PROPOSED GROUND MOUNTED PHOTOVOLTAIC SOLAR ARRAY & UNDERGROUND UTILITY INTERCONNECTION

ON JOHN VERTENTE BOULEVARD & BRALEY ROAD IN NEW BEDFORD, MA

APPLICANT:

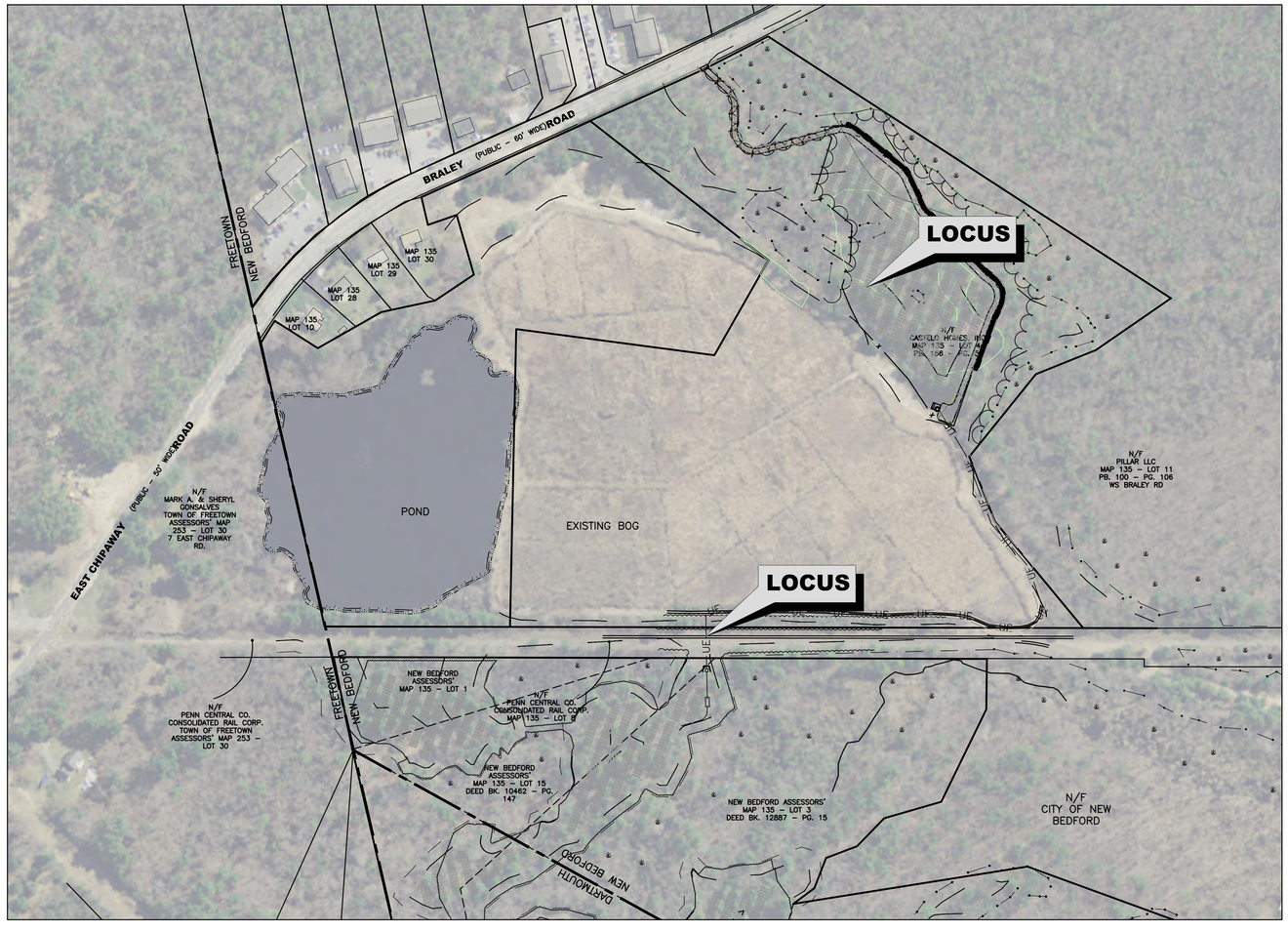
NBD SOLAR, LLC
80 FRONT STREET
MARION, MA 02738

OWNERS:

NEW BEDFORD ASSESSORS MAP 135

LOTS 3 & 16
NBD SOLAR, LLC
80 FRONT STREET
MARION, MA 02738

LOT 46
CASTELO HOMES INC
1815 ACUSHNET AVENUE
NEW BEDFORD, MA 02745



LOCUS
SCALE: 1"=150'

SCHEDULE OF DRAWINGS

ISSUED: MAY 29, 2020

REVISED: JULY 10, 2020

PREPARED BY:

PRIME ENGINEERING INC
CIVIL ENGINEERING–LAND SURVEYING–ENVIRONMENTAL ASSESSMENT
P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347
TEL: 508.947.0050 FAX: 508.947.2004

