

SITE USE PLANS

150 TIHONET ROAD, WAREHAM, MA 02571

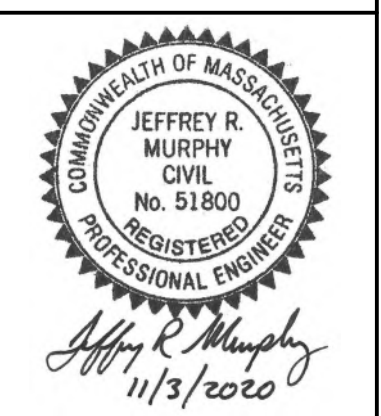
SOLAR PHOTOVOLTAIC AND ENERGY STORAGE ELECTRIC SYSTEM

GENERAL NOTES	PROJECT SCOPE	LOCATION MAP	DRAWING LIST																																																																											
<ol style="list-style-type: none"> AS CONTAINED HEREIN, "CONTRACTOR" IS ASSUMED TO BE BORREGO SOLAR SYSTEMS, INC AND "SUBCONTRACTOR" IS BORREGO'S INSTALLATION SUBCONTRACTOR. THESE NOTES SET MINIMUM STANDARDS FOR CONSTRUCTION. THE DRAWINGS GOVERN OVER THESE NOTES TO THE EXTENT SHOWN. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING: LOCAL BUILDING CODE, LOCAL ELECTRICAL CODE, ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES AND STANDARDS LISTED IN THESE DRAWINGS AND IN THE SUBCONTRACTOR AGREEMENT. EXCEPTIONS TO THE CONTRACT DOCUMENTS ARE PERMITTED ONLY WITH THE APPROVAL OF BORREGO. COORDINATE THESE DRAWINGS WITH SPECIFICATIONS AND MANUFACTURER INSTALLATION AND OPERATION MANUALS AND NOTIFY BORREGO OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK. DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH U.L. LISTING REQUIREMENTS AND THE BUILDING CODE FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE OR SUBSTITUTED MATERIAL IS ACCEPTED AS AN EQUAL BY BORREGO, THE SUBCONTRACTOR WILL ASSUME THE RESPONSIBILITY FOR WHATEVER CONSTRUCTION MODIFICATION AND/OR ADDITIONAL COST THAT IS REQUIRED BY REASON OF THIS ACCEPTANCE. PRIOR TO THE COMMENCEMENT OF ANY WORK, EACH TRADE SHALL VERIFY EXISTING CONDITIONS AND NOTIFY BORREGO OF ANY DISCREPANCIES TO THAT WHICH IS SHOWN IN THESE DRAWINGS, INCLUDING BUT NOT LIMITED TO DIMENSIONS OF THE WORK AREA, STRUCTURE, EXISTING ELECTRICAL SERVICE, CONDUIT PATHS, OBSTRUCTIONS, ACCESSIBILITY ISSUES, AND WORKING CLEARANCES. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE SUBCONTRACTOR AT HIS OWN EXPENSE. SUBCONTRACTOR INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO BORREGO FOR APPROVAL PRIOR TO MAKING ANY CHANGES. APPROVED CHANGES REQUIRE A DRAWING REVISION TO MAINTAIN CONTROL OVER THE APPROVED DESIGN. DEVIATION FROM THESE PLANS PRIOR TO BORREGO APPROVAL PLACES ALL LIABILITY ON THE SUBCONTRACTOR. UNLESS INDICATED AS EXISTING (E), ALL PROPOSED MATERIALS AND EQUIPMENT ARE NEW. ALL ITEMS TO BE REMOVED AND RELOCATED OR REPLACED SHALL BE HANDLED WITH PROPER CARE AND STORED IN A SAFE PLACE TO PREVENT DAMAGE; OR BE REPLACED AT THE SUBCONTRACTOR'S EXPENSE. ALL EQUIPMENT SHALL BE MOUNTED AS SHOWN. WHERE DETAILS ARE NOT PROVIDED, THE SUBCONTRACTOR SHALL USE DILIGENT EFFORTS TO MOUNT EQUIPMENT SUCH THAT IT WILL BE CLEAN, LEVEL AND SOLID. ALL SURFACES SHALL BE PATCHED AND PAINTED AROUND NEW DEVICES AND EQUIPMENT TO MATCH EXISTING FINISHES. ANY METAL SHAVINGS RESULTING FROM SITE WORK SHALL BE CLEANED FROM ROOF SURFACES, ENCLOSURES AND ANY ADDITIONAL AREAS WHERE OXIDIZED OR CONDUCTIVE METAL SHAVINGS MAY CAUSE RUST, ELECTRICAL SHORT CIRCUITS OR OTHER DAMAGE. NO STRUCTURAL MEMBER SHALL BE DRILLED UNLESS SPECIFICALLY AUTHORIZED BY BORREGO. SUBCONTRACTOR ACKNOWLEDGES THAT THE SYSTEM AS INDICATED ON THE PLANS REQUIRES ALL COMPONENTS TO BE INSTALLED TO PROPERLY RESIST WIND LOADS, SUCH AS BALLAST, WIND DEFLECTORS, ETC. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO PROVIDE TEMPORARY MEANS TO RESIST WIND LOADS FOR ALL COMPONENTS NOT YET INSTALLED DURING AND AFTER REGULAR WORKING HOURS. THIS MAY INCLUDE TEMPORARY TIE DOWNS, COVERING, BALLAST OR ANY OTHER MEANS. DAMAGE TO ANY INSTALLED SYSTEM COMPONENT OR THE EXISTING FACILITY AS A RESULT OF THE UNFINISHED CONDITION NOT ADEQUATELY RESISTING WIND SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR TO REPAIR OR REPLACE AT THE SUBCONTRACTOR'S COST. TREES MAY GROW DURING THE LIFE OF THE SYSTEM AND IMPACT THE PRODUCTION. <p style="text-align: right;">V.7</p>	<p>THIS PROJECT CONSISTS OF THE INSTALLATION OF SOLAR MODULES PER THE SYSTEM DESCRIPTION, BELOW. THE MODULES WILL BE INSTALLED ON A TGP 2x12 MOUNTED RACKING SYSTEM. THE MODULES WILL BE WIRED IN SERIES STRINGS AND CONNECTED IN PARALLEL TO THE INVERTERS, WHICH CONVERT THE PHOTOVOLTAIC OUTPUT POWER FROM DC TO AC. THE SOLAR ELECTRIC SYSTEM WILL BE INTERCONNECTED WITH THE EXISTING SITE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE APPLICABLE ELECTRIC CODE AND EVERSOURCE REQUIREMENTS.</p> <p>THIS PROJECT CONSISTS OF THE INSTALLATION OF ENERGY STORAGE EQUIPMENT, PER THE SYSTEM DESCRIPTION, BELOW. THE LITHIUM-ION ENERGY STORAGE MODULES WILL BE INSTALLED IN A PURPOSE BUILT CONTAINER WITH INTEGRATED BATTERY MANAGEMENT SYSTEM, HEATING, VENTILATION, AIR-CONDITIONING UNIT(S), AND FIRE SUPPRESSION SYSTEMS. THE ENERGY STORAGE MODULES WILL BE WIRED IN SERIES STRINGS AND CONNECTED TO THE POWER CONVERSION SYSTEM, WHICH WILL CONVERT DC TO AC WHILE THE BATTERIES ARE DISCHARGING AND WILL CONVERT AC TO DC WHILE THE BATTERIES ARE CHARGING.</p>		<table border="1"> <thead> <tr> <th>SHEET NUMBER</th> <th>SHEET TITLE</th> </tr> </thead> <tbody> <tr> <td>T-1</td> <td>TITLE PAGE</td> </tr> <tr> <td colspan="2">CIVIL</td> </tr> <tr> <td>C-1.0</td> <td>EXISTING CONDITIONS PLAN</td> </tr> <tr> <td>C-2.0</td> <td>TREE CLEARING PLAN</td> </tr> <tr> <td>C-3.0</td> <td>OVERALL LAYOUT AND MATERIALS PLAN</td> </tr> <tr> <td>C-3.1</td> <td>LAYOUT AND MATERIALS PLAN - NORTH</td> </tr> <tr> <td>C-3.2</td> <td>LAYOUT AND MATERIALS PLAN - SOUTH</td> </tr> <tr> <td>C-4.0</td> <td>OVERALL GRADING AND EROSION CONTROL PLAN</td> </tr> <tr> <td>C-4.1</td> <td>GRADING AND EROSION CONTROL PLAN - NORTH</td> </tr> <tr> <td>C-4.2</td> <td>GRADING AND EROSION CONTROL PLAN - SOUTH</td> </tr> <tr> <td>C-4.3</td> <td>GRADING AND EROSION CONTROL PLAN - BASIN 1, 2, 3</td> </tr> <tr> <td>C-4.4</td> <td>GRADING AND EROSION CONTROL PLAN - BASIN 6</td> </tr> <tr> <td>C-4.5</td> <td>GRADING AND EROSION CONTROL PLAN - BASIN 5, 4</td> </tr> <tr> <td>C-5.0</td> <td>CIVIL DETAILS</td> </tr> <tr> <td>C-5.1</td> <td>CIVIL DETAILS</td> </tr> </tbody> </table>	SHEET NUMBER	SHEET TITLE	T-1	TITLE PAGE	CIVIL		C-1.0	EXISTING CONDITIONS PLAN	C-2.0	TREE CLEARING PLAN	C-3.0	OVERALL LAYOUT AND MATERIALS PLAN	C-3.1	LAYOUT AND MATERIALS PLAN - NORTH	C-3.2	LAYOUT AND MATERIALS PLAN - SOUTH	C-4.0	OVERALL GRADING AND EROSION CONTROL PLAN	C-4.1	GRADING AND EROSION CONTROL PLAN - NORTH	C-4.2	GRADING AND EROSION CONTROL PLAN - SOUTH	C-4.3	GRADING AND EROSION CONTROL PLAN - BASIN 1, 2, 3	C-4.4	GRADING AND EROSION CONTROL PLAN - BASIN 6	C-4.5	GRADING AND EROSION CONTROL PLAN - BASIN 5, 4	C-5.0	CIVIL DETAILS	C-5.1	CIVIL DETAILS																																											
SHEET NUMBER	SHEET TITLE																																																																													
T-1	TITLE PAGE																																																																													
CIVIL																																																																														
C-1.0	EXISTING CONDITIONS PLAN																																																																													
C-2.0	TREE CLEARING PLAN																																																																													
C-3.0	OVERALL LAYOUT AND MATERIALS PLAN																																																																													
C-3.1	LAYOUT AND MATERIALS PLAN - NORTH																																																																													
C-3.2	LAYOUT AND MATERIALS PLAN - SOUTH																																																																													
C-4.0	OVERALL GRADING AND EROSION CONTROL PLAN																																																																													
C-4.1	GRADING AND EROSION CONTROL PLAN - NORTH																																																																													
C-4.2	GRADING AND EROSION CONTROL PLAN - SOUTH																																																																													
C-4.3	GRADING AND EROSION CONTROL PLAN - BASIN 1, 2, 3																																																																													
C-4.4	GRADING AND EROSION CONTROL PLAN - BASIN 6																																																																													
C-4.5	GRADING AND EROSION CONTROL PLAN - BASIN 5, 4																																																																													
C-5.0	CIVIL DETAILS																																																																													
C-5.1	CIVIL DETAILS																																																																													
	<p>SYSTEM DESCRIPTION</p> <table border="1"> <tr> <td>APPROXIMATE SYSTEM SIZE (DC)</td> <td>16,118,190 KWDC</td> <td>SYSTEM SIZE (AC)</td> <td>4,990 KWAC</td> </tr> <tr> <td>MODULES</td> <td>(39,798) LG405N2T-J5</td> <td>INVERTER(S)</td> <td>(5) POWER ELECTRONICS HEMK FS2125K POWER LIMITED TO 998 KWAC</td> </tr> <tr> <td>MODULES PER STRING</td> <td>27</td> <td>TILT ANGLE</td> <td>25°</td> </tr> <tr> <td># STRINGS</td> <td>1474</td> <td>ESTIMATED FOUNDATIONS</td> <td>6,633</td> </tr> <tr> <td>RACKING</td> <td>TERRASmart TGP</td> <td>RACKING QUANTITY</td> <td>1,658</td> </tr> </table> <p>ENERGY STORAGE SYSTEM DESCRIPTION</p> <table border="1"> <tr> <td>SYSTEM POWER CAPACITY</td> <td>4,990 KWAC</td> </tr> <tr> <td>USABLE ENERGY CAPACITY</td> <td>6 HOURS AT RATED POWER CAPACITY</td> </tr> <tr> <td>POWER CONVERSION SYSTEM / INVERTER</td> <td>SEE INVERTERS ABOVE</td> </tr> <tr> <td>DC / DC CONVERTER</td> <td>POWER ELECTRONICS FREEMAQ FD0500 DC/DC CONVERTER 500KW</td> </tr> </table> <p>TOTAL SYSTEM DESCRIPTION</p> <table border="1"> <tr> <td>TOTAL PV+STORAGE POWER CAPACITY</td> <td>4,990 KWAC</td> </tr> <tr> <td>MAXIMUM EXPORT TO UTILITY</td> <td>4,990 KWAC</td> </tr> </table>	APPROXIMATE SYSTEM SIZE (DC)	16,118,190 KWDC	SYSTEM SIZE (AC)	4,990 KWAC	MODULES	(39,798) LG405N2T-J5	INVERTER(S)	(5) POWER ELECTRONICS HEMK FS2125K POWER LIMITED TO 998 KWAC	MODULES PER STRING	27	TILT ANGLE	25°	# STRINGS	1474	ESTIMATED FOUNDATIONS	6,633	RACKING	TERRASmart TGP	RACKING QUANTITY	1,658	SYSTEM POWER CAPACITY	4,990 KWAC	USABLE ENERGY CAPACITY	6 HOURS AT RATED POWER CAPACITY	POWER CONVERSION SYSTEM / INVERTER	SEE INVERTERS ABOVE	DC / DC CONVERTER	POWER ELECTRONICS FREEMAQ FD0500 DC/DC CONVERTER 500KW	TOTAL PV+STORAGE POWER CAPACITY	4,990 KWAC	MAXIMUM EXPORT TO UTILITY	4,990 KWAC	<p>AERIAL VIEW</p>																																												
APPROXIMATE SYSTEM SIZE (DC)	16,118,190 KWDC	SYSTEM SIZE (AC)	4,990 KWAC																																																																											
MODULES	(39,798) LG405N2T-J5	INVERTER(S)	(5) POWER ELECTRONICS HEMK FS2125K POWER LIMITED TO 998 KWAC																																																																											
MODULES PER STRING	27	TILT ANGLE	25°																																																																											
# STRINGS	1474	ESTIMATED FOUNDATIONS	6,633																																																																											
RACKING	TERRASmart TGP	RACKING QUANTITY	1,658																																																																											
SYSTEM POWER CAPACITY	4,990 KWAC																																																																													
USABLE ENERGY CAPACITY	6 HOURS AT RATED POWER CAPACITY																																																																													
POWER CONVERSION SYSTEM / INVERTER	SEE INVERTERS ABOVE																																																																													
DC / DC CONVERTER	POWER ELECTRONICS FREEMAQ FD0500 DC/DC CONVERTER 500KW																																																																													
TOTAL PV+STORAGE POWER CAPACITY	4,990 KWAC																																																																													
MAXIMUM EXPORT TO UTILITY	4,990 KWAC																																																																													
<p>APPLICABLE CODES AND STANDARDS</p> <p>2017 MASSACHUSETTS ELECTRICAL CODE 527 CMR12.00 MASSACHUSETTS BUILDING CODE 9TH EDITION UL-1703 - SOLAR MODULES UL-1741 - INVERTERS, COMBINER BOXES UL-2703 - RACKING MOUNTING SYSTEMS AND CLAMPING DEVICES FOR PV MODULES UL-1642 - STANDARD FOR LITHIUM BATTERIES UL-1973 - STANDARD FOR BATTERIES FOR USE IN LIGHT ELECTRIC RAIL (LER) APPLICATIONS AND STATIONARY APPLICATION UL-9540 - STANDARD FOR ENERGY STORAGE SYSTEM AND EQUIPMENT</p>	<p>PROJECT DIRECTORY</p> <table border="1"> <tr> <td>SYSTEM / PROJECT OWNER TBD</td> <td>CIVIL ENGINEER FIRM: BEALS AND THOMAS, INC. CONTACT: JEFFREY R. MURPHY, P.E. PHONE: (508)-366-0560</td> </tr> <tr> <td>LAND OWNER / HOST A.D. MAKEPEACE COMPANY 150 TIHONET ROAD WAREHAM, MA 02571</td> <td>FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: DEAN SMITH, P.E. PHONE: (978)-221-3103</td> </tr> <tr> <td>AUTHORITY HAVING JURISDICTION TOWN OF WAREHAM 54 MARION ROAD WAREHAM, MA 02571</td> <td>ELECTRICAL ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: AHARON WRIGHT, P.E. PHONE: (978)-726-3496</td> </tr> <tr> <td>UTILITY EVERSOURCE</td> <td>DESIGN ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: NORMAN HALLISSEY PHONE: (978)-207-3926</td> </tr> <tr> <td>CIVIL ENGINEER BEALS AND THOMAS, INC. 32 COURT STREET PLYMOUTH, MA 02360</td> <td></td> </tr> </table>	SYSTEM / PROJECT OWNER TBD	CIVIL ENGINEER FIRM: BEALS AND THOMAS, INC. CONTACT: JEFFREY R. MURPHY, P.E. PHONE: (508)-366-0560	LAND OWNER / HOST A.D. MAKEPEACE COMPANY 150 TIHONET ROAD WAREHAM, MA 02571	FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: DEAN SMITH, P.E. PHONE: (978)-221-3103	AUTHORITY HAVING JURISDICTION TOWN OF WAREHAM 54 MARION ROAD WAREHAM, MA 02571	ELECTRICAL ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: AHARON WRIGHT, P.E. PHONE: (978)-726-3496	UTILITY EVERSOURCE	DESIGN ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: NORMAN HALLISSEY PHONE: (978)-207-3926	CIVIL ENGINEER BEALS AND THOMAS, INC. 32 COURT STREET PLYMOUTH, MA 02360		<p>GENERAL ABBREVIATIONS</p> <table border="1"> <tr> <td>(E) EXISTING</td> <td>NS NORTH-SOUTH</td> </tr> <tr> <td>AHJ AUTHORITY HAVING JURISDICTION</td> <td>NTS NOT TO SCALE</td> </tr> <tr> <td>AL ALUMINUM</td> <td>OAE OR APPROVED EQUAL</td> </tr> <tr> <td>APPROX APPROXIMATE</td> <td>OC ON CENTER</td> </tr> <tr> <td>ARY ARRAY</td> <td>OD OUTSIDE DIAMETER</td> </tr> <tr> <td>BLDG BUILDING</td> <td>OF/CI OWNER FURNISHED CONTRACTOR INSTALLED</td> </tr> <tr> <td>BSS BORREGO SOLAR SYSTEM</td> <td>PV PHOTOVOLTAIC</td> </tr> <tr> <td>CL CENTERLINE</td> <td>PVC POLY VINYL CHLORIDE</td> </tr> <tr> <td>DAS DATA ACQUISITION SYSTEM</td> <td>SCH SCHEDULE</td> </tr> <tr> <td>DIA DIAMETER</td> <td>SS STAINLESS STEEL</td> </tr> <tr> <td>DO DITTO</td> <td>SSS SOLAR SUPPORT STRUCTURE</td> </tr> <tr> <td>EW EAST-WEST</td> <td>STC STANDARD TEST CONDITIONS</td> </tr> <tr> <td>FBO FURNISHED BY OTHERS</td> <td>TBD TO BE DETERMINED</td> </tr> <tr> <td>FF FORWARD FACING</td> <td>TP TAMPER PROOF</td> </tr> <tr> <td>GALV GALVANIZED</td> <td>TYP TYPICAL</td> </tr> <tr> <td>HDC HOT DIP GALVANIZED</td> <td>UON UNLESS OTHERWISE NOTED</td> </tr> <tr> <td>HVAC HEATING VENTILATION AND AIR CONDITIONING</td> <td>VIF VERIFY IN FIELD</td> </tr> <tr> <td>ID INSIDE DIAMETER</td> <td>WP WEATHER PROOF</td> </tr> <tr> <td>MFR MANUFACTURER</td> <td></td> </tr> <tr> <td>MOD SOLAR MODULE</td> <td></td> </tr> </table> <p style="text-align: right;">REV 1.0</p>	(E) EXISTING	NS NORTH-SOUTH	AHJ AUTHORITY HAVING JURISDICTION	NTS NOT TO SCALE	AL ALUMINUM	OAE OR APPROVED EQUAL	APPROX APPROXIMATE	OC ON CENTER	ARY ARRAY	OD OUTSIDE DIAMETER	BLDG BUILDING	OF/CI OWNER FURNISHED CONTRACTOR INSTALLED	BSS BORREGO SOLAR SYSTEM	PV PHOTOVOLTAIC	CL CENTERLINE	PVC POLY VINYL CHLORIDE	DAS DATA ACQUISITION SYSTEM	SCH SCHEDULE	DIA DIAMETER	SS STAINLESS STEEL	DO DITTO	SSS SOLAR SUPPORT STRUCTURE	EW EAST-WEST	STC STANDARD TEST CONDITIONS	FBO FURNISHED BY OTHERS	TBD TO BE DETERMINED	FF FORWARD FACING	TP TAMPER PROOF	GALV GALVANIZED	TYP TYPICAL	HDC HOT DIP GALVANIZED	UON UNLESS OTHERWISE NOTED	HVAC HEATING VENTILATION AND AIR CONDITIONING	VIF VERIFY IN FIELD	ID INSIDE DIAMETER	WP WEATHER PROOF	MFR MANUFACTURER		MOD SOLAR MODULE		<p>NOT FOR CONSTRUCTION</p> <p style="text-align: center;">SITE USE PLANS 150 TIHONET ROAD WAREHAM, MA 02571</p> <p>PROJECT NUMBER: 905-2710</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DRAWN</th> <th>CHECKED</th> <th>RELEASE LEVEL</th> </tr> </thead> <tbody> <tr> <td>06/08/20</td> <td>WS</td> <td>DS</td> <td>DS</td> <td>ISSUED FOR LOCAL PERMITTING</td> </tr> <tr> <td>08/14/20</td> <td>DTL</td> <td>AW</td> <td>AW</td> <td>UTILITY SUBMISSION</td> </tr> <tr> <td>08/19/20</td> <td>WS</td> <td>DS</td> <td>DS</td> <td>CREATE SIGHT LINE EXHIBIT</td> </tr> <tr> <td>11/02/20</td> <td>WS</td> <td>DS</td> <td>DS</td> <td>RESUBMISSION TO LOCAL AHJ</td> </tr> </tbody> </table> <p>SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"</p> <p style="text-align: center;">T-1 TITLE PAGE</p>	REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	06/08/20	WS	DS	DS	ISSUED FOR LOCAL PERMITTING	08/14/20	DTL	AW	AW	UTILITY SUBMISSION	08/19/20	WS	DS	DS	CREATE SIGHT LINE EXHIBIT	11/02/20	WS	DS	DS	RESUBMISSION TO LOCAL AHJ
SYSTEM / PROJECT OWNER TBD	CIVIL ENGINEER FIRM: BEALS AND THOMAS, INC. CONTACT: JEFFREY R. MURPHY, P.E. PHONE: (508)-366-0560																																																																													
LAND OWNER / HOST A.D. MAKEPEACE COMPANY 150 TIHONET ROAD WAREHAM, MA 02571	FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: DEAN SMITH, P.E. PHONE: (978)-221-3103																																																																													
AUTHORITY HAVING JURISDICTION TOWN OF WAREHAM 54 MARION ROAD WAREHAM, MA 02571	ELECTRICAL ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: AHARON WRIGHT, P.E. PHONE: (978)-726-3496																																																																													
UTILITY EVERSOURCE	DESIGN ENGINEER FIRM: BORREGO SOLAR SYSTEMS, INC. CONTACT: NORMAN HALLISSEY PHONE: (978)-207-3926																																																																													
CIVIL ENGINEER BEALS AND THOMAS, INC. 32 COURT STREET PLYMOUTH, MA 02360																																																																														
(E) EXISTING	NS NORTH-SOUTH																																																																													
AHJ AUTHORITY HAVING JURISDICTION	NTS NOT TO SCALE																																																																													
AL ALUMINUM	OAE OR APPROVED EQUAL																																																																													
APPROX APPROXIMATE	OC ON CENTER																																																																													
ARY ARRAY	OD OUTSIDE DIAMETER																																																																													
BLDG BUILDING	OF/CI OWNER FURNISHED CONTRACTOR INSTALLED																																																																													
BSS BORREGO SOLAR SYSTEM	PV PHOTOVOLTAIC																																																																													
CL CENTERLINE	PVC POLY VINYL CHLORIDE																																																																													
DAS DATA ACQUISITION SYSTEM	SCH SCHEDULE																																																																													
DIA DIAMETER	SS STAINLESS STEEL																																																																													
DO DITTO	SSS SOLAR SUPPORT STRUCTURE																																																																													
EW EAST-WEST	STC STANDARD TEST CONDITIONS																																																																													
FBO FURNISHED BY OTHERS	TBD TO BE DETERMINED																																																																													
FF FORWARD FACING	TP TAMPER PROOF																																																																													
GALV GALVANIZED	TYP TYPICAL																																																																													
HDC HOT DIP GALVANIZED	UON UNLESS OTHERWISE NOTED																																																																													
HVAC HEATING VENTILATION AND AIR CONDITIONING	VIF VERIFY IN FIELD																																																																													
ID INSIDE DIAMETER	WP WEATHER PROOF																																																																													
MFR MANUFACTURER																																																																														
MOD SOLAR MODULE																																																																														
REV	DATE	DRAWN	CHECKED	RELEASE LEVEL																																																																										
06/08/20	WS	DS	DS	ISSUED FOR LOCAL PERMITTING																																																																										
08/14/20	DTL	AW	AW	UTILITY SUBMISSION																																																																										
08/19/20	WS	DS	DS	CREATE SIGHT LINE EXHIBIT																																																																										
11/02/20	WS	DS	DS	RESUBMISSION TO LOCAL AHJ																																																																										

