

March 5, 2021

Mr. George Barrett, Chair
Wareham Planning Board
c/o Mr. Kenneth Buckland, Town Planner
54 Marion Road
Wareham, Massachusetts 02571

Via: Email to kbuckland@wareham.ma.us and sraposo@wareham.ma.us

Reference: Response to Peer Review Comments
Application for Site Plan Review, Case #8-20
140 Tihonet Road PV+ES Project
Wareham, Massachusetts
B+T Project No. 1833.112

Dear Planning Board Members:

On behalf of the Applicant, Borrego Solar Systems, Inc. (BSSI), Beals and Thomas, Inc. (B+T) respectfully submits the enclosed decommissioning plan and revised plans for the above-referenced project in response to peer review comments by Charles L. Rowley, PE, PLS in a letter dated February 16, 2021.

In response to Mr. Rowley's comments the plans were revised as follows:

- Solar panels have been removed from Basin 6
- Clearer access has been provided to Basin 1
- Notes were clarified regarding loaming and seeding
- Recommended construction sequence notes have been added

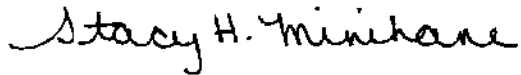
We have received a letter dated March 5, 2021 indicating that no further plan revisions are necessary. Therefore, enclosed are eight hard copies of this letter with full size plans (a copy was previously provided to Mr. Rowley). Separate copies of the letter and plans have been submitted directly to Wareham Fire and the Conservation Commission.

Mr. George Barrett, Chair
Wareham Planning Board
March 5, 2021
Page 2

We trust that the information provided herein satisfies the comments on the Project. Please do not hesitate to contact us should you have any questions.

Very truly yours,

BEALS AND THOMAS, INC.



Stacy H. Minihane, PWS
Senior Associate

Enclosures: Decommissioning Estimate dated February 19, 2021
Revised Plans dated February 19, 2021 in 15 sheets

cc: Wareham Conservation Commission (via email to: dpichette@wareham.ma.us and 2 hard copies via FedEx)
Wareham Fire Department (via Certified Mail)
MassDEP Southeast Regional Office (via email: SERO_NOI@mass.gov)
Borrego Solar Systems, Inc. (via email)
A.D. Makepeace Company, James Kane (email and hard copy via US Mail with reduced plans)
Charles L. Rowley PE, PLS (via email to: crsr63@verizon.net, hard copy of letter only)

SHM/aak/1833112LT008



Decommissioning Estimate

Date: 02/19/21

140 Tihonet Road
Wareham, MA

This Decommissioning Estimate has been prepared by Borrego Solar in an attempt to predict the cost associated with the removal of the proposed solar facility. Key assumptions used include the fact that the fencing, electrical cabinetry, solar racks, solar panels, wiring and all other equipment are all one hundred percent recyclable, therefore, the primary cost of decommissioning is the labor to dismantle and load as well as the cost of trucking. No salvage values have been assumed in these calculations. The concrete pads will be broken up at the site and hauled to the nearest transfer station where it will be accepted without a charge.

The following values were used in this Decommissioning Estimate:

System Specifications

Number of Modules	47,544
Number of Racks	1,981
Number of Inverters	5
Number of Transformers	10
Electrical Wiring Length (ft)	9,920
Number of Foundation Screws	7,924
Length of Perimeter Fence (ft)	7,369
Number of Power Poles	10
Access Rd Material Volume (YD)	4,652
Total Disturbed Area (SF)	1,122,661
Total Fence Weight (lbs)	5,232
Total Racking Weight (lbs)	1,683,850
Total Foundation Screw Weight (lbs)	316,960