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APPROXIMATE LOCATION OF EXISTING CART PATH
POTENTIAL VERNAL POOL
BRALEY (PUBLIC - 60' WIDE) ROAD
S 44°18'24" E 396.18'
S 44°23'33" E 271.02'
S 47°10'32" E 152.46'
S 13°01'46" W 1032.24'
100' BVW BUFFER
25' BVW BUFFER
100' WS BRALEY ROAD
WETLAND UPLAND
LOT AREA 436,702 SQ.FT. 10.025 AC. ±
N/F CASTELO HOMES, INC. MAP 135 - LOT 46 PB. 156 - PG. 52
MAP 135 LOT 30
MAP 135 LOT 29
MAP 135 LOT 28
MAP 135 LOT 10
N 39°09'37" W 65.32'
N 53°50'23" E 133.32'
S 53°54'37" E 99.86'
S 32°09'37" E 118.80'
S 49°39'37" E 156.75'
12°20'23" W 109.54'
S 18°01'46" W 486.30'
N 80°21'18" W 234.57'
N 12°29'36" W 429.24'
NON-JURISDICTIONAL LAND SUBJECT TO FLOODING (NO BUFFER)
NON-JURISDICTIONAL DEPRESSIONS
N 54°37'14" W 195.80'
N 41°54'44" W 139.02'
N 71°05'08" W 227.59'
S 48°02'08" W 163.33'
S 30°20'08" W 297.00'
N/F PILLAR LLC MAP 135 - LOT 11 PB. 100 - PG. 106 WS BRALEY RD
CHIPAWAY (PUBLIC - 50' WIDE) ROAD
N/F MARK A. & SHERYL GONSALVES TOWN OF FREETOWN ASSESSORS' MAP 253 - LOT 30 7 EAST CHIPAWAY RD.
FREETOWN NEW BEDFORD
N 57°19'08" E 624.28'
POND
EXISTING BOG
639.63'
BOG
BOG DITCH
5' WIDE PATH AROUND BOG
APPROXIMATELY 8' WIDE DITCH
397.95'
1231.48'
N 19°54'52" W 1629.43'
RAIL ROAD PROPERTY LINE
RAILROAD TRACKS
N/F PENN CENTRAL CO. CONSOLIDATED RAIL CORP. TOWN OF FREETOWN ASSESSORS' MAP 253 - LOT 30
NEW BEDFORD ASSESSORS' MAP 135 - LOT 1
N/F PENN CENTRAL CO. CONSOLIDATED RAIL CORP. MAP 135 - LOT 8
NEW BEDFORD ASSESSORS' MAP 135 - LOT 15 DEED BK. 10462 - PG. 147
NEW BEDFORD ASSESSORS' MAP 135 - LOT 3 DEED BK. 12887 - PG. 15
EXISTING STREAM
FLOW
N/F CITY OF NEW BEDFORD
MA MAINLAND NAD83
0 100' 200'
SCALE: 1" = 100'

NOTES:

1. VERTICAL DATUM IS NAVD88.
2. GENERAL TOPOGRAPHY OBTAINED FROM USGS LIDAR 2011. THE TOPOGRAPHY ADJACENT TO THE RAILROAD BY PRIME SURVEY CREW.
3. THE BOG IS CONSIDERED A WETLAND RESOURCE AREA. THE EDGE OF THE BOG IS TO BE CONSIDERED THE TOP OF THE SLOPE OF THE OUTER DITCH, SHOWN AS A HEAVY LINE.
4. EXISTING SITE FEATURES SUCH AS EXISTING TREELINE WERE SCALED FROM MASSGIS AERIAL PHOTOGRAPHY.

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: EXISTING CONDITIONS PLAN

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD. NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

· CIVIL ENGINEERING
· LAND SURVEYING
· ENVIRONMENTAL ASSESSMENT

PRIME ENGINEERING INC.

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LAKEVILLE, MA 02347
TEL: 508.947.0050
FAX: 508.947.2004

SCALE:	1"=100'
DATE:	5/29/2020
DRAWN BY:	JAG
DESIGNED BY:	RJR
CHECKED BY:	RJR
APPROVED BY:	RJR
SHEET NO.	1
PROJECT NO.	1506-0101

COMMONWEALTH OF MASSACHUSETTS RICHARD J. RHEAUME No. 28373 REGISTERED PROFESSIONAL ENGINEER

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BRALEY (PUBLIC – 60' WIDE) ROAD

FREETOWN
NEW BEDFORD

EAST CHIPAWAY (PUBLIC – 50' WIDE) ROAD

FREETOWN
NEW BEDFORD

PROPOSED CONSTRUCTION ENTRANCE

PROPOSED GATE

PROPOSED 16' WIDE DRAVEL ACCESS DRIVE

PROPOSED 7' HEIGHT CHAIN LINK FENCE

SWALE WITH IMPERVIOUS CORE CHECK DAMS (SEE DETAIL SHEET)

PROPOSED SOLAR ARRAY

WETLAND UPLAND

100' BVW BUFFER

25' BVW BUFFER

POND

EXISTING BOG

PROPOSED HORIZONTALLY DRILLED CROSSING 12" DIAMETER CONDUIT TO BE SLEEVE WITH PERPENDICULAR ELECTRIC CABLES PULLED INSIDE AT 12-FOOT DEPTH SEE SHEET 3 (R.O.W.)

PROPOSED DIRECTIONAL DRILLING LOCATION. SEE NOTES #1-#4 BELOW FOR MORE INFORMATION ON STATIONING POINTS AND PROPOSED WORK.

6' W x 6'L DRILLING FLUID PIT

DRILLING RIG LOCATION

NEW BEDFORD ASSESSORS' MAP 135 – LOT 1

NEW BEDFORD ASSESSORS' MAP 135 – LOT 15 DEED BK. 10462 – PG. 147

UPLAND WETLAND

MA MAINLAND NAD83

0 80' 160'

SCALE: 1" = 80'

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: OVERALL SITE PLAN

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

SCALE: 1"=80'
DATE: 5/29/2020
DRAWN BY: JAG
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO. 2
PROJECT NO. 1506-0101

RICHARD J. RHEAUME No. 28373 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