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.



NOT FOR CONSTRUCTION



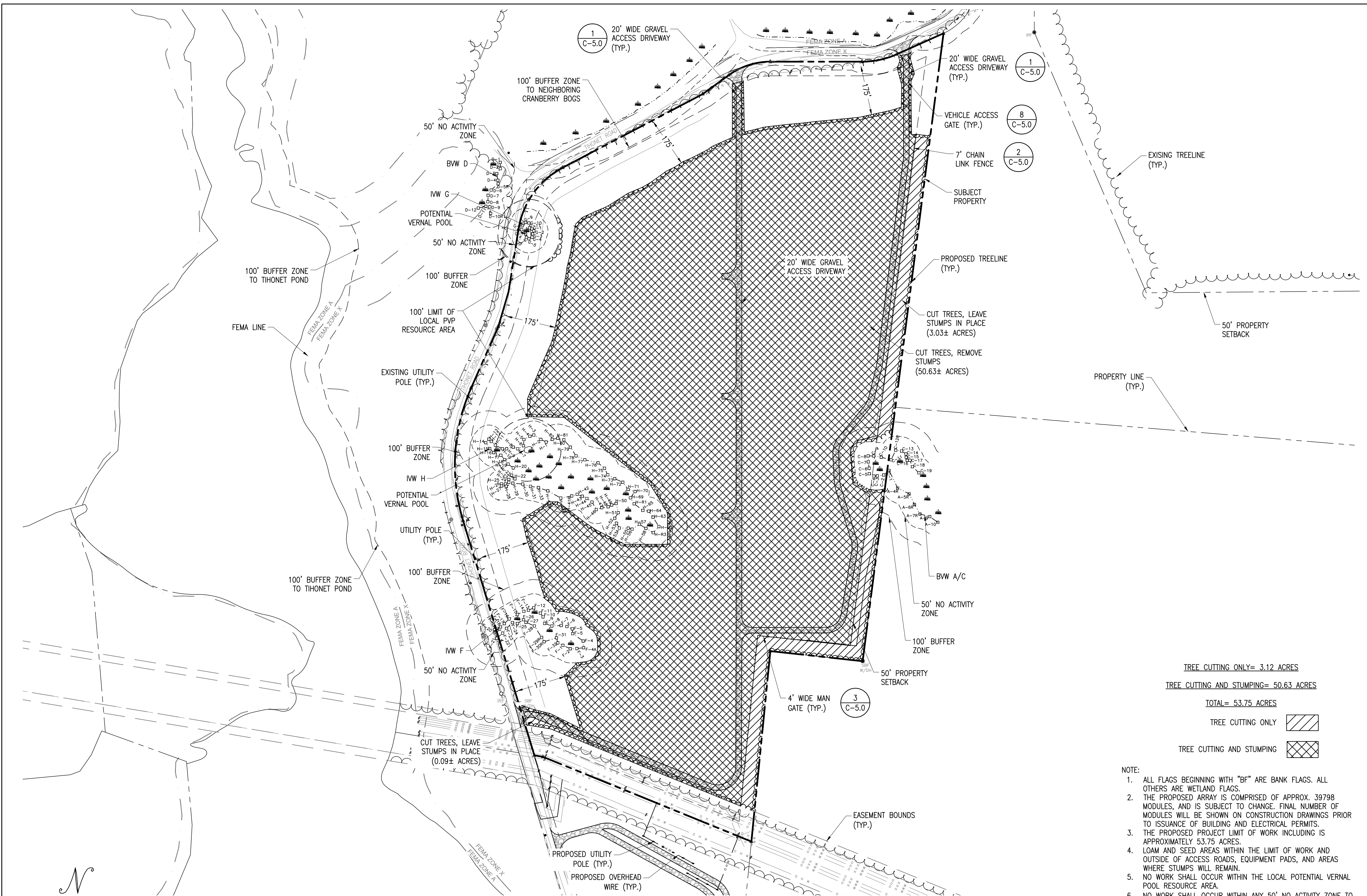
SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-2.0
TREE CLEARING PLAN



TREE CUTTING ONLY= 3.12 ACRES
 TREE CUTTING AND STUMPING= 50.63 ACRES
 TOTAL= 53.75 ACRES

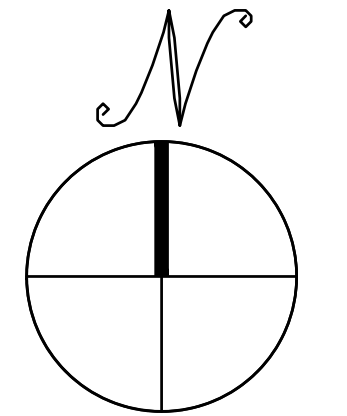
TREE CUTTING ONLY

TREE CUTTING AND STUMPING

- NOTE:
- ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 - THE PROPOSED ARRAY IS COMPRISED OF APPROX. 39798 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
 - THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 53.75 ACRES.
 - LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, EQUIPMENT PADS, AND AREAS WHERE STUMPS WILL REMAIN.
 - NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA.
 - NO WORK SHALL OCCUR WITHIN ANY 50' NO ACTIVITY ZONE TO WETLAND RESOURCE AREA.

TREE CLEARING PLAN

SCALE: 1" = 150'



THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR
 55 TECHNOLOGY DRIVE, SUITE 102
 LOWELL, MA 01851
 PHONE: (888) 808-6273
 FAX: (888) 643-6778
 WWW.BORREGOSSOLAR.COM

NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
 JEFFREY R. MURPHY
 CIVIL
 No. 51800
 REGISTERED PROFESSIONAL ENGINEER
Jeffrey R. Murphy
 11/13/2020

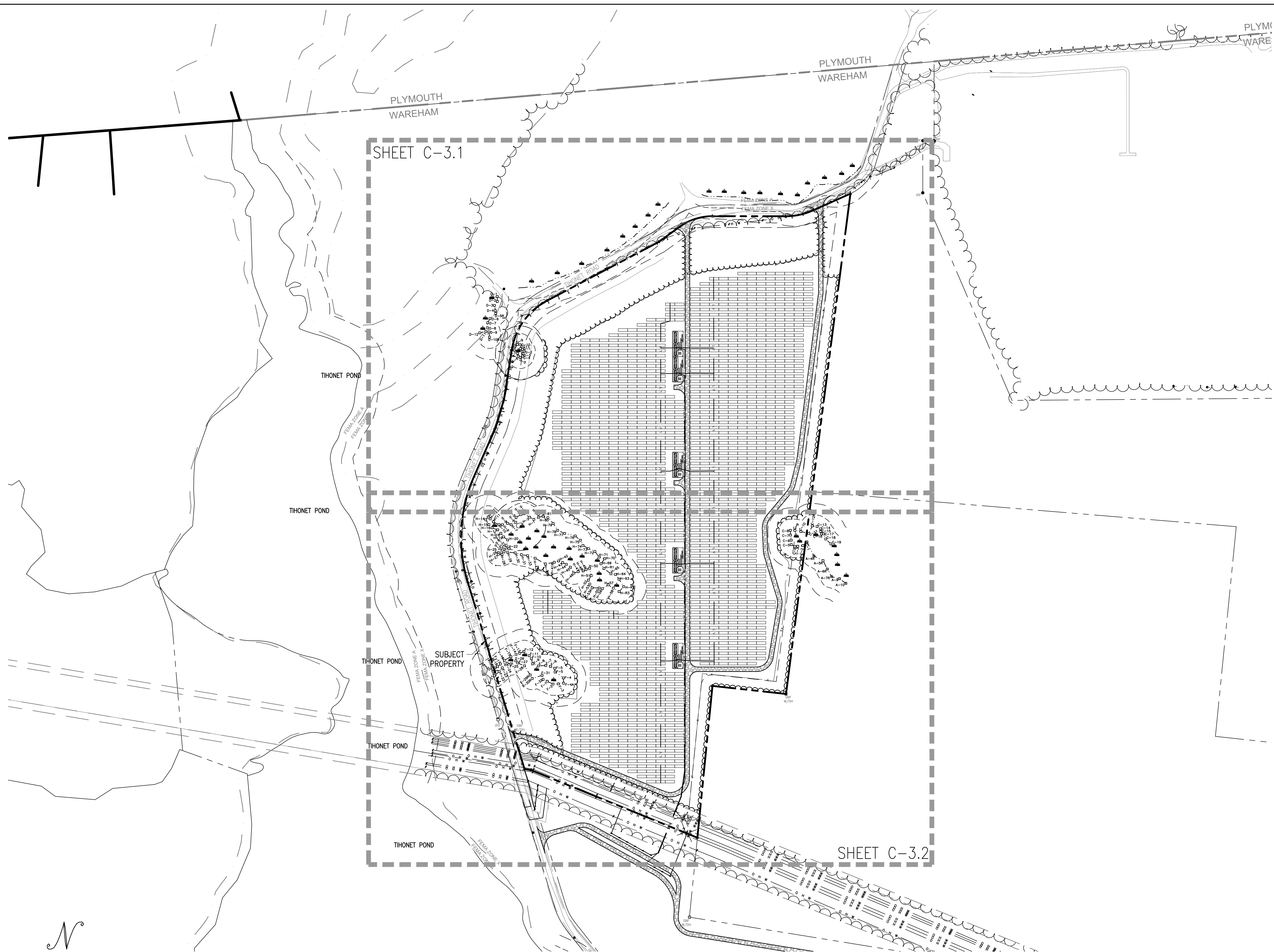
SITE USE PLANS
 150 THONET ROAD
 WAREHAM, MA 02571