Equipment & Material Removal Rates

Module Removal Rate (min/module)	1
Rack Wiring Rem. Rate (min/mod)	0.5
Racking Dismantling Rate (min/rack)	30
Inverter Removal Rate (units/hr)	1
Transformer Removal Rate (units/hr)	0.5
Rack Loading Rate (min/Rack)	15
Elect. Wiring Removal Rate (min/LF)	0.5
Screw Rem. Rate (screws/day)	500
Fence Removal Rate (min/LF)	0.5
Days req. to break up concrete pads	6
Days req. with Rough Grader	13
Days req. with Fine Grader	26
Total Truckloads Required	124
Round-Trip Dist. to Trans. Sta.(miles)	56
Round-Trip Time to Trans. Sta. (hr)	1

Labor and Equipment Costs

Labor Rate (\$/hr)	\$	25.00
Bobcat Cost (\$/hr)	\$	50.00
Front End Loader Cost (\$/Day)	\$	1,000.00
Excavator Cost (\$/Day)	\$	1,000.00
Trucking Cost (\$/hr)	\$	120.00
Backhoe Cost (\$/hr)	\$	245.00
Power Pole Removal Cost (\$/pole)	\$	1,500.00
Grader Cost (\$/day)	\$	1,800.00
Gravel Export Cost (\$/YD)	\$	10.00
Loam Import Cost (\$/YD)	\$	25.00
Seeding Cost (\$/SF)	\$	0.08
Fuel Cost (\$/mile)	\$	0.25

Energy Storage Decommissioning

Number of Energy Storage Units	5
Battery Disposal Fee	\$ 2,000.00
Battery Loading Prep Time (hr)	32
Battery Loading Time (hr)	8



Labor, Material, and Equipment Costs

1. Remove Modules

The solar modules are fastened to racking with clamps. They slide in a track. A laborer needs only unclamp the module and reach over and slide the module out of the track.

$$\text{Module Removal Rate} \cdot \text{Total Number of Solar Modules} \cdot \text{Labor Rate} = \text{Module Removal Cost}$$

$$\text{Total} = \$ 19,810.00$$

2. Remove Rack Wiring

The modules are plugged together in the same manner as an electrical cord from a light is plugged into a wall socket. The string wires are in a tray. A laborer needs only unplug the module, reach into the tray and remove the strands of wire.

$$\text{Wire Removal Rate} \cdot \text{Total Number of Solar Modules} \cdot \text{Labor Rate} = \text{Rack Wiring Removal Cost}$$

$$\text{Total} = \$ 9,905.00$$

3. Dismantle Racks

The racking is supported by screw foundations. The racking will be disconnected from the foundation and removed separately.

$$\text{Number of Racks} \cdot \text{Rack Dismantling Rate} \cdot \text{Labor Rate} = \text{Rack Dismantling Cost}$$

$$\text{Total} = \$ 24,762.50$$

4. Remove and Load Electrical Equipment

Electrical equipment includes transformers and inverters.

$$(\text{Number of Inverters} \cdot \text{Inverter Removal Rate} + \text{Number of Transformers} \cdot \text{Transformer Removal Rate}) \cdot (\text{Labor Rate} + \text{Bobcat Cost}) = \text{Electrical Equipment Removal Cost}$$

$$\text{Total} = \$ 750.00$$

5. Break Up Concrete Pads

Concrete pads are broken up using an excavator and jackhammer.

$$\text{Number of Demolition Days} \cdot (\text{Excavator Cost} + \text{Labor Cost}) = \text{Total Concrete Pad Removal}$$

$$\text{Total} = \$ 7,200.00$$



6. Load Racks

Once the racks have been dismantled, they will be loaded onto trucks for removal from the site. The trucking cost associated with this line item represents the additional time a truck will be needed during loading. Please see item # 13 for additional trucking costs.

$$\text{Number of Racks} \cdot \text{Rack Loading Rate} \cdot (\text{Labor Cost} + \text{Front End Loader Cost} + \text{Trucking Cost}) = \text{Total Rack Removal Cost}$$

Total = \$ 96,573.75

7. Remove Electrical Wiring

Electrical wiring will be removed from all underground conduits.

