

SHEET INDEX:
 SHEET 1 - PD SITE PLAN 1 OF 3
 SHEET 2 - PD SITE PLAN 2 OF 3
 SHEET 3 - PD SITE PLAN 3 OF 3
 SHEET 4 - PD DETAILS
 SHEET 5 - EROSION CONTROL PLAN
 SHEET 6 - SURVEY PLAN

DUTEMPLE SOLAR FARM

FRESHWATER WETLANDS APPLICATION

ASSESSOR'S MAP 36 BLOCK 2 LOT 2

SITUATED IN

EXETER, RHODE ISLAND

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

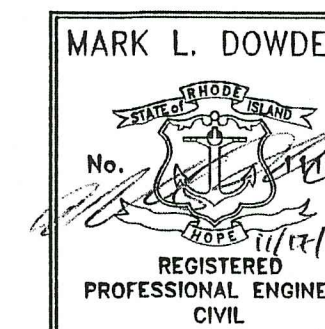
Kindly be advised that this Permit
 is not equivalent to a
 verification of the type or extent
 of freshwater wetlands on site

PREPARED FOR
ASA DAVIS, III
 146 BEECHWOOD HILL TRAIL
 EXETER, RI 02822

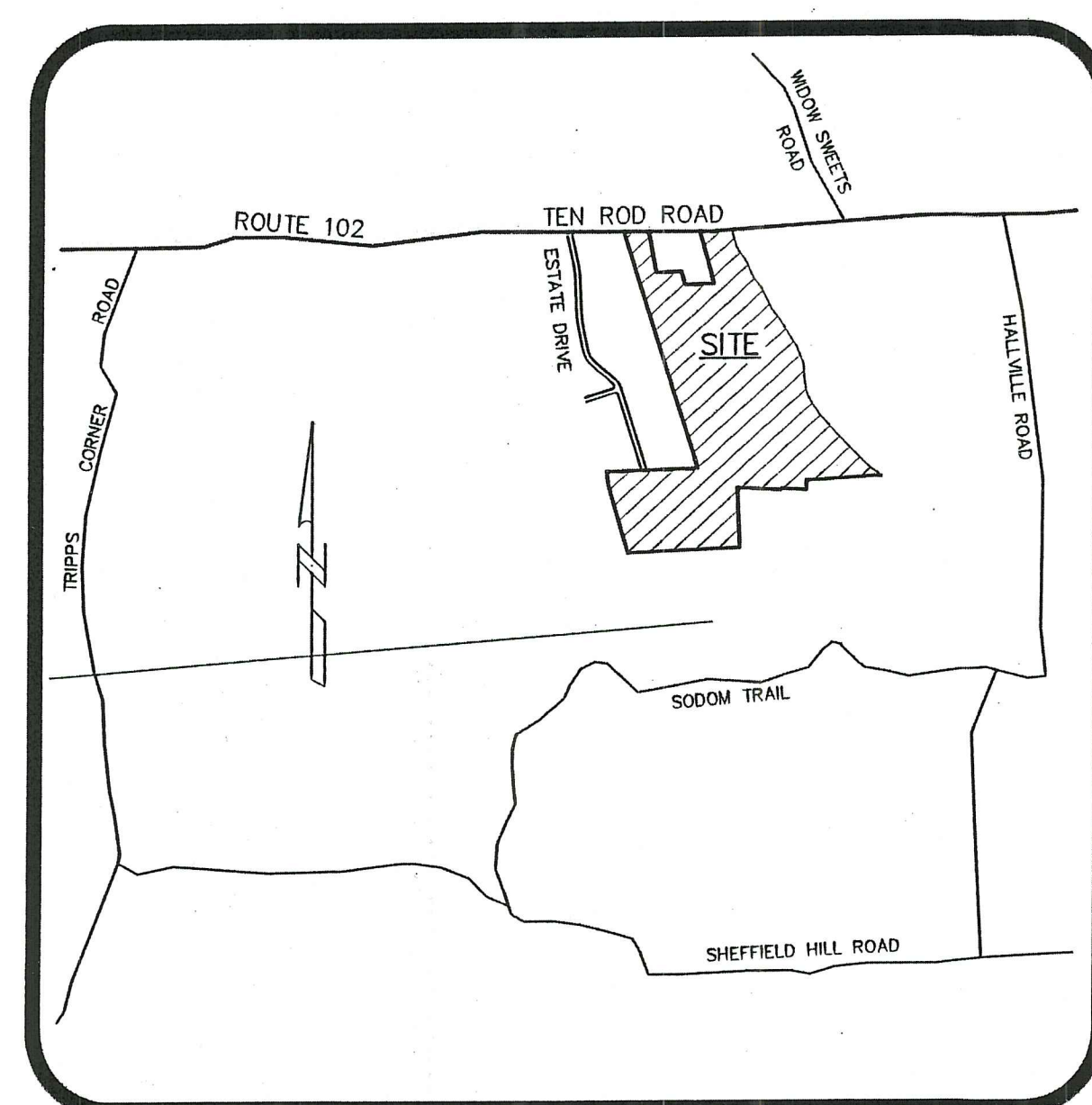
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM

APPROVED WITH CONDITIONS AS
 SPECIFIED IN THE LETTER OF APPROVAL

DATED: FEB 27 2022 FILE #: _____
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



Mark L. Dowdell



LOCATION MAP
 NOT TO SCALE

CLASS OF MAPPING NOTE:
 THIS SURVEY AND PLAN (OTHER THAN THE PERIMETER SURVEY) CONFORM TO A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

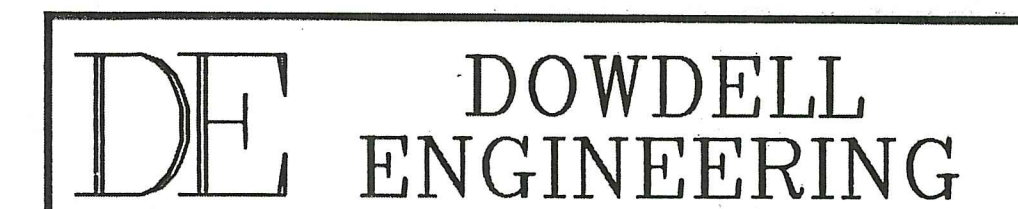
LEGEND:

- SUBDIVISION BOUNDARY LINE
- - - 150' - - - EXISTING CONTOUR
- - - 120' - - - PROPOSED CONTOUR
- ⊕ VERIFIED TEST HOLE
- ⊞ EXISTING STONE WALL
- ⋈ EXISTING EDGE OF VEGETATION
- ⋈⋈⋈ LIMIT OF DISTURBANCE/STAKED HAYBALES OR SILT FENCE

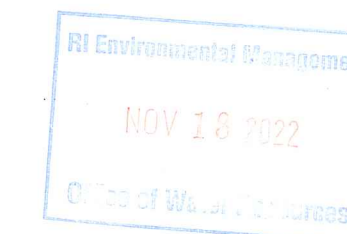
DATE:

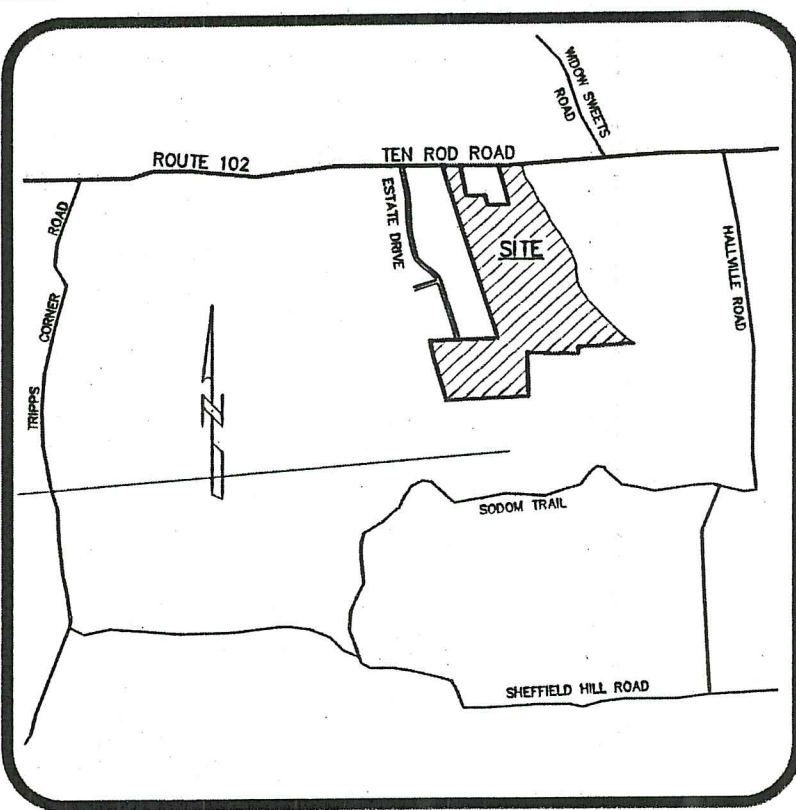
AUGUST 30, 2021
 REVISED: JUNE 7, 2022, 07/14/22, 11/14/22
 PENDING RIDEM WETLANDS APP. #21-0242

PREPARED BY



DOWDELL ENGINEERING ASSOCIATES, LLC
 CIVIL & ENVIRONMENTAL ENGINEERS
 SURVEYORS & LAND PLANNERS
 P.O. BOX 1684 • 3949 OLD POST ROAD
 CHARLESTOWN, RHODE ISLAND 02813
 (401) 364-1027
 WEBSITE: dowdelleng.com EMAIL: mark@dowdelleng.com





LOCATION MAP
(Not To Scale)

AM 23 BLK 2 LOT 1

AM 23 BLK 2 LOT 3

AM 23 BLK 2 LOT 6

100-YR FLOOD PLAIN IMPACT AVOIDANCE

FEMA MAP 44009C0080J WAS REVIEWED FOR THIS PROJECT, WHICH PROVIDED NO 100-YEAR FLOOD PLAIN DATA FOR DUTEMPLE BROOK.

THE PROPOSED DUTEMPLE SOLAR FARM WILL HAVE NO ADVERSE IMPACT ON THE 100-YEAR FLOOD PLAIN LINE AND ELEVATION OF THE DUTEMPLE BROOK, AND ANY OTHER FLOWING BODIES OF WATER ON/ADJACENT TO THE SITE AND WITHIN THE DEM PROGRAM'S JURISDICTION.