PROJECT NUMBER:
 905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

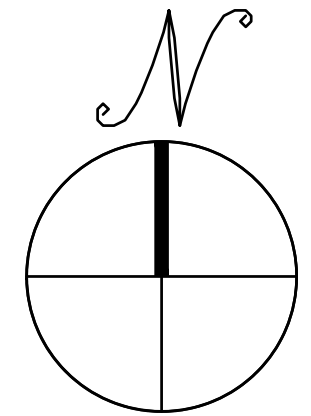
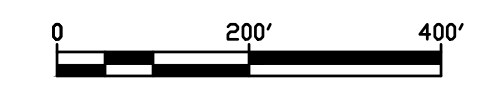
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-3.0
 OVERALL LAYOUT AND MATERIALS PLAN



OVERALL LAYOUT AND MATERIALS PLAN

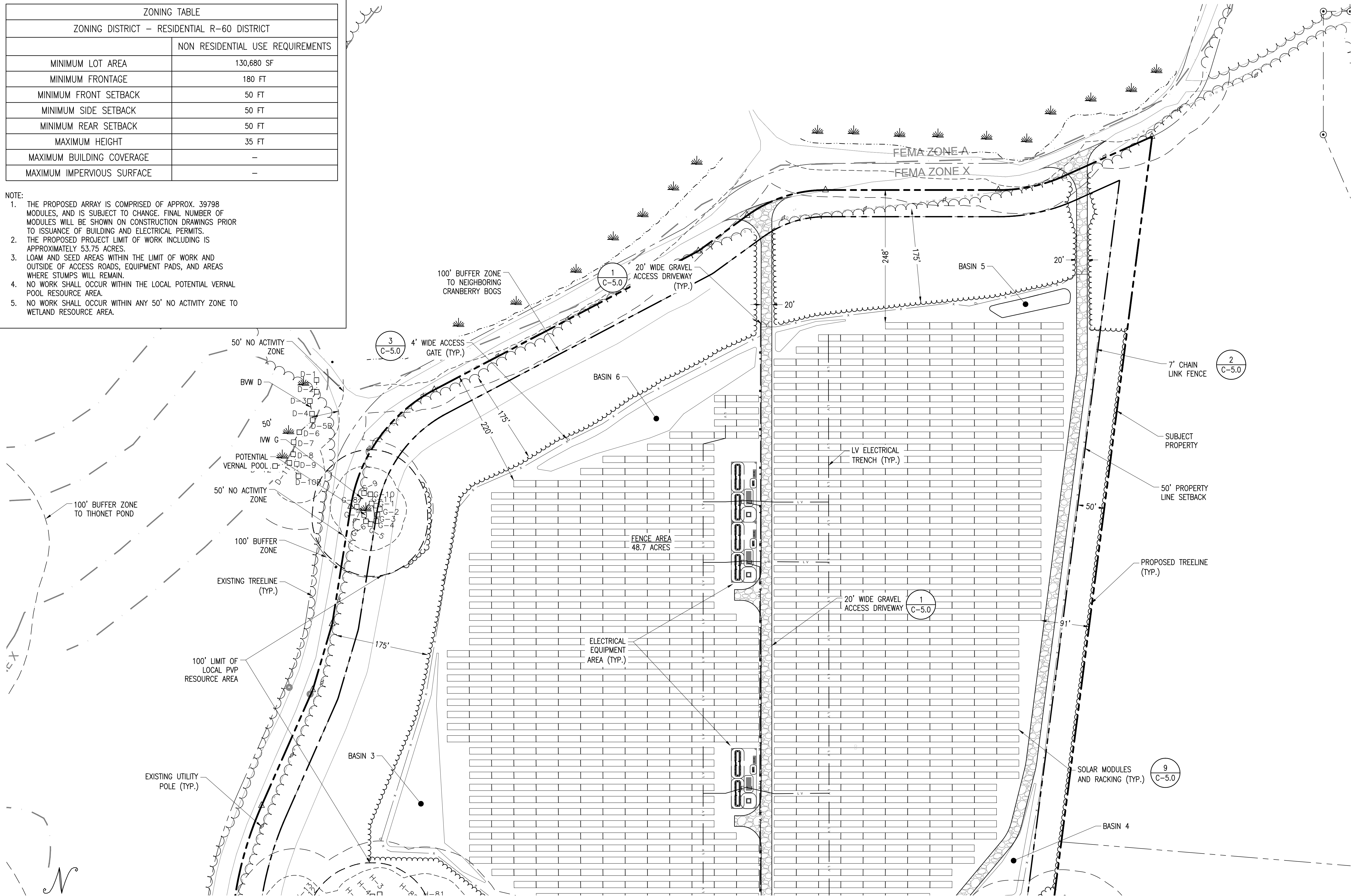
SCALE: 1" = 200'



ZONING TABLE	
ZONING DISTRICT – RESIDENTIAL R-60 DISTRICT	
NON RESIDENTIAL USE REQUIREMENTS	
MINIMUM LOT AREA	130,680 SF
MINIMUM FRONTAGE	180 FT
MINIMUM FRONT SETBACK	50 FT
MINIMUM SIDE SETBACK	50 FT
MINIMUM REAR SETBACK	50 FT
MAXIMUM HEIGHT	35 FT
MAXIMUM BUILDING COVERAGE	-
MAXIMUM IMPERVIOUS SURFACE	-

NOTE:

1. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 39,798 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
2. THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 53.75 ACRES.
3. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, EQUIPMENT PADS, AND AREAS WHERE STUMPS WILL REMAIN.
4. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA.
5. NO WORK SHALL OCCUR WITHIN ANY 50' NO ACTIVITY ZONE TO WETLAND RESOURCE AREA.



LAYOUT AND MATERIALS PLAN - NORTH

SCALE: 1" = 80'

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR
55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 808-4273
FAX: (888) 843-6778
WWW.BORREGOSSOLAR.COM

NOT FOR CONSTRUCTION

JEFFREY R. MURPHY
CIVIL
No. 51800
PROFESSIONAL ENGINEER
Jeffrey R. Murphy
11/13/2020

SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

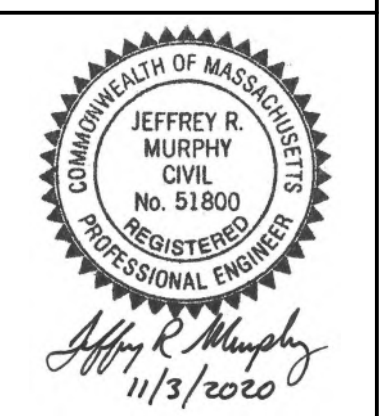
PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-3.1
LAYOUT AND MATERIALS PLAN - NORTH

NOT FOR CONSTRUCTION



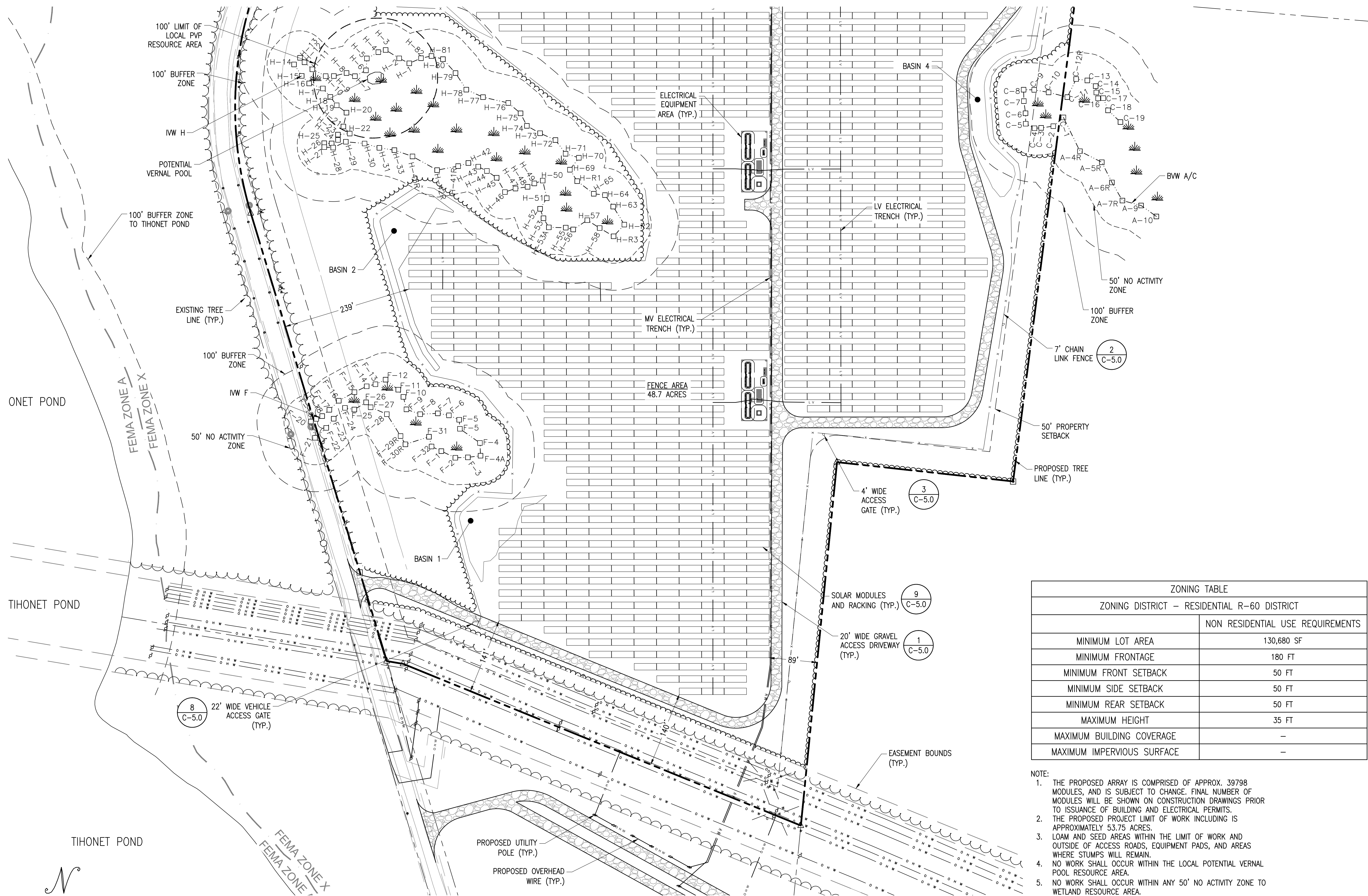
SITE USE PLANS
 150 THONET ROAD
 WAREHAM, MA 02571

PROJECT NUMBER:
 905-2710

REV	DATE	DESCRIPTION	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	ISSUED FOR LOCAL PERMITTING	WS	DS	
	08/14/20	UTILITY SUBMISSION	AW	AW	
	08/19/20	CREATE SIGHT LINE EXHIBIT	WS	DS	
	11/02/20	RESUBMISSION TO LOCAL AHJ	WS	DS	

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-3.2
 LAYOUT AND MATERIALS PLAN - SOUTH

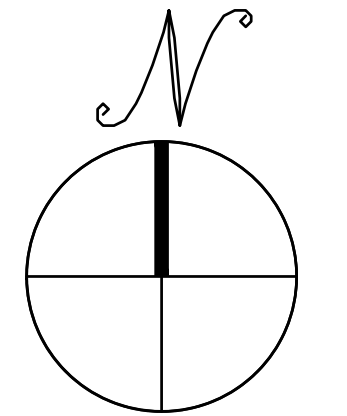


ZONING TABLE	
ZONING DISTRICT - RESIDENTIAL R-60 DISTRICT	
	NON RESIDENTIAL USE REQUIREMENTS
MINIMUM LOT AREA	130,680 SF
MINIMUM FRONTAGE	180 FT
MINIMUM FRONT SETBACK	50 FT
MINIMUM SIDE SETBACK	50 FT
MINIMUM REAR SETBACK	50 FT
MAXIMUM HEIGHT	35 FT
MAXIMUM BUILDING COVERAGE	-
MAXIMUM IMPERVIOUS SURFACE	-

- NOTE:
1. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 39798 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
 2. THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 53.75 ACRES.
 3. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, EQUIPMENT PADS, AND AREAS WHERE STUMPS WILL REMAIN.
 4. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA.
 5. NO WORK SHALL OCCUR WITHIN ANY 50' NO ACTIVITY ZONE TO WETLAND RESOURCE AREA.

LAYOUT AND MATERIALS PLAN - SOUTH

SCALE: 1" = 80'



THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR
 55 TECHNOLOGY DRIVE, SUITE 102
 LOWELL, MA 01851
 PHONE: (888) 808-6273 FAX: (888) 843-6778
 WWW.BORREGOSSOLAR.COM

NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
 JEFFREY R. MURPHY
 CIVIL
 No. 51800
 PROFESSIONAL ENGINEER
Jeffrey R. Murphy
 11/3/2020

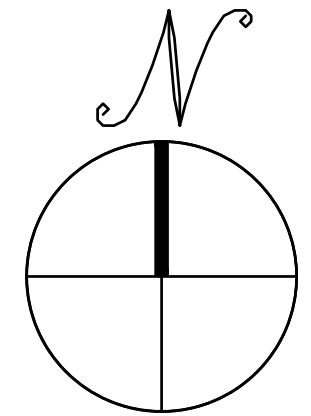
SITE USE PLANS
 150 THONET ROAD
 WAREHAM, MA 02571

PROJECT NUMBER:
 905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

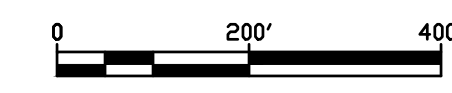
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-4.0
 OVERALL GRADING AND EROSION CONTROL PLAN



OVERALL GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 200.01'

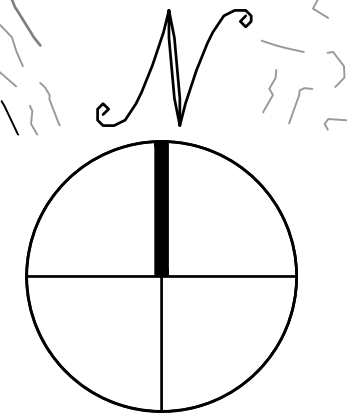


- NOTE:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 2. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 39798 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
 3. THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 53.75 ACRES.
 4. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, EQUIPMENT PADS, AND AREAS WHERE STUMPS WILL REMAIN.
 5. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA.
 6. NO WORK SHALL OCCUR WITHIN ANY 50' NO ACTIVITY ZONE TO WETLAND RESOURCE AREA.



GRADING AND EROSION CONTROL PLAN - NORTH

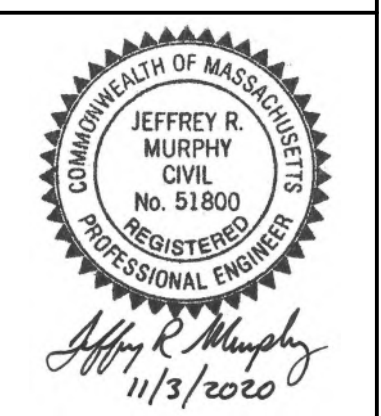
SCALE: 1" = 80'



THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.



NOT FOR CONSTRUCTION



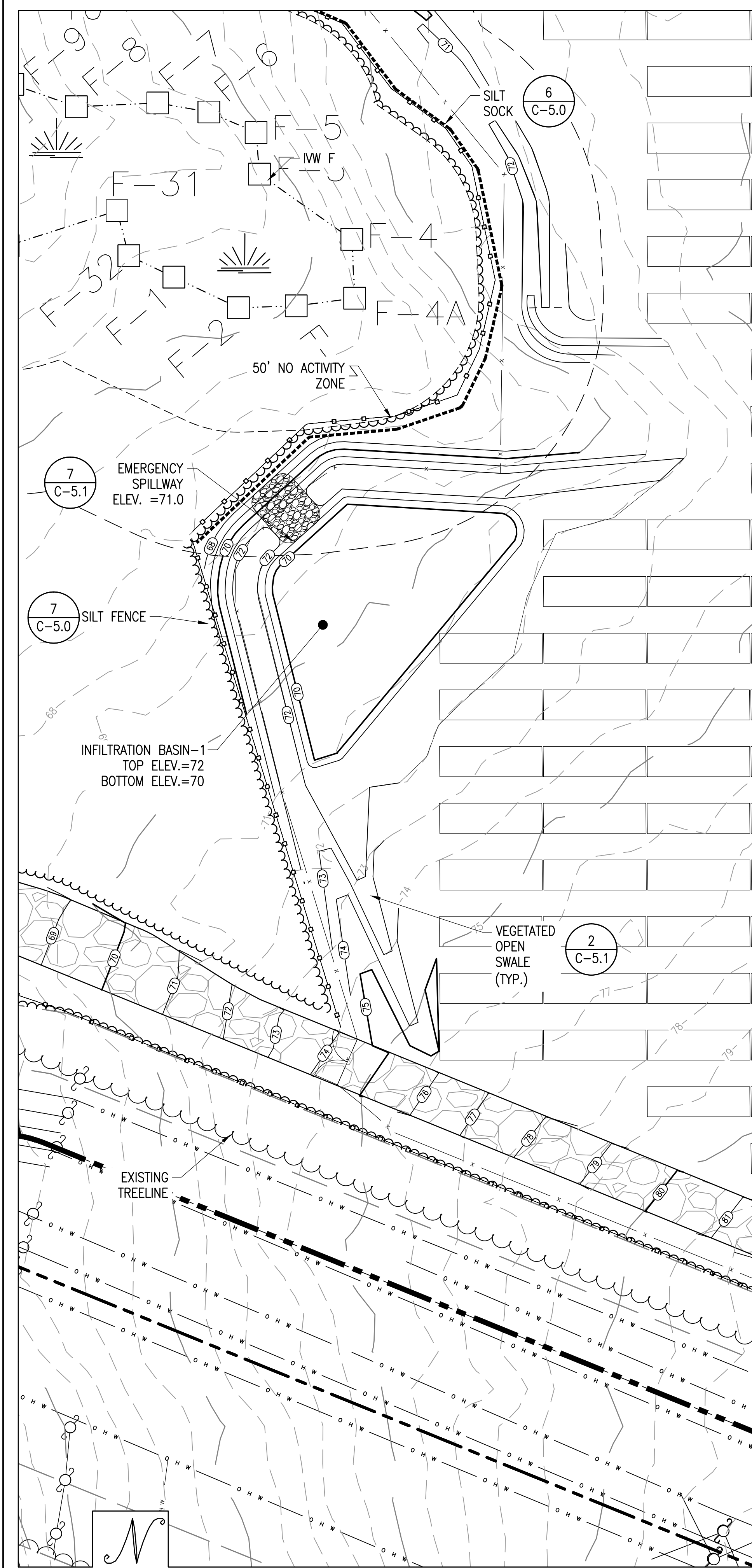
SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

