or more interest:

Ralph Ferra _____ Ralph Ferra _____
(Signature) (Please Print)
Muriel Ferra _____ Muriel Ferra _____
(Signature) (Please Print)

8. Surveyor/ Engineer/ Attorney/ Representative: Mancini Carter PC

Name: John Mancini - Mancini Carter PC _____

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**TOWN of NORTH SMITHFIELD
PLANNING DEPARTMENT**

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1. Assessor's Plat(s) 16 17 Assessor's Lot(s) 6 & 97 175

2. Number of Lots: No change 3. Zoning Designation(s): RA

4. Street Name: Iron Mine Hill Road

5. Divider/ Developer: GD IM 1-9, LLC (see attached)

6. Divider's/ Developer's Name: Mark DePasquale

(Please Print)

Divider's/ Developer's Name: (X) M. DePasquale

(Signature)

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<u>(X) Ralph Ferra</u> (Signature)	Ralph Ferra (Please Print)
<u>(X) Muriel Ferra</u> (Signature)	Muriel Ferra (Please Print)

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See attached

Vendor	TOW200	Town of North Smithfield	Check 8825	03/30/20	
Trx No	Invoice No	Inv Date Job/Description	Gross	Discount	Check Amount
9702	032320	03/23/20 Final Submission F	600.00		600.00
			600.00	0.00	600.00

THE REVERSE SIDE OF THIS DOCUMENT INCLUDES MICROPRINTED ENDORSEMENT LINES AND ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW



GREEN DEVELOPMENT, LLC
3760 QUAKER LANE
NORTH KINGSTOWN, RI 02852

BANK NEWPORT
NEWPORT, RI 02840

8825

57-7464/2115

CHECK NO.

8825

*****SIX HUNDRED DOLLARS AND 00 CENTS*****	DATE	AMOUNT
--	------	--------

03/30/20

*****600.00

PAY
TO THE
ORDER
OF
TOWN OF NORTH SMITHFIELD
ONE MAIN STREET
SLATERSVILLE RI 02876

WCR
VOID AFTER 90 DAYS
AUTHORIZED SIGNATURE



#008825# 211574642# 150000364904#

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MAJOR LAND DEVELOPMENTS AND MAJOR SUBDIVISIONS

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5. Date of plan preparation, with revision date(s) (if any).
6. Graphic scale and true north arrow.
7. Inset locus map at 1"=2000'
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10. Perimeter boundary lines of the subdivision, drawn so as to distinguish them from other property lines.
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No new lots proposed

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21. x Certification by a Registered Land Surveyor that all interior and perimeter lot lines and street lines of the land being subdivided have been designed to conform to Class I survey requirements and are certified as being correct.

B. Construction Drawings - Ten (10) blue line or photocopies of construction plans drawn to a scale of 1"=50'. The scale may be modified with the permission of the Administrative Officer. Each sheet shall be no larger than 25" x 36", and a sufficient number of sheets shall be included to clearly show all of the information required. Sheets shall be numbered sequentially (e.g., sheet 1 of 3, 2 of 3, etc.).

1. x Final construction plans as listed in the preliminary plat checklist, including plans of any additional improvements as required by the Planning Board as a condition of approval.
2. x Certification of a Registered Professional Engineer that the plan is correct.
3. n/a For phased projects, as-built drawings for the previous phase.

C. Supporting Materials

1. x Certificate of the Tax Collector showing that all taxes due on the parcel being subdivided have been paid for a period of two (2) years prior to filing of the final plat and that there are no outstanding municipal liens on the parcel.
2. x Performance bond or other financial guarantees (if applicable).
To be provided pursuant to Town Council agreements

3. n/a Two original signed copies of all legal documents describing the property creating a Homeowners' Association, proposed easements and rights-of-way, dedications, restrictions, or other required legal documents.

Specify: _____

4. n/a Two signed copies of an irrevocable offer to convey to the Town all public streets and/or other public improvements, accompanied by a metes and bounds description of said areas.

5. n/a Deed transferring land proposed for dedication to the Town or other qualified group or agency for open space purposes.

6. n/a Yield Plan, if modified from preliminary stage of review

D. Payment of Required Fees - Payment of the following fees or posting of financial guarantees, if required, to be prior to endorsement by the Planning Board and recording of final plans:

1. x Administrative (Filing) Fee: See Section 9-10.
tbd Final plat recording fee - Amount _____

3. _____ Performance bond or other financial guarantees
Initial amount _____
Date set by Planning Board _____
Date of Expiration of Bond _____

4. _____ Fees in-lieu-of land dedication - Amount _____

5. _____ Inspection fee - Amount _____

6. _____ Maintenance bond for acceptance of public improvements (if applicable)
Amount _____
Date of Council Acceptance _____
Description _____
Date of Expiration of Maintenance Bond _____

Attachment 2: RPS Group Letter Addressing Conditions 2, 3, 15, and 18

Date: April 22, 2020

55 Village Square Drive
South Kingstown RI 02879
T +1 401 789 6224

Mr. Kevin Morin
Green Development, LLC
3760 Quaker Lane
North Kingstown, Rhode Island 02852

**RE: Response to Conditions of Preliminary Approval
GDIM 1-9, Iron Mine Hill Road Solar
North Smithfield, Rhode Island**

Dear Mr. Morin:

As requested by Green Development, LLC. (Green Development), RPS Group Inc. (RPS) has prepared this letter describing the proposed actions to be taken based on the town of North Smithfield's Preliminary Plan Decision of Approval for the above-referenced project. Specifically, this letter addresses item numbers: 2, 3, 15 and 18 of the Conditions of Preliminary Plan Approval.

Proposed Actions

Condition #2 - *Install a minimum of 5 monitoring wells within two blast zones. Water test design, frequency, and data presentation to be developed by applicant and peer reviewer with an approach presented with Final Application. Results of well testing are public record.*

Proposed Actions – Subject to review by the town's peer reviewer, Pare Corporation (Pare), RPS and a drilling subcontractor will install five groundwater monitoring wells in key down-gradient locations around the perimeter of the proposed blast areas on the project site. The wells will be located in areas adjacent to the limits of disturbance in areas where no blasting or grade changes are proposed. Locations of the proposed wells are depicted on **Figure 1**. The monitoring wells will be installed at a depth of approximately 6 feet below the field observed groundwater table. Each well will be constructed of PVC well materials, consisting of a ten foot well screen and a solid riser pipe extending to the ground surface. A bentonite seal will be installed in the annular space around the riser pipe to prevent surface water from entering the well. All wells will be finished with a locking steel guard pipe cemented in place.

After construction, the wells will be developed to purge of any sand or sediment from the well and left to recover. After recovery all wells will be sampled using standard sampling techniques. Quality control procedures will include collection of a duplicate sample from one of the wells. Collected samples will be placed in laboratory pre-cleaned sample containers and stored in a cooler at approximately 4° C. The

samples will be transported under chain-of-custody protocol to a Rhode Island state certified laboratory for analyses. Each sample will be analyzed for the following constituents which may be associated with blasting: nitrate, nitrite, sulfates and perchlorate. The wells will be sampled a minimum of two times:

- Prior to commencement of blasting operations; and
- Within two weeks following completion of blasting operations.

The laboratory results will be compared to the appropriate RIDEM GA groundwater criteria and any exceedance of the criteria will be identified and reported if required by RIDEM regulations. If a reportable condition is identified A draft report will be prepared detailing the findings of the investigation and submitted to Pare for review and comment. Upon receipt of comments from Pare, a final report will be prepared and submitted to Green Development and the town of North Smithfield.

Condition #3 - *Peer review to oversee all work in historical salvage areas with said areas to be tested for soil contamination prior to earthwork. All contaminated soils, if present, shall be remediated in accordance with RIDEM waste management regulations.*

Proposed Actions – Subject to review by Pare, RPS and Green Development will conduct subsurface soil investigation in the historic auto salvage areas located within the limits of disturbance of the proposed project. Additional soil investigation will also be conducted in the four areas where post cultural automobile related materials were identified during the archeological survey of the site. The soil testing will consist of the excavation of a total of 22 test holes. The soil testing will consist of 18 test holes to be conducted in a grid pattern across the former auto salvage areas and four additional test holes to be conducted in the archeological survey areas. The proposed locations of the test holes are depicted on **Figure 2**.

Each test hole will consist of excavation of a hole using a backhoe to a depth of approximately 10 feet or refusal if less than 10'. The soils will be logged for characterization purposes and inspected for visual and/or olfactory evidence of contamination. Soils samples from various depths within each hole will be field screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). Ten soil samples will be collected for laboratory analyses. The ten samples chosen will be from the test holes exhibiting the greatest evidence of contamination (either from PID readings or visual evidence). If no evidence of contamination is observed the samples to be analyzed will be chosen randomly to cover a representative area of the entire investigation area.

Quality control procedures will include collection of a duplicate sample from one of the test holes. Collected samples will be placed in laboratory pre-cleaned sample containers and stored in a cooler at approximately 4° C. The samples will be transported under chain-of-custody protocol to a Rhode Island state certified laboratory for analyses. Each sample will be analyzed for the following constituents commonly associated with auto salvage areas: VOCs, total petroleum hydrocarbons (TPH), total lead, total mercury, and ethylene glycol.

The laboratory results will be compared to the appropriate RIDEM soil criteria and any exceedance of the criteria will be identified and reported if required by RIDEM regulations. A draft report will be prepared detailing the findings of the investigation and submitted to Pare for review and comment. Upon receipt of

comments from Pare, a final report will be prepared and submitted to Green Development and the town of North Smithfield.

Condition #15 - *Blasting plan depicting blasting areas, as approved by the State Fire Marshal, shall be submitted to the Town prior to blasting. No toxins shall be used in the blasting process and soil testing in all former salvage areas, as well as those areas identifying in the applicant's archeological reports, shall be tested prior to blasting.*

Proposed Actions – A blasting plan will be prepared by the selected blasting contractor and will be submitted to the State Fire Marshall and the Town of North Smithfield in accordance with applicable state and local regulations. A site plan depicting the extents of the areas where rock blasting is to occur will also be submitted to the Town. The blasting plan will include a prohibition of the use of perchlorate containing (toxic) blasting agents for the project.

Soil testing as described above will be conducted prior to blasting operations in the historic auto salvage areas located within the limits of disturbance of the proposed project; and in the four areas where post cultural automobile related materials were identified during the archeological survey of the site.

Condition #18 - *Applicant must satisfy the City of Woonsocket Water Department regarding their letter dated March 4, 2020, and, the City's peer review needs with evidence to such submitted with Final plan application.*

Proposed Actions – Subject to review by Pare, RPS will conduct surface water sampling of Spring Brook. Surface water sampling will consist of collection of grab samples at two locations on Spring Brook: at the source of the brook (the outlet of the large on-site wooded swamp wetland); and from the brook channel where it exits the project property. The proposed sampling locations are depicted on **Figure 1**.

Surface water samples will be collected using clean disposable plastic bailers. Collected samples will be placed in laboratory pre-cleaned sample containers and stored in a cooler at approximately 4° C. The samples will be transported under chain-of-custody protocol to a Rhode Island state certified laboratory for analyses. Per recommendation of the City of Woonsocket Water Division, each sample will be analyzed for the following constituents which may be associated with soil disturbance and auto salvage operations: VOCs, TPH, ethylene glycol, turbidity, total suspended solids (TSS) and settleable solids. Surface water samples will be collected two times:

- Prior to commencement of construction activities, and
- Within two weeks following completion of construction activities.