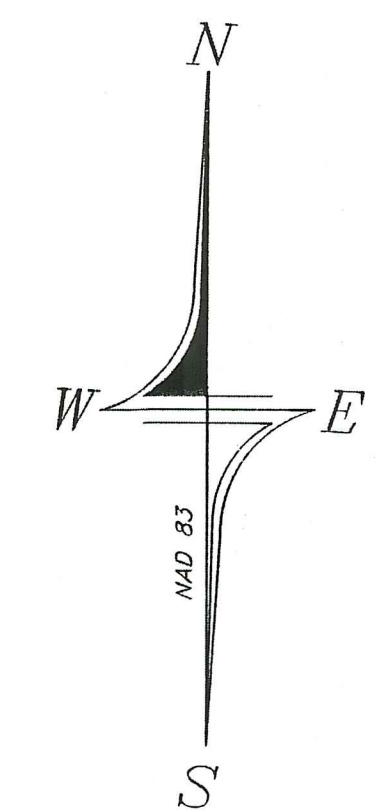
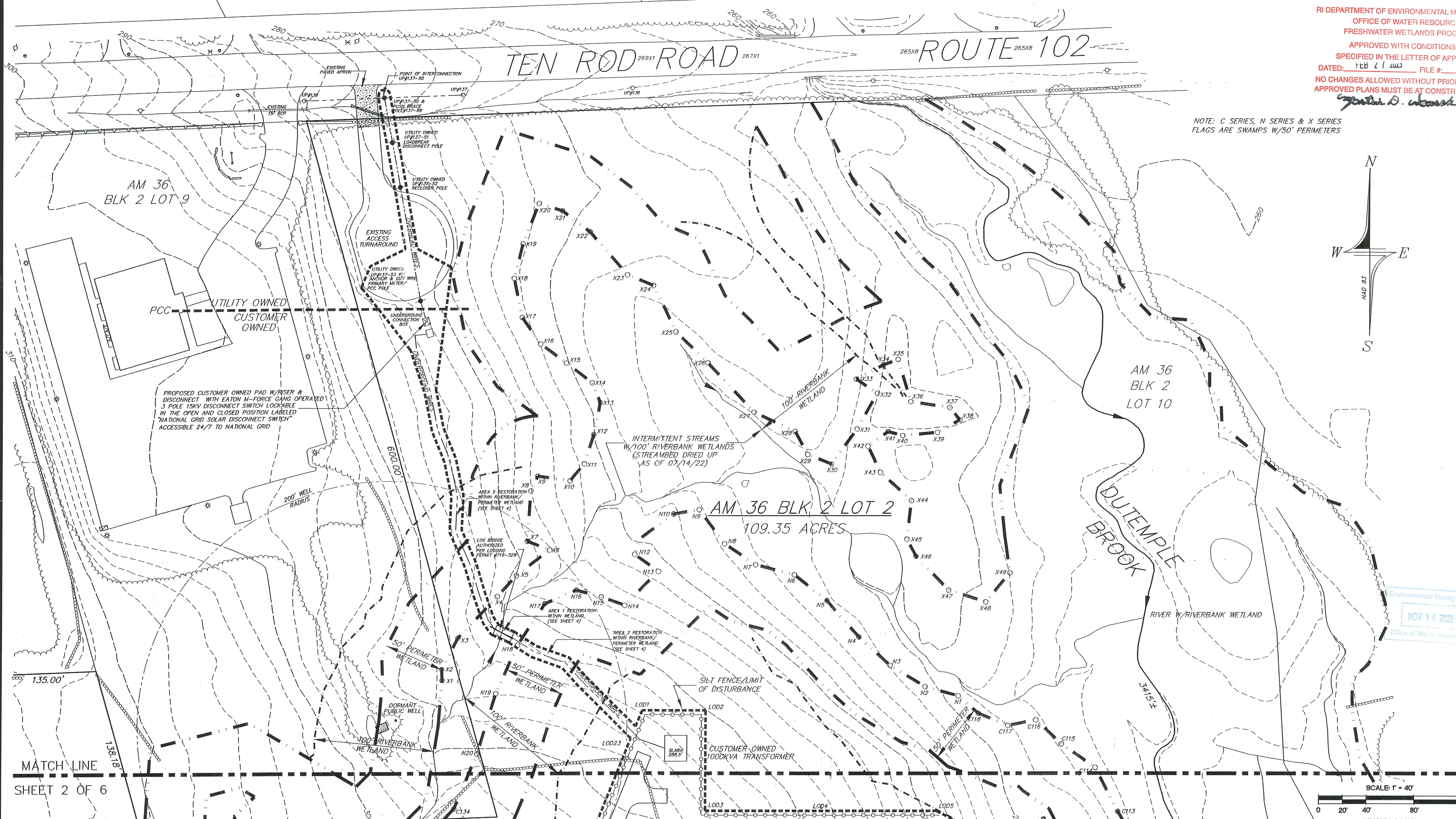
MORE INFORMATION FOR IMPACT AVOIDANCE IS PROVIDED IN THE STORMWATER ANALYSIS/ENGINEERING REPORT REVISED NOVEMBER 2022.

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NOTE: C SERIES, N SERIES & X SERIES
FLAGS ARE SWAMPS W/50' PERIMETERS



PRELIMINARY DETERMINATION SITE PLAN 1
DUTEMPLE SOLAR FARM
0 TEN ROD ROAD-ROUTE 102
ASSESSOR'S MAP 36 BLOCK 2 LOT 2
PREPARED FOR
ASA DAVIS, III
SITUATED IN THE TOWN OF
EXETER, RHODE ISLAND

NO.	REVISION	DATE
1.	RIDEM COMMENTS	11/01/21
2.	RIDEM COMMENTS	12/15/21
3.	RIDEM COMMENTS	06/07/22
4.	RIDEM COMMENTS	07/14/22
5.	RIDEM COMMENTS	11/14/22

MARK L. DOWDELL
No. 11772Z
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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DOWDELL ENGINEERING ASSOCIATES, LLC
CIVIL & ENVIRONMENTAL ENGINEERS
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(401) 384-1027

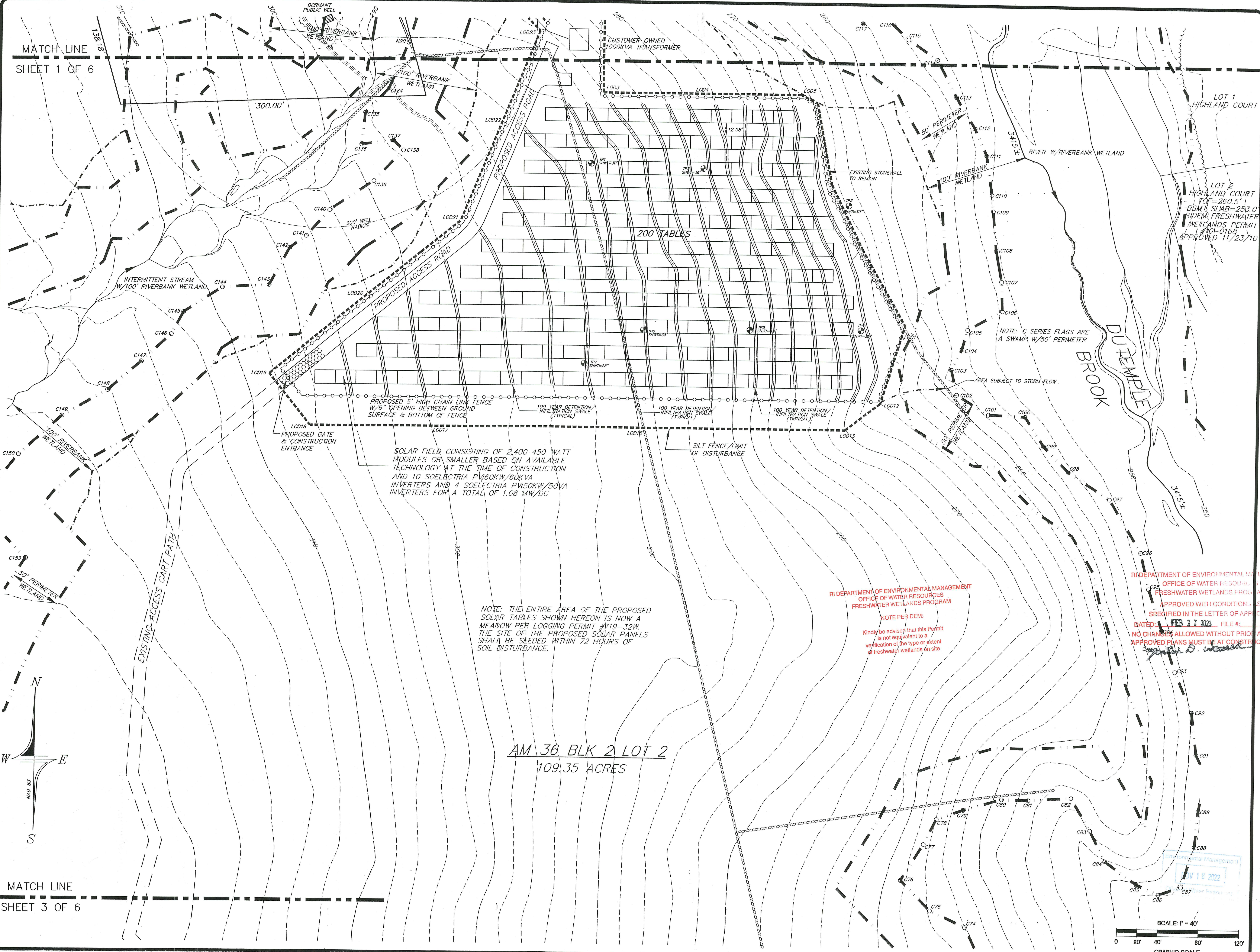
Environmental Management
NOV 18 2022
Office of Water Resources

MATCH LINE
SHEET 2 OF 6

SCALE: 1" = 40'
GRAPHIC SCALE

JOB NO. 3230	DRAWN BY: R.L.C.
DWG. NO. 3230-PD1	CHECKED: W.D.D.
SCALE: AS NOTED	APPROVED: M.L.D.
	DATE: AUGUST 4, 2021
SHEET: 1	
1 OF 6 SHEETS	

MATCH LINE
SHEET 1 OF 6



MATCH LINE
SHEET 3 OF 6

AM 36 BLK 2 LOT 2
109.35 ACRES

SOLAR FIELD CONSISTING OF 2,400 450 WATT MODULES OR SMALLER BASED ON AVAILABLE TECHNOLOGY AT THE TIME OF CONSTRUCTION AND 10 SOLECTRIA P160KW/60KVA INVERTERS AND 4 SOLECTRIA PW50KW/50VA INVERTERS FOR A TOTAL OF 1.08 MW/DC

NOTE: THE ENTIRE AREA OF THE PROPOSED SOLAR TABLES SHOWN HEREON IS NOW A MEADOW PER LOGGING PERMIT #119-32W. THE SITE OF THE PROPOSED SOLAR PANELS SHALL BE SEEDED WITHIN 72 HOURS OF SOIL DISTURBANCE.

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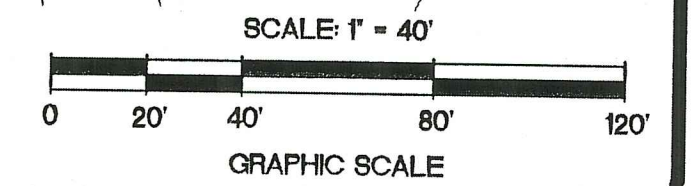
PRELIMINARY DETERMINATION SITE PLAN 2
DUTEMPLE SOLAR FARM
0 TEN ROD ROAD-ROUTE 102
ASSESSOR'S MAP 36 BLOCK 2 LOT 2
PREPARED FOR
ASA DAVIS, III
SITUATED IN THE TOWN OF
EXETER, RHODE ISLAND