$$\text{Cable Length} \cdot \text{Cable Removal Rate} \cdot (\text{Labor Cost} + \text{Backhoe Cost}) = \text{Total Cable Removal Cost}$$

Total = \$ 22,320.00

8. Remove Foundation Screws

Foundation screws will be backed out of the ground and loaded onto a truck to be removed from site.

$$(\text{Total Number of Screws} / \text{Daily Screw Removal Rate}) \cdot (\text{Labor Rate} + \text{Excavator Cost}) = \text{Total Screw Removal Cost}$$

Total = \$ 19,017.60

9. Remove Fencing

Fencing posts, mesh, and foundations will be loaded onto a truck and removed from site. Trucking costs included in this line item are for the removal process. Trucking to a recycling facility are included in item #13.

$$(\text{Total Length of Fence} \cdot \text{Fence Removal Rate}) \cdot (\text{Labor Rate} + \text{Bobcat Cost} + \text{Trucking Cost}) =$$

Total = \$ 11,974.63

10. Remove Power Poles

Power poles will be removed and shipped off site.

$$\text{Number of Power Poles} \cdot \text{Pole Removal cost} = \text{Total Power Pole Removal Cost}$$

Total = \$ 15,000.00



11. Seed Disturbed Areas

Seeding cost includes labor and materials for reseeding all disturbed areas including the reclaimed gravel road area, former electrical areas, and areas disturbed by racking foundation removal.

$$\text{Seeding Cost} \cdot \text{Disturbed Area} = \text{Total Seeding Cost}$$

Total = \$ 89,812.88

12. Truck to Transfer Station

All material will be trucked to the nearest Transfer station that accepts construction material. The nearest transfer station is Raynham Town Recycling

$$(\text{Total Truckloads} \cdot \text{Roundtrip Distance} \cdot \text{Fuel Cost}) + (\text{Total Truckloads} \cdot \text{Round Trip Time} \cdot \text{Trucking Cost}) =$$

$$\text{Total Trucking Cost to Transfer Station}$$

Total = \$ 16,616.00

13. Remove and Dispose of Energy Storage Equipment

The battery units will be prepared for shipment and loaded onto a truck. A disposal fee will also be required for the disposal company to accept the batteries.

$$\text{Number of Battery Units} \cdot ((\text{Loading Prep Time} \cdot \text{Labor Cost}) + \text{Loading Time} \cdot (\text{Labor Rate} + \text{Bobcat Cost} + \text{Trucking Cost}) + \text{Disposal Fee}) = \text{Total Energy Storage Removal and Disposal Cost}$$

Total = \$ 21,800.00



160 Tihonet Road
Wareham, MA

- This Page Intentionally Left Blank



Summary of Decommissioning Costs

Line Item	Task	Cost
1	Module Removal	\$ 19,810.00
2	Rack Wiring Removal	\$ 9,905.00
3	Rack Dismantling	\$ 24,762.50
4	Electrical Equipment Loading and Removal	\$ 750.00
5	Break Up Concrete Pads	\$ 7,200.00
6	Load Racks	\$ 96,573.75
7	Electrical Wiring Removal	\$ 22,320.00
8	Foundation Screw Removal	\$ 19,017.60
9	Fence Removal	\$ 11,974.63
10	Power Pole Removal	\$ 15,000.00
11	Seed Disturbed Areas	\$ 89,812.88
12	Trucking to Transfer Station	\$ 16,616.00
13	Energy Storage System Removal	\$ 21,800.00
		Subtotal = \$ 355,542.35