The laboratory results will be compared to the appropriate RIDEM surface water criteria and any exceedance of the criteria will be identified and reported if required by RIDEM regulations. A draft report will be prepared detailing the findings of the investigation and submitted to Pare for review and comment. Upon receipt of comments from Pare, a final report will be prepared and submitted to Green Development, the town of North Smithfield, and Woonsocket Water Superintendent.

If you have any questions regarding this, please feel free to contact me at (401) 661-8646.

Our Ref: Iron Mine Solar, Project # 207430



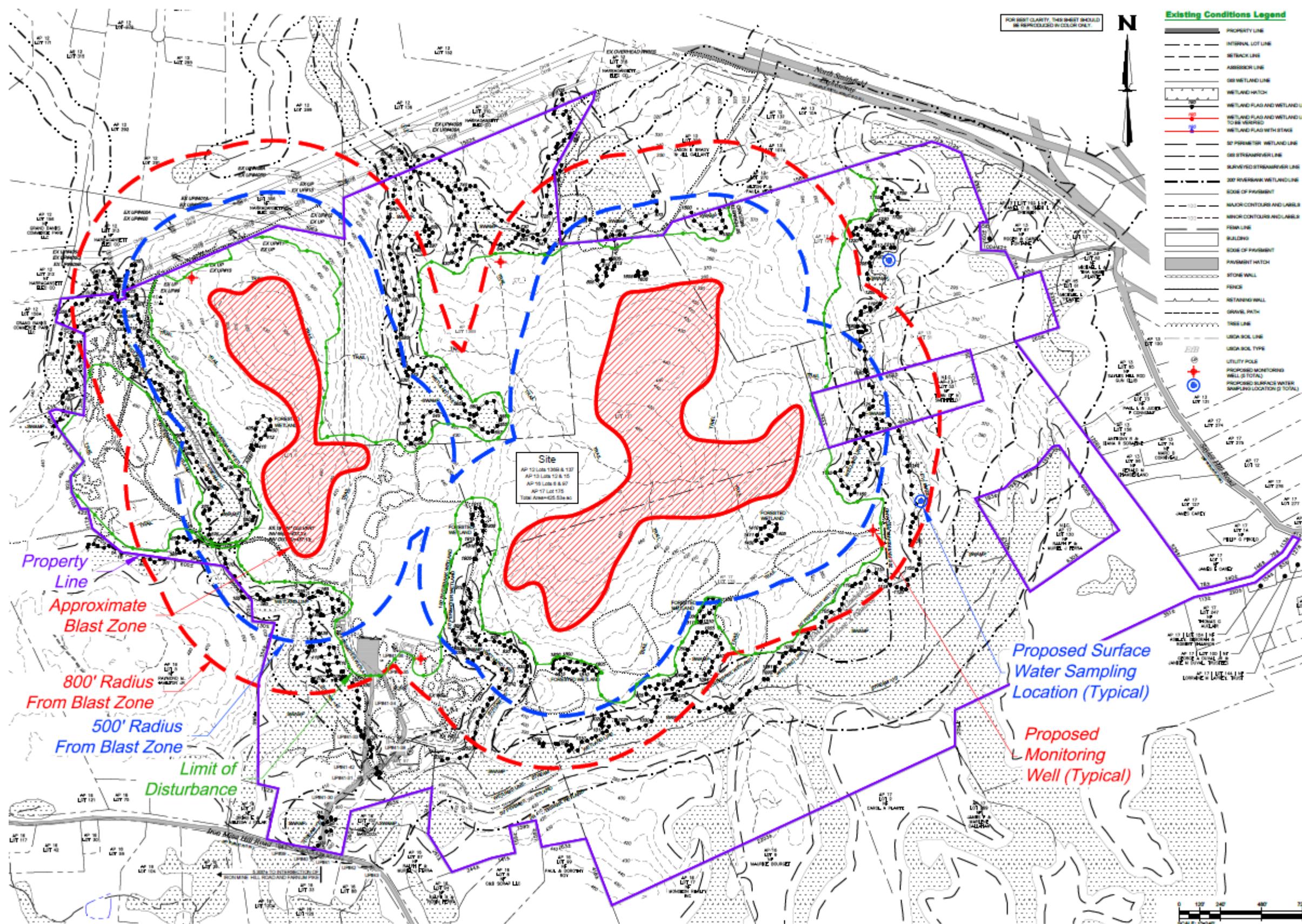
Yours sincerely,
for RPS Group, Inc.

A handwritten signature in blue ink, appearing to read "T. Daley".

Thomas Daley
Manager I, Compliance and Multi-Media
Tom.Daley@rpsgroup.com
401-661-8646

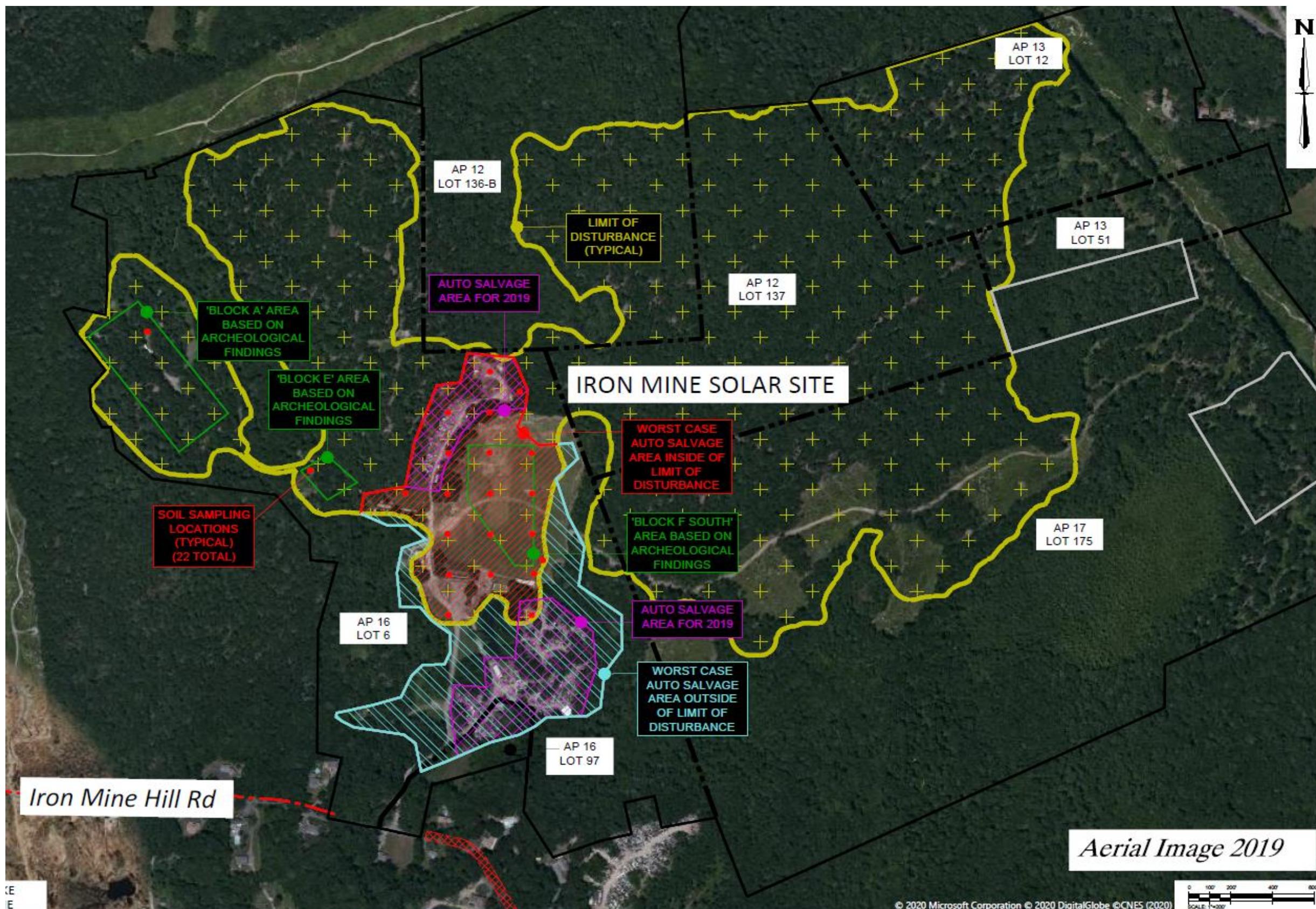
Attachment: Figures

FIGURE 1 - PROPOSED GROUNDWATER MONITORING WELLS AND SURFACE WATER SAMPLING LOCATIONS



Notes: 1. Base map prepared by Green Development LLC.
2. Scales of the original drawing have been reduced.

FIGURE 2 - PROPOSED AUTO SALVAGE AREA - SOIL SAMPLING LOCATIONS



Notes: 1. Base map prepared by Green Development LLC.
2. Scales of the original drawing have been reduced.

Attachment 3: Response to City of Woonsocket

John O. Mancini, Esq.
Shareholder
Admitted in RI, MA and CT
jmancini@mancinicarter.com

April 6, 2020

Mr. Marc Viggiani
Water Division Superintendent
City of Woonsocket
169 Main Street
Woonsocket, RI 02895

Mr. Thomas B. Nicholson, P.E.
C&E Engineering
P.O. Box 788
Woonsocket, RI 02895

Re: GDIM 1-9; Iron Mine Road Solar Project

Gentlemen,

We are in receipt of Mr. Nicholson's correspondence dated March 16, 2020, wherein, he reviewed documentation concerning the construction and development of that certain solar project located north of Iron Mine Hill Road and bounded by existing utility transmission corridors to north, west and east and Sayles Hill Road located beyond the utility corridor on the eastern portion of the site specifically denoted as Assessor's Plat 12, Lots 136B and 137; Plat 13, Lots 12 and 51; Plat 16, Lots 6 and 97; and Plat 17, Lot 175, denoted as the Iron Mine Solar Project (the "Project").

The proposed layout anticipates nine (9) Projects or phases as shown on the plans. The preliminary plan depicts the interconnection location, access roads, grading and drainage.

Importantly, the Project has been vetted through a specific and delineated approval process set forth by Rhode Island General Laws; and specifically, Section 5.7 of the Town of North Smithfield Zoning Ordinance. Moreover, the Project has been submitted in conformance with the Town of North Smithfield Zoning Ordinances, Section 5.7.11 entitled "Solar Photovoltaic Overlay District". Pursuant to Section 5.7.11, the proposed Project is designated as a Major Land Development Project, which has specific statutory requirements for review and designated stages of review. Accordingly, the Project received a Master Plan Approval on December 6, 2018. Thereafter, the Applicant sought all of the necessary state agency approvals, among which was a review by the Rhode Island Department of Environmental Management ("RIDE").

Consequently, the Project has been approved by RIDE. Particularly, the following approvals have been granted by the RIDE:

1. RIDE Insignificant Alteration Permit Number 19-0030 (Solar);
2. RIDE Insignificant Alteration Permit Number 19-01025 (Dry Hydrant); and
3. RIDE Wetland Edge Verification #18-0237.