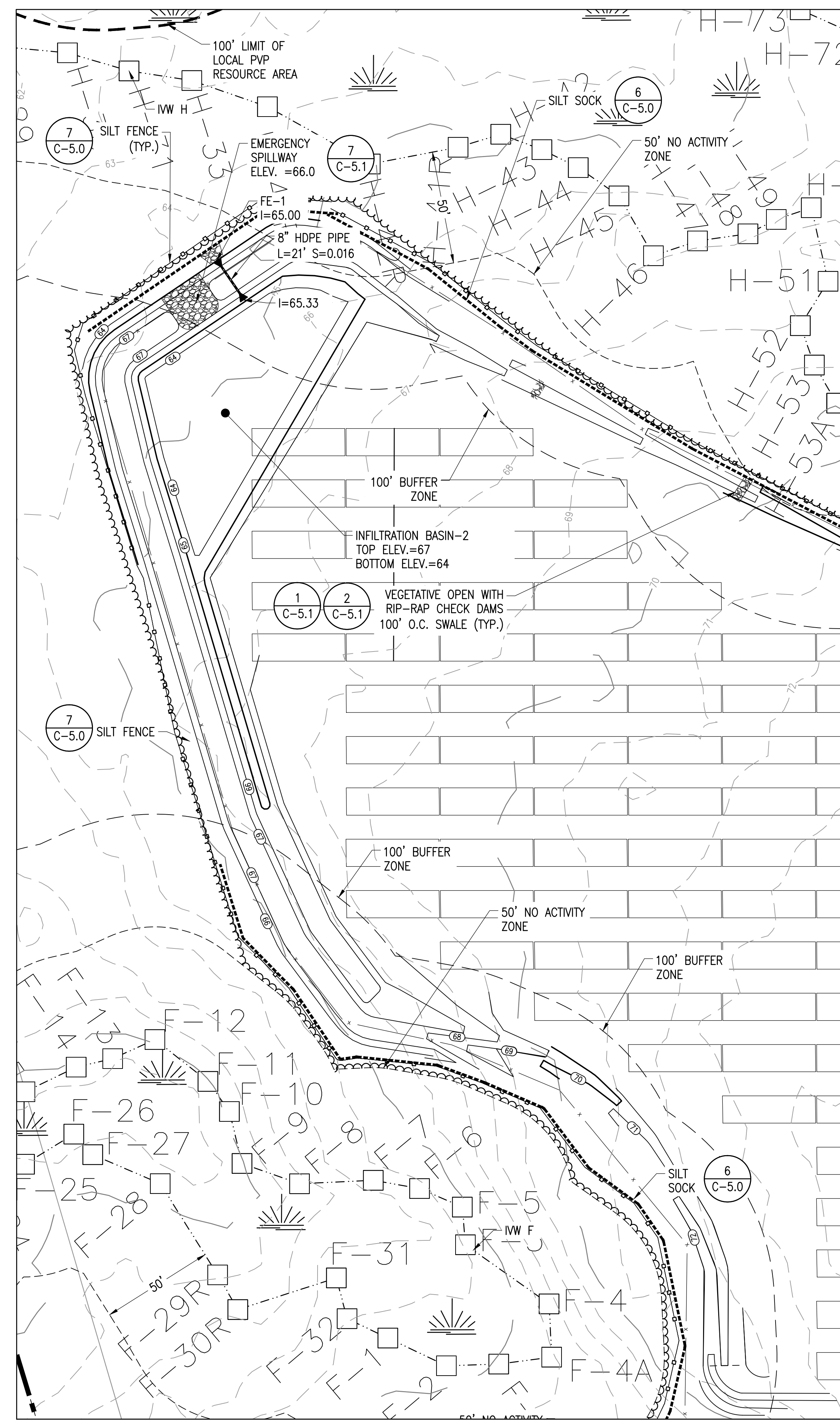
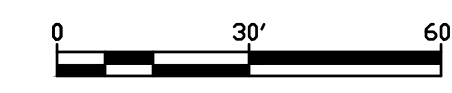
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-4.1
GRADING AND EROSION CONTROL PLAN - NORTH

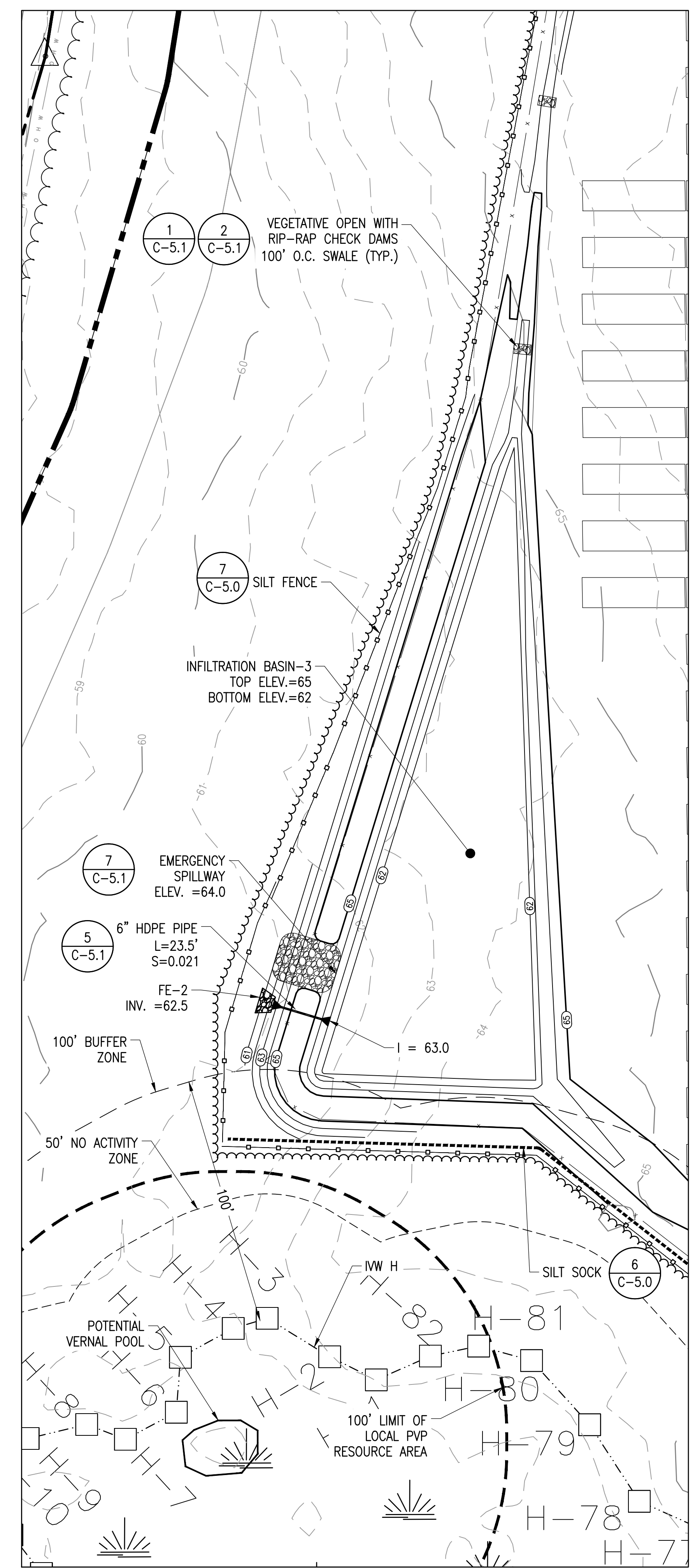


BASIN - 1

SCALE: 1" = 30'



BASIN - 2



BASIN - 3

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

BORREGO SOLAR
55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (978) 898-6273
FAX: (978) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
JEFFREY R. MURPHY
CIVIL
No. 51800
REGISTERED PROFESSIONAL ENGINEER
Jeffrey R. Murphy
11/3/2020

SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

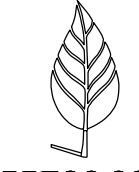
PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED AT 1/4" = 1'.

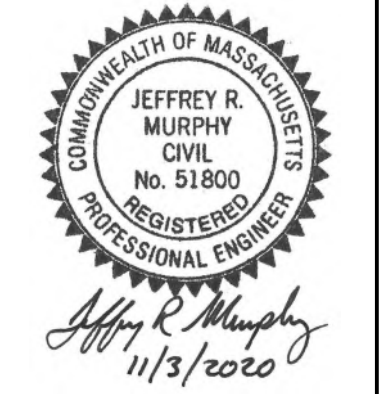
C-4.3
GRADING AND EROSION CONTROL PLAN - BASIN 1.2

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.



BORREGO SOLAR
55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 808-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION



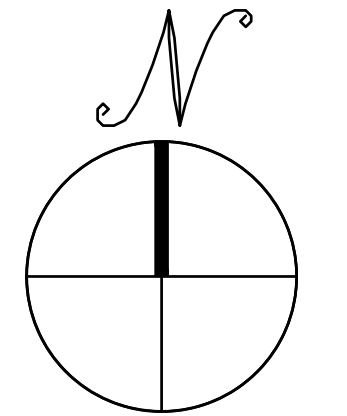
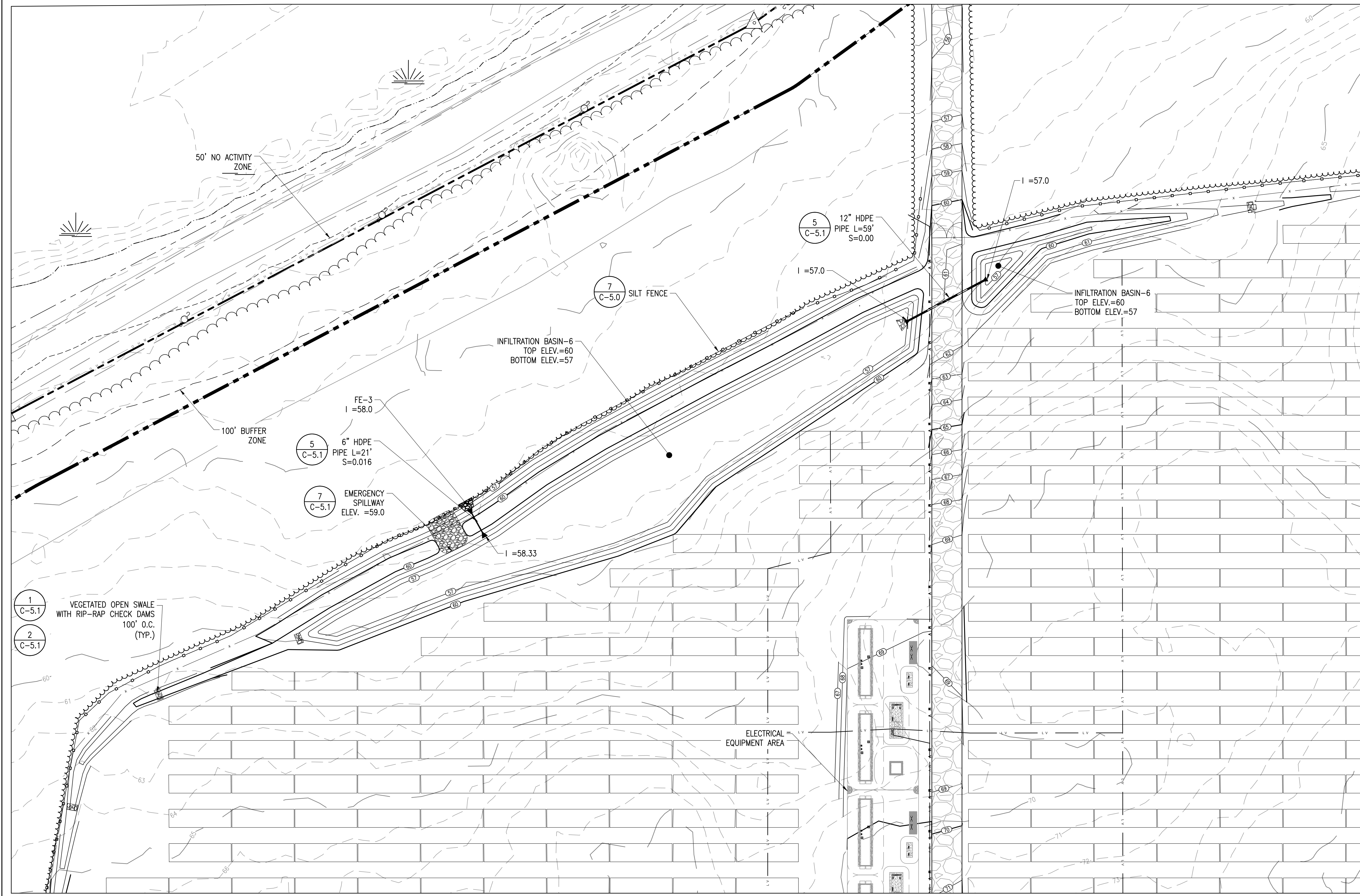
SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/08/20	WS	DTL	AW	ISSUED FOR LOCAL PERMITTING
08/14/20	WS	DTL	AW	UTILITY SUBMISSION
08/19/20	WS	DTL	AW	CREATE SIGHT LINE EXHIBIT
11/02/20	WS	DTL	AW	RESUBMISSION TO LOCAL AHJ

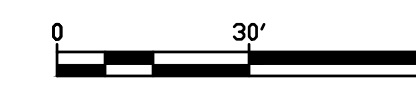
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

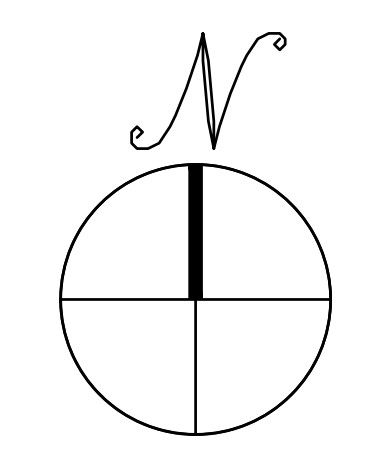
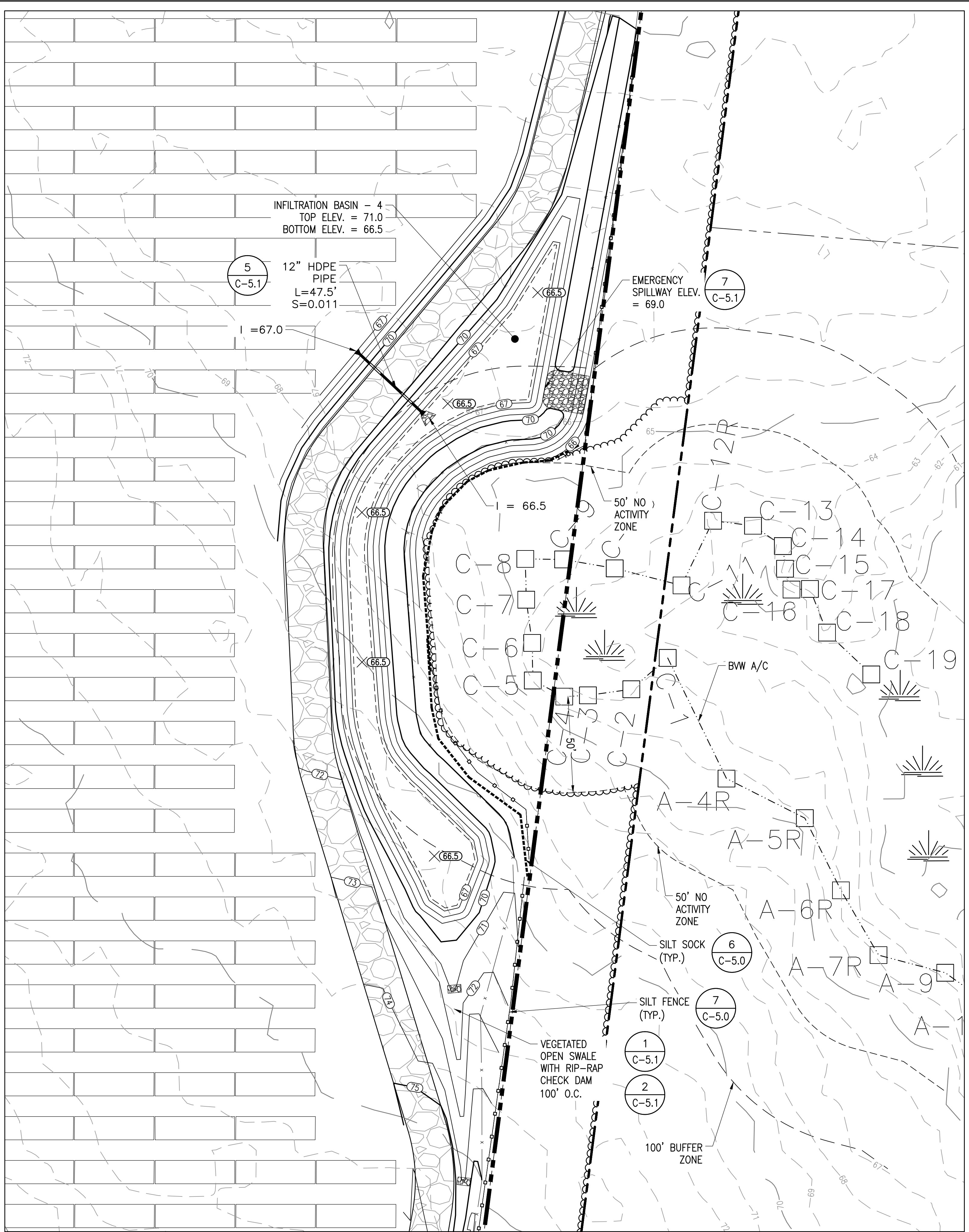
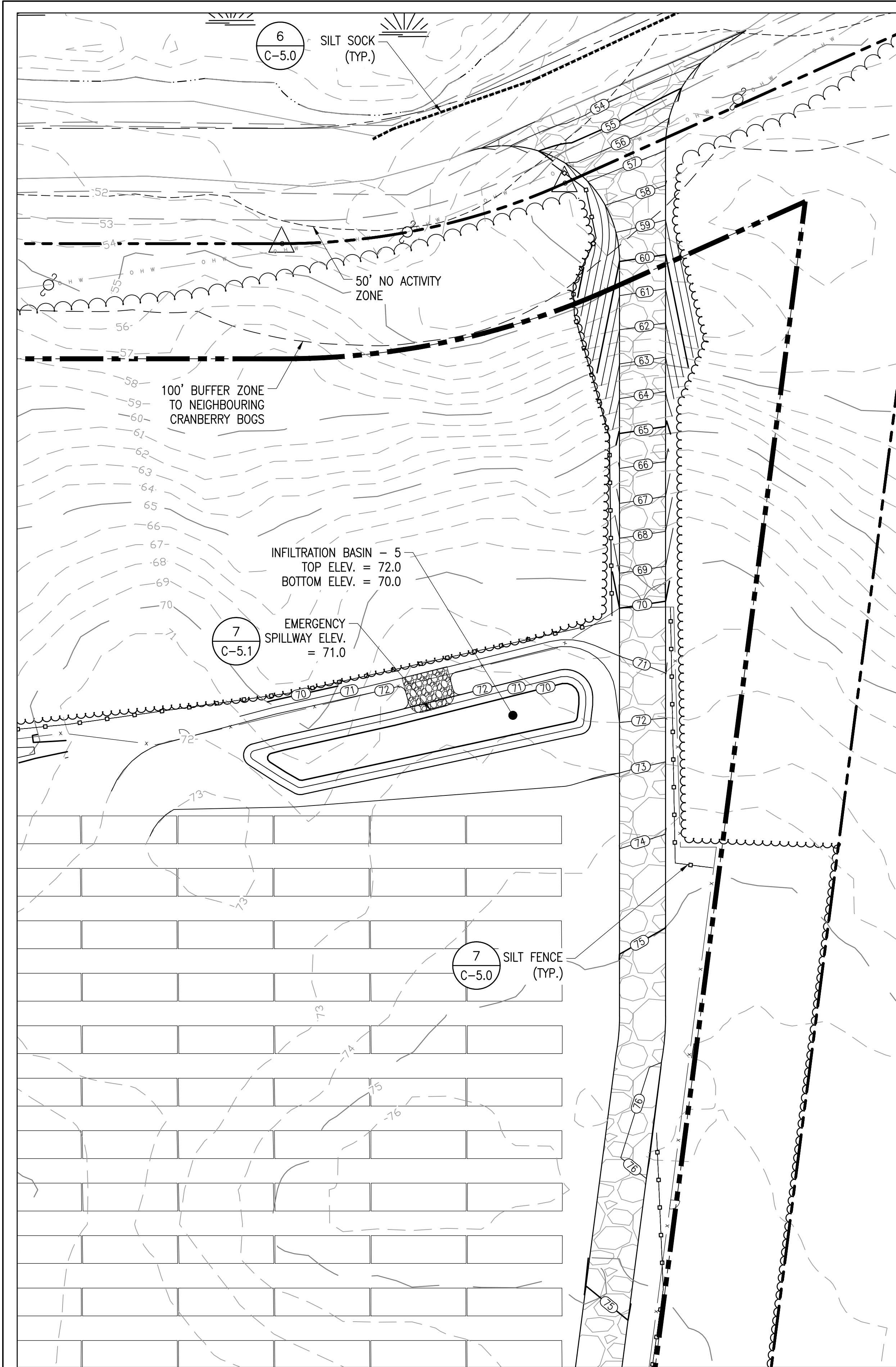
C-4.4
GRADING AND EROSION CONTROL PLAN - BASIN 6