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- ENVIRONMENTAL ASSESSMENT

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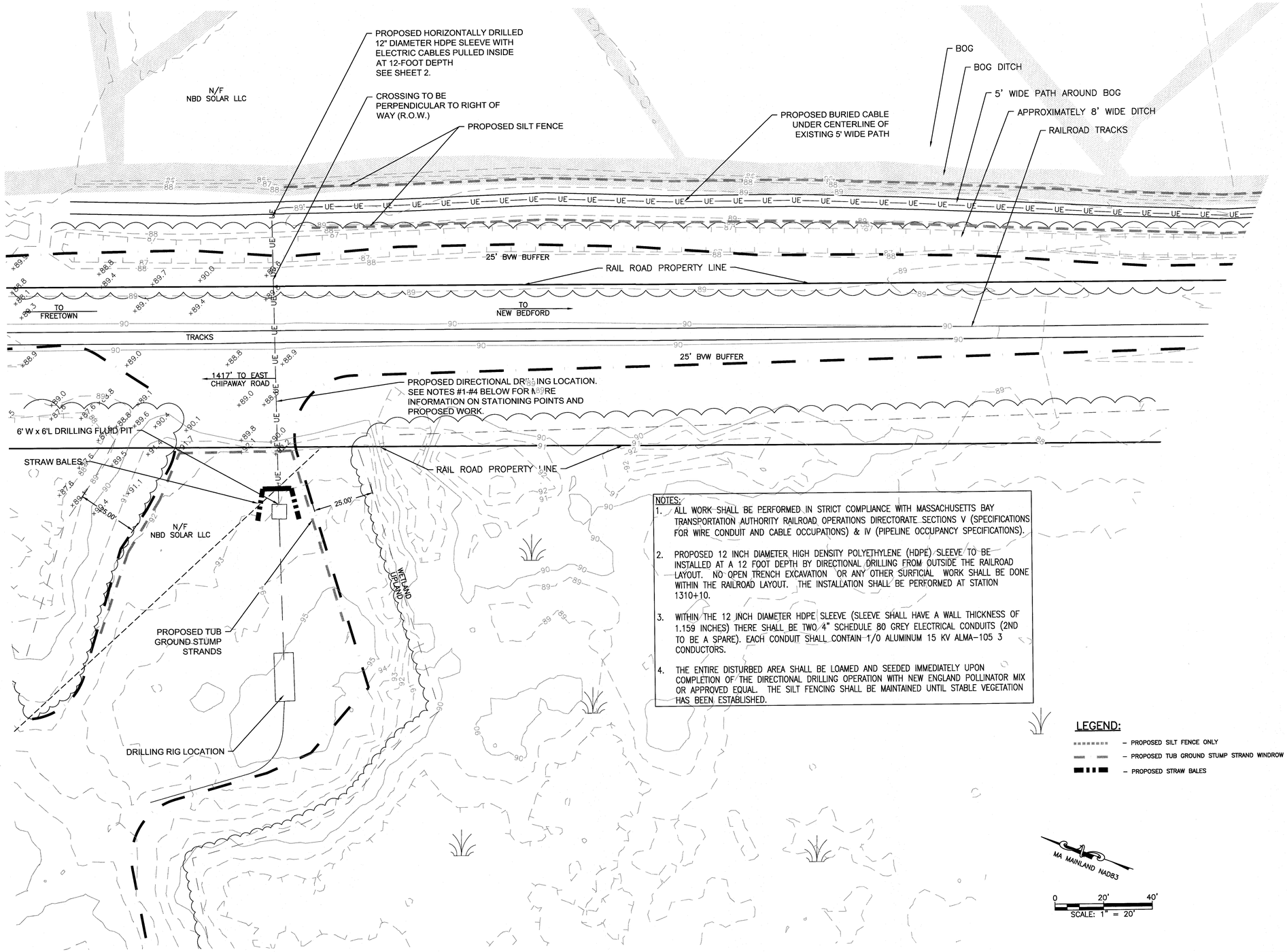


NOTES:

1. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH MASSACHUSETTS BAY TRANSPORTATION AUTHORITY RAILROAD OPERATIONS DIRECTORATE SECTIONS V (SPECIFICATIONS FOR WIRE CONDUIT AND CABLE OCCUPATIONS) & IV (PIPELINE OCCUPANCY SPECIFICATIONS).
2. PROPOSED 12 INCH DIAMETER HIGH DENSITY POLYETHYLENE (HDPE) SLEEVE TO BE INSTALLED AT A 12 FOOT DEPTH BY DIRECTIONAL DRILLING FROM OUTSIDE THE RAILROAD LAYOUT. NO OPEN TRENCH EXCAVATION OR ANY OTHER SURFICIAL WORK SHALL BE DONE WITHIN THE RAILROAD LAYOUT. THE INSTALLATION SHALL BE PERFORMED AT STATION 1310+10.
3. WITHIN THE 12 INCH DIAMETER HDPE SLEEVE (SLEEVE SHALL HAVE A WALL THICKNESS OF 1.159 INCHES) THERE SHALL BE TWO 4" SCHEDULE 80 GREY ELECTRICAL CONDUITS (2ND TO BE A SPARE). EACH CONDUIT SHALL CONTAIN 1/0 ALUMINUM 15 KV ALMA-105 3 CONDUCTORS.
4. THE ENTIRE DISTURBED AREA SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON COMPLETION OF THE DIRECTIONAL DRILLING OPERATION WITH NEW ENGLAND POLLINATOR MIX OR APPROVED EQUAL. THE SILT FENCING SHALL BE MAINTAINED UNTIL STABLE VEGETATION HAS BEEN ESTABLISHED.

LEGEND:

- PROPOSED SILT FENCE ONLY
- PROPOSED TUB GROUND STUMP STRAND WINDROW
- PROPOSED STRAW BALES

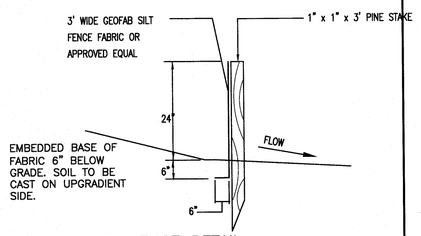
MA MAINLAND NAD83

0 20' 40'

SCALE: 1" = 20'

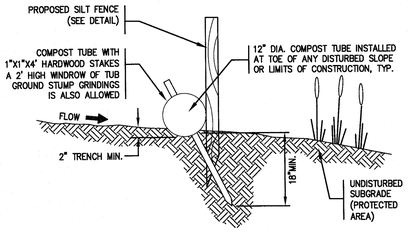
DETAIL OF DIRECTIONAL DRILLING

SCALE: 1"=20'



SILT FENCE DETAIL

TO BE PLACED IN RELATIVELY LEVEL AREAS.

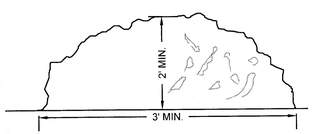


NOTES:

1. PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF STRAW WATTLE.
2. INSTALL STRAW WATTLES PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE WITH THE BEGINNING AND END OF THE INSTALLATION POINTING SLIGHTLY UP THE SLOPE CREATING A "J" SHAPE AT EACH END TO PREVENT BYPASS. EXCAVATE A 4" DEEP X 9" WIDE TRENCH, EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
3. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT OR OVERLAP.
4. SECURE WATTLES WITH 1"x1"x24" STAKES EVERY 3'-4' AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2"-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.
5. STRAW WATTLE TO BE 12" DIA. MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL.
6. EROSION CONTROL MEASURES SHALL FOLLOW THE PERFORMANCE STANDARDS OF THE USDA SOIL CONSERVATION SERVICE, AND ANY APPLICABLE STATE/LOCAL CONSERVATION AUTHORITY.