Present Value Total with 1.25% Adder = \$ 444,427.94

Total after 20 years @ 1.5% Inflation

*Present Value • (1+ Inflation Rate)^Number of Years =
Future Value*

Grand Total = \$598,580.00

140 TIHONET ROAD, WAREHAM, MA 02571
SOLAR PHOTOVOLTAIC AND ENERGY STORAGE ELECTRIC SYSTEM

THIS DOCUMENT IS PROVIDED BY BORREDO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREDO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT IS STRICTLY PROHIBITED.									
 BORREDO SOLAR 55 TECHNOLOGY DRIVE, SUITE 102 LOWELL, MA 01851 PHONE: (888) 898-6373 FAX: (888) 943-6778 WWW.BORREDSOLARSYSTEMS.COM									
NOT FOR CONSTRUCTION									
 <i>Charles D. Smith</i> <i>2/19/21</i>									
SITE USE PLAN 140 THONET ROAD WAREHAM, MA 02571									
PROJECT NUMBER: 905-2708									
REV/	DATE	DRAWN	CHECKED	RELEASE	LEVEL				
	06/02/20	WS		CDS	ISSUED FOR LOCAL PERMITTING				
	08/19/20	WS		CDS	CREATE SIGHT LINE EXHIBIT				
	07/01/21	WS		JM	RESUBMISSION TO LOCAL AHJ				
	02/02/21	WS		JM	ADDRESS PEER REVIEW COMMENTS				
	02/19/21	WS		JM/JS	ADDRESS PEER REVIEW COMMENTS				
SCALES STATED ON DRAWINGS: ARE VARIOUS WHEN PLOTTED ARCH D 24" X 36"									
T-1 TITLE PAGE									

- NOTES:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS
 2. THIS PLAN IS PREPARED BASED ON THE LIMITED ALTA/NSPS LAND TITLE SURVEY PREPARED BY NORTHEAST SURVEY CONSULTANTS AND STAMPED MARCH 5, 2020. WITH FIELD WORK COMPLETED ON MARCH 4, 2020.
 3. SOME SUPPLEMENTAL INFORMATION HAS BEEN ADDED TO THE PLAN.
 4. WETLAND RESOURCE AREAS WERE DELINEATED BY BEALS AND THOMAS, INC. ON APRIL 10 2020, APRIL 14, 2020 AND APRIL 17, 2020, WITH INVESTIGATIONS OF POTENTIAL VERNAL POOLS OCCURRING ON APRIL 17, 2020 AND MAY 11, 2020.



EXISTING CONDITIONS PLAN

SCALE: 1" = 200'



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) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 TITHONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/02/20	WS	CD	CD	ISSUED FOR LOCAL PERMITTING
08/19/20	WS	CD	CD	CREATE SIGHT LINE EXHIBIT
01/19/21	WS	JM	JM	RESUBMISSION TO LOCAL AHJ
02/02/21	WS	JM	JM	ADDRESS PEER REVIEW COMMENTS
02/19/21	WS	JM	JM	ADDRESS PEER REVIEW COMMENTS

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

C-1.0

EXISTING CONDITIONS PLAN



- NOTE:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 2. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA.
 3. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS AND EQUIPMENT PADS. SEEDED AREAS WILL BE WATERED AS NEEDED TO ACHIEVE SUBSTANTIAL VEGETATIVE GROWTH.

TREE CUTTING AND STUMPING= 65.35 ACRES



TOTAL= 65.35 ACRES

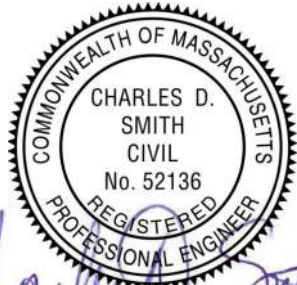
THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT, IS STRICTLY PROHIBITED.