BASIN - 6

SCALE: 1" = 30'





BASIN - 5

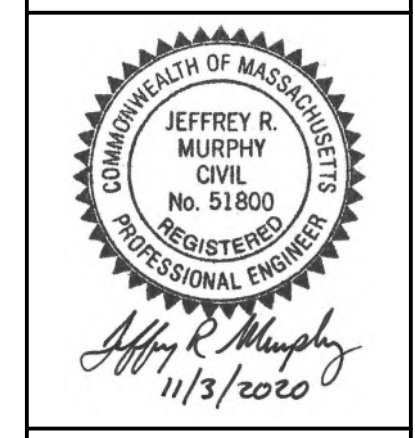
SCALE: 1" = 30'

BASIN - 4

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.



NOT FOR CONSTRUCTION



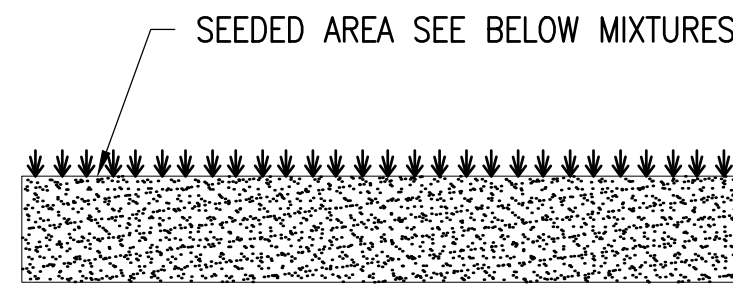
SITE USE PLANS
150 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2710

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
	08/14/20	DTL	AW	UTILITY SUBMISSION
	08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
	11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED AT 24" X 36"

C-4.5
GRADING AND EROSION CONTROL PLAN - BASIN 5, 4

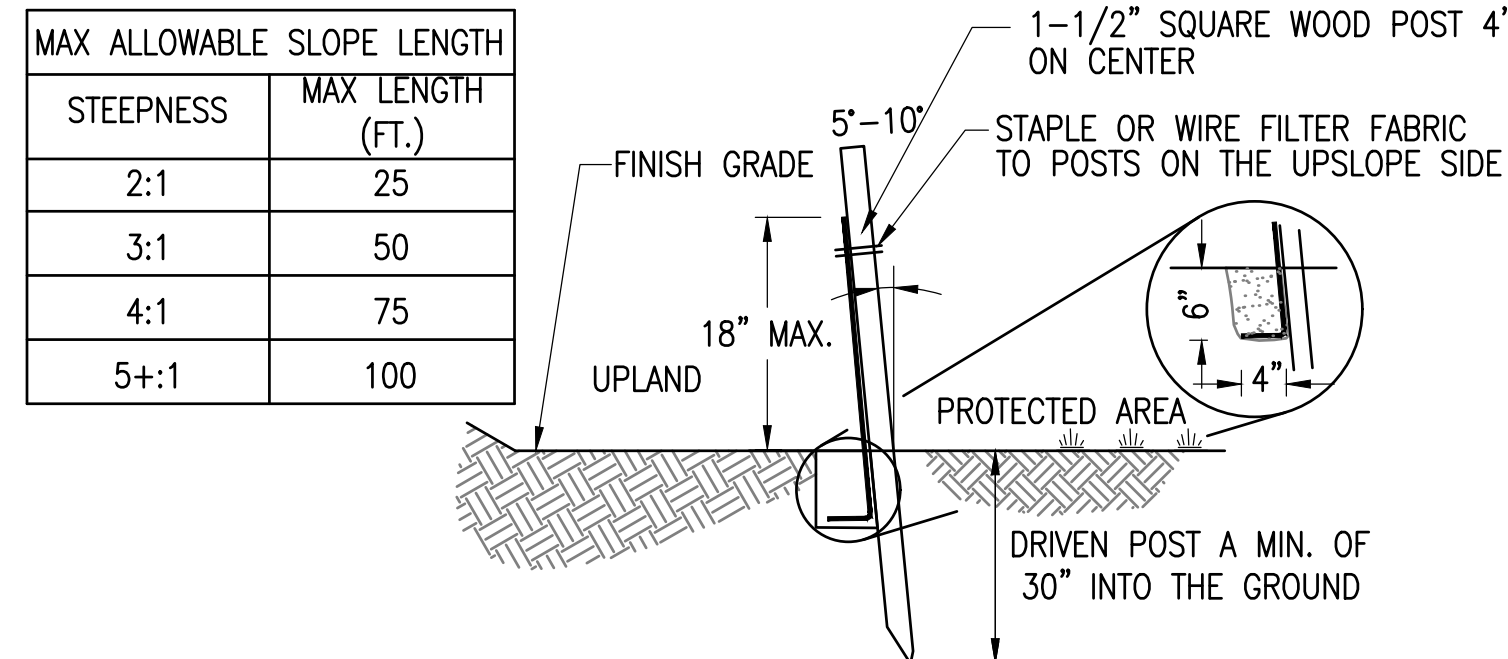


ADM SANDY MIXTURE

CONTAINS	PURE SEED	GERM	ORIGIN
HARD FESCUE*	24.64%	85.00%	OREGON
PENNLAWN CREEPING RED FESCUE	24.61%	85.00%	OREGON
BOREAL CREEPING RED FESCUE	24.51%	85.00%	CANADA
AZURE SHEEPS FESCUE	24.50%	85.00%	OREGON

OTHER CROP SEEDS: 0.16%
 INERT MATTER: 1.49%
 WEED SEEDS: 0.09%
 NOXIOUS WEED SEEDS NONE FOUND
 * VARIETY NOT STATED

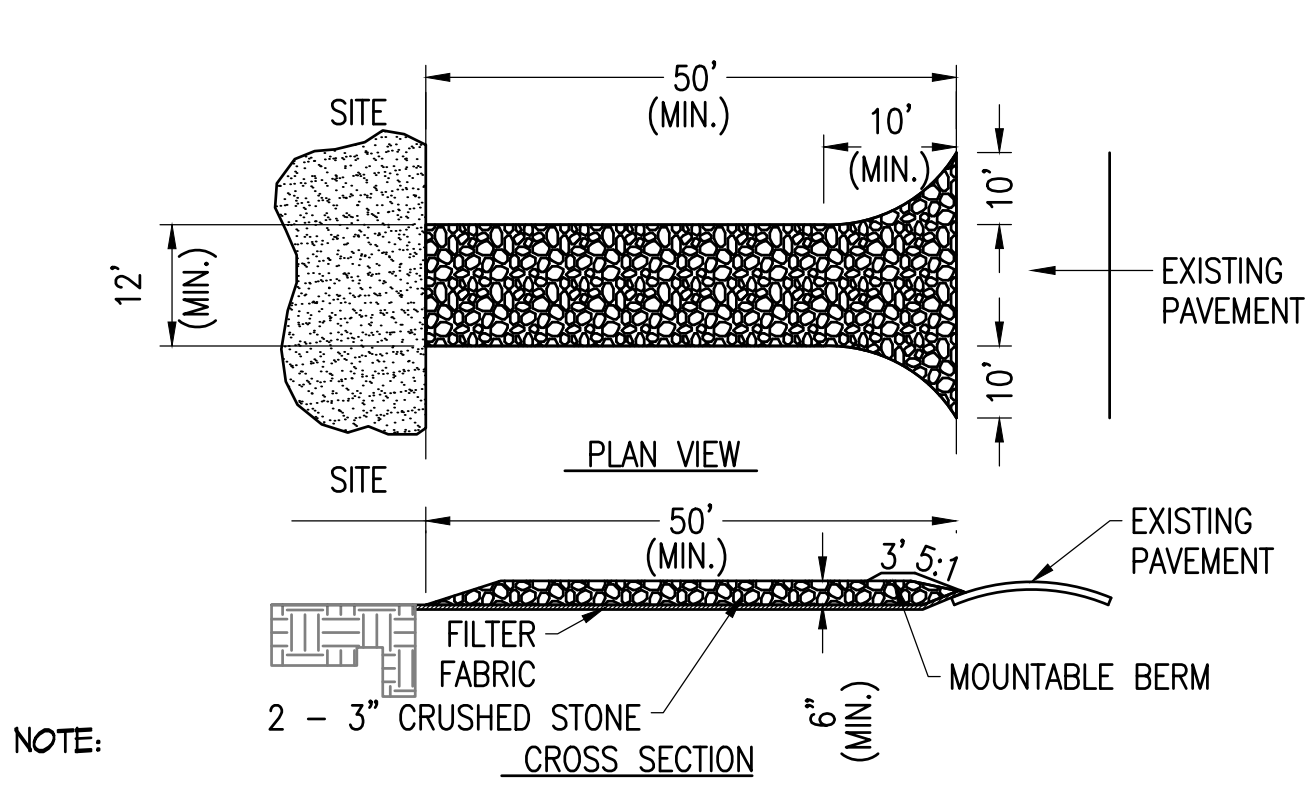
PROVIDED BY: VALLEY GREEN, 14 COPPERBEECH DR., KINGSTON, MA 02364



- NOTES:**
- MAX DRAINAGE AREA FOR OVERLAND FLOW SHALL NOT EXCEED 1/4 ACRE-FOOT PER 100 FEET OF FENCE.
 - FILTER FABRIC TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIES OR STAPLES. POST SHALL BE STEEL EITHER "T" OR "U" SHAPED OR HARDWOOD.
 - FILTER CLOTH SHALL BE FASTENED SECURELY WITH TIES SPACED EVERY 24" AT TOP AND MID-SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED. FILTER CLOTH SHALL BE FILTER X, MIRAFI 100X, STABILENKA T140N, OR APPROVED EQUAL.
 - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE.

7 SILT FENCE

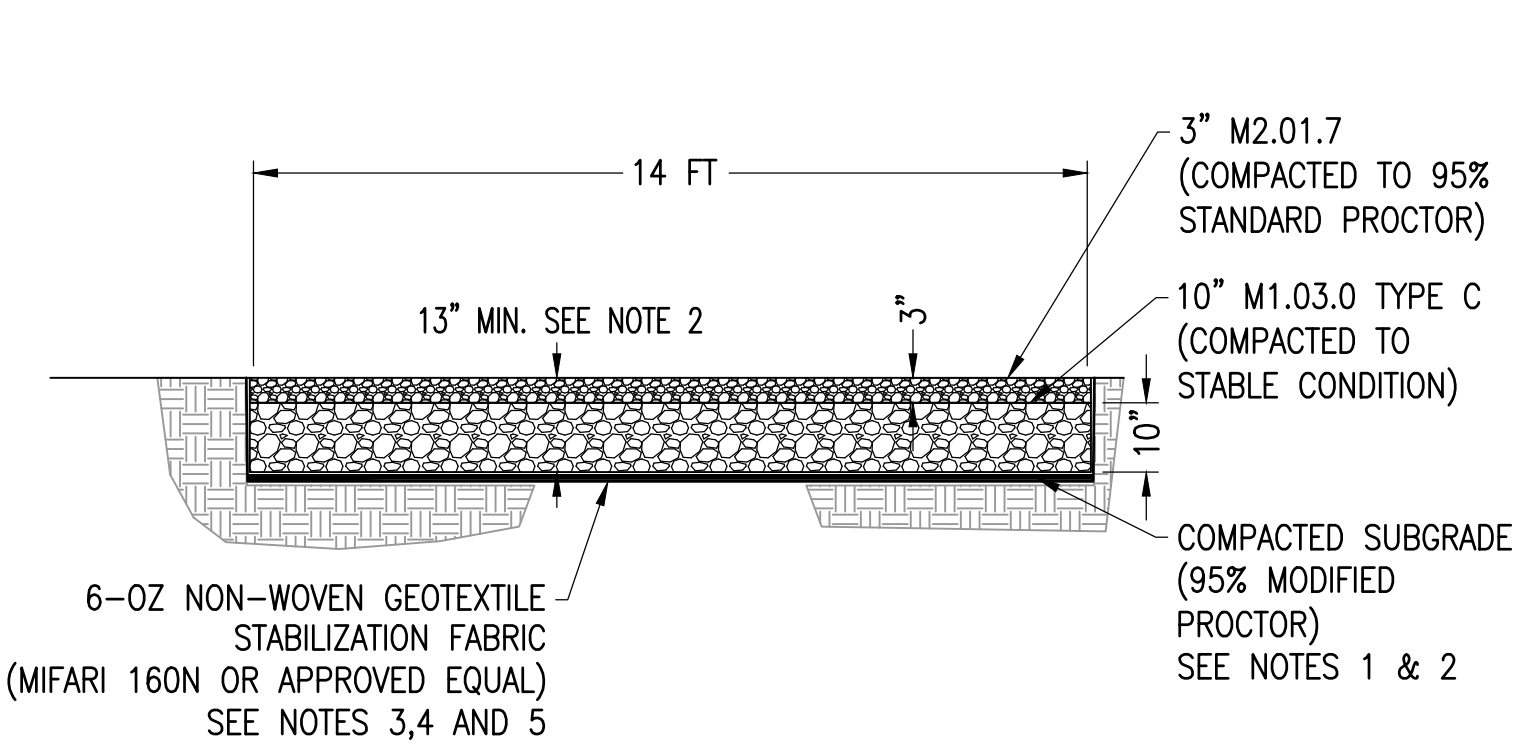
SCALE: NTS
 XD_CIVIL_EROSION_SILT_FENCE_P 2014-10-17



- NOTE:**
- ENTRANCE WIDTH SHALL BE A TWENTY-FOUR (24) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