EROSION CONTROL BARRIER

NOT TO SCALE



TUB GROUND STUMP STRAND WINDROW

NOT TO SCALE

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: DETAILED DRILLING PLAN

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

SCALE: AS SHOWN
DATE: 5/29/2020
DRAWN BY: JAG
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO. 3
PROJECT NO. 1506-0101

• CIVIL ENGINEERING
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• ENVIRONMENTAL ASSESSMENT

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RICHARD J. RHEAUME No. 26373 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

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PROPOSED CONSTRUCTION ENTRANCE

PROPOSED GATE

PROPOSED 16' WIDE DRAVEL ACCESS DRIVE

PROPOSED 7' HEIGHT CHAIN LINK FENCE

PROPOSED SILT FENCE, TYP.

WETLAND UPLAND

100' BVW

BUFFER

PROPOSED TREELINE, TYP.

SWALE WITH IMPERVIOUS CORE CHECK DAMS (SEE DETAIL SHEET)

25' BVW

SOUTH SIDE BUFFER ENHANCEMENT (SEE SHEET 6)

PROPOSED SOLAR ARAY

25.0' MIN.

THERE SHALL BE NO DISTURBANCE WITHIN 25' OF FLAGGED NON-JURISDICTIONAL LAND SUBJECT TO FLOODING

PROPOSED SILT FENCE, TYP.

LEGEND:

------ PROPOSED SILT FENCE ONLY

MA MAINLAND NAD83

0 40' 80'

SCALE: 1" = 40'

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: SOLAR ARRAY

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

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• LAND SURVEYING
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TEL: 508.947.0050
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SCALE: 1"=40'
DATE: 5/29/2020
DRAWN BY: JAG
DESIGNED BY: RJR
CHECKED BY: RJR
APPROVED BY: RJR
SHEET NO: 4
PROJECT NO. 1506-0101

RICHARD J. RHEAUME No. 28373 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

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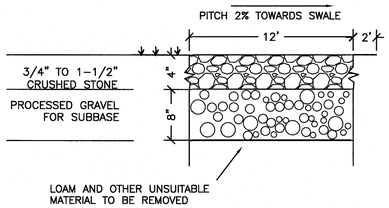


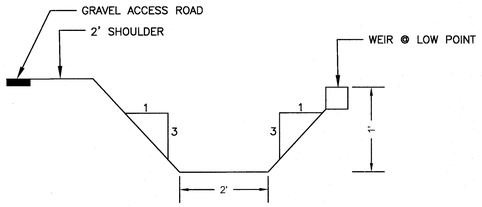
CRUSHED STONE ACCESS ROAD SURFACE

NOT TO SCALE

ACCESS ROAD NOTES & GRAVEL PATH NOTES:
THE ACCESS ROAD TO THE SOLAR ARRAY AND THE GRAVEL PATH IS TO BE MAINTAINED TO ALLOW FOR CONVENIENT AND SAFE PASSAGE FOR BOTH MAINTENANCE PERSONNEL AND EMERGENCY VEHICLES. AT A MINIMUM, THIS SHALL INCLUDE:

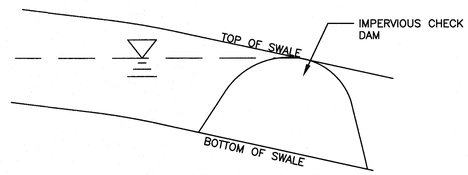
- MAINTENANCE OF SURFACE TO PREVENT RUTTING OR POT HOLES
- KEEPING SHOULDERS WITHIN 3' OF ROAD EDGE CLEAR OF BRUSH OR DEBRIS
- THE CLEARING OF SNOW FROM THE ENTIRE ACCESS ROAD.

MOST OF THE SITE HAS NATURAL GRAVEL AND THERE IS NO NEED FOR IMPORTING CRUSHED STONE AND GRAVEL THE INTENT OF THIS DETAIL IS TO SPECIFY A ROAD DEPTH WHICH WILL PROVIDE A NON-RUTTING EARTHEN SURFACE. IN AREAS WHERE THE CONSTRUCTED ROAD DOES NOT PROVIDE SUCH A SURFACE, ADDITIONAL MEASURES SHALL BE TAKEN TO PROVIDE A MORE DURABLE SURFACE IN THOSE AREAS.



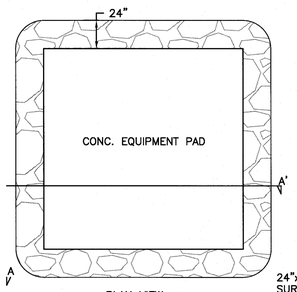
SWALE WITH IMPERVIOUS CORE CHECK DAM CROSS SECTION

NTS

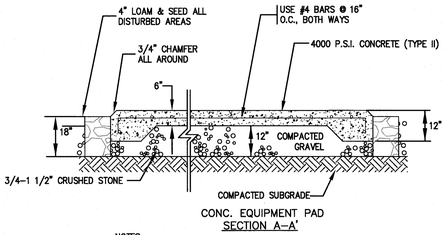


SWALE WITH IMPERVIOUS CORE CHECK DAM LONG CROSS SECTION

NTS



PLAN VIEW



CONC. EQUIPMENT PAD
SECTION A-A'

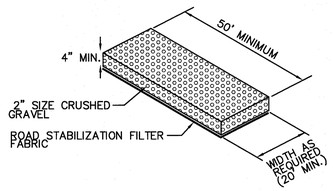
24"x18" TRENCH SURROUNDING CONC. PAD. USE 3/4" TO 1-1/2" CRUSHED STONE

NOTES:

1. WIDTH AND LENGTH OF THE PAD TO BE AS INDICATED ON THE LAYOUT PLAN.
2. CONSTRUCTION JOINTS TO BE SET AT INTERVALS OF 1/4 OF LENGTH.
3. STRENGTH OF THE CEMENT CONCRETE SHALL BE 4000 P.S.I. @ 28 DAYS.
4. SEE GRADING & DRAINAGE PLAN FOR ELEVATIONS