NO.	REVISION	DATE
1.	RIDEM COMMENTS	06/07/22
2.	RIDEM COMMENTS	07/14/22
3.	RIDEM COMMENTS	11/14/22

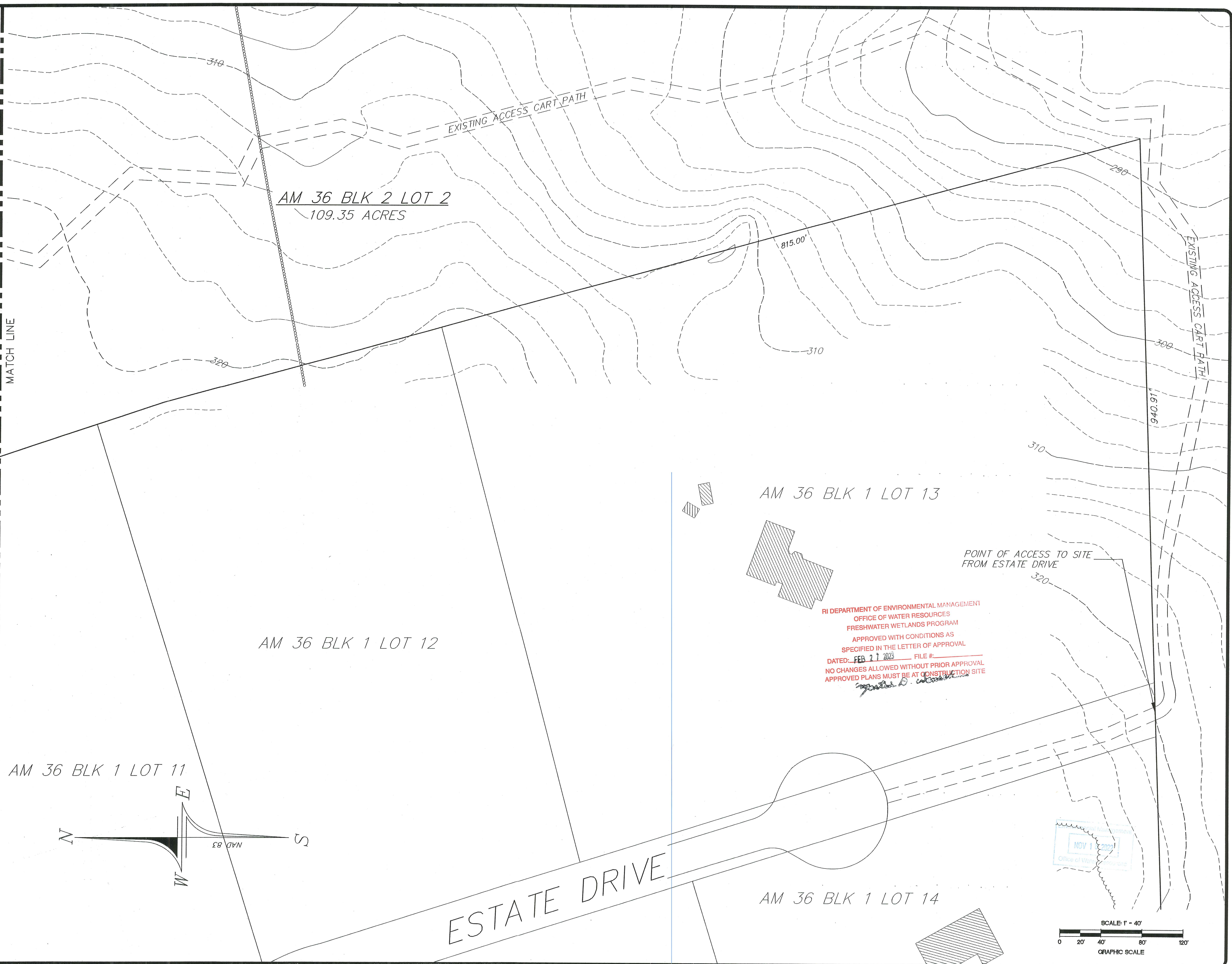
MARK L. DOWDELL
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DE DOWDELL ENGINEERING
DOWDELL ENGINEERING ASSOCIATES, LLC
CIVIL & ENVIRONMENTAL ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1894 * 3949 OLD POST ROAD
CHARLESTOWN, RHODE ISLAND 02813
(401) 364-1027

JOB NO. 3230 DRAWN BY: R.L.C.
DWG. NO. 3230-PD1. CHECKED: W.M.D.
SCALE: 1"=40' DATE: AUGUST 4, 2021
SHEET: 2



SHEET 2 OF 6
MATCH LINE



PRELIMINARY DETERMINATION SITE PLAN 3
DUTEMPLE SOLAR FARM
 0 TEN ROD ROAD-ROUTE 102
 ASSESSOR'S MAP 36 BLOCK 2 LOT 2
 PREPARED FOR
ASA DAVIS, III
 SITUATED IN THE TOWN OF
 EXETER, RHODE ISLAND

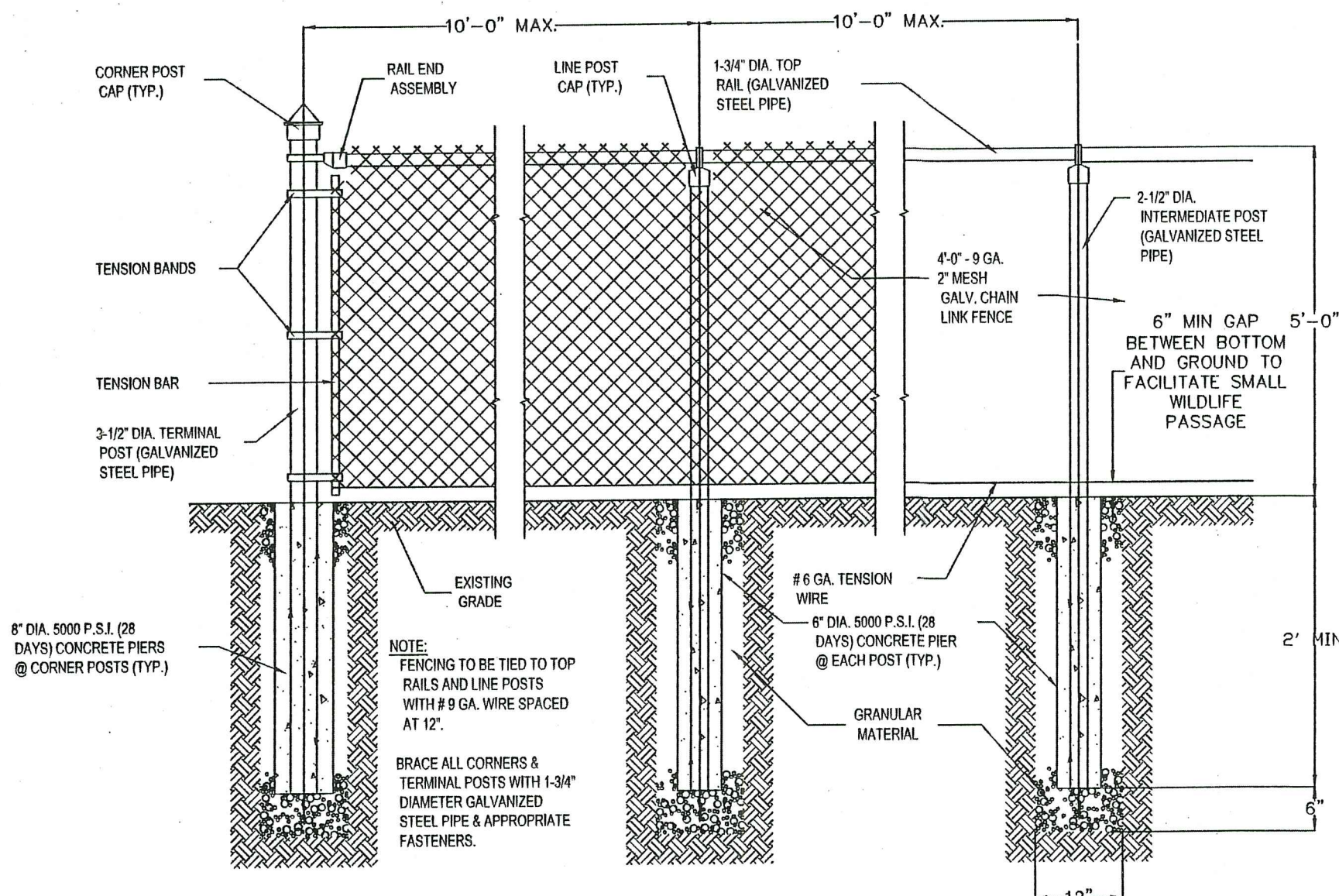
NO.	REVISION	DATE
1.	RIDEM COMMENTS	06/07/22
2.	RIDEM COMMENTS	07/14/22
3.	RIDEM COMMENTS	11/14/22

MARK L. DOWDELL
 No. 0025119/22
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

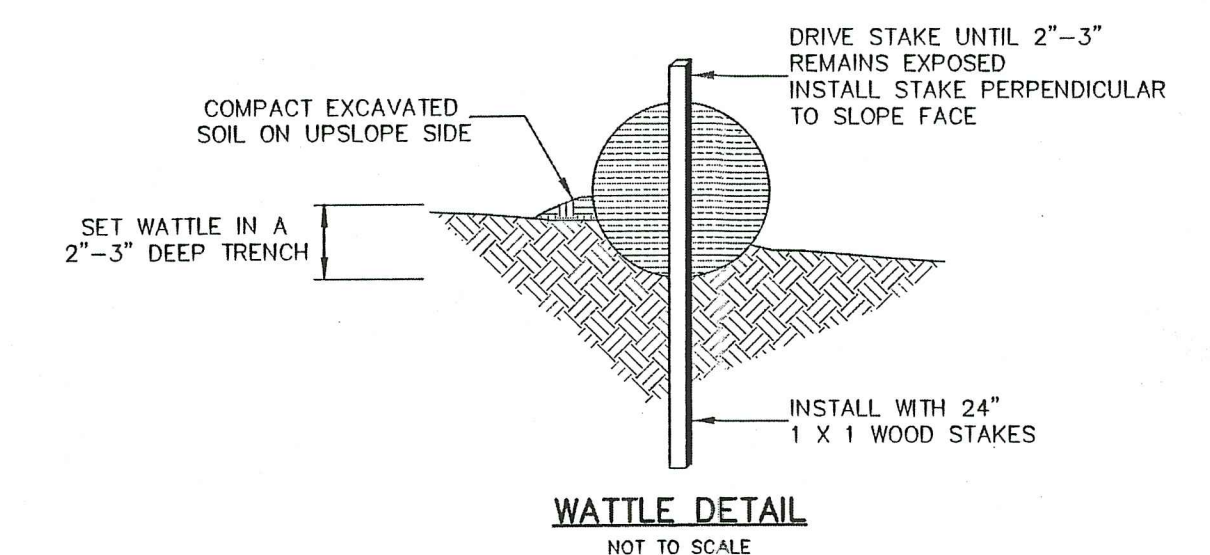
DE DOWDELL ENGINEERING
 DOWDELL ENGINEERING ASSOCIATES, LLC
 CIVIL & ENVIRONMENTAL ENGINEERS
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 P.O. BOX 1084 EXETER, RHODE ISLAND 02841
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JOB NO. 3230	DRAWN BY: R.L.C.
DWG. NO. 3230-PD1	CHECKED: W.D.D.
SCALE: 1" = 40'	APPROVED: M.L.D.
SHEET: 3	DATE: AUGUST 4, 2021