4 STABILIZED CONSTRUCTION EXIT

SCALE: NTS
 XD_CIVIL_TEMPORARY_CONSTRUCTION_STABILIZED_CONSTRUCTION_EXIT 06-10-2016



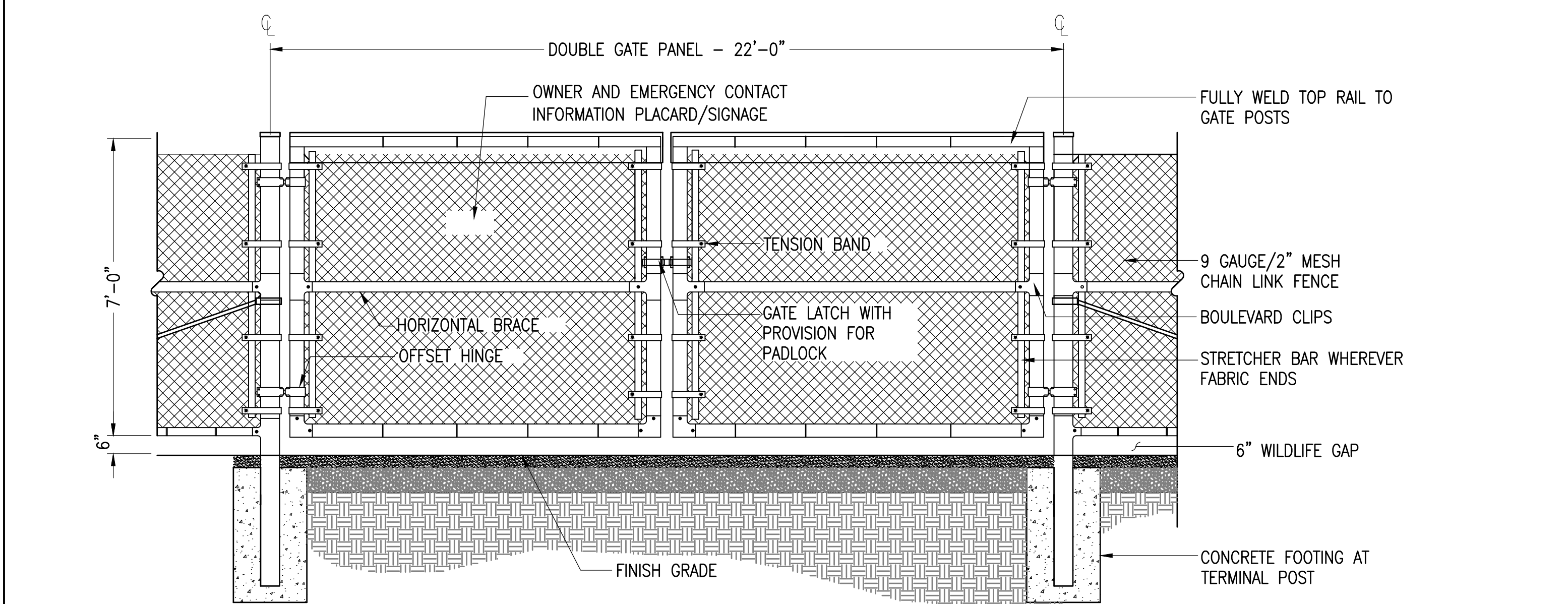
- NOTES:**
- SUBCONTRACTOR SHALL EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE.
 - SUBCONTRACTOR SHALL COMPACT SUBGRADE TO PROVIDE SUITABLE SURFACE TO PLACE ROAD. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION CRITERIA.
 - SUBCONTRACTOR SHALL FOLLOW MANUFACTURER INSTALLATION PROCEDURES.
 - WHERE OVERLAPPING OF GEOTEXTILE FABRIC IS REQUIRED, SUBCONTRACTOR SHALL OVERLAP A MINIMUM OF 24".
 - SUBCONTRACTOR SHALL REMOVE TEMPORARY CONSTRUCTION ACCESS ROADS, AND RESTORE TO PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CEOR AND THE GOVERNING AGENCIES.
 - SUBCONTRACTOR SHALL INSTALL CONDUITS FOR ALL ELECTRICAL CONDUIT CROSSINGS PRIOR TO INSTALLATION OF THE GEOGRID MATERIAL. THE GEOGRID SHALL NOT BE HORIZONTALLY CUT ONCE INSTALLED.

1 GRAVEL ACCESS ROAD

SCALE: NTS
 XD_CIVIL_GRAVEL_ROAD_MA 09-28-2020

10 SEED DETAIL

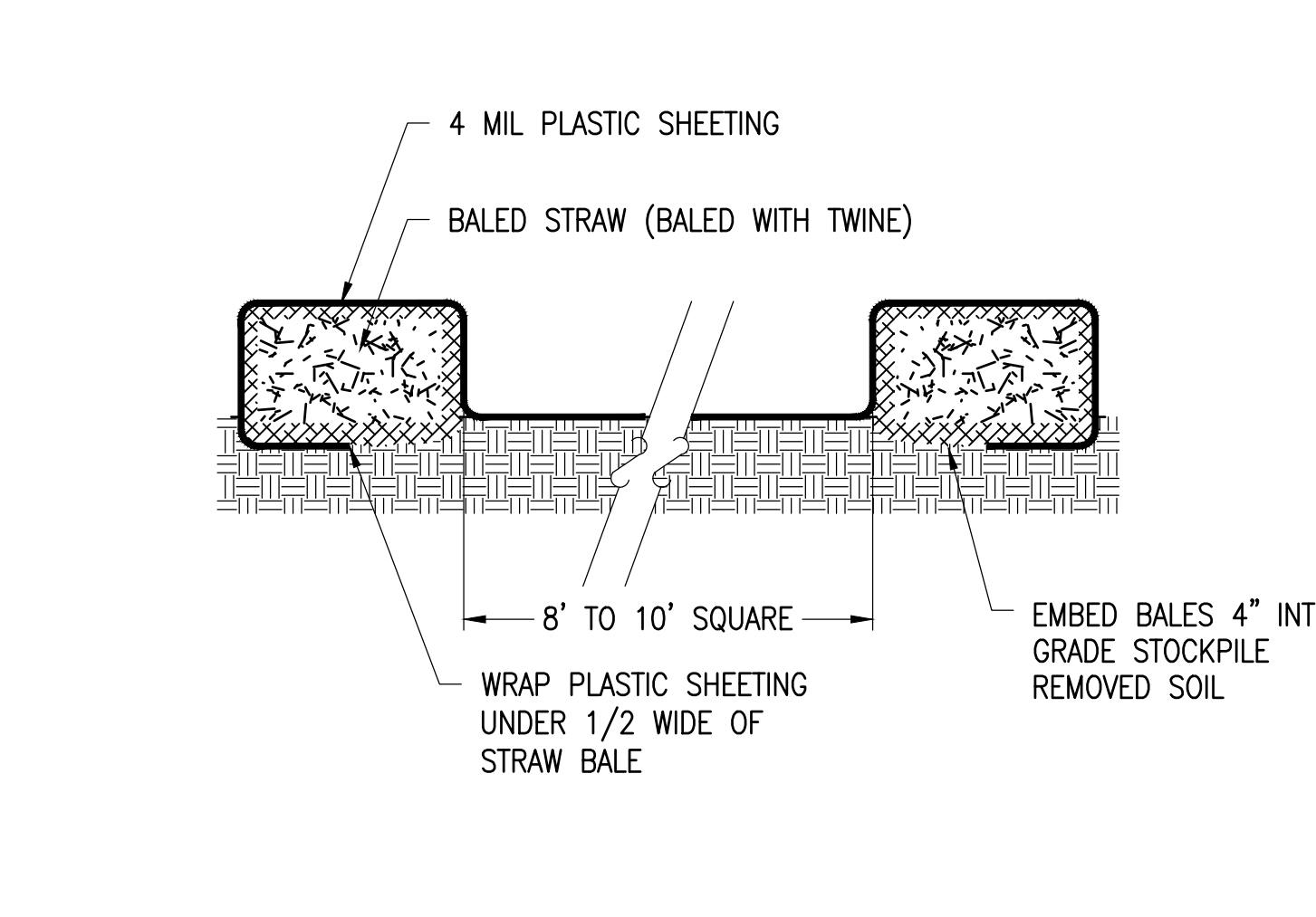
SCALE: NTS



- NOTE:**
- FENCE GATE SHALL BE EQUIPPED WITH FIRE DEPARTMENT KNOX BOX FOR EMERGENCY ACCESS.

8 VEHICLE GATE - WILDLIFE GAP

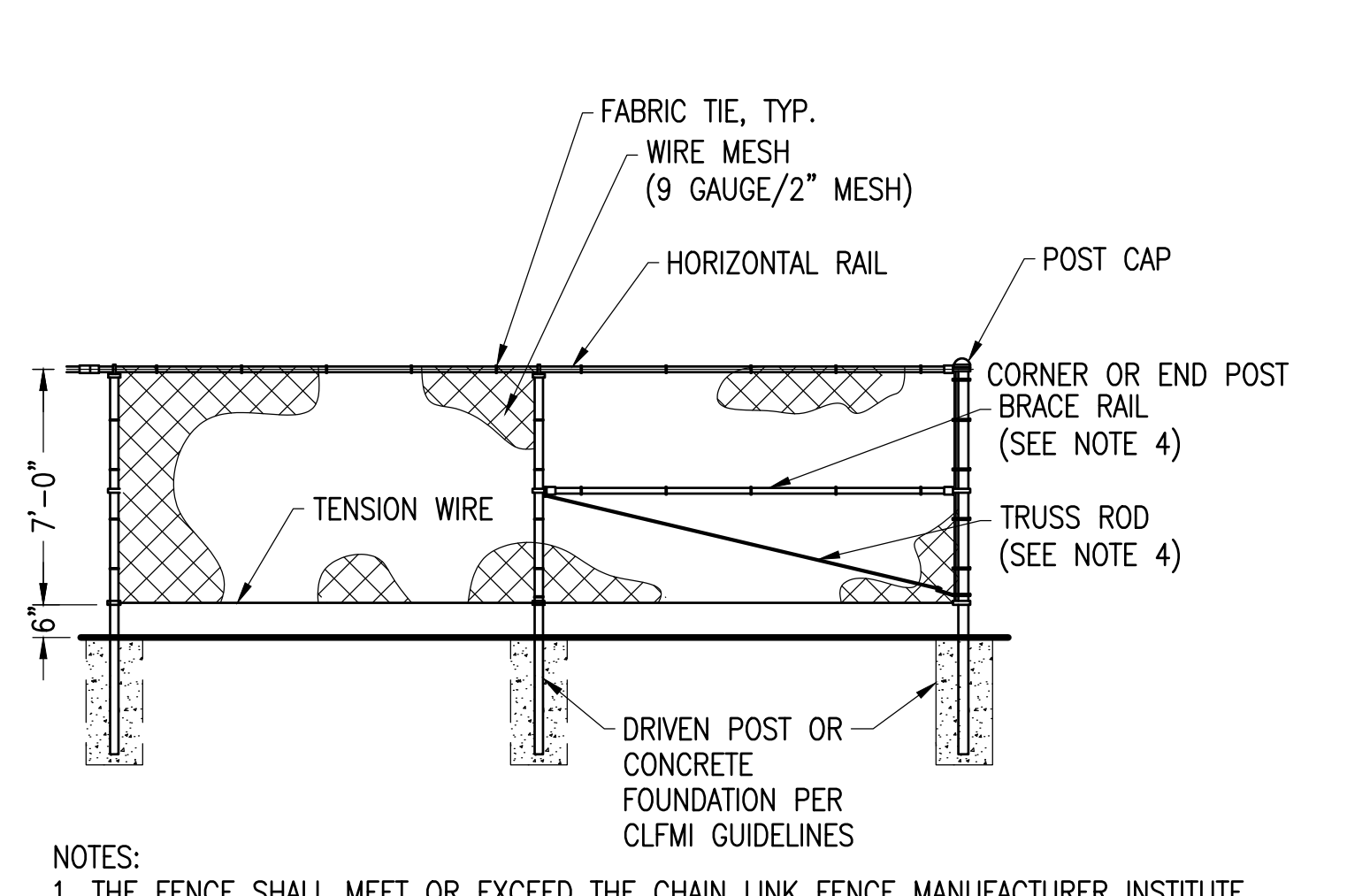
SCALE: NTS
 XD_CIVIL_FENCE_VEHICLE_GATE_Y 10-23-2018



- NOTE:** PLASTIC SHEETING SHALL BE FREE OF TEARS OR HOLES. AFTER BASIN IS USED, WASHWATER FROM WASHOUT BASIN SHALL EVAPORATE OR BE VACUUMED OUT. REMOVE REMAINING HARDENED SOLIDS. REPLACE PLASTIC SHEETING AND STRAWBALES AS REQUIRED.

5 CONCRETE WASHOUT BASINS

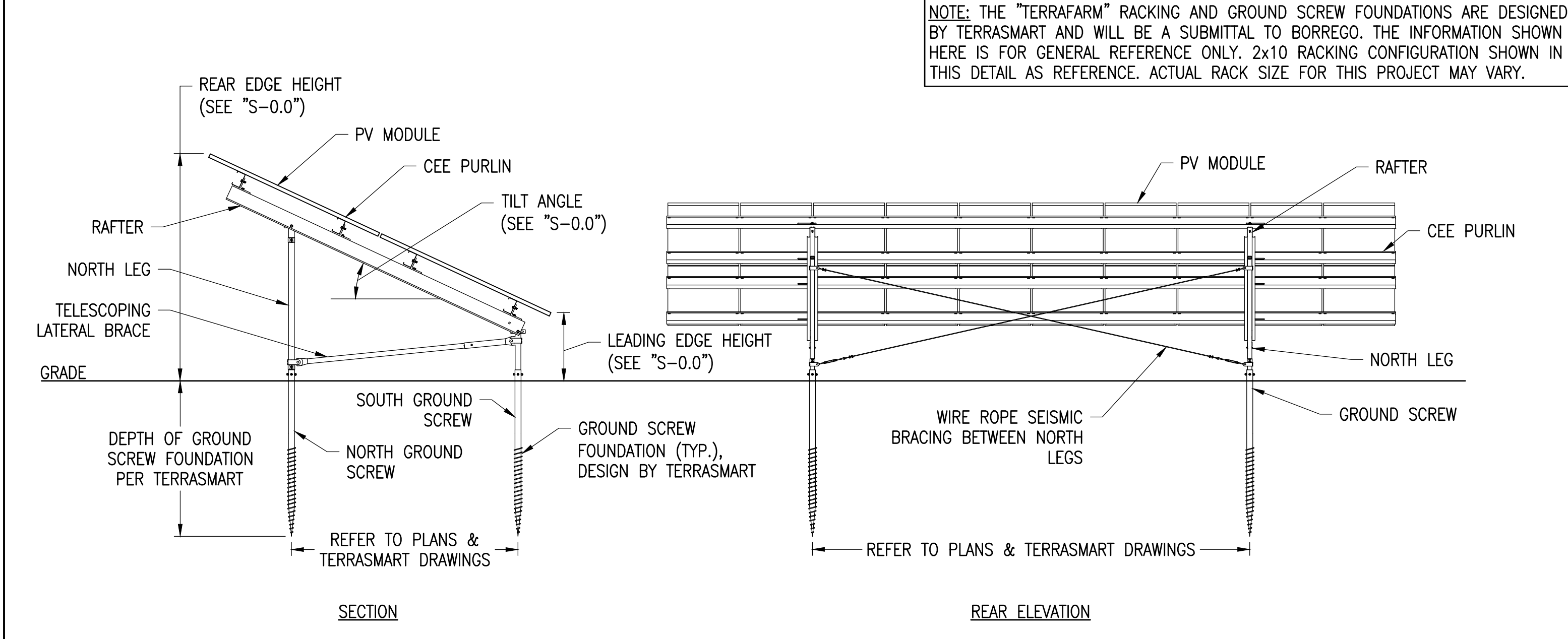
SCALE: NTS
 XD_CIVIL_CONCRETE_WASHOUT_BASINS 07-24-2017



- NOTES:**
- THE FENCE SHALL MEET OR EXCEED THE CHAIN LINK FENCE MANUFACTURER INSTITUTE (CLFMI) GUIDELINES AND RELATED FEDERAL SPECIFICATIONS FOR SECURITY CHAIN LINK FENCE MATERIALS AND INSTALLATION.
 - FENCE MATERIAL AND COMPONENTS SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
 - THIS DETAIL NOT APPLICABLE FOR PRIVACY FENCE OR FENCE WITH SLATS.
 - ADJUSTABLE TRUSS ROD AND BRACE RAIL AT CORNER OR END POSTS ONLY, IF REQUIRED BY CLFMI GUIDELINES.