As you are fully aware, the RIDEM has exclusive jurisdiction in respect to a review of wetland edge. In addition thereto, the Project also has received from the RIDEM a RIPDES Permit, specifically, RIPDES file number RI 101865. Thereafter, the Applicant also received from the Town of North Smithfield, the Town's specific Soil & Erosion Permit.

Once having received the necessary state approvals, the Applicant proceeded to submit and obtain Preliminary Plan approval. As part of its Application for Preliminary Plan Approval, the Applicant has submitted a significant amount of engineering and environmental plans and reports. The Applicant also participated in several public hearings before the Town of North Smithfield Planning Board ("Planning Board"), at which point, the Applicant submitted oral testimony of the following experts and engineers:

1. **Kevin Morin, PE**, Kevin is a professional registered engineer, working with Green Development and responsible for site layout and design in conjunction with DiPrete Engineering. Accordingly, Kevin has testified before the Planning Board in regards to the site layout as well as the setbacks and solar panel design and location.

2. **Eric Prive, P.E.**, is a Registered Professional Engineer in the State of Rhode Island working with DiPrete Engineering, who has been the Project Engineer responsible for the site design for stormwater drainage. As such, Eric testified before this Board in regards to the stormwater management as well as approvals received by the Rhode Island Department of Environmental Management ("RIDEM"). According to Prive testimony, the RIDEM has granted necessary approvals for the project, as well as review of the same. Consequently, the project has been approved by RIDEM. Specifically, the following approvals:

1. RIDEM Insignificant Alteration Permit Number 19-0030 (Solar);
2. RIDEM Insignificant Alteration Permit Number 19-0125 (Dry Hydrant); and
3. RIDEM Wetland Edge Verification Number 18-0237.

3. **Scott Rabideau** of National Resources has been engaged by the Applicant to conduct a study of the habitat as well as to provide the Board testimony with regards to displacement of certain species and the growth of and maintenance for the specific pollinator mix, which is part of this design, and a unique aspect of the overall design and development as it relates to solar development.

4. **Tom Daley**, from RPS North America testified to the Board in regards to water quality/wells-blasting. According to Mr. Daley's testimony, there will be no impact to water quality as a result of blasting, which will be done according to specific state law requirements. Accordingly, as indicated at the Master Plan Stage of Review, any blasting at the site will follow the state protocols. Additionally, notification will be given within the radius areas as required by state law. Given the distance of the blasting, the testing of wells is not required.

5. Greg Walwer, Phd, the Applicant provided testimony of Mr. Walwer with regards to archeological studies provided at the Property. Pursuant to the archeological study conducted by Dr. Walwer at the Property, he concluded that there are no historic impacts. In addition thereto, Mr. Walwer secured an approval from the State of Rhode Island Historical Preservation and Heritage Commission, which approval is dated October 23, 2019 the same was provided to the Town of North Smithfield Planning Board. In addition to his oral testimony, Dr. Walwer provided a written report and summarization of his findings and evaluations at the site.

6. Andrew Pichette, from Beta Engineering testified to the Board in regards to the view sheds from the north towards the substation as well as the overall landscaping for the buffering and screening. Specifically, Mr. Pichette addressed some of the concerns and issues the neighbors had relating to the view corridors. In particular, Mr. Pichette, along with other members of Green Development met specifically with one of the abutters who is particularly impacted by the substation. After numerous discussions and plans, Beta Engineering has prepared a landscaping plan to be utilized for purposes of mitigating any views of the substation from one of the abutters' property.

7. Joseph Lombardo, a former city/town planner and a land use expert, who testified at the Master Plan. Specifically, Mr. Lombardo's testimony, at the Master Plan, was focused towards the consistency of the Comprehensive Plan. Mr. Lombardo has been recognized as a land use expert in many cities and towns within the State of Rhode Island and more importantly with the Rhode Island Superior Court. Mr. Lombardo addressed the specific use as it relates to the Town of North Smithfield Zoning Ordinance Section 5.7 as well as Section 5.7.11, the overlay district. Specifically, according Mr. Lombardo's testimony, the Application, as presented, is consistent with the Town's Comprehensive Plan.

Following the submission of a multitude of information, review of the same and public hearing by the Planning Board, the Project received Preliminary Plan Approval with conditions. We assert that the conditions as provided by the Planning Board are meant to mitigate concerns and issues raised by Planning Board members along with residents of the Town in conjunction with RIDEM approvals and submission provided by the Applicant to the relevant agencies. The Preliminary approval (Exhibit B) and specifically conditions 2, 3, 14, 15, 18 were also meant to mitigate overlapping concerns from the City of Woonsocket noted in the March 4, 2020 correspondence from the City to the Town of North Smithfield. In addition, the property owner has acknowledged that the automobile salvage/storage business will be phased out with the implementation and construction of the solar facility (see Exhibit C).

As part of our review process and submission, the Applicant provided its plans to the Woonsocket Water Division. It did so not as a requirement of the review process provided by, Rhode Island general laws or the Town of North Smithfield Zoning Ordinances.

In providing its plans and making engineering reports and testimony available to the City of Woonsocket, the Applicant seeks to be a responsible developer and operator of the solar project to be implemented at the site.

In doing so, the Applicant has received the comments provided by Mr. Nicholson and has submitted the same to DiPrete Engineering, who is the Applicant's Project Manager concerning the development and implementation of this Project. Although we take certain issue with some of the comments made in the March 16, 2020 correspondence, we do not believe that the recommendations as provided by Mr. Nicholson on Page 4 of his correspondence are insurmountable and can be incorporated into the overall design and plan development. The Applicant has submitted the March 16, 2020 correspondence to its engineers and experts; accordingly, has reviewed their comments and attached the same hereto, as Exhibit A.

We do, however, want to note that the City of Woonsocket has no jurisdictional guidance over this Project, which has properly been approved according to the current statutory scheme, mandated by Rhode Island General Laws. Nonetheless, the Applicant is open to suggestions, comments and recommendations by the City of Woonsocket and will seek to implement the same, if feasible.

Once you have reviewed, should you have any questions or require additional information, please do not hesitate to contact me.

Very truly yours,

John O. Mancini

Cc: Client
John J. DeSimone, City of Woonsocket Solicitor
Thomas J. Kravitz, Town of North Smithfield Town Planner

EXHIBIT A



April 6, 2020

Mr. Marc Viggiani
Water Division Superintendent
City of Woonsocket
169 Main Street
Woonsocket, RI 02895

RE: Iron Mine Solar – City of Woonsocket Correspondence 3/23/2020

Dear Mr. Viggiani,

We have received your correspondence dated March 23, 2020 and your consultant's memo dated March 16, 2020. We have reviewed the concerns and recommendations in conjunction with the aid of DiPrete Engineering and RPS Group and collectively have prepared the following response:

1. Insist (to the extent possible) that only the minimum land area is left exposed at any one time, as necessary for construction to proceed. Re-vegetation should be carried out immediately once construction activities cease. The water shed will never be completely safe from erosion and sedimentation until the site is completely vegetated.

DiPrete Engineering:

A comprehensive Soil Erosion & Sedimentation Control (SESC) report was compiled, which details the methods for handling all soil erosion and sedimentation preventative measures during construction. The SESC report was reviewed and approved by RIDEM Freshwater Wetlands Program, which is the regulatory permitting authority responsible for protection of freshwater wetlands in the state, which includes Spring Brook and the associated wooded swamp wetland. It's important to note that RIDEM did not impose any special conditions regarding downgradient surface water testing and an Insignificant Alteration Permit was issued.

The SESC report was also reviewed and approved by the Town of North Smithfield's peer review consultant (Pare Corporation) during the Preliminary Plan review and the North Smithfield Building Official (Kerry Anderson) with the approval of the local Soil Erosion and Sediment Control Permit.

As with any construction project, proper inspection and maintenance of the soil erosion and sedimentation controls are critical to success. Green Development will be required to prepare an inspection and maintenance log detailing each soil erosion and sedimentation control measure and any corrective actions that were taken. The construction activities will be overseen by the Town's peer review consultant (Pare Corporation) as a 3rd party engineer/inspector to ensure proper practices are in-place.

Green:

While one site mobilization is proposed, the goal with the project is to focus the initial work on the National Grid substation area and the associated access route. As this area is prepared, Green Development will immediately begin stabilization measures as work moves southeast and east. The existing golf course area will remain a staging area to process and stockpile materials across the site. It is likely that the majority of the solar areas will be graded and planted prior to the solar panels being installed. Stabilization is expected to commence in the Fall of 2020 and again thru Spring and Summer 2021 as areas are achieving final grading. Solar panel installation is not expected to commence until Spring 2021.

2. *The Town of North Smithfield is proposing the use of a 3rd party engineer/inspector. That should be fine for the work associated with the construction of the site and its related drainage facilities. Typically, this level of construction oversight would not include assessing impacts to the watershed and the inspector may not even be trained in these tasks. I would therefore recommend that you or one of your trained staff be incorporated into the inspection schedule, specifically to look at potential water resource impacts.*

Green:

We propose to have the City of Woonsocket Water Superintendent copied on status updates in conjunction with the North Smithfield Planning Board Preliminary Approval Condition 1: "The developer and solar array operator shall pay the fee for the Town's Independent engineer, hired by the Town, to monitor all phases of construction for compliance with local and state laws as well as provisions of this approval with monthly peer review updates provided to the Planning Board as part of staff's report." Additionally, Green proposes that updates to the planning board will also be sent to the Woonsocket Water Superintendent. If desired, Green could also invite the City of Woonsocket Water Superintendent to monthly construction meetings onsite to view the progress.

3. I agree with your recommendation of testing water quality but I would add turbidity, suspended solids and settleable solids. This will give you a baseline for evaluating the functionality of the drainage system.

Green:

Conditions 2, 3, and 18 of the Preliminary Approval generally address these concerns. Prior to receiving the March 4, 2020 letter, we verbally agreed to chemical testing of Spring Brook at upstream and downstream locations on the property both pre and post-construction. Our consultant will provide a scope of work for this testing for the Town of North Smithfield and Woonsocket Water Division's review. The additional parameters requested above can be included.

RPS:

The applicant has agreed to conduct environmental monitoring of the groundwater, surface water, and site soils on the property. These monitoring studies will be peer reviewed as required by the Town and sampling will be conducted for all constituents of concern including nitrogen compounds. In general, this would fulfill item 3 of the findings

In terms of other concerns raised in the memorandum RPS offered the following additional comments:

- *"This site is very complex hydrogeologically, having a spring as a supply source is very unusual in Rhode Island."*

The site is not complex hydrogeologically nor is it fed by a single spring. From a hydrogeological standpoint the site is quite typical of Rhode Island. As previously presented to the North Smithfield Planning Department in a Hydrogeological Assessment by EA Engineering, dated July 2018, the site is comprised of glacial till upland hills and low-lying wetlands located in the valleys between the hills which are drained via small streams. This type of landscape comprises the majority of northern and western Rhode Island.

- *"These water resources include the Spring Brook and the Spring that serves as the source of supply for the brook. The Spring is a wonder of nature caused by an artesian condition where underground water storage at a higher elevation is hydro-geologically connected allowing water to pass through the rock fissures until it day lights at the spring. Blasting in the area of the Spring runs the risk of damage to the hydrogeologic connection or possibly rerouting this connection."*

Despite the name "Spring Brook" the source of the water for the brook is not an artesian flowing bedrock spring as characterized in the C&E memo. No such spring exists on the property. RPS has inspected the entire wetland complex on the site. This includes the entire length of Spring Brook and its associated wetlands.