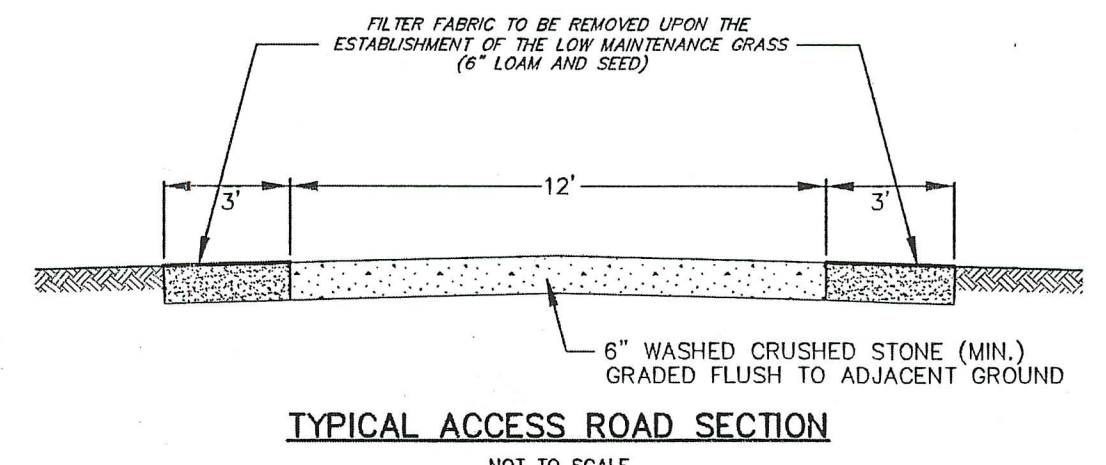
3 OF 6 SHEETS



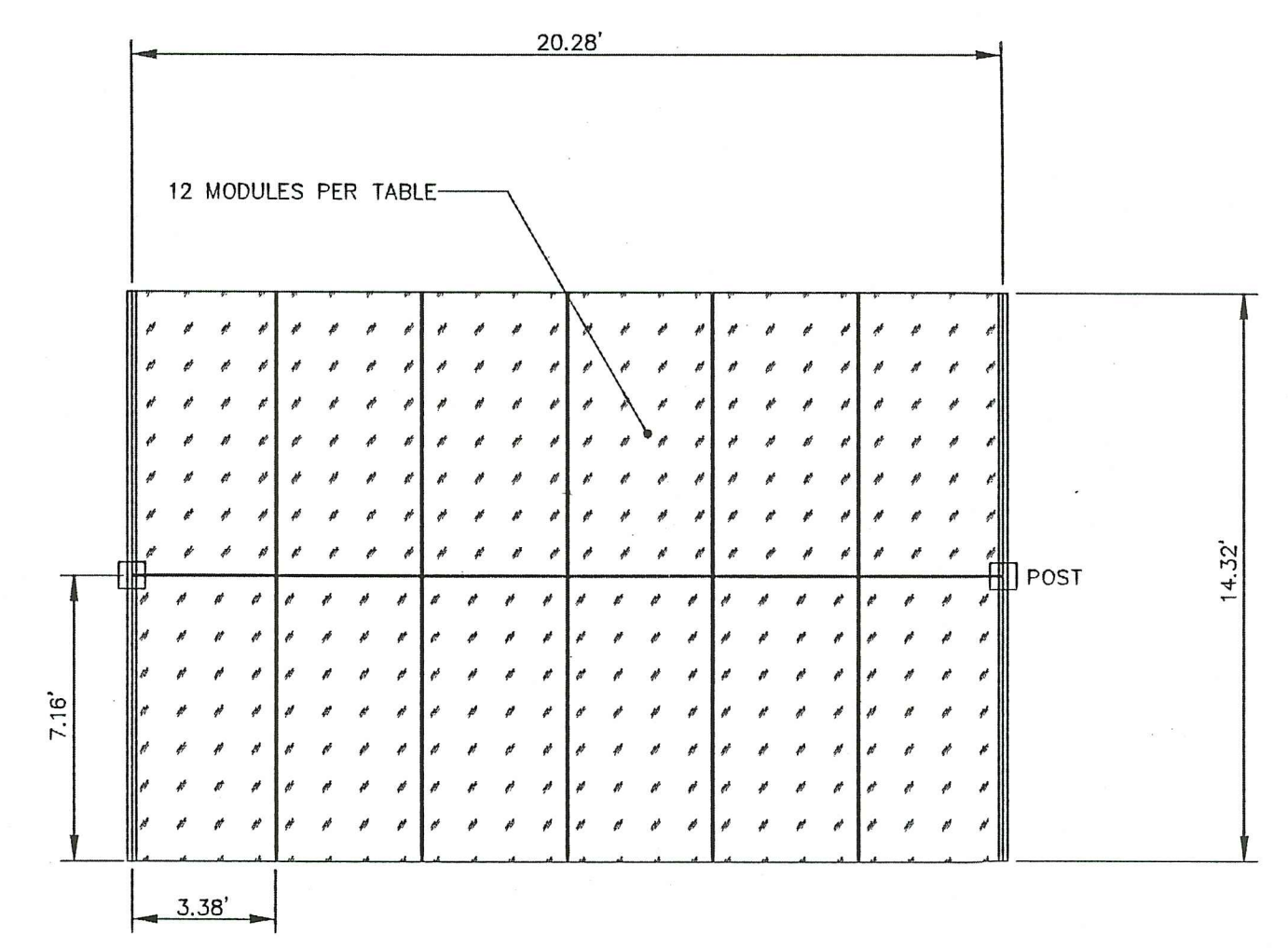
CHAIN LINK FENCE WITH 6" GAP
NOT TO SCALE



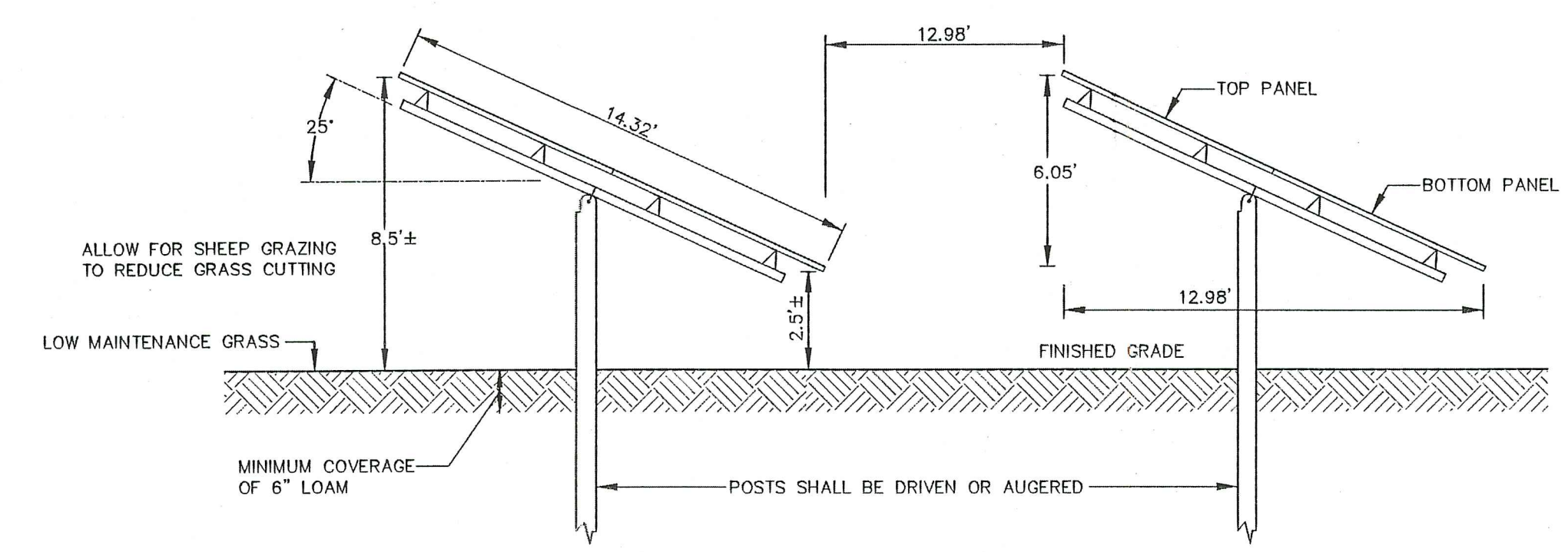
WATTLE DETAIL
NOT TO SCALE



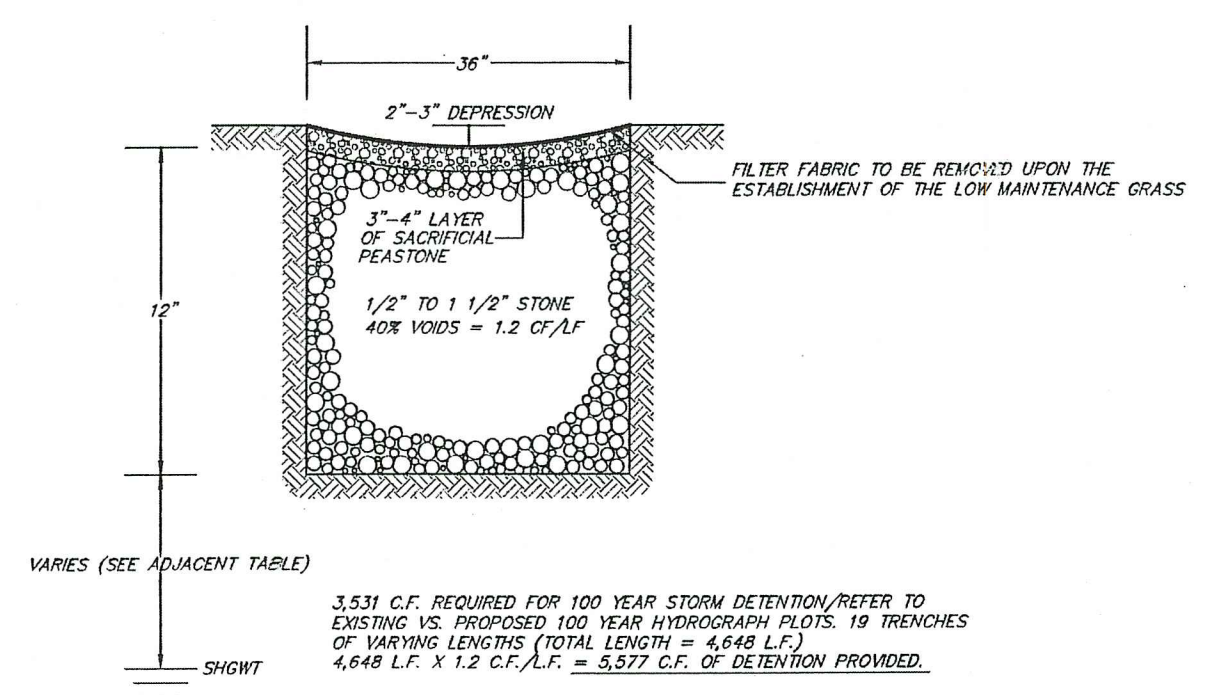
TYPICAL ACCESS ROAD SECTION
NOT TO SCALE



TYPICAL SOLAR PANEL TABLE
USE SOLAR MOUNTS LLC GROUND MOUNTS
WITH EAGLE 78TR G4 PANELS
NOT TO SCALE



TYPICAL SOLAR PANELS & RACK DETAIL
NOT TO SCALE



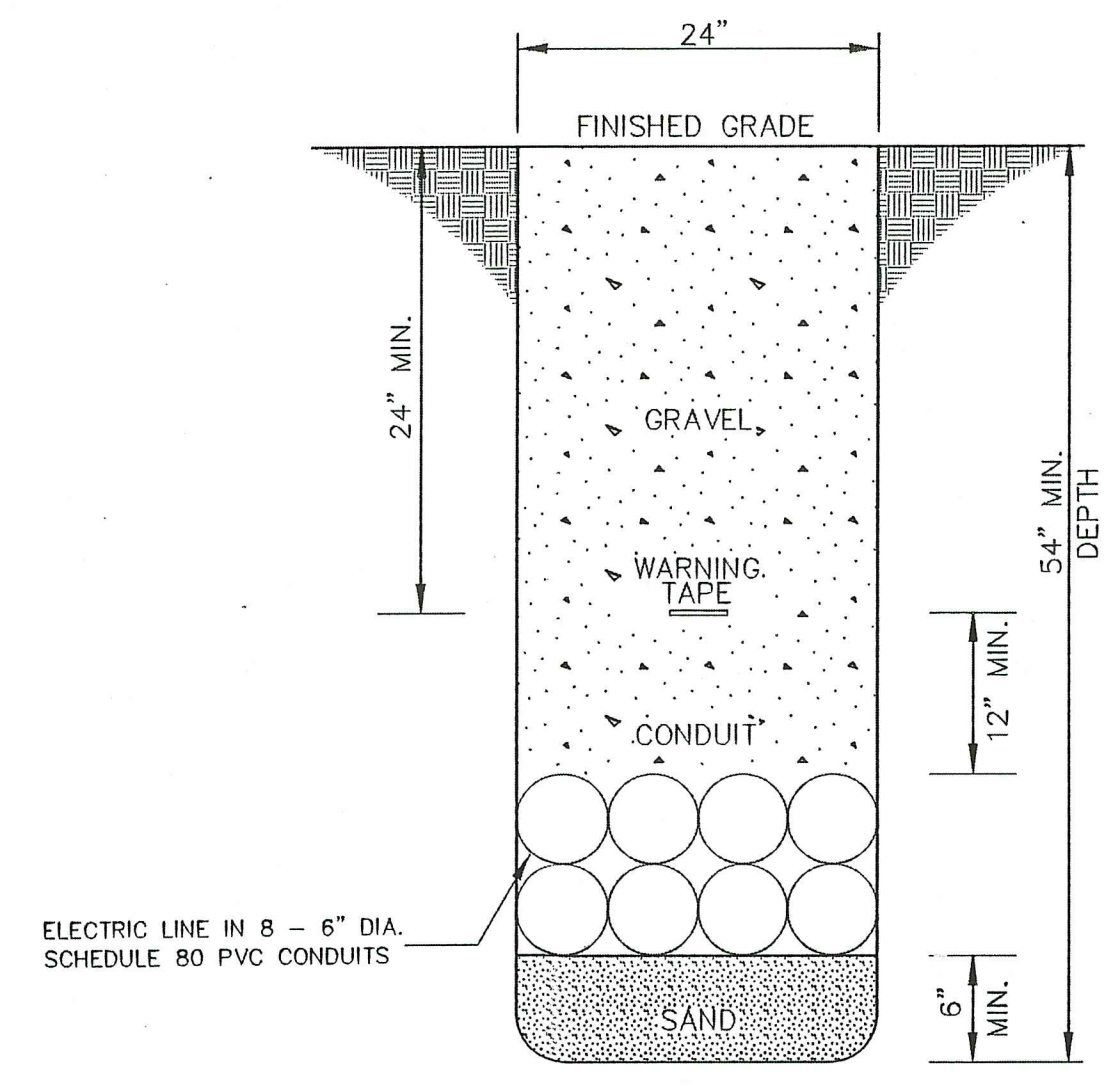
INFILTRATION SWALE DETAIL
NOT TO SCALE

INFILTRATION SWALE CLEARANCE TO SHGWT

TH#	SHGWT DEPTH	BOTTOM OF LEACHING TRENCH TO SHGWT
1	30"	18"
2	36"	24"
3	30"	18"
4	26"	14"
5	43"	31"
6	38"	22"
7	28"	16"
		20.4" AVERAGE