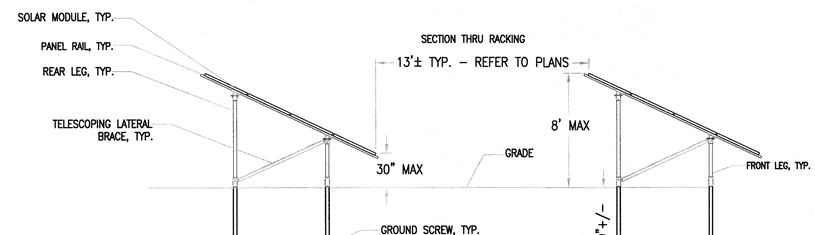
CONCRETE PAD DETAIL

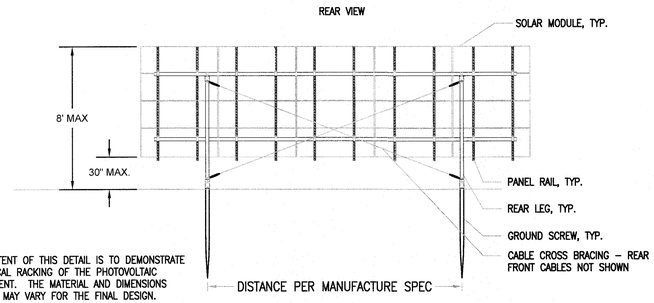
NOT TO SCALE



CONSTRUCTION ENTRANCE

NOT TO SCALE

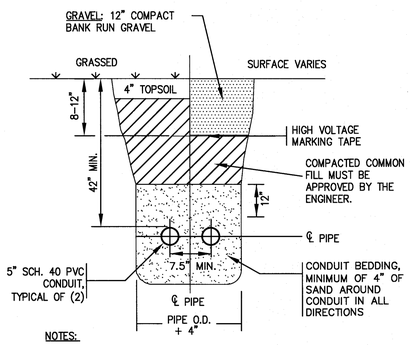




NOTE:
THE INTENT OF THIS DETAIL IS TO DEMONSTRATE A TYPICAL RACKING OF THE PHOTOVOLTAIC EQUIPMENT. THE MATERIAL AND DIMENSIONS SHOWN MAY VARY FOR THE FINAL DESIGN.

TYPICAL RACK ASSEMBLY

NOT TO SCALE

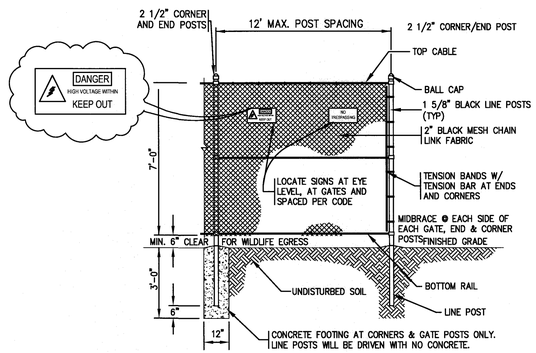


NOTES:

1. PIPE BEDDING SHALL BE COMPACTED BEFORE PIPE INSTALLATION.
2. COMPACTION AROUND PIPE SHALL BE BY TAMPER AT 6" MAX. LIFTS.
3. MIN. COVER OVER PIPE = 3'-5"

TYPICAL MEDIUM VOLTAGE TRENCH

NOT TO SCALE



SECURITY FENCE

NOT TO SCALE

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: SOLAR ARRAY DETAILS
PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS
CLIENT: NBD SOLAR, LLC

SCALE: 1"=50'
DATE: 5/29/2020
DRAWN BY: JAG
DESIGNED BY: RJR
CHECKED BY: RJR
SHEET NO. 5
APPROVED BY: RJR
PROJECT NO. 1506-0101

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COMMONWEALTH OF MASSACHUSETTS — RICHARD J. RHEAUME No. 28373 — REGISTERED PROFESSIONAL ENGINEER

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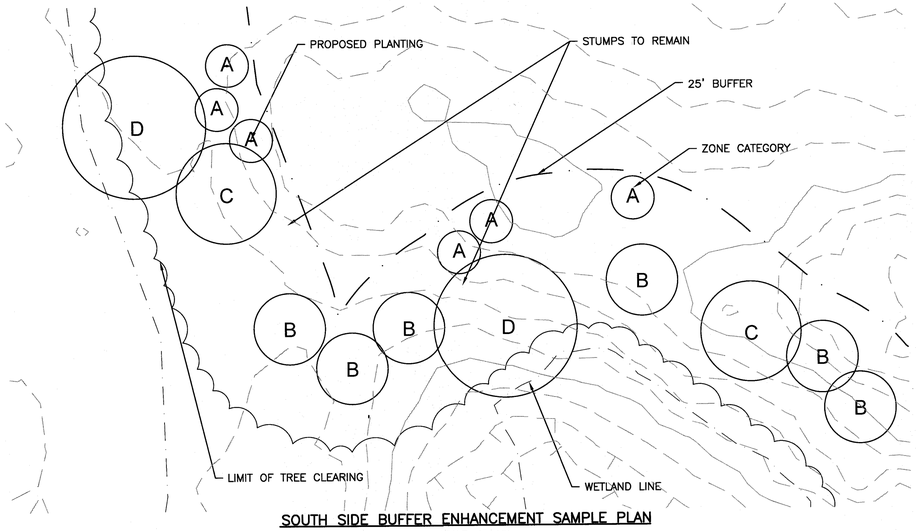
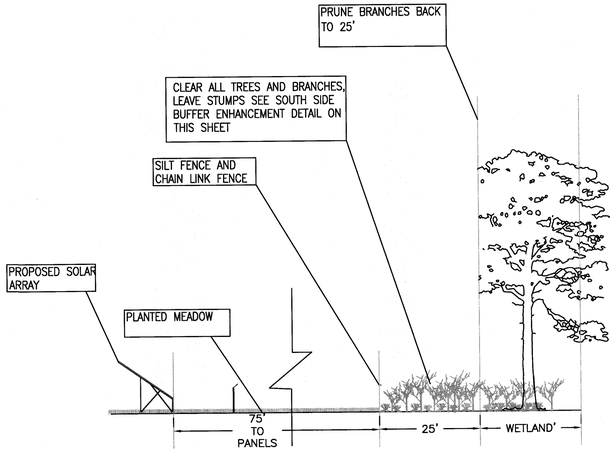


SOUTH SIDE BUFFER ENHANCEMENT SAMPLE PLAN

SCALE: 1"=10'

NOTE: EACH SOUTH SIDE SYMBOL ON THE PLAN TO THE LEFT REPRESENTS (6) ZONE A PLANTS, (6) ZONE B PLANTS, (2) ZONE C PLANT AND (2) ZONE D PLANT.