Specifically, the source of water for Spring Brook is a large forested wetland located in the southeastern portion of the property. The source of the water feeding the wetland (as well as the brook) is precipitation which falls on an approximately 450-acre watershed.

The proposed grading plan for the project was designed in a manner to preserve the existing watershed boundaries and therefore maintain the existing surface and groundwater flow patterns. Although rock blasting will be conducted to reduce the slopes of the steeper sections of the property, overall the watershed boundaries will be maintained. This means that the flow patterns of both surface water and groundwater will be maintained as well as the quantity of water flowing to Spring Brook.

- *"Unfortunately, when it comes to potable water supply, there are no "Safe" explosive compounds. Most explosives are up to 75% Nitrate based. Nitrates have a potable drinking water limit of 10 mg/l, it is highly soluble in water and is known to cause blue baby syndrome which is a disease of the circulatory system. These nitrates are spread across the blast area. First rain will wash these nitrates into resource areas with normal storm water flow. The erosion and sedimentation controls will not address these contaminates because the nitrates will be soluble and therefore will not settle out in the onsite ponds. If this project goes on as planned, the City can expect spikes in the raw water nitrate levels during the next two years of construction."*

It is true that most common blasting agents do contain significant quantities of nitrogen compounds. However, the chemical reaction that occurs during the explosion converts nearly all of the blasting agents to nitrogen gas, carbon dioxide and water which are released to the atmosphere.

The use of explosives for rock blasting is a very common method of earthwork. Additionally, a review of available literature conducted to assess other possible chemical impacts that may be attributable to rock blasting operations (previously submitted in a letter to the Town of North

Smithfield planning Department, dated February 26, 2020) revealed that any environmental impacts were generally minor and temporary and were not identified as a threat to environmental integrity or human health.

Nitrogen compounds are a major constituent of fertilizers and are an essential nutrient for plant growth. Any nitrogen compounds discharged to the ground surface or surface waters (including dissolved nitrogen compounds) will be readily taken up by the plants in the vegetated wetlands and surrounding buffer areas. Nitrogen is not considered a threat to freshwater bodies.

Nitrates in groundwater can be mobile and the risk of blue baby syndrome (methemoglobinemia) is the basis for the 10 mg/liter drinking water standard that was adopted in 1962. However, despite the prevalence of nitrogen compounds released to the environment via fertilizers and septic systems methemoglobinemia does not occur in Rhode Island.

Telephone correspondence with Richard Amaral of the Rhode Island Department of Health, Office of Water Quality and Jessica Signore of the Infectious Disease Office have confirmed that there has never been a documented case of methemoglobinemia in the State due to environmental causes. Therefore, it is unlikely that residual nitrogen due to blasting will impact the local groundwater.

Closing (Green)

In closing it's important to note that the project has received the necessary RIDEM Freshwater Wetlands Permit as an Insignificant Alteration, which consists of a thorough review by an engineer and biologist, whose primary role is to ensure the protection of the state's freshwater wetlands. The RIDEM review process spanned 10 months and included two rounds of comments and questions with RIDEM before a permit was issued. The SESC report and corresponding Stormwater Pollution Prevention Plan (SWPPP) were also reviewed and approved by the Town's peer review consultant (Pare Corporation) and the Building Official (Kerry Anderson).

Green will continue to work collaboratively with the Town of North Smithfield, City of Woonsocket, and RIDEM in the execution of this project. We believe the ultimate use of the property for solar with significant pollinator/wildflower habitat areas established and the phasing out of the auto storage/parts/salvage business on this site will be a net benefit to the overall watershed.

Respectfully,

Kevin Morin, PE Director of Engineering & Project Development

Green Development, LLC



cc: Thomas J. Kravitz, North Smithfield Town Planner

EXHIBIT B

RECEIVED FOR RECORD
NORTH SMITHFIELD R.I.
Mar 09, 2020 at 01:47P
DOC 842 PAGE 86
DOC #: 00041751

Town of North Smithfield Planning Board Preliminary Plan Application Major Land Development Plan - Decision of Approval

1. Applicant

Owner/Developer: GD IM 1-9, LLC

2. Property

Location: Plat 12, Lot 136B, 137; Plat 13, lots 12, 51; Plat 16, Lots 6, 97; Plat 17, lot 175

Type of Application: Major Land Development, Preliminary Plan Application.

3. The Record:

This decision represents a culmination of evidence presented to the Planning Board and public over the course of several meetings with the Board voting on March 5, 2020 by a count of 3 to 2 to approve this decision of approval with the conditions listed in section 6.

4. Statement of Review, Hearing & Authority:

This application was heard under the provisions of the *North Smithfield, Rhode Island Land Development & Subdivision Regulations* adopted pursuant to Title 43, Chapter of the General Laws of the State of Rhode Island & Providence Plantations, entitled *The Land Development and Subdivision Review Enabling Act of 1992 as amended*.

5: Findings of Fact:

Pursuant to R.I.G.L. § 45-23-60, The following findings of fact shall serve as the decision:

1. The proposed development is consistent with the comprehensive community plan as follows:

Land Use Chapter Goal 4 – Prevent incompatible non-residential uses in residential neighborhoods. The application comes by way of an amendment to the Town's existing solar overlay zoning district which was approved by the Town Council with a positive recommendation by the Planning Board.

Land Use Chapter Goal 5 – Encourage the development and retention of light industry, office and related commercial development which will provide skilled job opportunities and expand the tax base. The solar array represents non-residential growth which will supplement the tax based along with providing temporary jobs.

Economic Development Goal 3 – Encourage other forms of economic development which will provide job opportunities, tax base support and increased revenues for local businesses. The solar array will offset costs associated with Town services in relation to residential development by providing revenue to the Town over a potential 20 year period.

2. The proposed development is consistent with the standards and provisions of the municipality's zoning ordinance, particularly, Section 5.7.11 Solar Photovoltaic Overlay District. The application was fashioned as a result of a collaborative effort between the Town Council and Planning Board to amend said section 5.7.11. Additionally, the application is not found to be inimical to Zoning Section 6.19 Water Supply Protection Overlay District provided site work is executed in a manner consistent with that require of all RIDEM approvals. Correspondence offered from the City of Woonsocket dated, February 18, 2020 underscores the importance of protecting the water resource from surface water runoff upon disturbance of the site.
3. No significant, negative environmental impacts are anticipated from the development, **provided again sound sitework and construction practices are followed**, as evidenced by RIDEM wetland application number 19-0030; RIPDES File # RIR 101865; dry hydrant RIDEM wetland application number 19-0125. Environmental habitat impacts will be softened through the development of a pollinator meadow is evidenced by the applicant's environmental consultant; Natural Resource Services, Inc., dated August 1, 2018 and EA Engineering, Science, and Technology, Inc., dated August 2018. The applicant has also agreed to scale back the project by eliminating solar panels to create a substantial, 400' wide wildlife corridor connecting two wetland areas on the property along with maintaining setbacks from archeological features on the property.
4. The land development will not result in the creation of individual lots with physical constraints to development that building on those lots according to pertinent regulations and building standards would be impracticable. (See definition of Buildable lot); and
5. The proposed land development has adequate and permanent physical access to Iron Mine Hill Road.

6. Conditions of Preliminary Plan Approval:

The applicant shall comply with the following conditions or address at Final Plan Approval where stipulated.

1. The developer and solar array operator shall pay the fee for the Town's independent engineer, hired by the Town, to monitor all phases of construction for compliance with local and state laws as well as provisions of this approval with monthly peer review updates provided to the Planning Board as part of staff's report.
2. Install a minimum of 5 monitoring wells within two blast zones. Water test design, frequency, and data presentation to be developed by applicant and peer reviewer with an approach presented with Final Application. Results of well testing are public record.
3. Peer review to oversee all work in historical salvage areas with said areas to be tested for soil contamination prior to earthwork. All contaminated soils, if present, shall be remediated in accordance with RIDEM waste management regulations.
4. Vegetative maintenance plan to use mowers (cut) as opposed to pesticides or herbicides. Applicant to submit vegetative maintenance plan with Final Application.
5. Create gated access to protected archeological sites to allow Heritage Association access upon request.

6. Applicant to further investigate and separately fence multiple archeological sites with assistance from the Town's Heritage Association, or, remove GDIM 3 entirely. Decision to be presented with Final plan application.
7. If solar project power is increased above 38.4 megawatts AC, the project shall require Planning Board review. If increased above 40 megawatts, require Rhode Island Energy Facility Siting Board Review. Applicant shall obtain input from National Grid regarding the potential for increased usage of the substation and submit said input with Final plan application.
8. Applicant must submit a Bond to protect Iron Mine Hill Rd – bond amount to be established by peer reviewer and submitted with Final Plan Application.
9. Applicant shall comply with ambient sound testing as required per zoning section 5.7.11g and 5.7.5.e.2 Locate, on a plan, all areas from where sound readings were taken. Confirm with National Grid that the substation will also be in compliance with Town noise ordinance.
10. Provide Health Product Declarations/Environmental Product Declarations on all panels installed on site. If any are to be replaced, they are to provide new product data. All panels to be silicon in nature and not contain toxins.
11. Submit landscaping plan as discussed for Plat 12, lot 291 and submit with Final Plan Application. Applicant to maintain said buffer per zoning section 5.7.5.g.1
12. Exterior lighting for the substation control building will consist of a south-facing light controlled by a motion sensor. All lighting at substation shall be dark sky compliant with no offside lighting impacts. Applicant to ensure National Grid is aware of this condition with input from National Grid submitted with Final Application.
13. Solar array operator shall coordinate with Conservation Commission to visit the site annually to observe pollinator meadow growth along with access to peer review reports.
14. Operator shall notify Planner and or Building Inspector prior to cleaning panels; use only water to clean panels.
15. Blasting plan depicting blasting areas, as approved by the State Fire Marshal, shall be submitted to the Town prior to blasting. No toxins shall be used in the blasting process and soil testing in all former salvage areas, as well as those areas identifying in the applicant's archeological reports, shall be tested prior to blasting.
16. Upon request by a property owner who owns a well within 1,000 feet of a blast site, the applicant shall test well capacity and water quality before blasting operation begins.
17. Peer review shall be provided a construction schedule with key milestones as to make for efficient use of peer review time.
18. Applicant must satisfy the City of Woonsocket Water Department regarding their letter dated March 4, 2020, and, the City's peer review needs with evidence to such submitted with Final plan application.
19. Applicant shall submit liability insurance as required by zoning section 5.7.5.q.
20. Applicant to discuss potential for conservation easement to protect archeological areas and report back at Final plan application.
21. Applicant to support evidence of enforcement regarding construction traffic plan and include notification to National Grid contractors and subcontractors (being mindful of speed limits given presence of school properties in the area).

7. Certification:

This is to certify that the above statement of Decision reflects the action of the North Smithfield Planning Board at their regularly scheduled meeting of Thursday, March 5, 2020. This is a true and accurate recording of such action and is intended to be part of the official record of the North Smithfield Planning Board.