RESTORATIVE PLANTING NOTES FOR INTERMITTENT STREAM CROSSING

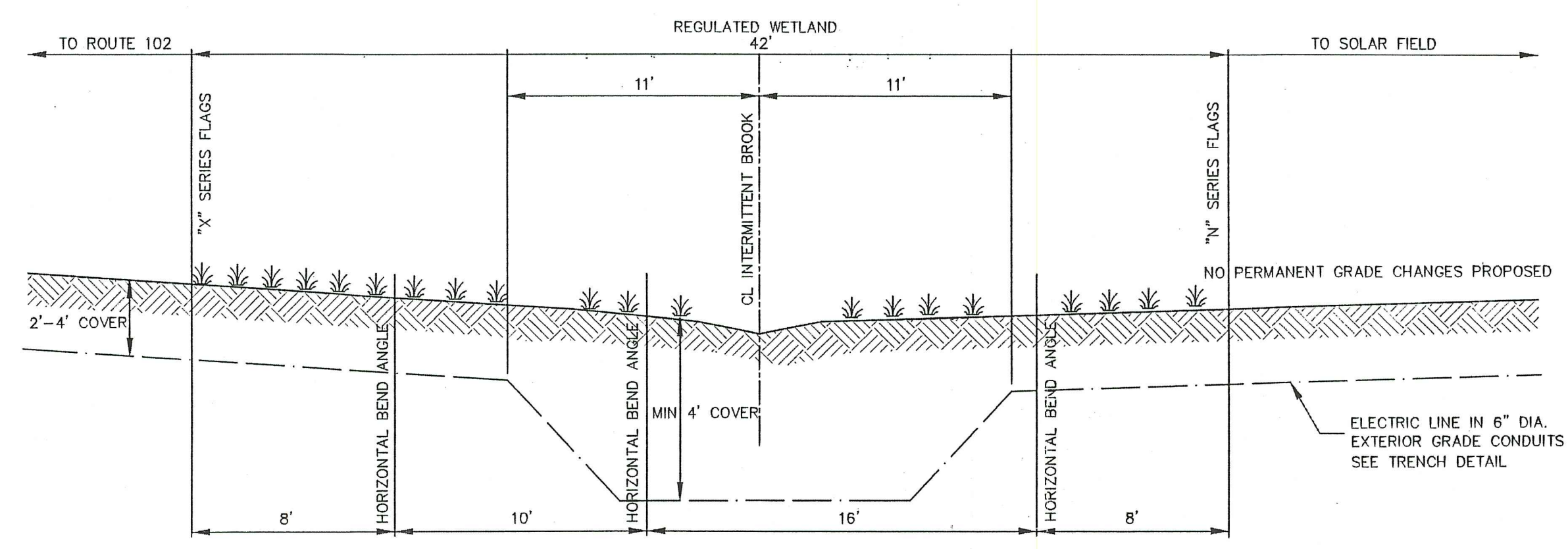
- ALL WORK WITHIN THE WETLAND AND STREAM SPANNING SHALL BE CONDUCTED DURING THE DRY SEASON FROM JUNE 1 - NOVEMBER 1 OF A GIVEN YEAR.
- THE CONDUIT SHALL BE LOWERED INTO PLACE VIA A MINI EXCAVATOR ARM STATIONED OUTSIDE THE BANKS OF THE STREAM AND WITHIN THE DEPICTED LOD. PER THE OPEN CUT TRENCH DETAIL.
- PRIOR TO TRENCHING, MULCH WATTLES OR OTHER SIMILAR EROSION CONTROL SHALL BE INSTALLED LINEARLY ALONG THE LOD AS DEPICTED ON THE SITE PLAN. THESE CONTROLS SHALL REMAIN IN PLACE THROUGHOUT ALL WORK UNTIL SOIL HAS STABILIZED AND THE AREA HAS BEEN REPLANTED.
- ALL WORK WITHIN THE WETLAND/PERIMETER WETLAND/RIVERBANK WETLAND SHALL BE MONITORED BY A PROFESSIONAL WETLAND SCIENTIST.
- ONCE TRENCHING IS COMPLETE AND CONDUIT INSTALLED, CARE SHALL BE TAKEN TO BACKFILL THE TRENCH TO RETAIN SOIL HORIZONATION (I.E. TOPSOIL WILL BE PLACED ON TOP TO RETAIN SEEDBANK).
- THE SOIL IN AREA 1 SHALL BE AMENDED WITH A NATIVE CONSERVATION MIX AND THEN BOTH AREAS 1 AND 2 WILL THEN BE TOPPED WITH A LOOSE STRAW MULCH TO AID IN STABILIZATION.
- AREA 1 SHALL BE PLANTED WITH A COMBINATION OF THE FOLLOWING SPECIES:
 - WINTERBERRY (ILEX VERTICILLATA)
 - SWEET PEPPERBUSH (CLETHRA ANIFOLIA)
 - HIGH-BUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
- AREA 2 SHALL BE PLANTED WITH A COMBINATION OF:
 - MOUNTAIN LAUREL (KALMIA LATIFOLIA)
 - HIGH-BUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
 - WITCH HAZEL (HAMAMELIS VIRGINIANA)
- PLANTINGS SHALL BE PLACED SPORADICALLY THROUGHOUT THE AREA SPACED 6 FEET ON CENTER TO ACHIEVE A NATURAL LANDSCAPE AESTHETIC CONSISTENT WITH THE SURROUNDING HABITAT. SHRUBS SHALL BE SIZED 24"-36" HEIGHT AFTER PLANTING.
- A MONITORING REPORT SHALL BE SUBMITTED TO DEM PERMITTING STAFF AT THE END OF RESTORATIVE PLANTING AND ONE YEAR FOLLOWING COMPLETION TO ENSURE SURVIVAL OF THE PLANTINGS.



OPEN CUT TRENCH DETAIL
NOT TO SCALE

NOTE: NUMBER AND SIZE OF CONDUITS TO BE LESS THAN OR EQUAL TO THE NUMBER SHOWN ON TRENCH DETAIL

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INTERMITTENT STREAM CROSSING DETAIL
BELOW GRADE CONDUITS
NOT TO SCALE

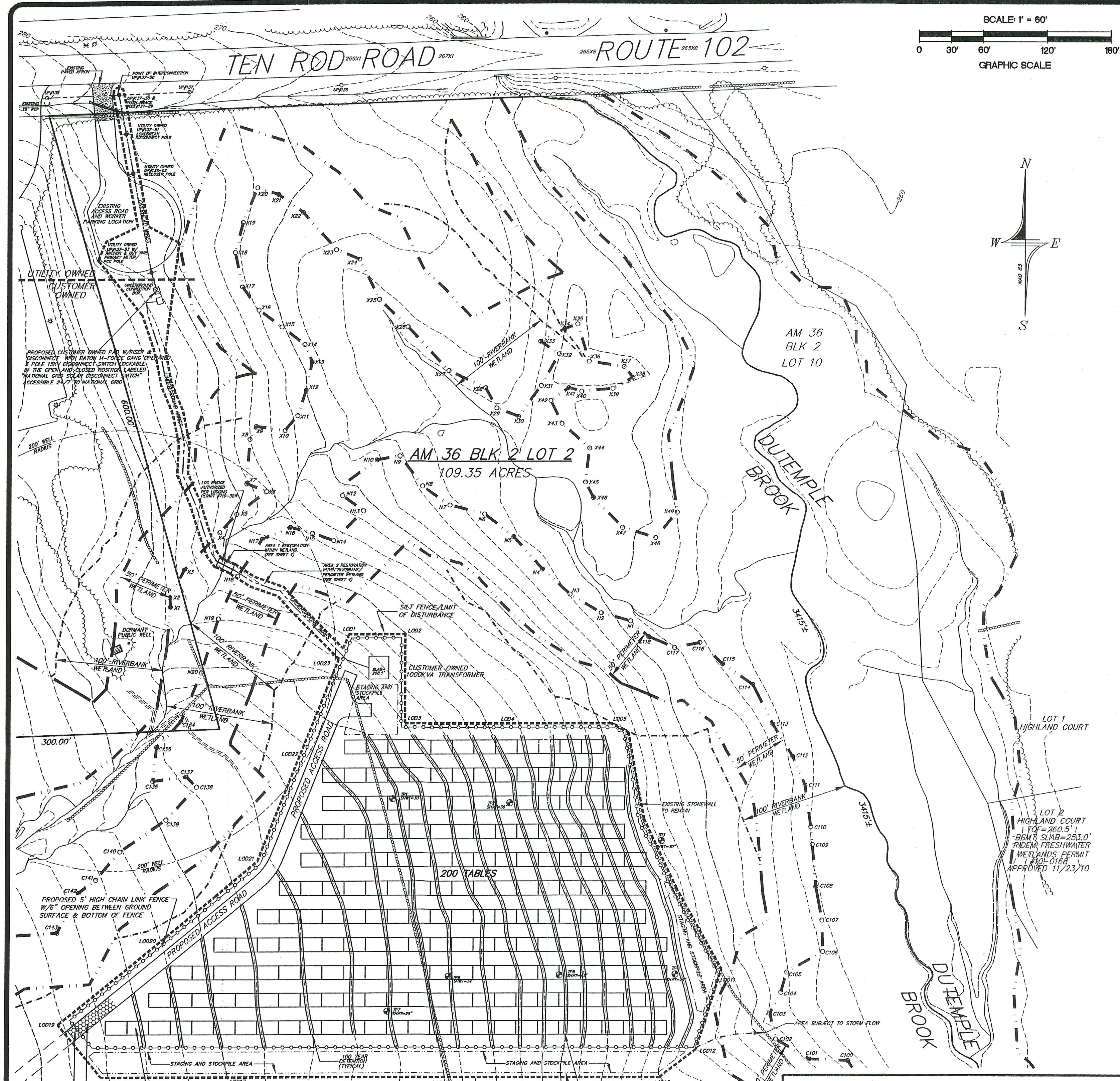
DETAIL SHEET
FOR
"DUTEMPLE SOLAR FARM"
SITUATED IN THE TOWN OF
EXETER, RHODE ISLAND
PREPARED FOR
ASA DAVIS, III

NO.	REVISION	DATE
1.	RIDEM COMMENTS	11/01/21
2.	RIDEM COMMENTS	06/07/22
3.	RIDEM COMMENTS	07/14/22
4.	RIDEM COMMENTS	11/14/22

MARK L. DOWDELL
REGISTERED PROFESSIONAL ENGINEER
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CHARLESTOWN, RHODE ISLAND 02813
(401) 364-1027
WEBSITE: dowdelleng.com EMAIL: mark@dowdelleng.com

JOB NO. 3230 DRAWN BY: R.L.C.
DWG. NO. 3230-PDDT CHECKED: W.D.D.
SCALE: AS NOTED APPROVED: M.L.D.
DATE: AUGUST 30, 2021



NOTE
THE ENTIRE AREA OF THE PROPOSED SOLAR TABLES SHOWN HEREON IS NOW A MEADOW PER LOGGING PERMIT #719-32W. THE SITE OF THE PROPOSED SOLAR PANELS SHALL BE HYDROLOGICALLY RESTORED WITHIN 12 HOURS OF SOIL DISTURBANCE.