BORREGO SOLAR

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

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

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

C-2.0

TREE CLEARING PLAN



OVERALL LA OUT AND MATERIALS PLAN

SCALE: 1" = 200'

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.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
CHARLES D. SMITH
CIVIL
No. 52136
REGISTERED PROFESSIONAL ENGINEER

Charles D. Smith
2/19/21

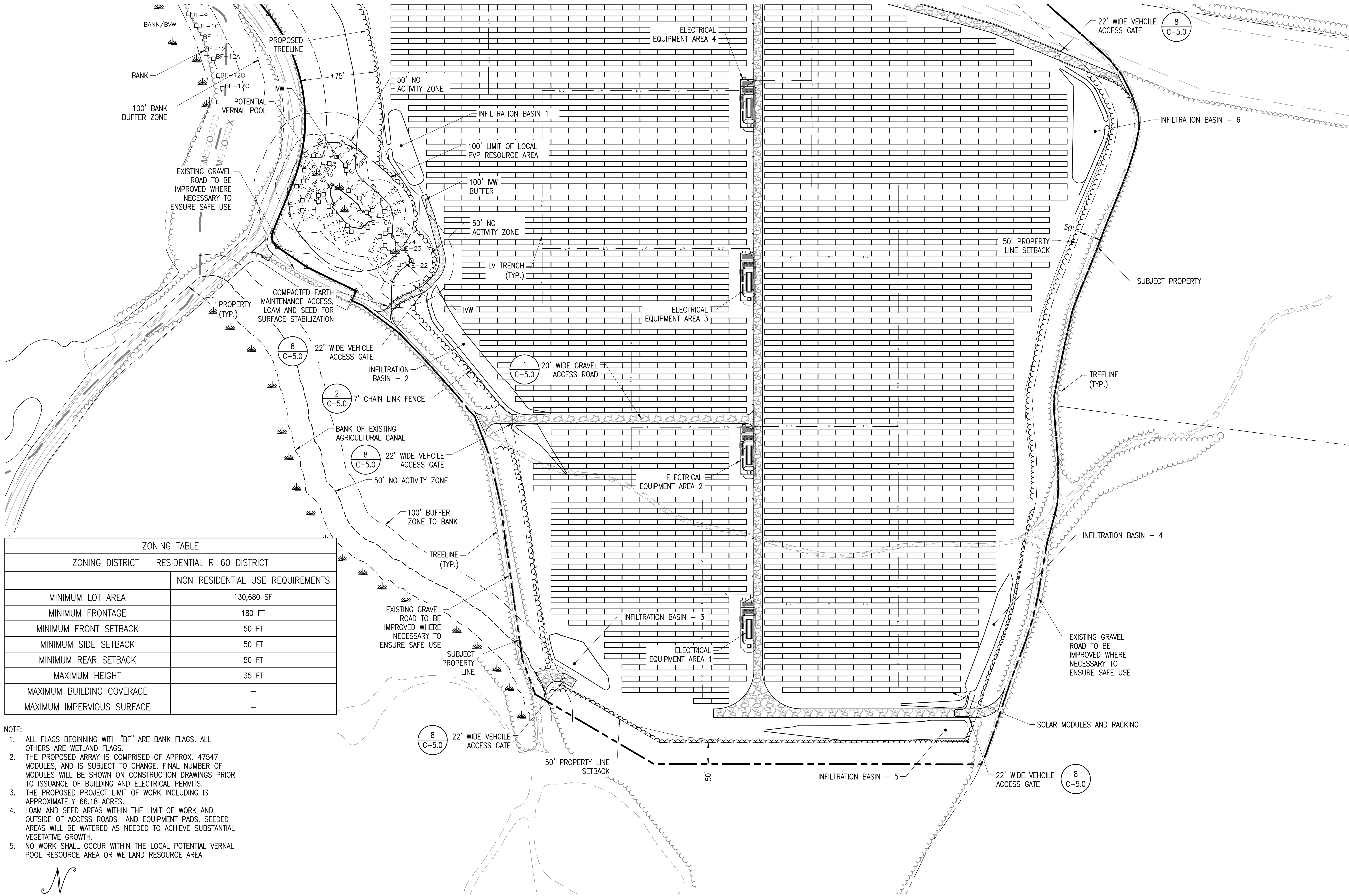
SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