Certified:


Thomas Kravitz
Administrative Officer

Date: MARCH 9, 2020

RECORDED IN NORTHSMITHFIELD RI Mar 09,2020
AT 01:47P ATTEST LILLIAN SILVA SCOTT
Town Clerk

EXHIBIT C

February 25, 2020

Mr. Gary Palardy
Town of North Smithfield Planning Board Chairman
1 Main Street
P.O. Box 248
Slaterville, RI 02876

Re: Map 16, Lots 6 and 97; Map 17, Lot 175, Map 12, Lots 136(b), 137; Map 13, Lots 12 and 51

Dear Mr. Chairman,

Please allow this correspondence to serve as formal notice to the Planning Board in the Town of North Smithfield, that upon the implementation and construction of the solar development known as GDIM 1-9, for the operation of a 38.4 MW solar array located on the above referenced property, that certain auto salvage yard facility located on my property, more specifically lots 6 and 97, known as Bernard's Auto Parts, Inc. shall stop.

Importantly, under the arrangement that I have with Green Development, the developer for GDIM 1-9 Solar array, it is my responsibility to remediate the property pursuant to the full and complete satisfaction of the Rhode Island Department of Environmental Management ("RIDEM"), with Green performing the work under my direction. It is my understanding that the RIDEM will be responsible in governing any remediation at the Property.

Moreover, the Planning Board should know that the RIDEM has monitored Bernard's Auto Parts, Inc. by way of issuing certain program certifications for the operation of a salvage yard facility.

It is my quest to eliminate the auto salvage yard facility and ensure that the property is appropriately remediated, if any issues exist. I, therefore, am obligated under my lease with Green Development to comply with all necessary Town requirements and RIDEM requirements for the remediation and removal of the auto salvage yard facility located on the property.

Once you have reviewed, should you have any questions please feel free to contact me.

Sincerely,

Ralph Ferra, Property Owner

Ralph Ferra

Muriel Ferra, Property Owner

Muriel Ferra

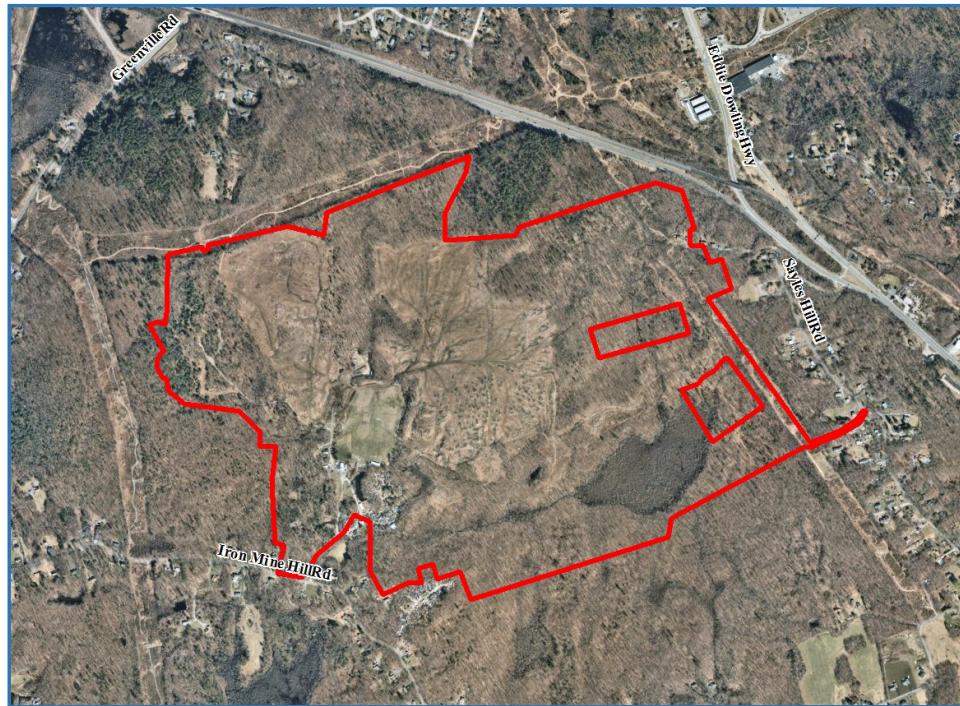
Attachment 4: Natural Resource Services, Inc. Pollinator Habitat Establishment and Management Plan



Natural Resource Services, Inc.

Pollinator Habitat Establishment and 5 Year Management Plan

**Iron Mine Solar
A.P. 12, Lots 136B & 137; A.P. 13, Lots 12 & 51
A.P. 16, Lots 6 & 97; A.P. 17, Lot 175
North Smithfield, Rhode Island**



**Prepared for:
Kevin Morin, PE
Green Development, LLC
2000 Chapel View Boulevard, Suite 500
Cranston, RI 02920**

Prepared by:

Scott P. Rabideau, PWS
Principal

April 24, 2020

Introduction

Natural Resource Services, Inc. (NRS) was retained by Green Development, LLC (GD) to prepare a pollinator habitat management plan for a 168 acre utility scale solar facility in North Smithfield, Rhode Island. The purpose of this report and the attached geographic information systems (GIS) graphic is to detail the methodology for establishing pollinator species throughout the constructed solar facility, and to provide a five (5) year management plan to ensure that the establishment of the targeted habitat is successful.

This report shall be submitted to the North Smithfield Planning Board to fulfill a requirement of the Preliminary Plan approval for the solar facility issued on March 9, 2020.

Guidelines for Establishing Pollinator Habitat

Pollinator species and warm season grasses typically do well on sites that are infertile and low in available nitrogen. The installation of the solar panels across the 168 acre footprint shall require tree cutting, stumping and general regrading. All available topsoil shall be stripped and stockpiled during this process. This forest loam is of lesser quality and considered a low nitrogen soil. Fertilization is not necessary as the herbaceous species to be established do not require significant nutrient levels. The reuse of the native soil will also help to discourage weed growth which normally proliferates when nitrogen levels are elevated.

The month of May is generally considered the best time to seed wildflowers and warm season grasses. When a spring seeding is not possible, the alternative is to seed in early fall, September 15th through October 15th. A fall seeding schedule requires a topseed effort the following spring. It is best that spring seeding occurs only after soil temperatures have reached at least 50 degrees Fahrenheit. A fall seeding does not result in germination until the following spring. As such areas with exposed soil should be mulched with loose straw to discourage erosion throughout the winter.

The seeding shall be accomplished using two methods. The primary method shall be broadcast seeding. The broadcast method requires that each location be covered twice, with the second pass being perpendicular to the first. This cross-hatch pattern will assist in achieving an even stand of new growth. The seeded areas shall be lightly raked to cover the seed with soil. The area shall be rolled to ensure good soil contact and mulched with loose straw.

The seed mixture shall be the Northeast Native Wildflower Mix with Native Grasses available from Ernst Conservation Seeds, Meadville, PA (or an NRS authorized equivalent). The seeding rate shall be 15 bulk pounds per acre, or a rate otherwise recommended by the producer.

It may be necessary to use a no-till seed drill on slopes or other areas where broadcast spreading is not appropriate. NRS will work with the site contractor to identify these areas at the start of the project.

A one-half acre wildflower nursery location shall be established at the entrance to the facility. This nursery shall be seeded with the wildflower mixture, watered as needed, and weeded manually throughout the season. Once established, the nursery will provide additional plants and seeds which can be used to fill-in any bare spots across the project area.

Establishment and Monitoring – Year 1

Due to the size of the solar facility, NRS has segmented the area into five (5) sections. This has been done solely for monitoring purposes. Each annual monitoring report shall include a chapter describing the conditions within a specific segment. The attached GIS graphic depicts the anticipated segmentation.

Weeds and cool season annual grasses are expected to germinate throughout the first 1 – 2 growing seasons. This management plan does not include the use of any chemical (herbicide) treatment for controlling weeds or other noxious plants. Instead, a “top-clip” method shall be employed to control weed growth. The weeds and cool season species germinate earlier each season than the wildflowers and warm-season grass seedlings. When the undesirable vegetation reaches a height of 12-18 inches, a flail mower shall be used to top-clip the weeds to a height of not less than 6 inches. This will prevent the weeds from going to seed.

In Year 1 and 2, it may be necessary to perform a second top-clip in late summer. This follow-up cut will be done only at the direction of NRS. Any second top-clip will have the flail mower cut to a height of not less than 12 inches.

NRS shall inspect and inventory each of the 5 project segments on or before August 15th of Year 1. A report shall be prepared for GD which describes the site conditions and provides recommendations for additional management activities which may be necessary. A rapid assessment survey of pollinators utilizing the area shall be performed with the results included in the report.

The entire area shall be cut in the fall. NRS shall re-inspect the site in early September and establish a date for the fall cutting.

Maintenance and Monitoring – Years 2 – 5

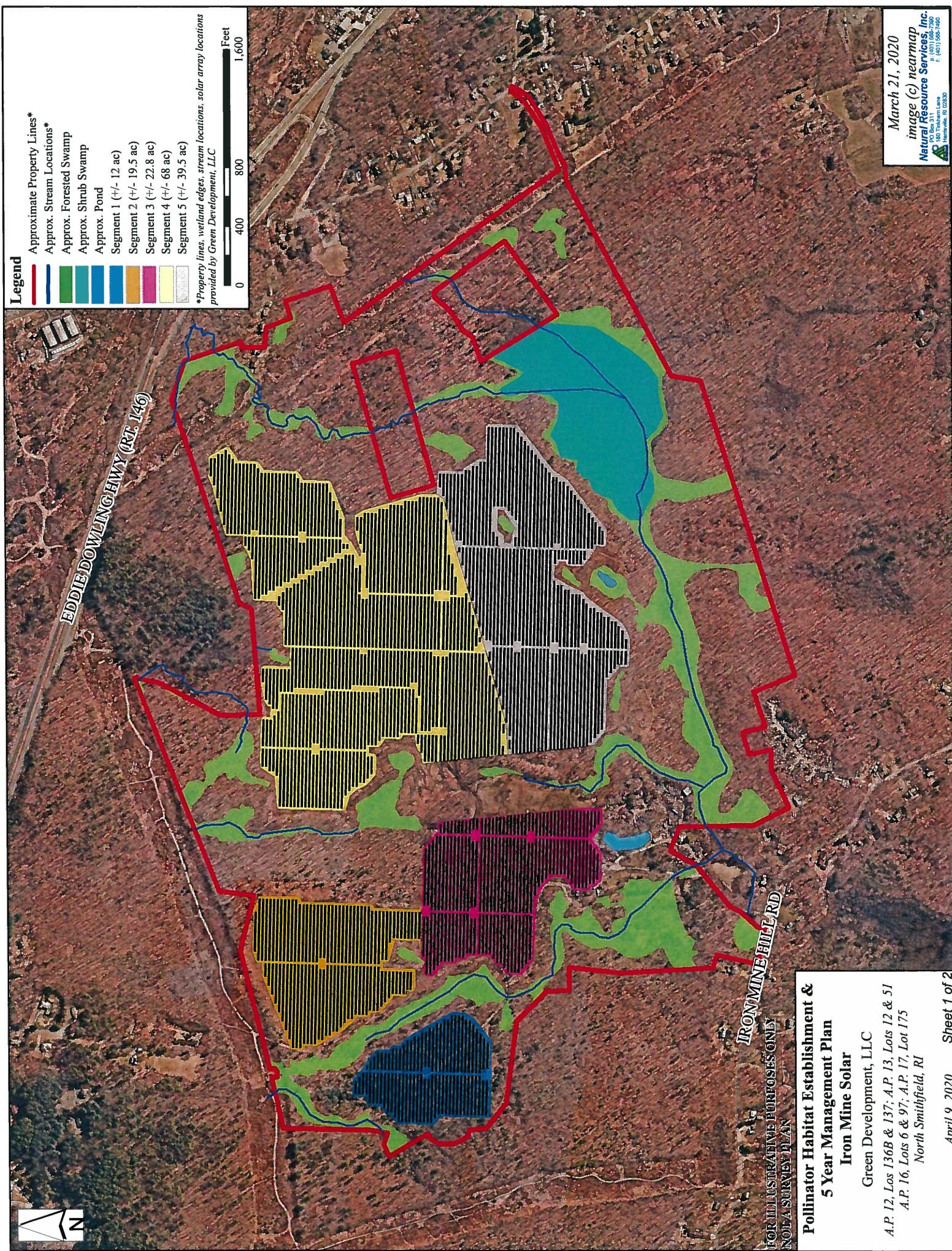
NRS will inspect the pollinator habitat throughout the solar facility a minimum of three (3) times per growing season. The initial inspection shall occur on or about May 15th of each year. The purpose of this visit is to determine the areas where weeds and other undesirable vegetation have germinated. This inspection will serve to direct the effort for top-clipping activities.