AM 36 BLK 2 LOT 2
109.35 ACRES

NOTE
SOLAR FIELD CONSISTING OF 2400 450 WATT MODULES OR SMALLER BASED ON AVAILABLE TECHNOLOGY AT THE TIME OF CONSTRUCTION AND 10 SOLETRIA PV60KW/60VA INVERTERS AND 4 SOLETRIA PV60KW/30VA INVERTERS FOR A TOTAL OF 1.08 MW/DC

PROTECTION WILL BE PROVIDED TO THE STONE SURFACE OF THE ACCESS ROAD FROM SEDIMENTS DURING THE CONSTRUCTION PHASES.

STORAGE OF EQUIPMENT & MATERIALS TO REMAIN INSIDE LOD DURING CONSTRUCTION.
CONSTRUCTION TO BE STAGED IN A WESTERLY DIRECTION STARTING ON THE EAST SIDE OF THE SITE.

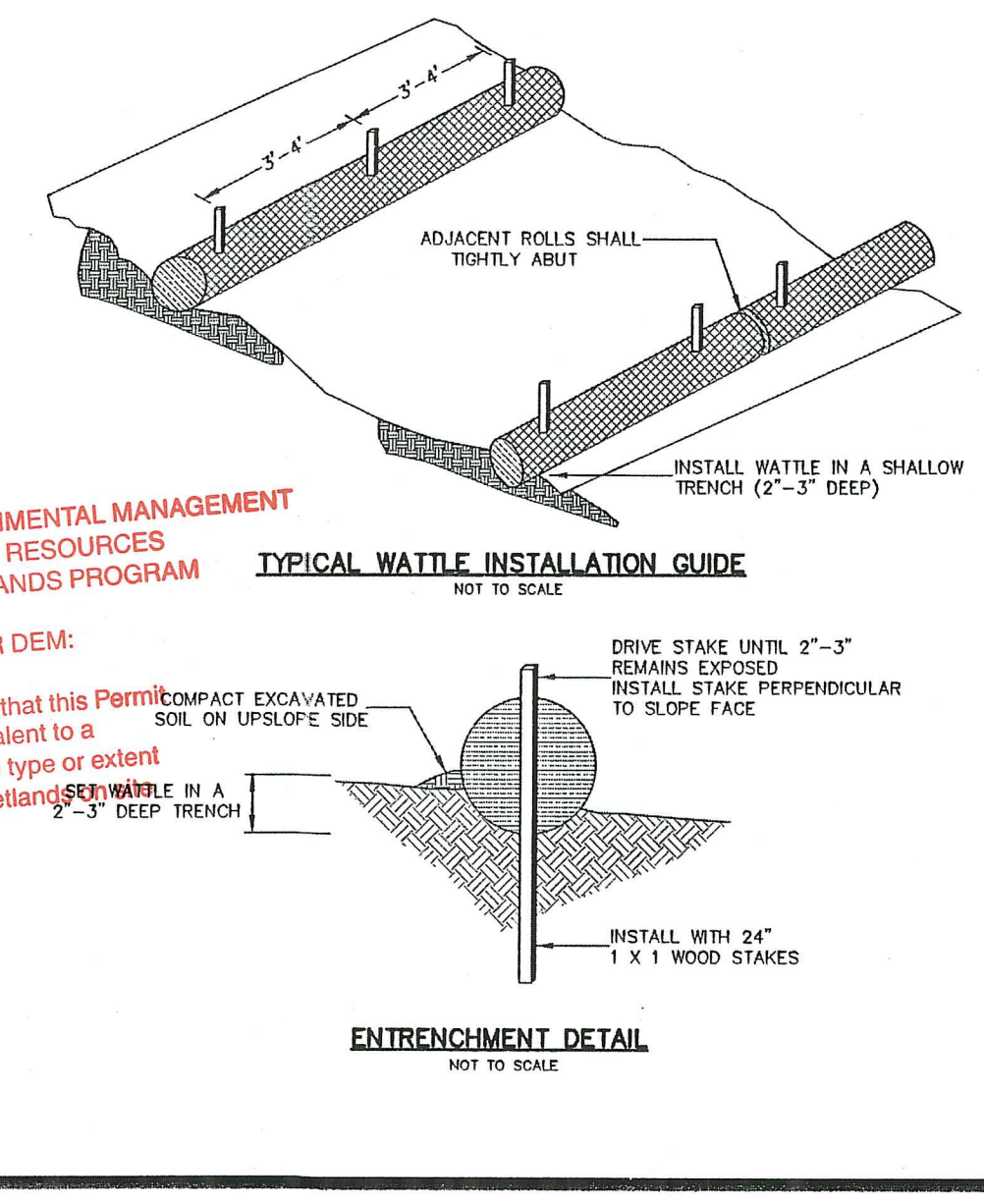
ADJACENT ROLLS SHALL TIGHTLY ABUT

INSTALL WATTLE IN A SHALLOW TRENCH (2'-3" DEEP)

DRIVE STAKE UNTIL 2"-3" REMAINS EXPOSED
INSTALL STAKE PERPENDICULAR TO SLOPE FACE

INSTALL WITH 24" X 1 X 1 WOOD STAKES

ENTRENCHMENT DETAIL
NOT TO SCALE

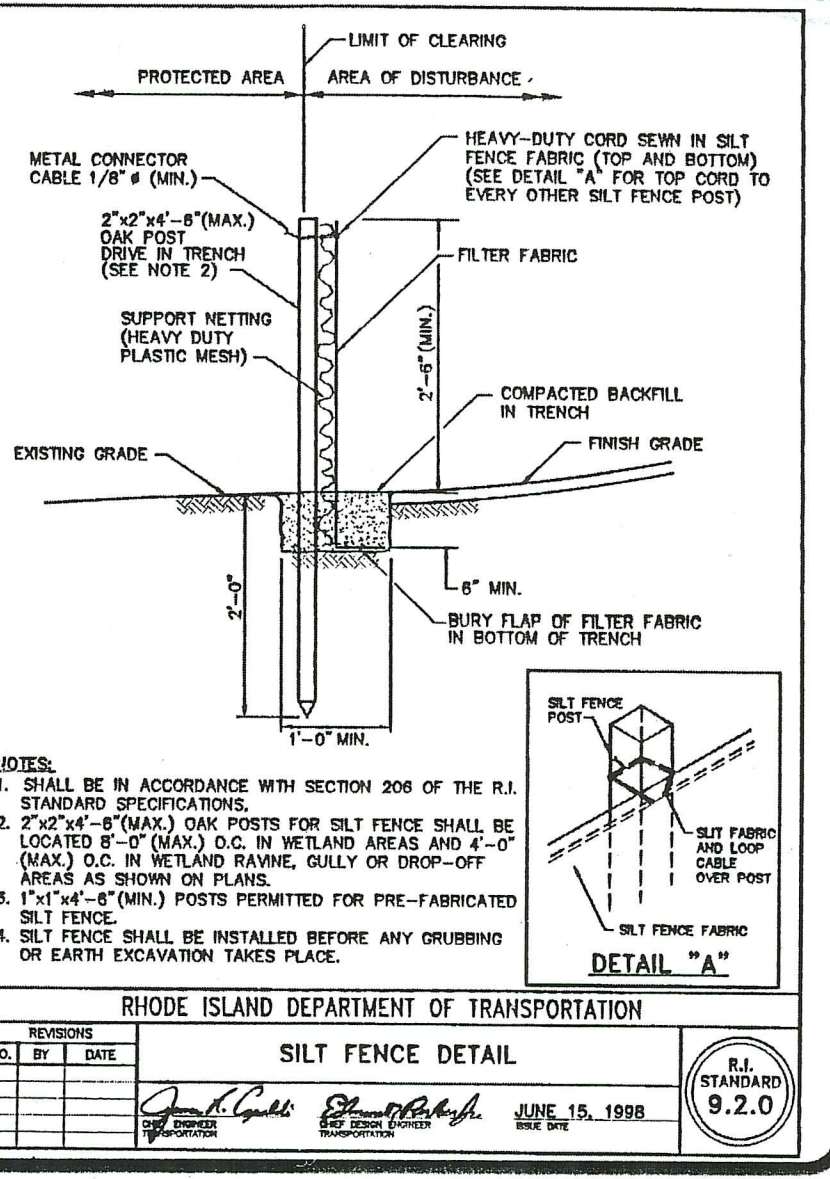
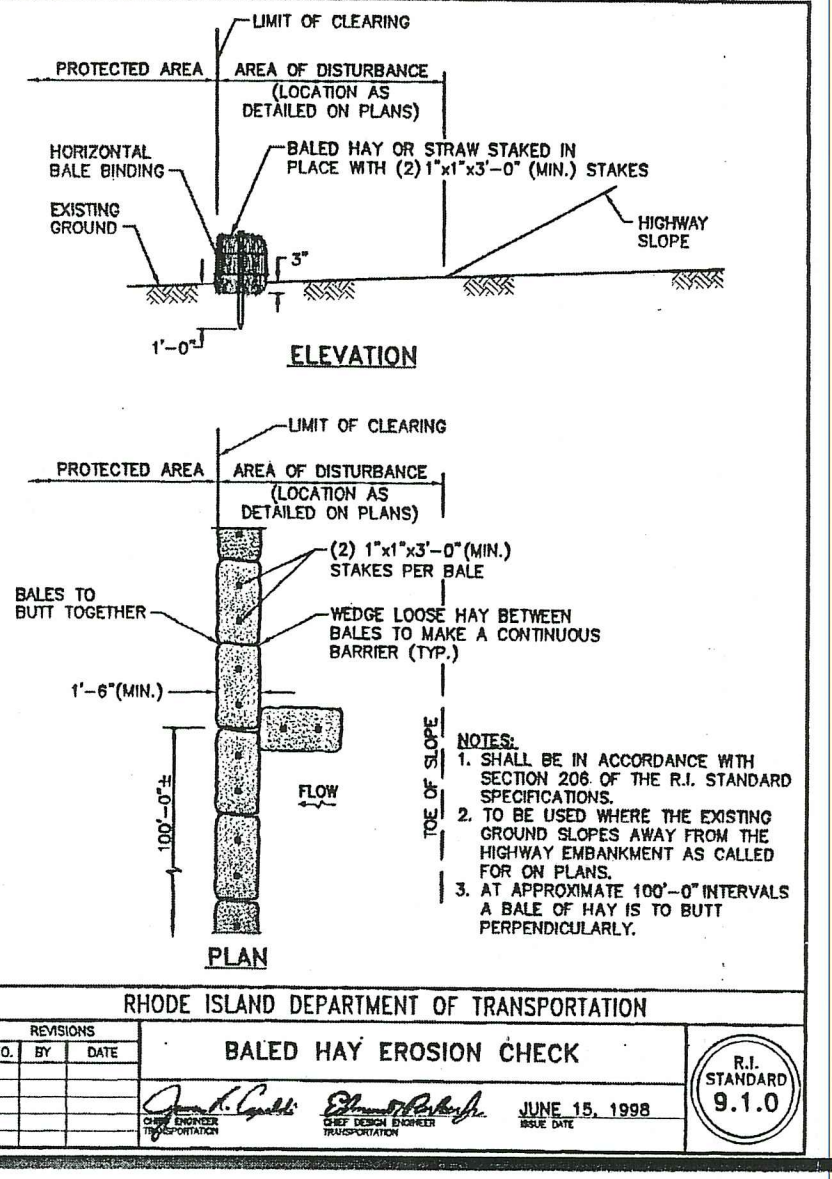
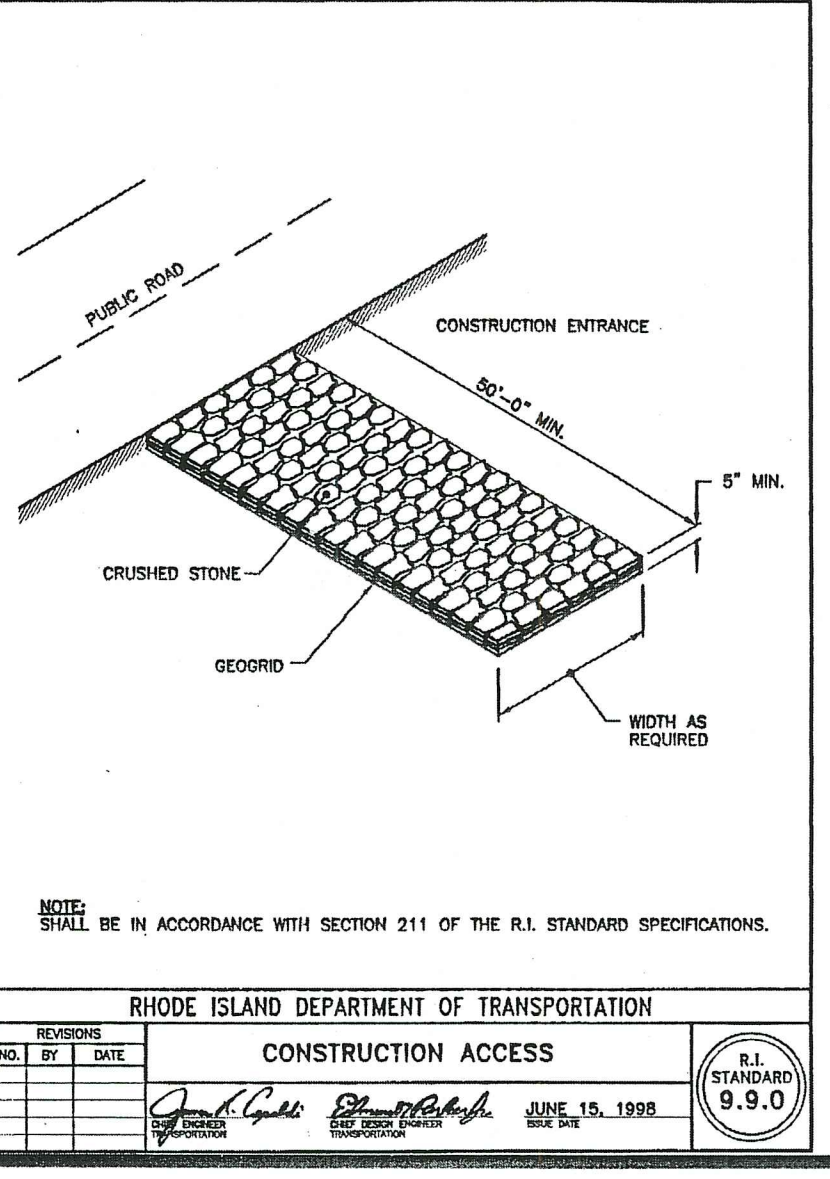