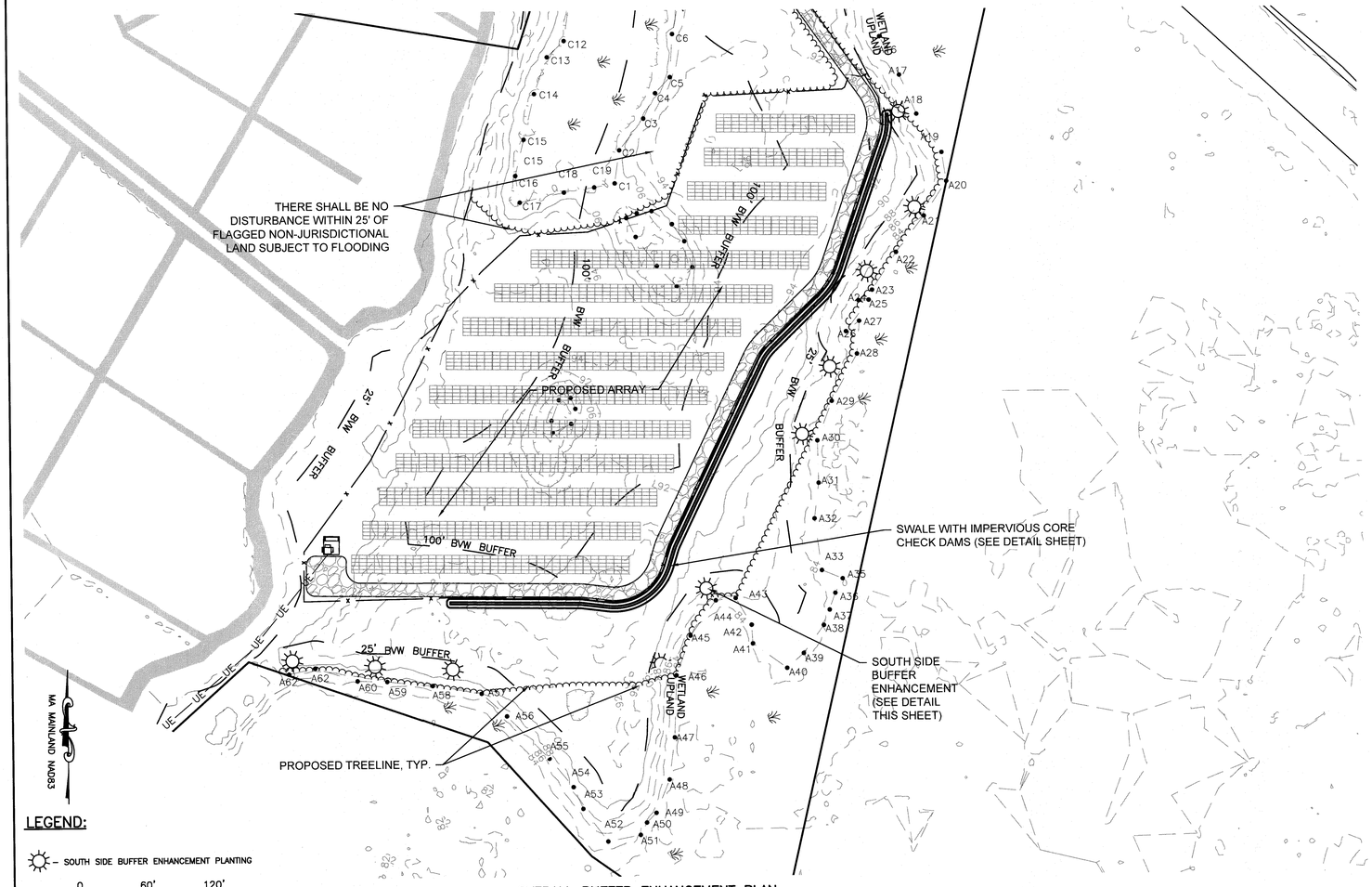


SOUTH SIDE TREE CLEARING DETAIL

NOT TO SCALE

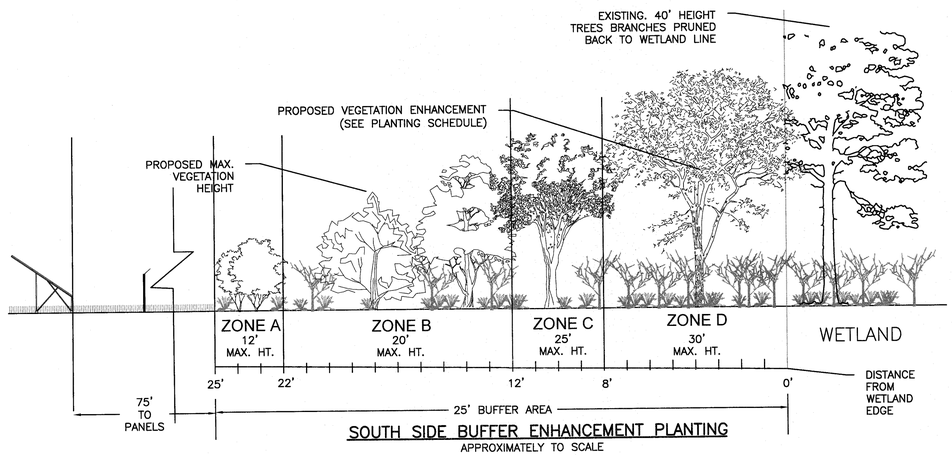
ENHANCEMENT PLANTING SCHEDULE

SPECIES	MATURE HEIGHT	WETLAND STATUS	MICROCLIMATE	ENHANCEMENT PROPERTIES	QUANTITY
ZONE A (MAX. HEIGHT 12')					
AMERICAN HAZELNUT	3'–9'	FACU	SHADED AREAS/DRIER SITES	WILDLIFE FOOD SOURCE	10
SWEET FERN	3'–5'	UPL	DRIER SITES	FIXES NITROGEN/WILL SPREAD BY ROOT SUCKERS	10
BEARBERRY	2'	UPL	DRIER SITES	BERRIES FOR WILDLIFE	10
BAYBERRY	6'–10'	FAC	DRIER SITES	BERRIES PROVIDE FOOD IN WINTER TO MANY SONGBIRDS/FIXES NITROGEN	10
BEACH PLUM	10'–12'	UPL	DRIER SITES	FRUIT FOR WILDLIFE	10
LOWBUSH BLUEBERRY	1'–2'	FACU	DRIER SITES	FRUIT FOR WILDLIFE	10
ZONE B (MAX. HEIGHT 20')					
SHADBLOW SERVICEBERRY	14'–18'	FAC	ADAPTABLE	BERRIES FOR BIRDS	10
SWEET PEPPERBUSH	10'–14'	FAC+	ADAPTABLE	FOOD AND COVER FOR BIRDS	10
GREY DOGWOOD	12'–15'	FAC	DRIER SITES	BERRIES FOR WILDLIFE/NESTING AND COVER FOR BIRDS	10
WITCH HAZEL	15'–20'	FAC–	SHADED AREAS/DRIER SITES	SEEDS, BUDS AND TWIGS FOOD FOR WILDLIFE	10
STAGHORN SUMAC	12'–20'	UPL	DRIER SITES	FRUIT FOR BIRDS	10