NRS shall perform a plant species inventory and rapid assessment survey of pollinator species utilizing the habitat on or before August 15th of each year. A report shall be prepared for GD which describes the site conditions and provides recommendations for additional management activities. These recommendations may include transplanting stock for the nursery to fill-in bare spots identified in each project segment.

NRS shall perform a final inspection in early to mid-September of each year. The purpose of the September inspection is to determine if seed heads from the annual plants have dropped and using this information to set a date for fall cutting.

Final Year 5 Report

NRS shall perform a site wide inventory of plant species. This survey will be performed during the month of August in year 5. This inventory shall attempt to list all plant species and provide an indication of their relative abundance. A rapid assessment survey of pollinator species utilizing the habitat shall also be performed. A final report shall be generated subsequent to the survey. This report shall include a chart with all plant and pollinator species documented by the survey. NRS shall provide an opinion as to the relative success of the pollinator habitat creation project. Finally, the report shall include a management plan for GD to follow for the next 5 years.



Notes

Pollinator Habitat Establishment & 5 Year Management Plan

Year 1 – Establishment & Monitoring

- 1) Site grading and installation of solar panel stanchions.
- 2) Broadcast or no-till seed drill entire area with Showy Northeast Wildflower Seed Mix with Native Grasses (see analysis). On or around May 1st, but no later than June 15.
- 3) Lightly rake and roll all seeded areas then mulch with loose straw.
- 4) Setup and establish a 20,000 square foot nursery area, seed and irrigate.
- 5) Top-clip weeds in late August at the direction of NRS.
- 6) Site monitoring in August by NRS with report issued by September 1st.
- 7) NRS site monitoring by September 15th to set date for fall cutting.
- 8) Fall cutting by date established.

Year 2 – Maintenance & Monitoring

- 1) NRS to inspect prior to May 15th.
- 2) Top-clip with flail mower prior to June 30th.
- 3) NRS plant inventory and rapid assessment pollinator survey on or before August 15th with report by September 1st.
- 4) NRS site monitoring by September 15th to set date for fall cutting.
- 5) Fall cutting by date established.

Year 3 – Maintenance & Monitoring

- 1) NRS to inspect prior to May 15th.
- 2) Top-clip with flail mower prior to June 30th.
- 3) NRS plant inventory and rapid assessment pollinator survey on or before August 15th with report by September 1st.
- 4) NRS site monitoring by September 15th to set date for fall cutting.
- 5) Fall cutting by date established.

Year 4 – Maintenance & Monitoring

- 1) NRS to inspect prior to May 15th.
- 2) Top-clip with flail mower prior to June 30th.
- 3) NRS plant inventory and rapid assessment pollinator survey on or before August 15th with report by September 1st.
- 4) NRS site monitoring by September 15th to set date for fall cutting.
- 5) Fall cutting by date established.

Year 5 – Maintenance & Monitoring

- 1) NRS to inspect prior to May 15th.
- 2) Top-clip with flail mower prior to June 30th.
- 3) NRS to perform a site wide inventory of all plant species. This survey will include a rapid assessment of pollinator species observed onsite. The work shall be performed during the month of August.
- 4) NRS shall prepare a final report assessing the relative success of the pollinator habitat creation project.
- 5) NRS shall prepare a 5 year management plan for GD without NRS oversight.

Seed Mix Analysis

Modified Showy Northeast Native Wildflower Mix with Native Grasses (ERNMX-153)	
	(15 bushel pounds per acre)
Amelanchier alnifolia	16.0%
Antennaria sempervirens	10.0%
Ekemus villosus	10.75%
Songspur, statens	7.75%
Penstemon virginicus	6.00%
Chamaecrista fasciculata	5.00%
Andropogon grandis	5.50%
Helops hispidoides	5.50%
Rudbeckia hirta	4.50%
Pentstemon digitalis	5.25%
Lupinus sp.	4.50%
Serissa foetidissima	3.00%
Hypericum pyrenaicum	1.50%
Liatris spicata	3.00%
Aster pilosus	2.00%
Aster laevis	0.75%
Aster macrocephalus	1.00%
Baptisia australis	0.50%
Lespedeza capitata	

Pollinator Habitat Establishment & 5 Year Management Plan

Iron Mine Solar
Green Development, LLC

A.P. 12, Los 136B & 137; A.P. 13, Lots 12 & 51
A.P. 16, Lots 6 & 97; A.P. 17, Lot 175
North Smithfield, RI

Attachment 5: Iron Mine Hill Road Bond Correspondence



March 17, 2020

Thomas J. Kravitz, Town Planner
Town of North Smithfield Planning Dept.
P.O. Box 248
North Smithfield, RI 02876

RE: Iron Mine Solar

Dear Mr. Kravitz,

We have authorized BETA Group to do an existing condition assessment of the local travel route from the site access on Iron Mine Hill Road to the state highway at Farnum Pike. BETA's scope of work also includes a post-construction assessment of the route. A copy of their findings will be provided to the Town and peer review engineer.

In order to satisfy the Preliminary condition of approval number 8 Green proposes the following:

- In the event the road is impacted Green proposes a bond for the cost to mill, sweep, overlay the 1 mile route from the site access to the state highway
- Given approximately 1 mile of road Green requested a quote from T. Miozzi Inc. to mill, sweep, and overlay the road
- T. Miozzi provided the attached estimate totaling \$116,860.68
- Green proposes a road bond of \$150,000 to the Town for the construction duration

We hope this information is helpful in addressing condition Number 8. We can discuss as needed and will secure the necessary bond upon approval of the amount.

Respectfully,

Kevin C. Morin, PE

A handwritten signature in blue ink, appearing to read "Kevin C. Morin, PE".

Green Development, LLC - Director of Engineering and Project Development

T. Miozzi Inc.

80 Compass Circle
North Kingstown, RI 02852

Estimate

Date	Estimate #
3/5/2020	3054

Name / Address
Green Development, LLC 2000 Chapel View Boulevard, Suite 500 Cranston, RI 02920-3040

PROJECT			
Iron Mine Road			
Description	Qty	Cost	Total
Milling 1.5" depth per SY Sweep & tack, 1.5" overlay per SY	11,733 11,733	1.95 8.01	22,879.35 93,981.33
The signing of this contract indicates that you are agreeing to all of the terms including that the deposit will be credited towards the final bill and the balance will be due upon completion. Project scheduling will be subject to weather conditions. Any un-paid balance will be charged 1 1/2% month interest from the date payment is due and any reasonable legal and court cost due because of collection efforts will be your responsibility. Permits and bond by others.			
I agree to the above: _____			
Date: _____			
Deposit: \$ _____ Check # _____			
Date: _____			
All taxes included			
Quoted at \$ 535.00 per liquid ton			
Quantities to be determined by field measurements			
		Subtotal	\$116,860.68
		Sales Tax (7.0%)	\$0.00
		Total	\$116,860.68

Phone #	Fax #	E-mail	Web Site
401-295-7283	401-295-1670	tmiozzi@tmiozziinc.com	http://tmiozziinc.com/



January 29, 2020

Mr. Kevin Morin, PE
Director of Civil Engineering
3760 Quaker Lane
North Kingstown, RI 02852

Re: Local Roadway Assessment

Dear Mr. Morin:

BETA Group, Inc. (BETA) is pleased to submit this proposal to provide a local roadway assessment in the implementation of new solar panels in North Smithfield, RI. BETA will inspect up to one (1) mile of public roadway in connection with the construction, operation or maintenance of this project. Roadway conditions will be documented prior to the construction period, and then reassessed within a 30-day period of the project's completion date. To complete this assessment, we have developed a scope of work as presented below:

SCOPE OF WORK

BETA will utilize the RIDOT Centerline Inventory File and Town roadway data to establish the database and mapping for this assessment. The roadway database will be segment-based (typically intersection to intersection) to facilitate reporting and analysis. The master database will reflect to/from streets along with each segment's associated length.

BETA will inspect Iron Mine Hill Road (Rt 104 to 1115 Iron Mine Hill Rd) as part of this assessment; the required field inspections will be performed by an experienced BETA Field Team.

Each individual roadway segment will be assessed by BETA using GIS-based tools and follow industry standards for pavement inspection methods. Attribute and inspection related data will include the following:

Data that seldom changes:

- Street Name
- Street Segment Description (From/To)
- Pavement Material (Bituminous Concrete, Gravel, Chip Seal, Other)
- Length/Area of Segment (Feet, Miles, Square Yards)
- Width of Segment (Measured on foot using wheel)

Pavement Distress Data (Extent & Severity):

- Alligator Cracking
- Linear Cracking (Longitudinal/Transverse)
- Edge Cracking
- Patching
- Potholes
- Roughness
- Rutting

Additional Roadway Features:

- Curbing (Location, Material, Average Reveal)
- Presence of Line Striping (Double Yellow, Edgeline)

The pavement distress data will be identified by severity (High, Moderate, Low) and extent (0%-100%) for each paved roadway segment to allow for a Road Surface Rating (RSR) to be calculated. RSR values will range from 0-100 (worst to best).

A photograph will also be captured every 250 feet both prior to and after the construction phase of this project for comparison purposes (Pre vs. Post).

This assessment will include the following Deliverables:

- Summary of Findings (Pre vs. Post)
- Corresponding GIS Roadway Maps
- Photolog (Pre vs. Post)

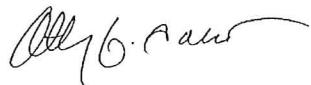
FEE PROPOSAL

The preceding Scope of Work will be completed for a **not to exceed amount of \$4,800.**

Thank you for the opportunity to assist with this local roadway assessment. If you have any questions or require additional information on this proposal, please feel free to contact me at 508-769-2807

Sincerely,

BETA Group, Inc.