EROSION CONTROL & SOIL STABILIZATION PROGRAM

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- SPECIFICALLY, AS PER STORMWATER RULE 250-RICR-15-10-8.16DS, STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATION OR OTHER EARTH DISTURBANCE ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE, AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
STABILIZATION MUST BE COMPLETED USING VEGETATIVE STABILIZATION MEASURES OR USING ALTERNATIVE MEASURES WHENEVER VEGETATIVE MEASURES ARE DEEMED IMPRACTICABLE OR DURING PERIODS OF DROUGHT. ALL DISTURBED SOILS EXPOSED PRIOR TO OCT. 15TH SHALL BE SEED BY THAT DATE. ANY SUCH AREAS WHICH DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOV. 15TH MUST BE STABILIZED THROUGH THE USE OF NON-VEGETATIVE EROSION CONTROL MEASURES. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCT. 15TH THROUGH APRIL 15TH, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED. ALL ERODIBLE SOIL MUST BE RE-STABILIZED WITHIN 5 WORKING DAYS.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

B - SOD WATERWAYS, DRAINAGE DITCHES, DETENTION BASINS, ETC.		
CREeping RED FESCUE	20	.45
REED CANARYGRASS *	20	.45
* USE REED CANARY GRASS WHERE MOWING IS NOT REQUIRED. SUCH AS AMERICAN KENTUCKY BLUEGRASS. SOURCE: USDA, SOIL CONSERVATION SERVICE		
D - GENERAL PURPOSE LAWN		
RED FESCUE	75	1.75
KENTUCKY BLUEGRASS	15	.35
COLONIAL BENTGRASS	5	.11
PERENNIAL RYEGRASS	5	.11
SOURCE: U.R.I. AGRICULTURAL EXPERIMENT STATION BULLETIN 432 KINGSTON, R.I. (R.I. DEPT. OF TRANSPORTATION "PARK" SEED MIXTURE).		
E - GENERAL PURPOSE: MINIMUM MAINTENANCE; UNMOWED OR INFREQUENTLY MOWED		
RED FESCUE	75	1.75
COLONIAL BENTGRASS, "EXETER"	5	.11
PERENNIAL RYEGRASS	5	.11
BIRDFOOT TREFOIL, "EMPIRE"	15	.35
*USE INOCULATED SEED; MAY INCLUDE 20% HARD SEED. SOURCE: U.R.I. AGRICULTURAL EXPERIMENT STATION BULLETIN 432 KINGSTON, R.I. (R.I. DEPT. OF TRANSPORTATION "SLOPE" SEED MIXTURE).		
F - BUFFER ZONES ADJACENT TO WETLANDS OR SURFACE WATERS AND WETLAND AREAS		
REED CANARY GRASS	20	.45
LADINO CLOVER*		
*USE INOCULATED SEED.		
- SEEDING DATES:
EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED; MID-SUMMER SEEDING IS NOT RECOMMENDED. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED, HOWEVER LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. THE RECOMMENDED SEEDING DATES ARE: APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH SEPTEMBER 30. THE FINAL SEEDING DATES MAY BE EXTENDED 15 DAYS IN NEWPORT COUNTY.
- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3000-4000 LBS./AC.
- TREE PROTECTION SHALL BE RIDOT STD 511.0
- ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

SPECIES	LBS./ACRE	LBS./1,000 SQ. FT.	SEEDING DATES
ANNUAL RYEGRASS	60	1.5	MARCH 1 - JUNE 15 &
PERENNIAL RYEGRASS	60	1.5	MARCH 1 - JUNE 15 &
SUDAN GRASS	40	1.0	MAY 15 - AUGUST 15
MILLET	40	1.0	MAY 15 - AUGUST 15
WINTER RYE	100	2.5	AUGUST 15 - OCTOBER 1
- THE CONTRACTOR MUST REPAIR AND OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THRU OCTOBER 15TH.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS SECTION 202.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.



SEDIMENTATION CONTROL PROGRAM

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
- CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- ALL SEDIMENTS SHALL BE REMOVED FROM THE DETENTION BASINS OR STRUCTURES WHEN DIRECTED BY THE ENGINEER OR THE LOCAL CONSERVATION COMMISSION.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE R.I.D.E.M. AND THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE, REVISED 2016.
- THE PERSON IN REPOSIBLE CHARGE IS ASA DAVIS, TEL: 401-741-7862.

OPERATION & MAINTENANCE PLAN

- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
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- ALL SEDIMENTS SHALL BE REMOVED FROM ANY DETENTION BASINS OR STRUCTURES WHEN DIRECTED BY THE ENGINEER OR THE LOCAL CONSERVATION COMMISSION.
- REFERENCE THE "2014 RI SOIL EROSION & SEDIMENT CONTROL HANDBOOK"

ORDER OF PROCEDURE

- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY ROUGH GRADING, TEMPORARY HAYBALES OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
- ALL EROSION AND SEDIMENTATION STRUCTURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
- IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
- TEMPORARY HAYBALES AND SANDBAGS ALONG AND AT THE END OF ROADWAYS MAY BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
- HAYBALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.
- ONLY THOSE AREAS SHOWN ON THE ATTACHED SITE PLAN, THE LIMITS OF WHICH ARE DESIGNATED BY THE EXTENT OF THE EXISTING & PROPOSED CONTOURS, ARE SUBJECT TO THE EROSION CONTROL MEASURES SPECIFIED ABOVE.

SOIL EROSION & SEDIMENT CONTROL PLAN
FOR
"DUTEMPLE SOLAR FARM"
SITUATED IN THE TOWN OF
EXETER, RHODE ISLAND
PREPARED FOR
ASA DAVIS, III

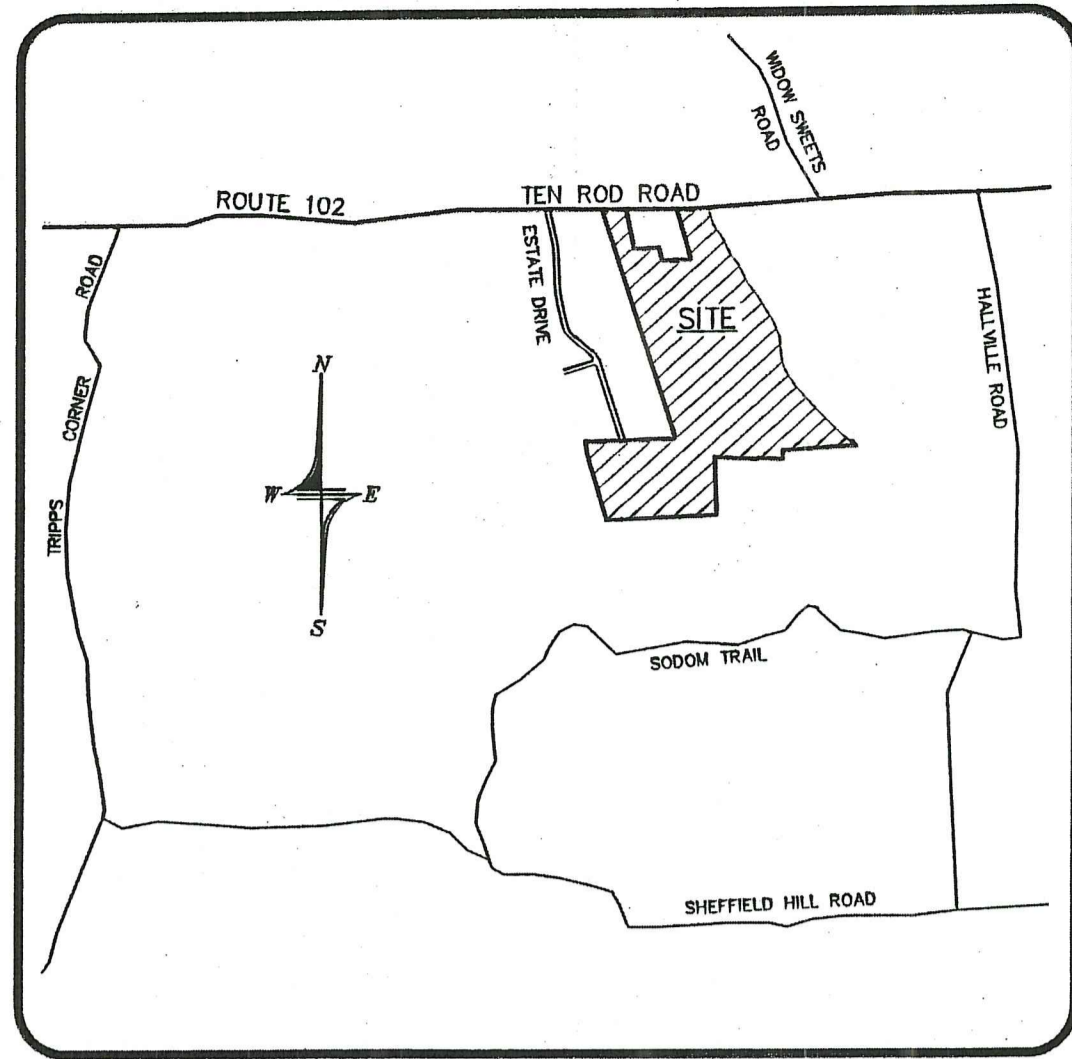
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 27 2023 FILE #:
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLAN MUST BE AT CONSTRUCTION SITE