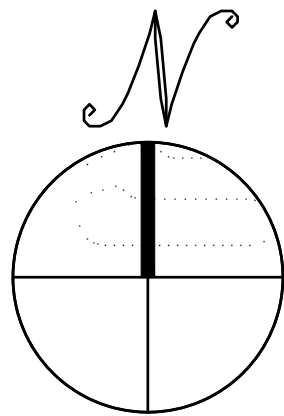
SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
ARCH D 24" X 36"

C-1.0
OVERALL LA OUT AND MATERIALS PLAN



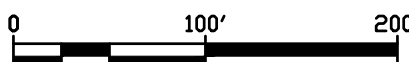
ZONING TABLE	
ZONING DISTRICT – RESIDENTIAL R-60 DISTRICT	
	NON RESIDENTIAL USE REQUIREMENTS
MINIMUM LOT AREA	130,680 SF
MINIMUM FRONTAGE	180 FT
MINIMUM FRONT SETBACK	50 FT
MINIMUM SIDE SETBACK	50 FT
MINIMUM REAR SETBACK	50 FT
MAXIMUM HEIGHT	35 FT
MAXIMUM BUILDING COVERAGE	—
MAXIMUM IMPERVIOUS SURFACE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

- NOTE:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 2. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 47547 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 66.18 ACRES.
 4. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS AND EQUIPMENT PADS. SEEDED AREAS WILL BE WATERED AS NEEDED TO ACHIEVE SUBSTANTIAL VEGETATIVE GROWTH.
 5. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA OR WETLAND RESOURCE AREA.



LA OUT AND MATERIALS - SOUTH

SCALE: 1" = 100'



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.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

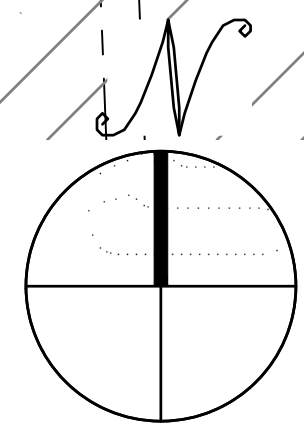
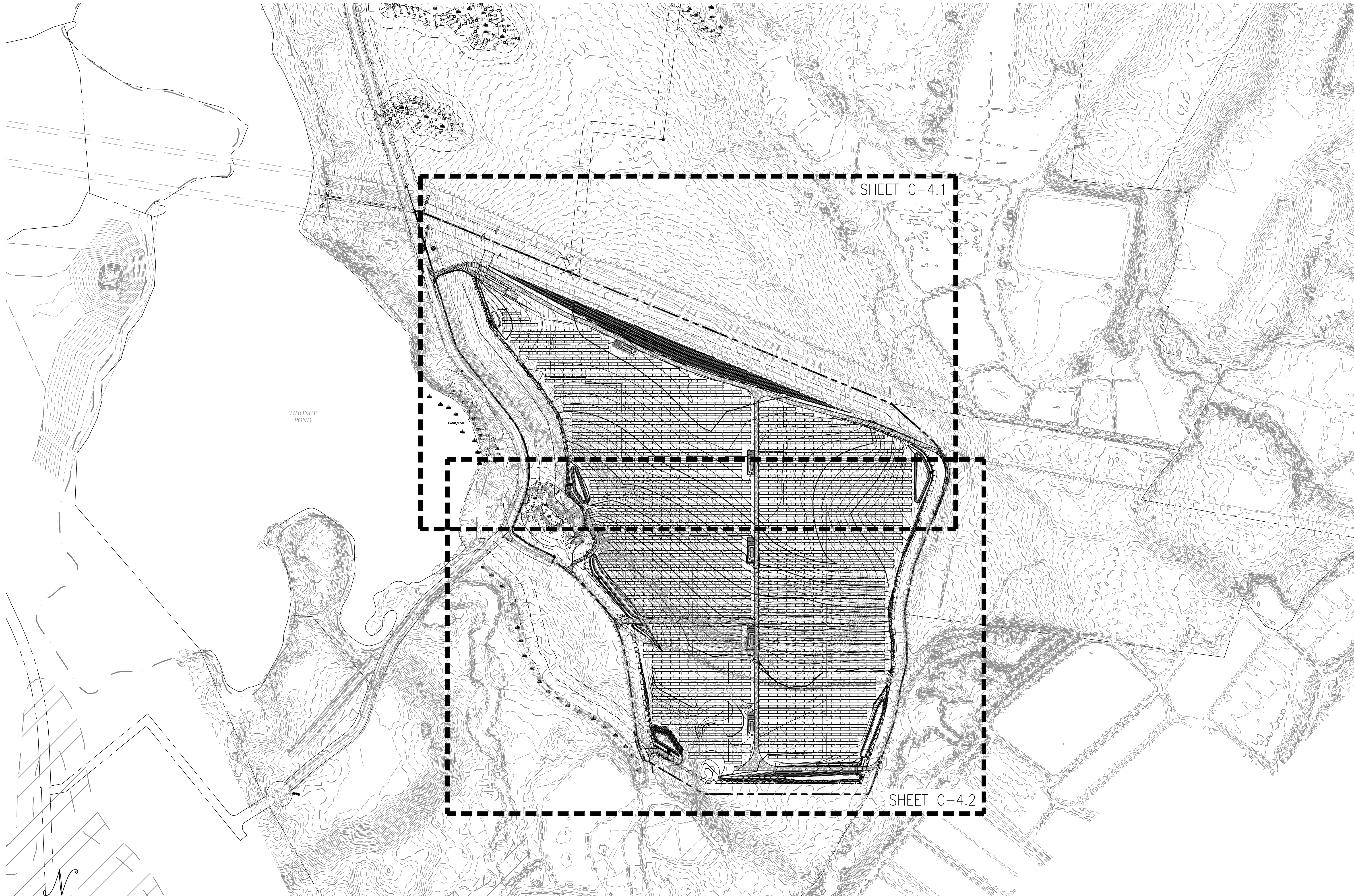
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