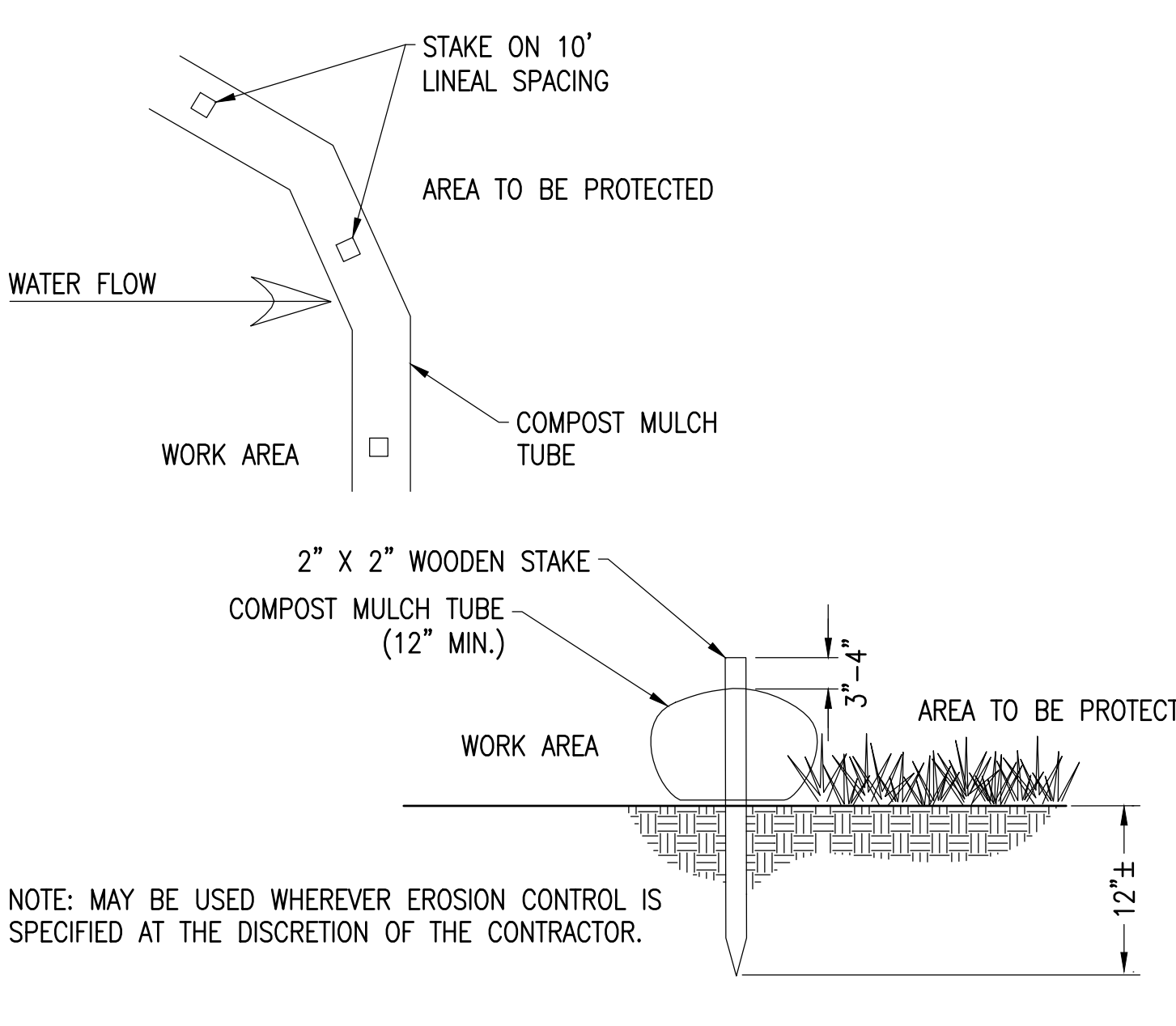
2 CHAIN LINK FENCE - WILDLIFE GAP

SCALE: NTS
 XD_CIVIL_FENCE_7_CHAIN_LINK_WILDLIFE_GAP 06-27-2016



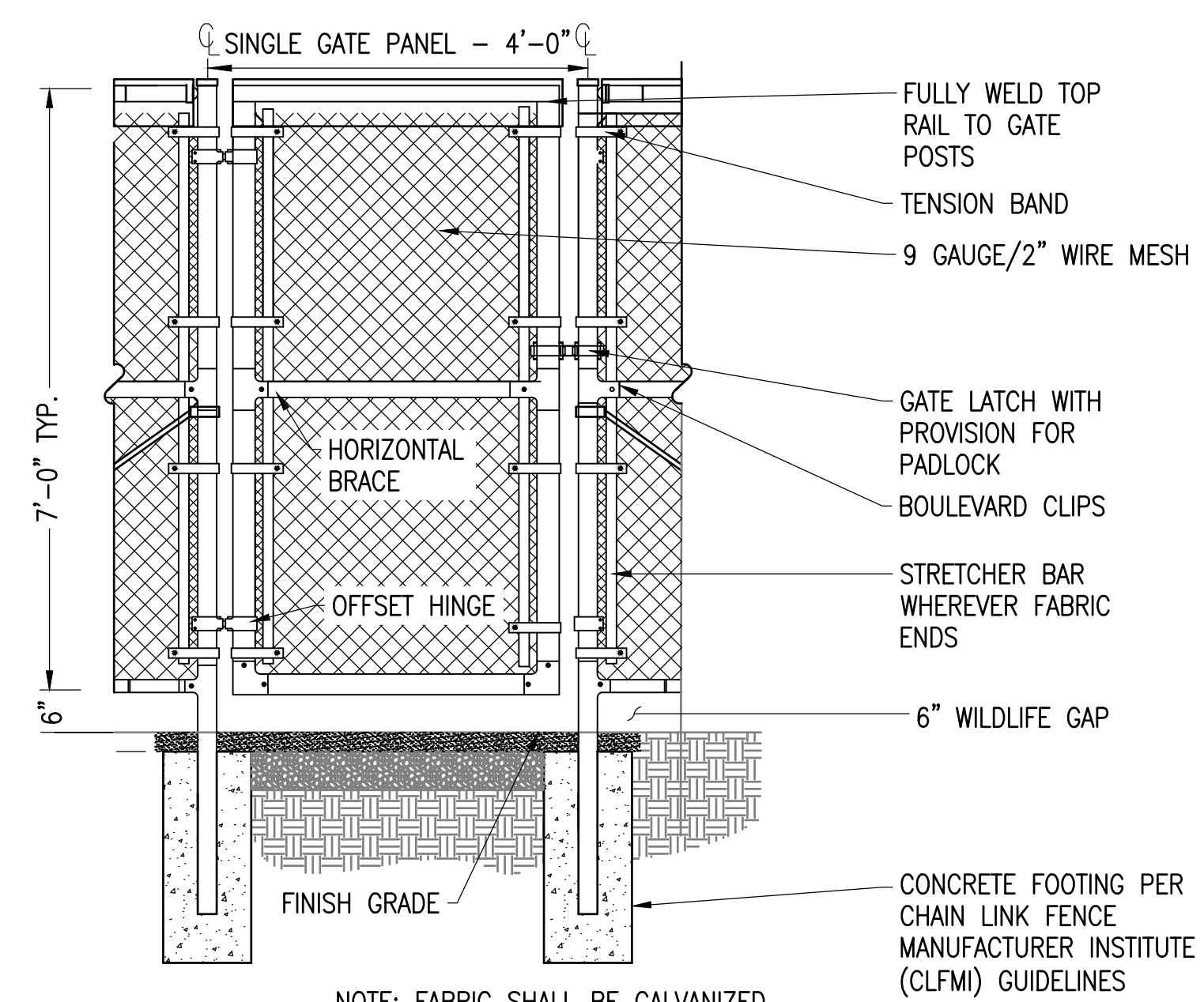
9 TYPICAL RACK SECTION & REAR ELEVATION

SCALE: NTS
 XD_STRUCT_TERRASART_TF2P_RACK_SECT & REAR_ELEV 2017-12-04



6 MULCH TUBE

SCALE: NTS
 XD_CIVIL_FILTER_FILTREX SOCK 03-29-2016



3 4' MAN GATE - WILDLIFE GAP

SCALE: NTS
 XD_CIVIL_SITE_CONSTRUCTION_4' WALK_THROUGH_GATE 07-25-2017

THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.

55 TECHNOLOGY DRIVE, SUITE 102
 LOWELL, MA 01851
 PHONE: (888) 808-6273
 FAX: (888) 843-6778
 WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

Jeffrey R. Murphy
 11/3/2020

SITE USE PLANS
 150 THONET ROAD
 WAREHAM, MA 02571

PROJECT NUMBER: 905-2710

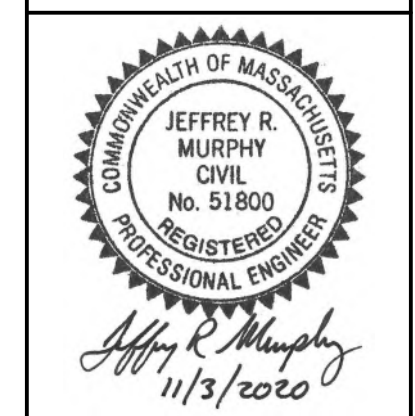
DATE	DRAWN	CHECKED	RELEASE LEVEL
06/08/20	WS	DS	ISSUED FOR LOCAL PERMITTING
08/14/20	DTL	AW	UTILITY SUBMISSION
08/19/20	WS	DS	CREATE SIGHT LINE EXHIBIT
11/02/20	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALE: NTS
 XD_CIVIL_SITE_CONSTRUCTION_4' WALK_THROUGH_GATE 07-25-2017

SCALE: NTS
 XD_CIVIL_SITE_CONSTRUCTION_4' WALK_THROUGH_GATE 07-25-2017

C-5.0
 CIVIL DETAILS

NOT FOR CONSTRUCTION



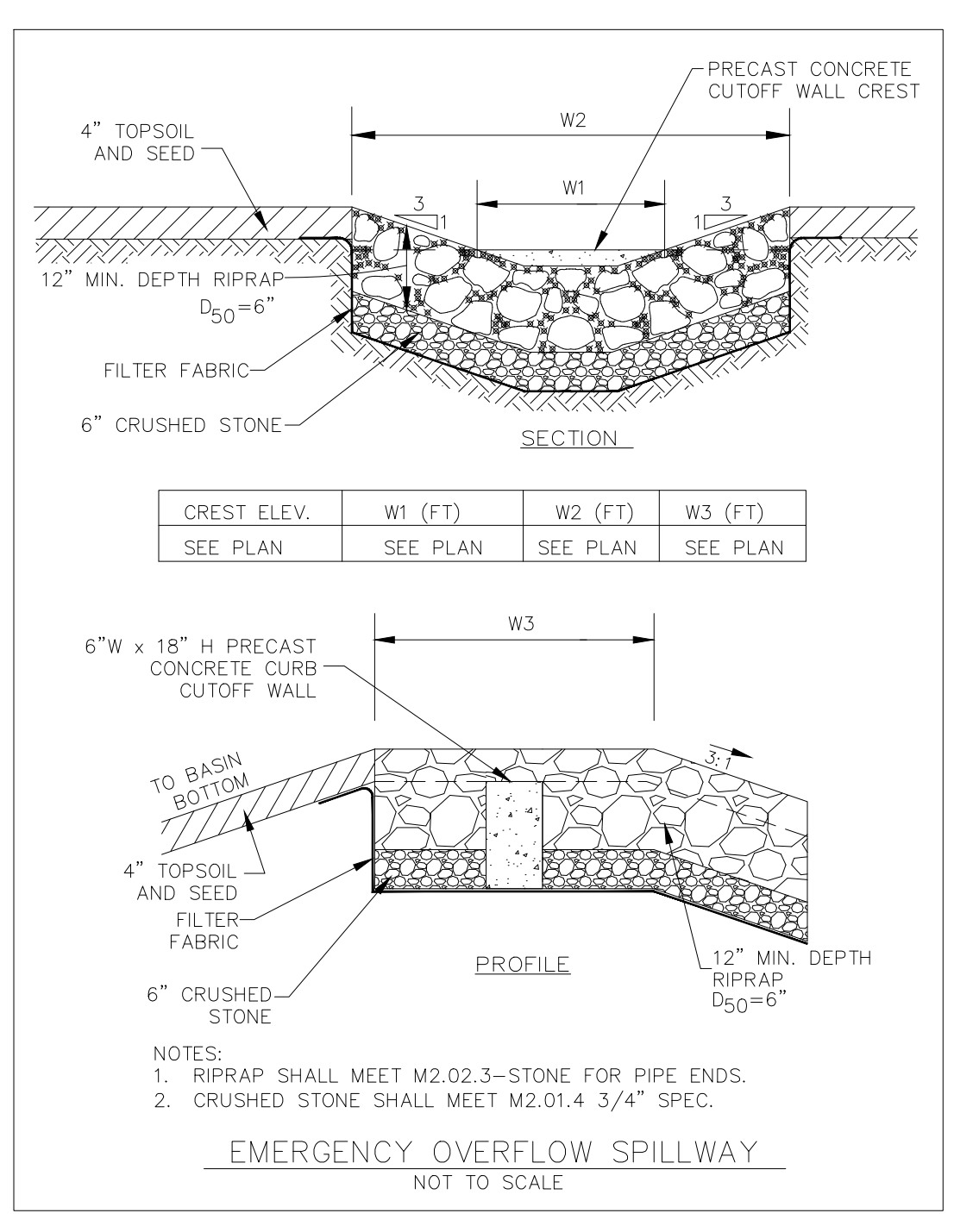
SITE USE PLANS
 150 THONET ROAD
 WAREHAM, MA 02571

PROJECT NUMBER:
 905-2710

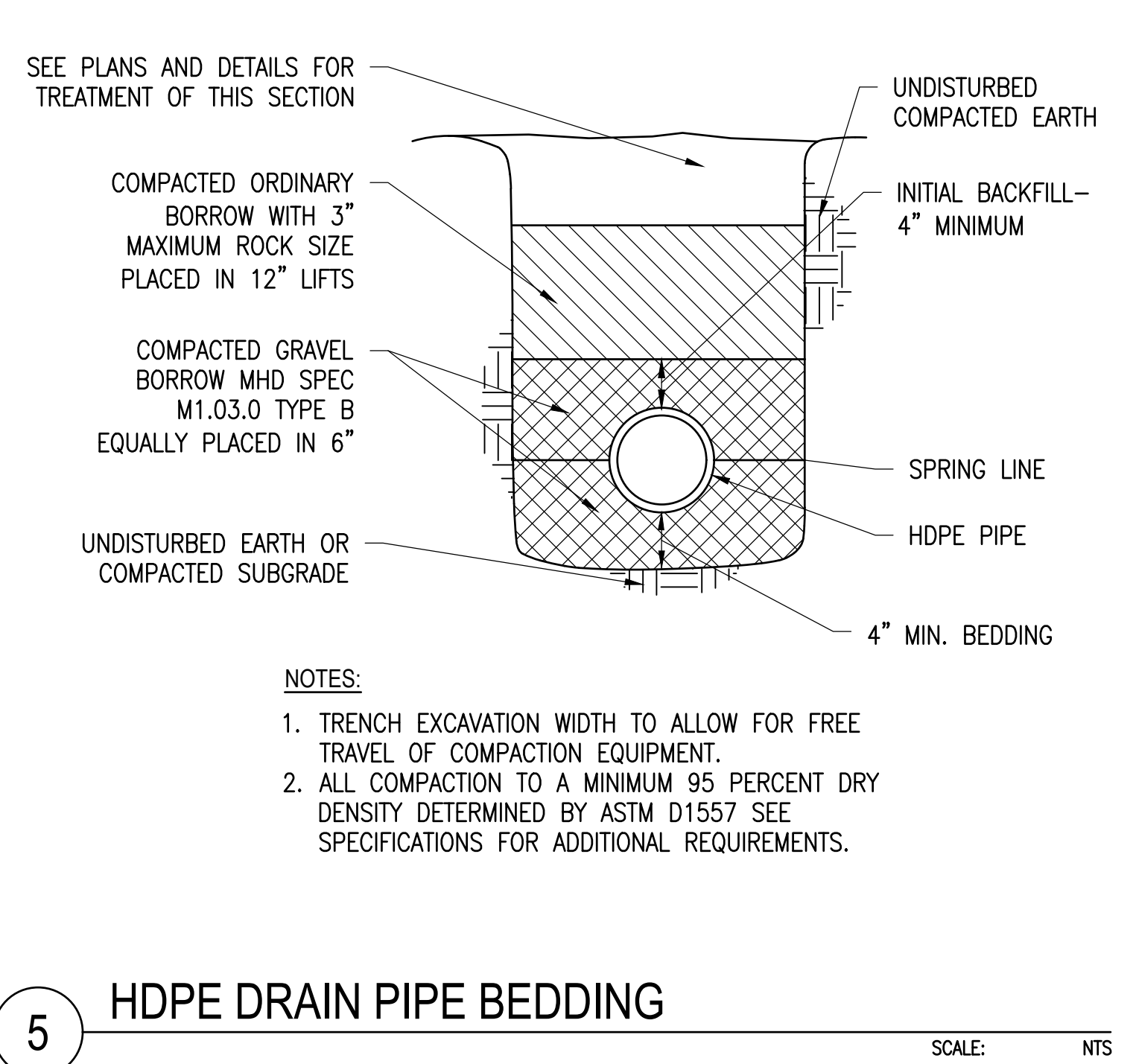
REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/08/20	WS	DTL	AW	ISSUED FOR LOCAL PERMITTING
08/14/20	WS	DTL	AW	UTILITY SUBMISSION
08/19/20	WS	WS	DS	CREATE SIGHT LINE EXHIBIT
11/02/20	WS	WS	DS	RESUBMISSION TO LOCAL AHJ

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" x 36"