NO.	REVISION	DATE
1.	RIDEM COMMENTS	06/07/22
2.	RIDEM COMMENTS	06/07/22
3.	RIDEM COMMENTS	07/14/22
4.	RIDEM COMMENTS	11/14/22

MARK L. DOWDELL
REGISTERED PROFESSIONAL ENGINEER
CIVIL

DOWDELL ENGINEERING
DOWDELL ENGINEERING ASSOCIATES, LLC
CIVIL & ENVIRONMENTAL ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1884 • 3949 OLD POST ROAD
CHARLESTOWN, RHODE ISLAND 02813
WEBSITE: dowedlleng.com EMAIL: mark@dowedlleng.com

JOB NO. 3230 DRAWN BY: R.L.C.
DWG. NO. 3230-PDEC CHECKED BY: W.D.D.
SCALE: AS NOTED APPROVED: M.L.D.
DATE: AUGUST 30, 2021
SHEET: 5 OF 6 SHEETS



LOCATION MAP
NOT TO SCALE

OWNER:

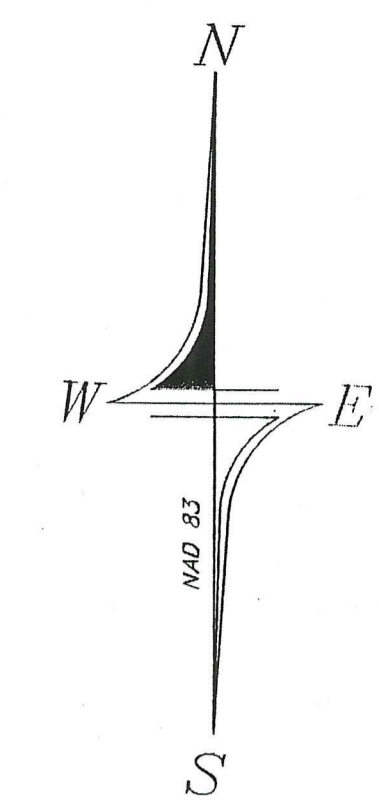
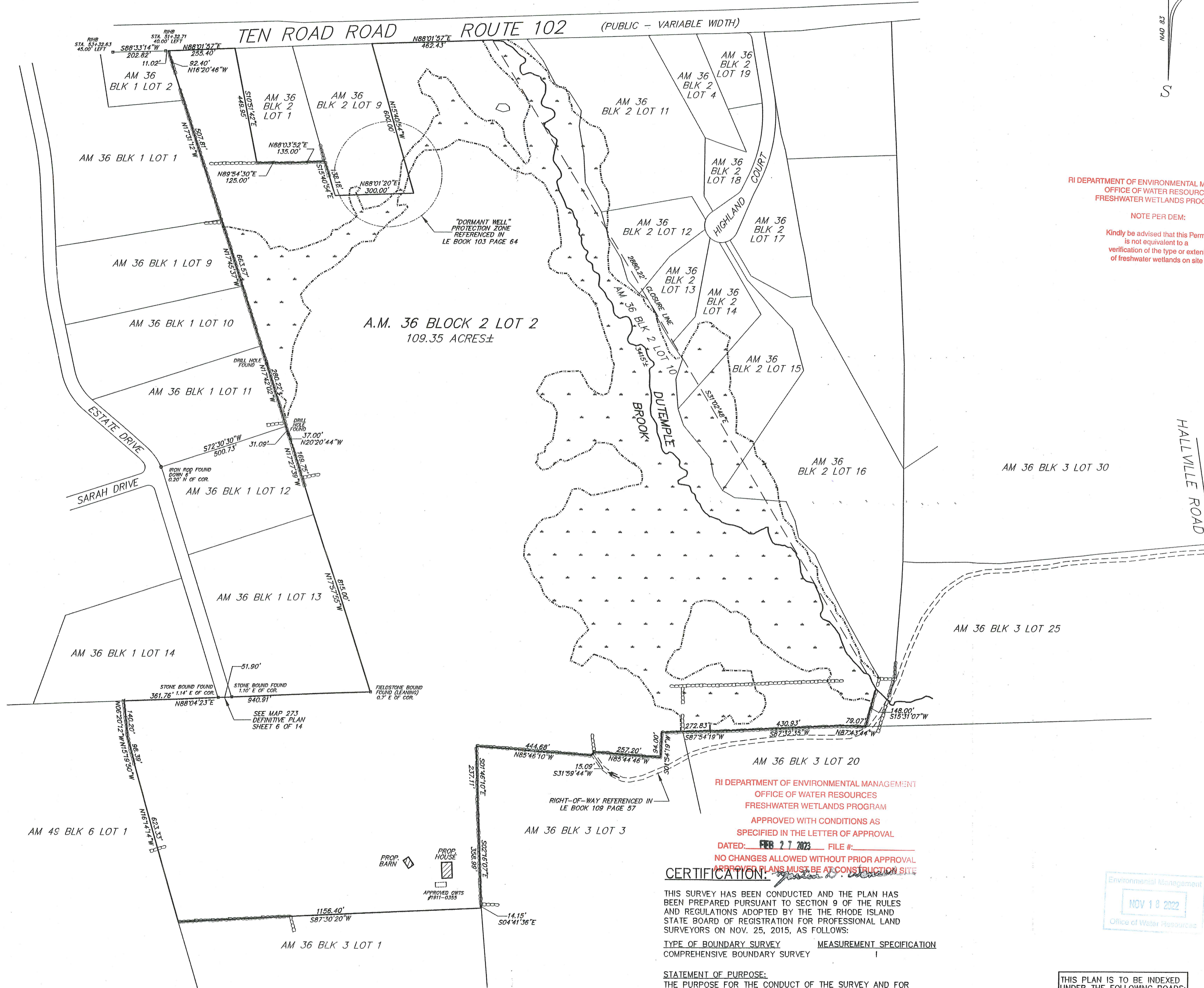
ASA DAVIS, III
146 BEECHWOOD HILL TRAIL
EXETER, RI 02822

ZONING DISTRICT - RU-4

LOT AREA = 4 ACRES
FRONTAGE = 300'
FRONT YARD = 100'
SIDE YARD = 80'
REAR YARD = 50'

REFERENCES:

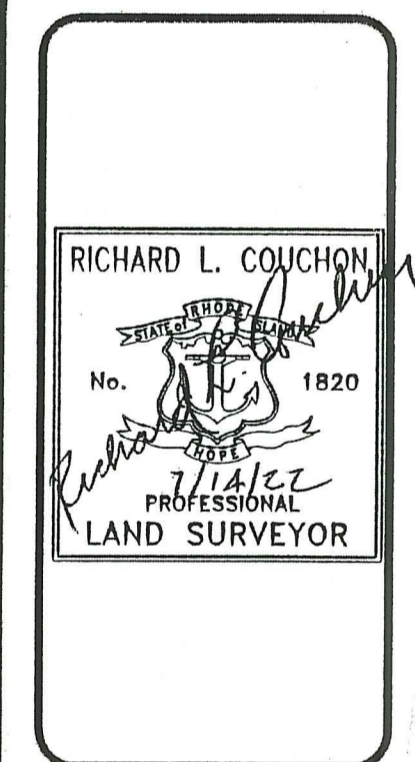
- "C. TRACY BARNES, SAUNDERSTOWN, RHODE ISLAND, MAP OF LAND LOCATED IN THE TOWN OF EXETER, WASHINGTON COUNTY, STATE OF RHODE ISLAND, VILLAGE GREEN ASSOCIATES, SCALE: 1"=100', REVISED OCT. 7, 1971." RECORDED AS PLAT # 16.
- "ALAN-BRIAN REALTY COMPANY, PROVIDENCE, RHODE ISLAND, MAP OF LAND LOCATED IN THE TOWN OF EXETER, WASHINGTON COUNTY, STATE OF RHODE ISLAND, REVISED JULY 9, 1974, RAYMOND W. SCHWAB." RECORDED AS PLAT # 24.
- "FINAL PLAN SUBMISSION, EXETER VILLAGE IN EXETER, RHODE ISLAND, FOR COVECO, INC., COMMONWEALTH ENGINEERS & CONSULTANTS, INC. FEBRUARY 27, 1995." RECORDED AS PLAT # 273.
- "DIVISION OF LAND PLAN, A.P. 36 BLOCK 2 LOT 10, TEN ROD ROAD, FOR PREPARED FOR EXETER RHODE ISLAND CONGREGATION OF JEHOVAH'S WITNESSES, SCALE: 1"=100', FEB. 14, 1997, PHILIP S. MANCINI, JR., PLS." RECORDED AS PLAT # 284.
- "CORRECTIVE ADMINISTRATIVE SUBDIVISION PREPARED FOR ASA DAVIS, III, ASSESSOR'S MAP 36 BLOCK 2 LOTS 2 & 3, SITUATED IN THE TOWN OF EXETER, RHODE ISLAND, SCALE: 1"=200', NOV. 3, 2014, DOWDELL ENGINEERING, INC."
- "CONSERVATION DEVELOPMENT SUBDIVISION FINAL PLAT DUTEMPLE MEADOWS PREPARED FOR ASA DAVIS III, ASSESSOR'S MAP 36 BLOCK 2 LOT 3 SITUATED IN THE TOWN OF EXETER, RHODE ISLAND, SCALE: 1"=200', JAN. 29, 2016, DOWDELL ENGINEERING, INC."
- RHODE ISLAND DEPARTMENT OF PUBLIC WORKS STATE HIGHWAY PLAT 154, SHEETS 4, 5 & 6.



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

NO.	REVISION	DATE
1.	RIDEM COMMENTS	06/07/22
2.	RIDEM COMMENTS	07/14/22



DOWDELL ENGINEERING
DOWDELL ENGINEERING ASSOCIATES, LLC
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CHARLESTOWN, RHODE ISLAND 02813
(401) 364-1027
WEBSITE: dowdelleng.com EMAIL: mark@dowdelleng.com

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: FEB 27 2023 FILE #:
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CERTIFICATION: Richard L. Couchon 7/14/22

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOV. 25, 2015, AS FOLLOWS:

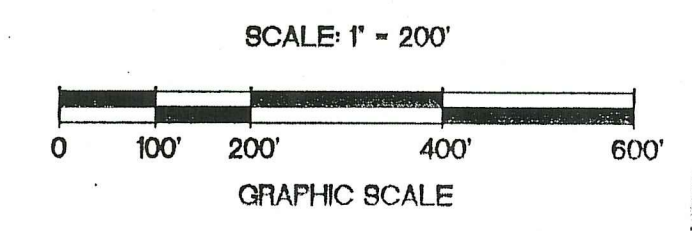
TYPE OF BOUNDARY SURVEY: MEASUREMENT SPECIFICATION
COMPREHENSIVE BOUNDARY SURVEY

STATEMENT OF PURPOSE:
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
TO REPORT THE POSITION OF THE BOUNDARIES OF ASSESSOR'S PLAT 36 BLOCK 2 LOT 2.

By: Richard L. Couchon 7/14/22
RICHARD L. COUCHON, RIPLS #1820
CERTIFICATE OF AUTHORIZATION #A763



THIS PLAN IS TO BE INDEXED UNDER THE FOLLOWING ROADS:
1. TEN ROD ROAD



JOB NO. 3230	DRAWN BY: R.L.C.
DWG. NO. 3230-SVY3	CHECKED: M.L.D.
SCALE: 1"=200'	APPROVED: W.D.D.
SHEET: 6	DATE: NOV. 1, 2021