Anthony J. Garro
Senior Vice President,
GIS & Asset Management Services

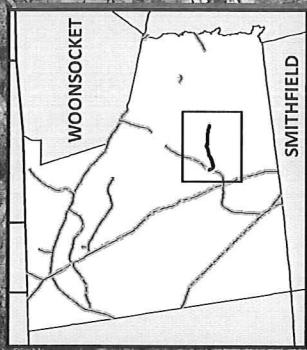


Town of North Smithfield, Rhode Island

Iron Mine Hill Road Pavement Inspections - Pre and Post Construction

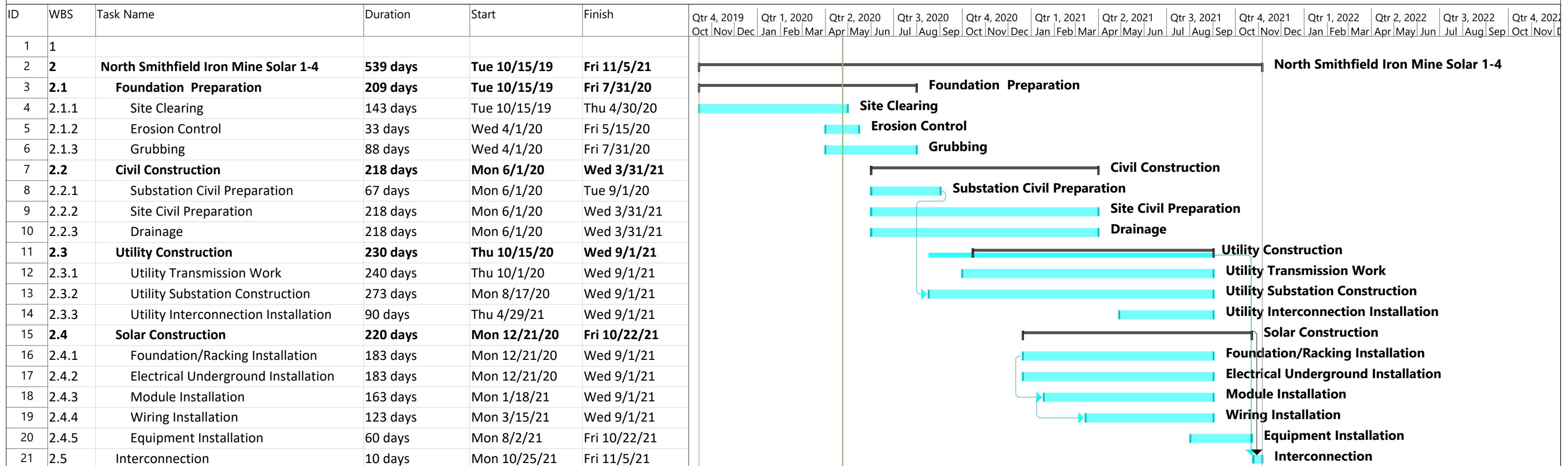


Area Detail:



DRAFT
Issue Date: January 28, 2020
This Map is Intended for Planning Purposes Only
0 0.03 0.05 Miles


Attachment 6: Preliminary Construction Schedule



Project: GDIM Schedule R4.mpp Date: Fri 4/24/20	Task	Project Summary	Manual Task	Start-only	Deadline
	Split	Inactive Task	Duration-only	Finish-only	Progress
	Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
	Summary	Inactive Summary	Manual Summary	External Milestone	

Attachment 7: Proof of Liability Insurance



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795444

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	<input type="checkbox"/> N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-034, GDIM 1: 1115 Iron Mine Hill Rd, North Smithfield, RI 02896

GDIM 1, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 1 1115 Iron Mine Hill Rd North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE 

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795695

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-035, GDIM 2: 1115 Iron Mine Hill Rd, North Smithfield, RI, 02896

GDIM 2, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 2 1115 Iron Mine Hill Rd North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE 

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795466

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000	
							PERSONAL & ADV INJURY	\$ 1,000,000	
							GENERAL AGGREGATE	\$ 2,000,000	
							PRODUCTS - COMP/OP AGG	\$ 2,000,000	
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000	
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$	
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$	
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$	
								\$	
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000	
	EXCESS LIAB		CLAIMS-MADE				AGGREGATE	\$ 10,000,000	
	DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$	
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHR	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000	
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-036, GDIM 3: 1115 Iron Mine Hill Rd, North Smithfield, RI 02896

GDIM 3, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 3 1115 Iron Mine Hill Rd North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795482

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	<input type="checkbox"/> N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-037, GDIM 4: 0 Iron Min Hill Rd, North Smithfield, RI, 02896

GDIM 4, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 4 0 Iron Min Hill Rd North Smithfield, RI 02896 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

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PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795497

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	<input type="checkbox"/> N / <input type="checkbox"/> A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-039, GDIM 5: 0 Iron Min Hill Rd, North Smithfield, RI 02896

GDIM 5, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 5 0 Iron Min Hill Rd North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE 

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795687

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	<input type="checkbox"/> N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-040, GDIM 6: Off North Smithfield Expy, North Smithfield, RI 02896

GDIM 6, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 6 Off North Smithfield Expy North Smithfield, RI 02896 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795545

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/>	OCCUR	CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-041, GDIM 7: Off North Smithfield Expy, North Smithfield, RI 02896

GDIM 7, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 7 Off North Smithfield Expy North Smithfield, RI 02896 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795709

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-042, GDIM 8: Off North Smithfield Expy, North Smithfield, RI 02896

GDIM 8, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 8 Off North Smithfield Expy North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/20/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERs NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Holmes Murphy & Assoc-SF 5120 S. Solberg Ave Sioux Falls, SD 57109	1-605-336-1090	CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:
INSURED Green Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Phoenix Insurance Company	
	INSURER B: Travelers Indemnity Company	
	INSURER C: Travelers Property Casualty Co. America	
	INSURER D: Standard Fire Insurance Company	
	INSURER E: INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 58795714

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			DTC06K745245PHX19	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
B	AUTOMOBILE LIABILITY			8108M3679721926G	03/30/19	03/30/20	EACH OCCURRENCE	\$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person)	\$
	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input checked="" type="checkbox"/> OCCUR		CUP7K0919981926	03/30/19	03/30/20	EACH OCCURRENCE	\$ 10,000,000
	EXCESS LIAB		<input type="checkbox"/> CLAIMS-MADE				AGGREGATE	\$ 10,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y / <input checked="" type="checkbox"/> N	<input type="checkbox"/> N / A	UB6K7452451926G	03/30/19	03/30/20	<input checked="" type="checkbox"/> WC STATUTORY LIMITS	OTHEr
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input checked="" type="checkbox"/> N					E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

RE: 18-02-038, GDIM 9: 11 Prince Rd, North Smithfield, RI 02896

GDIM 9, Town of North Smithfield, 64 Farnum Pike, North Smithfield, RI 02917 are Additional Insureds on the General Liability as required by written contract with the insured, per policy terms and conditions.

CERTIFICATE HOLDER

CANCELLATION

GDIM 9 11 Prince Rd North Smithfield, RI 02896	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
USA	AUTHORIZED REPRESENTATIVE 

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Attachment 8: Construction Traffic Plan



March 18, 2020

Memorandum

To: Green Development Employees, Subcontractors, Vendors, Suppliers
Cc: National Grid (for inclusion in substation specification package for future EPC contractor and their subcontractors)
Project: Iron Mine Solar, North Smithfield
Date: 04/03/2020
Subject: Iron Mine Construction Traffic Plan

As part of the Town of North Smithfield Preliminary Plan approval the Iron Mine Solar project has an established “Construction Vehicle Access” plan that must be followed.

The traffic route utilizes the state highway (Route 146 to Farnum Pike to Iron Mine Hill Road or Route 295 to Route 5/Route 7 to Farnum Pike to Iron Mine Hill Road).

This plan avoids construction vehicle traffic entering the site from Route 146 @ Sayles Hill Road to Iron Mine Hill Road . The plan also avoids exiting the site in that direction.

Note that there are multiple schools in the area including :

- North Smithfield High School – 412 Greenville Road
- North Smithfield Middle School – 1850 Providence Pike
- North Smithfield Elementary School – 2214 Providence Pike

Speed limits must be followed or reduced if weather conditions require extra care.

Attached: Construction Access Plan

Also Post in Job-Site Construction Trailers

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Faridoon Khan Trust, Faridoon Khan Trustee

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____ Off North Smithfield Expressway

PLAT: 12 LOT: 137 ACCOUNT NO.: 2095

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbing _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200 ____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC
2000 Chapel View Blvd., Suite 500
Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer KHAN FARIDOON TRUST

Penalty as of: 04/09/2020

FARIDOON KHAN TRUSTEE

Parcel: 012-137

5 KENNEDY BOULEVARD

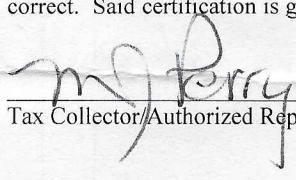
Location: OFF NORTH SMITHFIELD EXPY

LINCOLN RI 02865-3608

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	11-0195-00	Real	012-137 at NORTH SMITHFIELD	942.38	235.62	0.00	235.62
Total:							235.62

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.


Tax Collector/Authorized Representative

REQUEST FOR CERTIFICATE
UNDER SEC. 44-7-11 OF THE
GENERAL LAWS OF RHODE ISLAND 1956

Faridoon Khan Trust, Faridoon Khan Trustee

NAME OF TAXPAYER: _____

ADDRESS OF PROPERTY: _____ Off North Smithfield Expressway

PLAT: 12 LOT: 136B ACCOUNT NO.: 2094

Real Estate Tax December 31, 200 _____ \$ _____
Real Estate Tax December 31, 200 _____ \$ _____

Other Items (Where Applicable)

Sidewalk _____ \$ _____

Curbing _____ \$ _____

Grading _____ \$ _____

Sewer Use _____ \$ _____

Sewer Installation _____ \$ _____

Water Use _____ \$ _____

Water Installation _____ \$ _____

Fire Service _____ \$ _____

Hurricane Barrier _____ \$ _____

Other _____ \$ _____

CERTIFICATION

This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the General Laws of Rhode Island 1956 as of this _____ day of _____, 200____.

Tax Collector/ Authorized Representative

City/Town of _____

Return to: Green Development, LLC
2000 Chapel View Blvd., Suite 500
Cranston, RI 02920

Municipal Lien Certificate - North Smithfield

Per RIGL §44-7-11(a); valid for recording through: 06/08/2020

Date of certificate: 04/09/2020

Tax Payer KHAN FARIDOON TRUST

Penalty as of: 04/09/2020

FARIDOON KHAN TRUSTEE

Parcel: 012-136-B

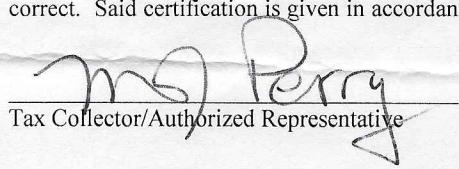
5 KENNEDY BOULEVARD
LINCOLN RI 02865-3608

Location: OFF NORTH SMITHFIELD EXPY

Place Recording stamp here

Receivable	Account #	Type	Detail	Original Bill	Amount Due	Penalty Due	Total Due
2019 RP Tax Roll	11-0195-00	Real	012-136-B at NORTH SMITHFIEL	882.09	220.54	0.00	220.54
Total:							220.54

This Certificate includes identifiable charges which may constitute a lien on the above mentioned property. This may include Real Estate Taxes, Tangible Property which were assessed to the current owners or previous owners of the property. This is to certify that the above is true and correct. Said certification is given in accordance with 44-7-11 of the general laws of Rhode Island, 1956.