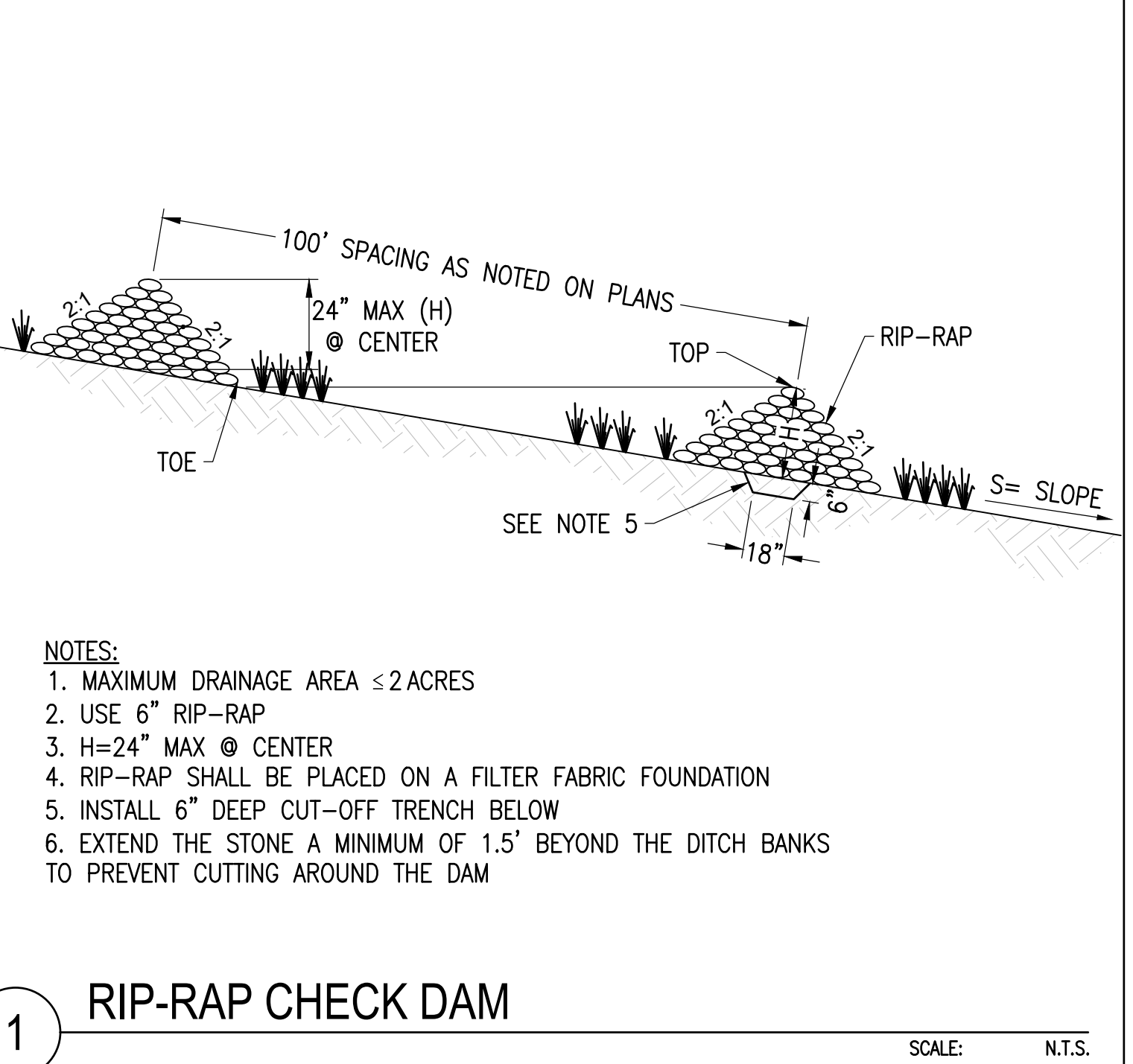
C-5.1
 CIVIL DETAILS



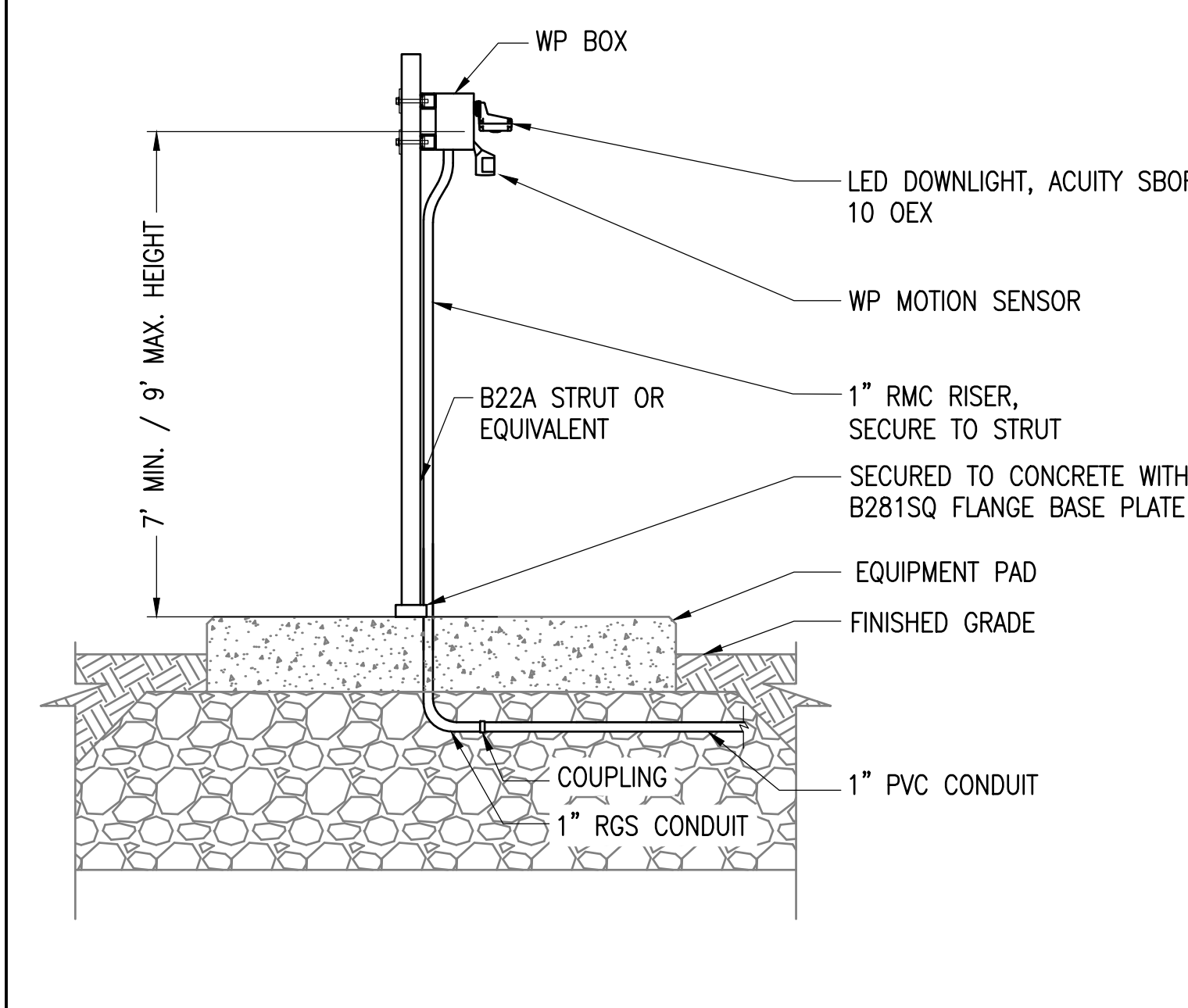
7



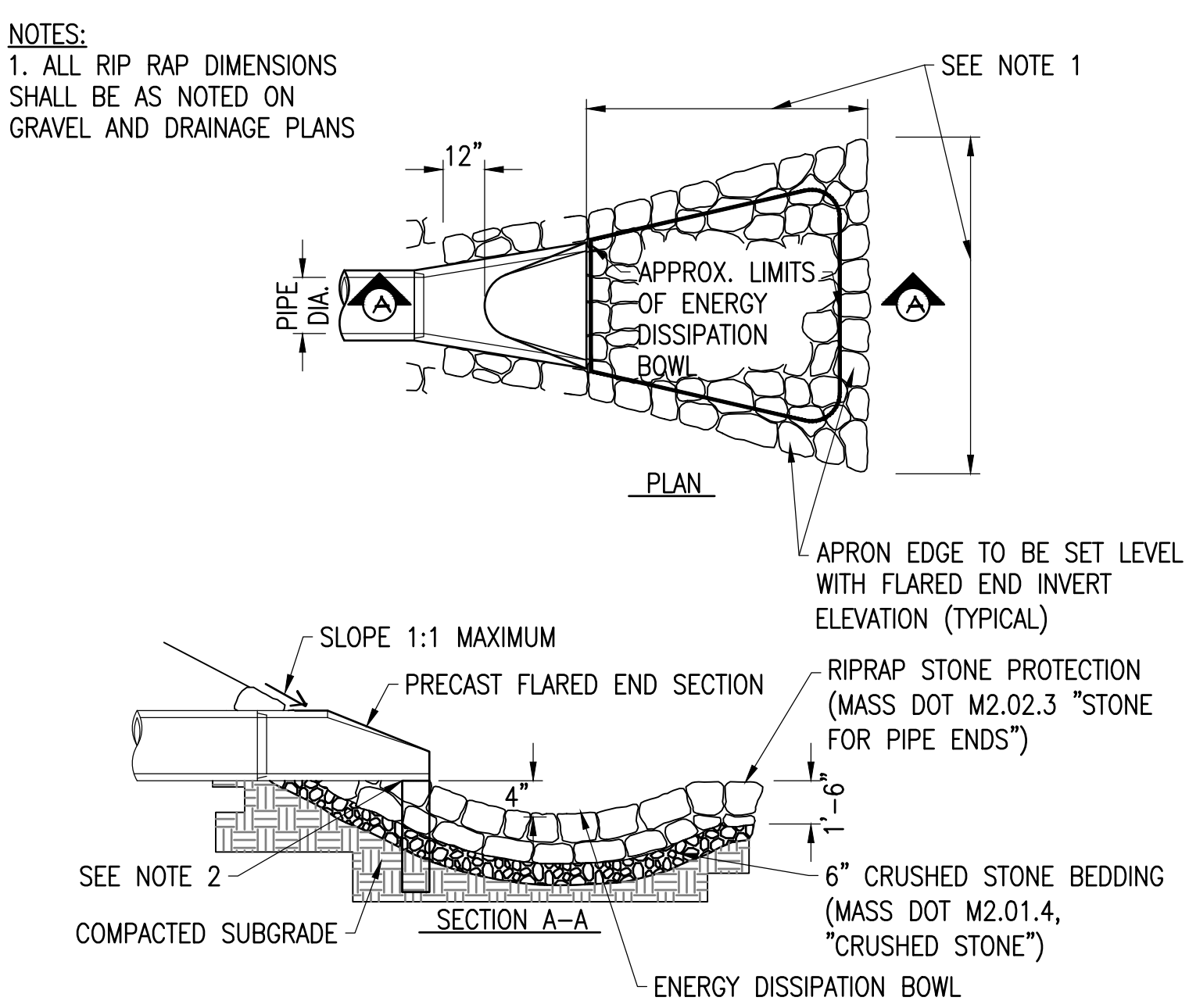
5 HDPE DRAIN PIPE BEDDING
 SCALE: NTS
 XD_CIVIL_D_HDPE DRAIN PIPE BEDDING 06-28-2016



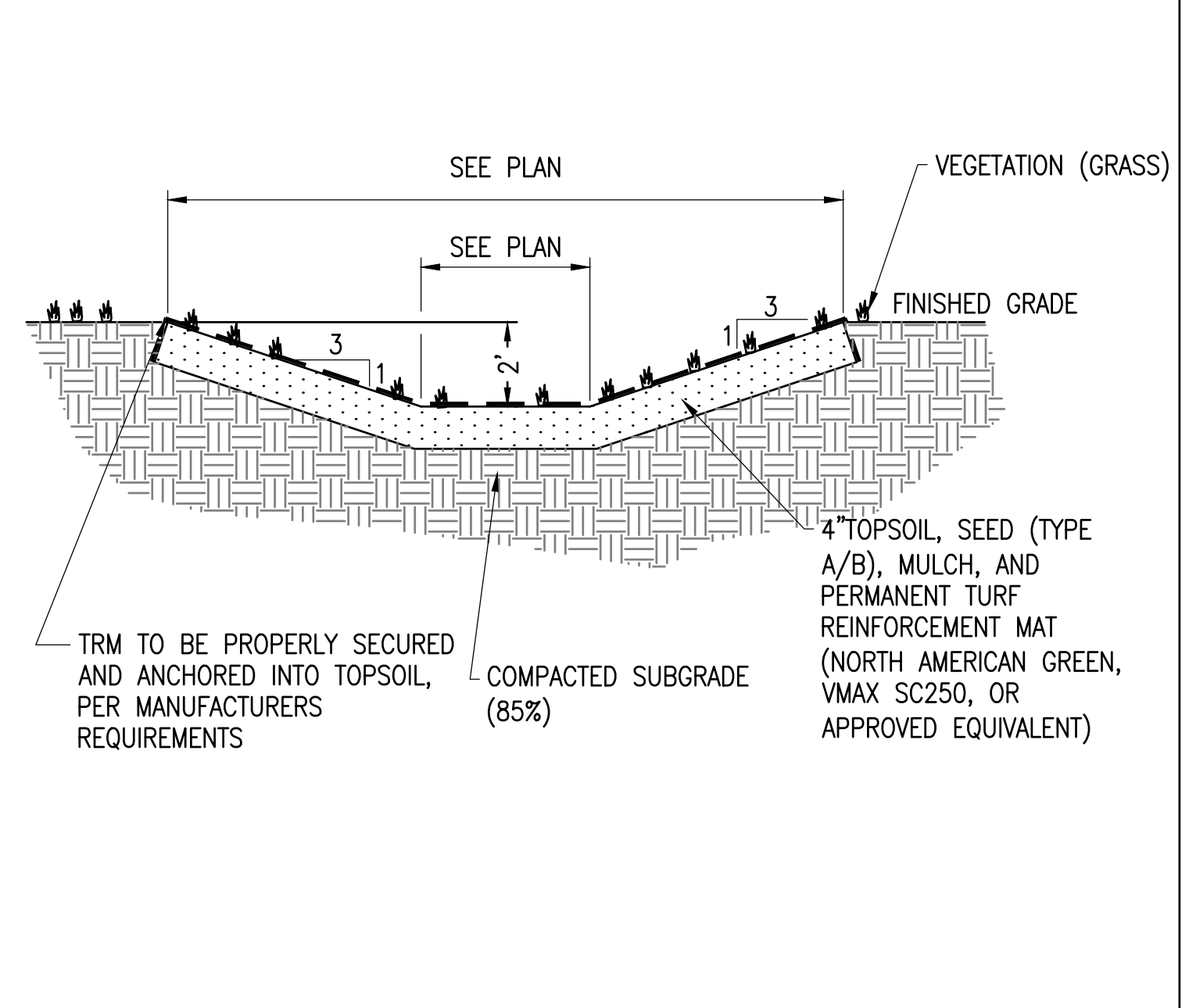
1 RIP-RAP CHECK DAM
 SCALE: N.T.S.
 XD_CIVIL_CHECK DAM 08-15-2016



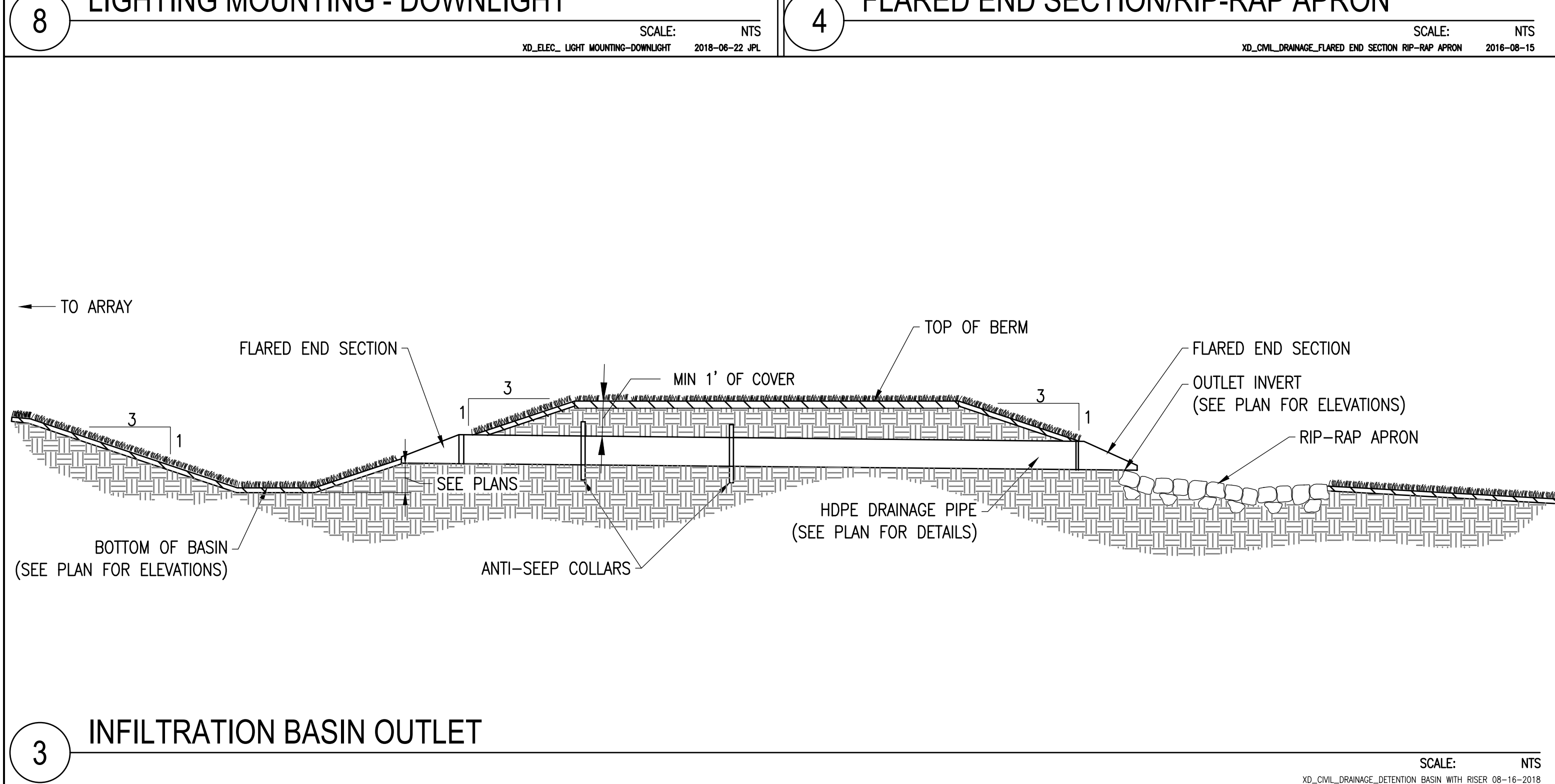
8 LIGHTING MOUNTING - DOWNLIGHT
 SCALE: NTS
 XD_ELEC_LIGHT MOUNTING-DOWNLIGHT 2019-06-22 JPL



4 FLARED END SECTION/RIP-RAP APRON
 SCALE: NTS
 XD_CIVIL_DRAINAGE_FLARED END SECTION RIP-RAP APRON 2016-06-15



2 VEGETATED OPEN SWALE
 SCALE: NTS
 XD_CIVIL_DRAINAGE_ROCK-LINED_SWALE 06-27-2016



3 INFILTRATION BASIN OUTLET
 SCALE: NTS
 XD_CIVIL_DRAINAGE_DETENTION BASIN WITH RISER 08-16-2018