NANNYBERRY	16–20'	FAC	DRIER SITES	FRUIT FOR BIRDS	10
ZONE C (MAX. HEIGHT 25')					
ALTERNATE LEAVED DOGWOOD	20'–25'	UPL	DRIER SITES	SUMMER BERRIES FOR WILDLIFE	20
ZONE D (MAX. HEIGHT 30')					
AMERICAN HORNBEAM	25'–30'	FACU	SHADED AREAS	SHADE/COVER	5
EASTERN RED CEDAR	30'–50'	FACU	DRIER SITES	PROTECTIVE NESTING COVER AND FOOD FOR BIRDS	5
BLACK CHERRY	20'–40'	FACU	DRIER SITES	BERRIES FOR VAST ARRAY OF ANIMALS	5
MOUNTAIN ASH	10'–30'	FACU	ADAPTABLE	SHADE/COVER	5



OVERALL BUFFER ENHANCEMENT PLAN

SCALE: 1"=60'



SOUTH SIDE BUFFER ENHANCEMENT PLANTING

APPROXIMATELY TO SCALE

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: BUFFER ENHANCEMENT PLANTING

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT

PRIME ENGINEERING INC

P.O. BOX 1088
350 BEDFORD ST.
LAKEVILLE, MA 02347
TEL: 508.947.0050
FAX: 508.947.2004

SCALE:	AS SHOWN
DATE:	5/29/2020
DRAWN BY:	JAG
DESIGNED BY:	RJR
CHECKED BY:	RJR
APPROVED BY:	RJR
SHEET NO.	6
PROJECT NO.	1506–0101

COMMONWEALTH OF MASSACHUSETTS
RICHARD J. RHEAUME No. 28373 REGISTERED PROFESSIONAL ENGINEER

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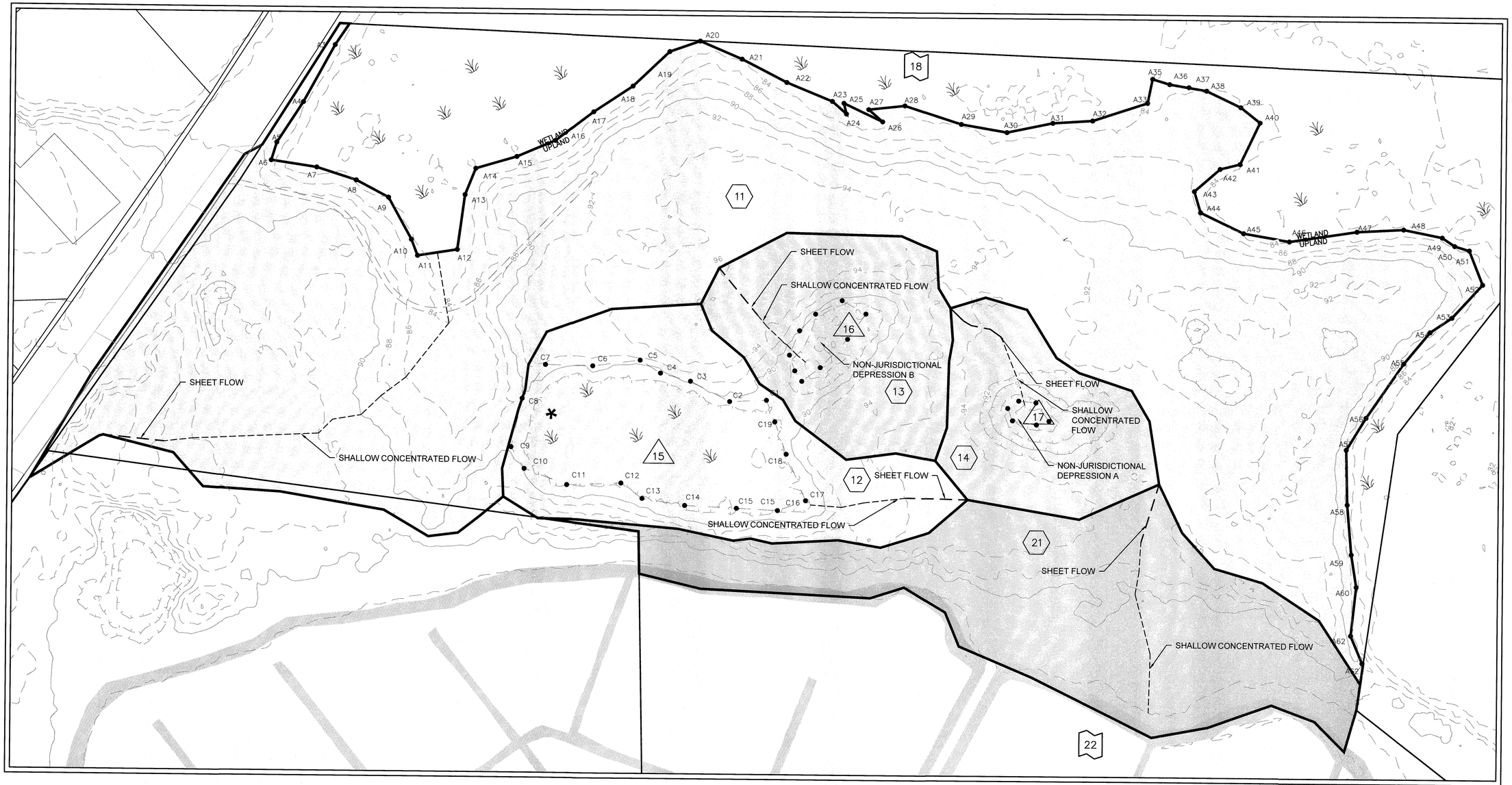