Tax Collector/Authorized Representative



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
HISTORICAL PRESERVATION & HERITAGE COMMISSION
Old State House • 150 Benefit Street • Providence, R.I. 02903-1209
TEL (401) 222-2678 FAX (401) 222-2968
TTY / Relay 711 Website www.preservation.ri.gov

26 February 2020

RIHPHC No. 200226.01

Via email: acsinfo@yahoo.com

Gregory F. Walwer, Director
Archaeological Consulting Services
118 Whitfield Street
Guilford, Connecticut 06437

Re: Report titled *Phase I Intensive Archaeological Survey and Phase II Site Examination of the Green Development – Iron Mine Hill Road Solar Farm in the Town of North Smithfield, Rhode Island, Addendum, February 2020*

Dear Dr. Walwer:

The Rhode Island Historical Preservation and Heritage Commission (RIHPHC) staff has reviewed the above-referenced document, which reports additional Phase I archeological survey data that your firm collected to assist Green Development's planning of their Iron Mine Hill Road Solar Farm project in North Smithfield. This addendum report specifically concerns the Smith Ray Mowry Site, which was identified by Mr. Richard Keene of the North Smithfield Historical Association.

The above-referenced report establishes that the Smith Ray Mowry Site, which centers on a dry-laid stone foundation, represents a nineteenth century residential occupation. The significance of this site, in terms of its eligibility for listing in the National Register of Historic Places and/or Rhode Island's State Register of Historic Places, remains undetermined. RIHPHC agrees with the preferred management recommendation to preserve this site in place through the approaches described. If the developer goes with this option, RIHPHC has no objections to this project. However, RIHPHC also agrees that a Phase II site evaluation is warranted as an additional project planning element if the developer cannot ensure its preservation.

If you have any questions or concerns, please contact Timothy Ives, Principal Archaeologist, at 401-222-4139 or timothy.ives@preservation.ri.gov.

Sincerely yours,

J. Paul Loether
Executive Director and State Historic Preservation Officer

cc: John Brown III, NITHPO (tashtesook@aol.com)
John Brown IV, Senior Deputy NITHPO (jbnithpo@gmail.com)
Kevin Morin, Green Development, LLC (km@green-ri.com)



TOWN of NORTH SMITHFIELD PLANNING DEPARTMENT

One Main Street
Slatersville, RI 02876
Phone: 767-2200 Fax: 766-0016

APPENDIX B: APPLICATION FOR SUBDIVISION AND LAND DEVELOPMENT PROJECTS

The undersigned owner of land hereby requests to be placed on the agenda of the North Smithfield Planning Board and state that the required information detailed in the Subdivision Regulations of the Town of North Smithfield have been presented to the Administrative Officer.

John Mancini _____ of _____ Mancini Carter PC
is hereby designated as the person to whom legal process may be served in condition with any
proceedings arising out of this application. I/We also certify that the undersigned is the owner of the
property designated below:

Name of Project: GD IM 1-9 Date: 4/21/20

Classification	Type of Project	Review Stage
<input type="checkbox"/> Minor	<input type="checkbox"/> Administrative	<input type="checkbox"/> Pre-Application/Concept
<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Master Plan
	<input checked="" type="checkbox"/> Land Development Project	<input type="checkbox"/> Preliminary Plan
		<input checked="" type="checkbox"/> Final Plan

1. Assessor's Plat(s) 12 Assessor's Lot(s) 136B, 137
2. Number of Lots: No change 3. Zoning Designation(s): RA
4. Street Name: Iron Mine Hill Road
5. Divider/ Developer: GD IM 1-9, LLC (see attached)
6. Divider's/ Developer's Name: Mark DePasquale

Divider's/ Developer's Name:

(Please Print)

(Signature)

7. Names, addresses, and signatures of all persons with 10% or more interest:

8

Faudoo Khan

(Signature)

Faridoon Khan

Faridox

KHAAL

(Signature)

(Please Print)

8. Surveyor/ Engineer/ ^{*}Attorney/ ^{*}Representative: Mancini Carter PC

Name: John Mancini - Mancini Carter PC

Address: 56 Pine Street, 3rd Floor, Providence, RI 02903

Daytime Telephone # (401)343-7000 Fax number (401)343-5555

Telephone # (401)545-7000 Facsimile # (401)545-7777

(The owner hereby grants permission to Planning Board members and other Town officials to enter the designated property for the purpose of inspection after notifying the owner 48 hours in advance of site visit.)

See attached



**TOWN of NORTH SMITHFIELD
PLANNING DEPARTMENT**

One Main Street
Slaterville, RI 02876
Phone: 767-2200 Fax: 766-0016

APPENDIX B: APPLICATION FOR SUBDIVISION AND LAND DEVELOPMENT PROJECTS

The undersigned owner of land hereby requests to be placed on the agenda of the North Smithfield Planning Board and state that the required information detailed in the Subdivision Regulations of the Town of North Smithfield have been presented to the Administrative Officer.

John Mancini _____ of Mancini Carter PC
is hereby designated as the person to whom legal process may be served in condition with any proceedings arising out of this application. I/We also certify that the undersigned is the owner of the property designed below:

Name of Project: GD IM 1-9 Date: 4/21/10

Classification	Type of Project	Review Stage
<input type="checkbox"/> Minor	<input type="checkbox"/> Administrative	<input type="checkbox"/> Pre-Application/Concept
<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Master Plan
	<input checked="" type="checkbox"/> Land Development Project	<input type="checkbox"/> Preliminary Plan
		<input checked="" type="checkbox"/> Final Plan

1. Assessor's Plat(s) 13 Assessor's Lot(s) 12 & 51
2. Number of Lots: No change 3. Zoning Designation(s): RA
4. Street Name: Iron Mine Hill Road
5. Divider/ Developer: GD IM 1-9, LLC (see attached)
6. Divider's/ Developer's Name: Mark DePasquale

Divider's/ Developer's Name: (Please Print)
Mancini
(Signature)

7. Names, addresses, and signatures of all persons with 10% or more interest:

Ralph Ferra _____ Ralph Ferra _____
(Signature) (Please Print)
Muriel Ferra _____ Muriel Ferra _____
(Signature) (Please Print)

8. Surveyor/ Engineer/ Attorney / Representative: Mancini Carter PC

Name: John Mancini - Mancini Carter PC _____

Address: 56 Pine Street 3rd Floor Providence, RI 02903 _____

Daytime Telephone # (401)343-7000 _____ Facsimile # (401)343-7777 _____

(The owner hereby grants permission to Planning Board members and other Town officials to enter the designated property for the purpose of inspection after notifying the owner 48 hours in advance of site visit.)

See attached



**TOWN of NORTH SMITHFIELD
PLANNING DEPARTMENT**

One Main Street
Slaterville, RI 02876
Phone: 767-2200 Fax: 766-0016

APPENDIX B: APPLICATION FOR SUBDIVISION AND LAND DEVELOPMENT PROJECTS

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John Mancini _____ of _____ Mancini Carter PC
is hereby designated as the person to whom legal process may be served in condition with any proceedings arising out of this application. I/We also certify that the undersigned is the owner of the property designated below:

Name of Project: GD IM 1-9 Date: 4/21/20

Classification	Type of Project	Review Stage
<input type="checkbox"/> Minor	<input type="checkbox"/> Administrative	<input type="checkbox"/> Pre-Application/Concept
<input checked="" type="checkbox"/> Major	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Master Plan
	<input checked="" type="checkbox"/> Land Development Project	<input type="checkbox"/> Preliminary Plan

1. Assessor's Plat(s) 16 17 Assessor's Lot(s) 6 & 97 175
2. Number of Lots: No change 3. Zoning Designation(s): RA
4. Street Name: Iron Mine Hill Road
5. Divider/ Developer: GD IM 1-9, LLC (see attached)
6. Divider's/ Developer's Name: Mark DePasquale

Divider's/ Developer's Name: (X)

(Please Print)

Meele
(Signature)

7. Names, addresses, and signatures of all persons with 10% or more interest:

<u>(X) Ralph Ferra</u> (Signature)	Ralph Ferra (Please Print)
<u>(X) Muriel Ferra</u> (Signature)	Muriel Ferra (Please Print)

8. Surveyor/ Engineer/ ^{*}Attorney^{*} Representative: Mancini Carter PC

Name: John Mancini Mancini Carter PC

Address: 56 Pine Street 3rd Floor Providence, RI 02903

Daytime Telephone # (401)343-7000 Facsimile # (401)343-7777

(The owner hereby grants permission to Planning Board members and other Town officials to enter the designated property for the purpose of inspection after notifying the owner 48 hours in advance of site visit.)

See attached



Letter of Transmittal

To: Town of North Smithfield Building and Zoning 575 Smithfield Road North Smithfield, RI 02896	
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Attention: Mr. Kerry Anderson, Building Official
Date: 1/14/2020
Re: Iron Mine Hill Road Solar
Job No: 18-2-34P

Via: Choose an item.

<input type="checkbox"/> Progress Prints	<input checked="" type="checkbox"/> Submission Documents	<input checked="" type="checkbox"/> Supporting Material	<input type="checkbox"/> Other
Number of Copies:	Date of Document:	Description:	
1		24"x 36" Plans	
1		Erosion and Sediment Control Application, Fee Calculation, and Owner list	
1		Check for Fee (Check #8511, \$3,035.00)	
1		Soil Erosion and Sediment Control Plan (report)	
1		Stormwater System Operation & Maintenance Plan (report)	
1		Stormwater Management Report	

Items Transmitted as Checked Below:

<input type="checkbox"/> For Approval	<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> As Requested	<input checked="" type="checkbox"/> For Review
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Remarks:

Kerry,

Enclosed is the application and supporting material for the project as well as the RIDEM Insignificant Alteration and RIPDES permit that were issued. We would like to confirm the inspection fee schedule and provide a separate check for that at the appropriate time. Feel free to call or email with any questions.

Thanks

Kevin

Signed:

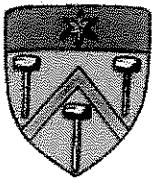
A handwritten signature in blue ink, appearing to read "Kevin Morin, PE".

Kevin Morin, PE

Director of Development & Engineering

Copy:

km@green-ri.com



Town of North Smithfield

Office of the Building and Zoning Official



March 4, 2020

Kevin Morin, PE
Green Development, LLC
3760 Quaker Lane
North Kingstown, RI 02852

Re: Iron Mine Hill Solar Project

Dear Mr. Morin:

I have reviewed the plans and reports for the above named project submitted to this office under Letter of Transmittal dated January 14, 2020.

I find the plans to be in compliance with North Smithfield Zoning Ordinance Section 18 Soil Erosion and Sediment Control and Stormwater Pollution Prevention Plan.

Please call me at your convenience to discuss phasing, fees and project certification.

Respectfully,

Kerry Anderson
Building Official
767-2200 ext 311