MA MAINLAND NAD83

0 40' 80'

SCALE: 1" = 40'

LEGEND:

TC LINE — SHEET FLOW / SHALLOW CONCENTRATED FLOW

SUBCATCHMENT AREA

SUBCATCHMENT 102

DESIGN POINT 110

DRAINAGE POND/ INFILTRATION SWALE 106

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: PRE–DEVELOPMENT WATERSHED MAP

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT

PRIME ENGINEERING INC

P.O. BOX 1088
350 BEDFORD ST.
LAKEVILLE, MA 02347
TEL: 508.947.0050
FAX: 508.947.2004

SCALE:	1"=40'
DATE:	5/29/2020
DRAWN BY:	JAG
DESIGNED BY:	RJR
CHECKED BY:	RJR
APPROVED BY:	RJR
SHEET NO.	7
PROJECT NO.	1506–0101

COMMONWEALTH OF MASSACHUSETTS — RICHARD J. RHEAUME No. 28373 — REGISTERED PROFESSIONAL ENGINEER

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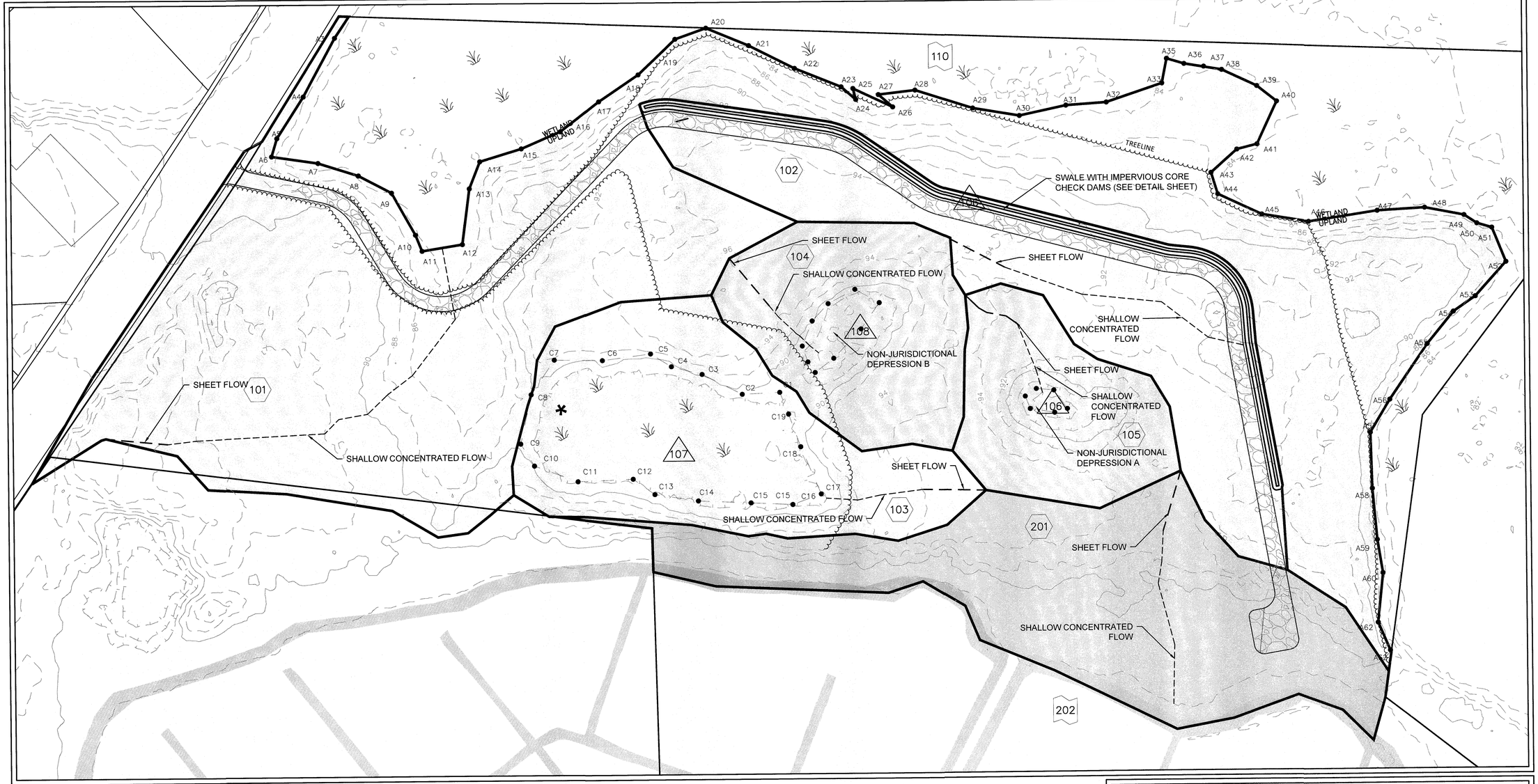

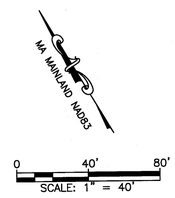

0 40' 80'

SCALE: 1" = 40'

LEGEND:

TC LINE — SHEET FLOW — SHALLOW CONCENTRATED FLOW — SUBCATCHMENT AREA

SUBCATCHMENT 102 — DESIGN POINT 110

DRAINAGE POND/ INFILTRATION SWALE 106

REV.	DATE	DESCRIPTION	BY	APP.
2	2020/7/10	GENERAL REVISIONS	AJR	RJR
1	2020/6/8	GENERAL REVISIONS	JAG	RJR

DRAWING TITLE: POST–DEVELOPMENT WATERSHED MAP

PROJECT: BRALEY RD. & JOHN VERTENTE BLVD.
NEW BEDFORD, MASSACHUSETTS

CLIENT: NBD SOLAR, LLC

• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT

PRIME ENGINEERING INC

P.O. BOX 1088
350 BEDFORD ST.
LAKEVILLE, MA 02347
TEL: 508.947.0050
FAX: 508.947.2004

SCALE:	1"=40'
DATE:	5/29/2020
DRAWN BY:	JAG
DESIGNED BY:	RJR
CHECKED BY:	RJR
APPROVED BY:	RJR
SHEET NO.	8
PROJECT NO.	1506–0101

COMMONWEALTH OF MASSACHUSETTS — RICHARD J. RHEAUME, No. 28373, REGISTERED PROFESSIONAL ENGINEER

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