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

C-1.2

LA OUT AND MATERIALS -
SOUTH



OVERALL GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 200'

0 200' 400'

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) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 TTHONET ROAD
WAREHAM, MA 02571

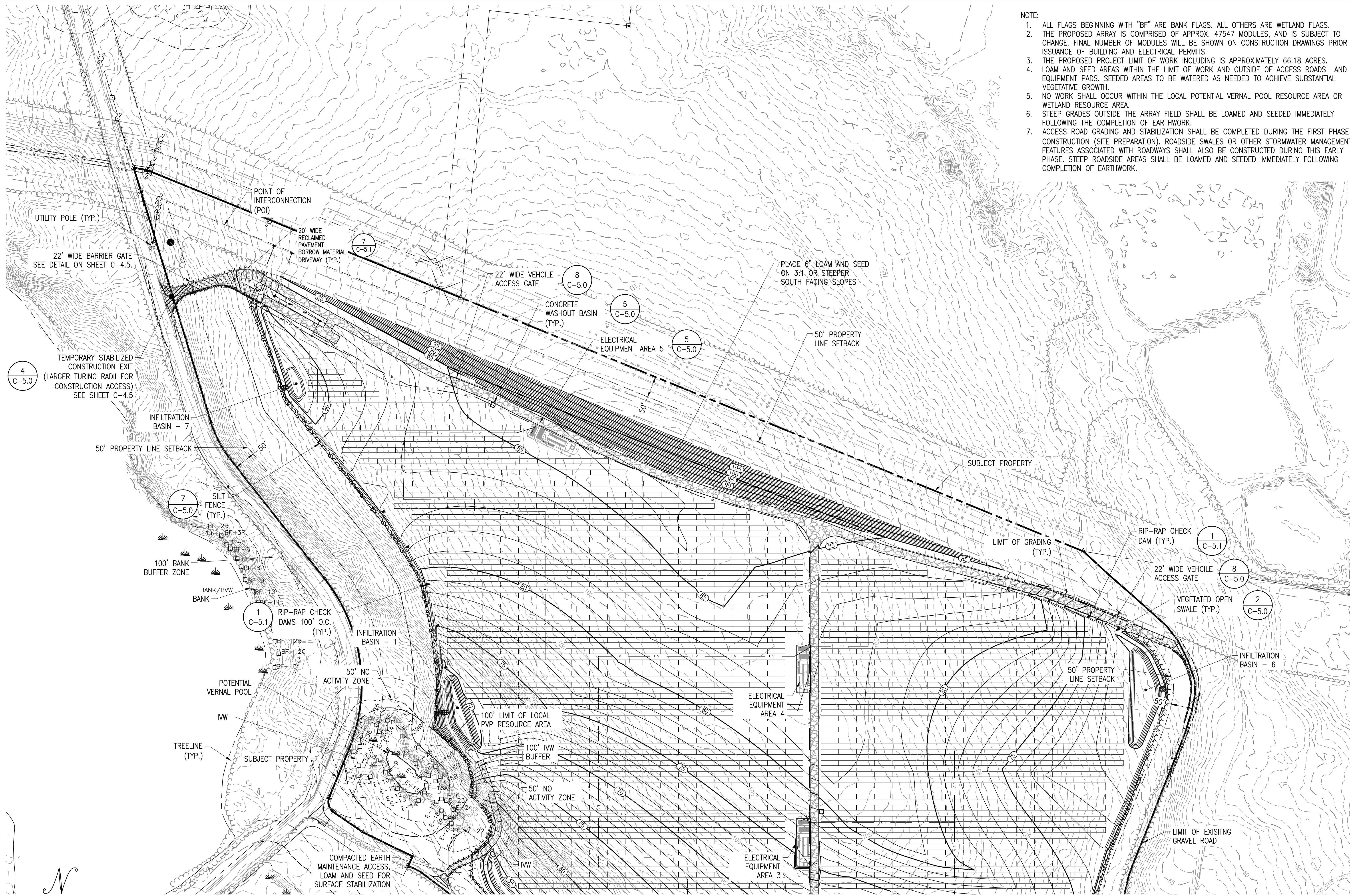
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	ISSUED FOR	LOCAL PERMITTING
06/02/20	WS	WS	CDS	ISSUED FOR	LOCAL PERMITTING	
08/19/20	WS	WS	CDS	CREATE SIGHT LINE EXHIBIT		
01/19/21	WS	WS	JM	RESUBMISSION TO LOCAL A-HJ		
02/02/21	WS	WS	JM	ADDRESS PEER REVIEW COMMENTS		
02/19/21	WS	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS		

SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
AT 10 X 24" X 36"

C-4.0

OVERALL GRADING AND
EROSION CONTROL PLAN



- NOTE:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 2. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 47547 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 66.18 ACRES.
 4. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, AND EQUIPMENT PADS. SEED AREAS TO BE WATERED AS NEEDED TO ACHIEVE SUBSTANTIAL VEGETATIVE GROWTH.
 5. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA OR WETLAND RESOURCE AREA.
 6. STEEP GRADES OUTSIDE THE ARRAY FIELD SHALL BE LOAMED AND SEEDDED IMMEDIATELY FOLLOWING THE COMPLETION OF EARTHWORK.
 7. ACCESS ROAD GRADING AND STABILIZATION SHALL BE COMPLETED DURING THE FIRST PHASE OF CONSTRUCTION (SITE PREPARATION). ROADSIDE SWALES OR OTHER STORMWATER MANAGEMENT FEATURES ASSOCIATED WITH ROADWAYS SHALL ALSO BE CONSTRUCTED DURING THIS EARLY PHASE. STEEP ROADSIDE AREAS SHALL BE LOAMED AND SEEDDED IMMEDIATELY FOLLOWING COMPLETION OF EARTHWORK.

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



Charles D. Smith
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

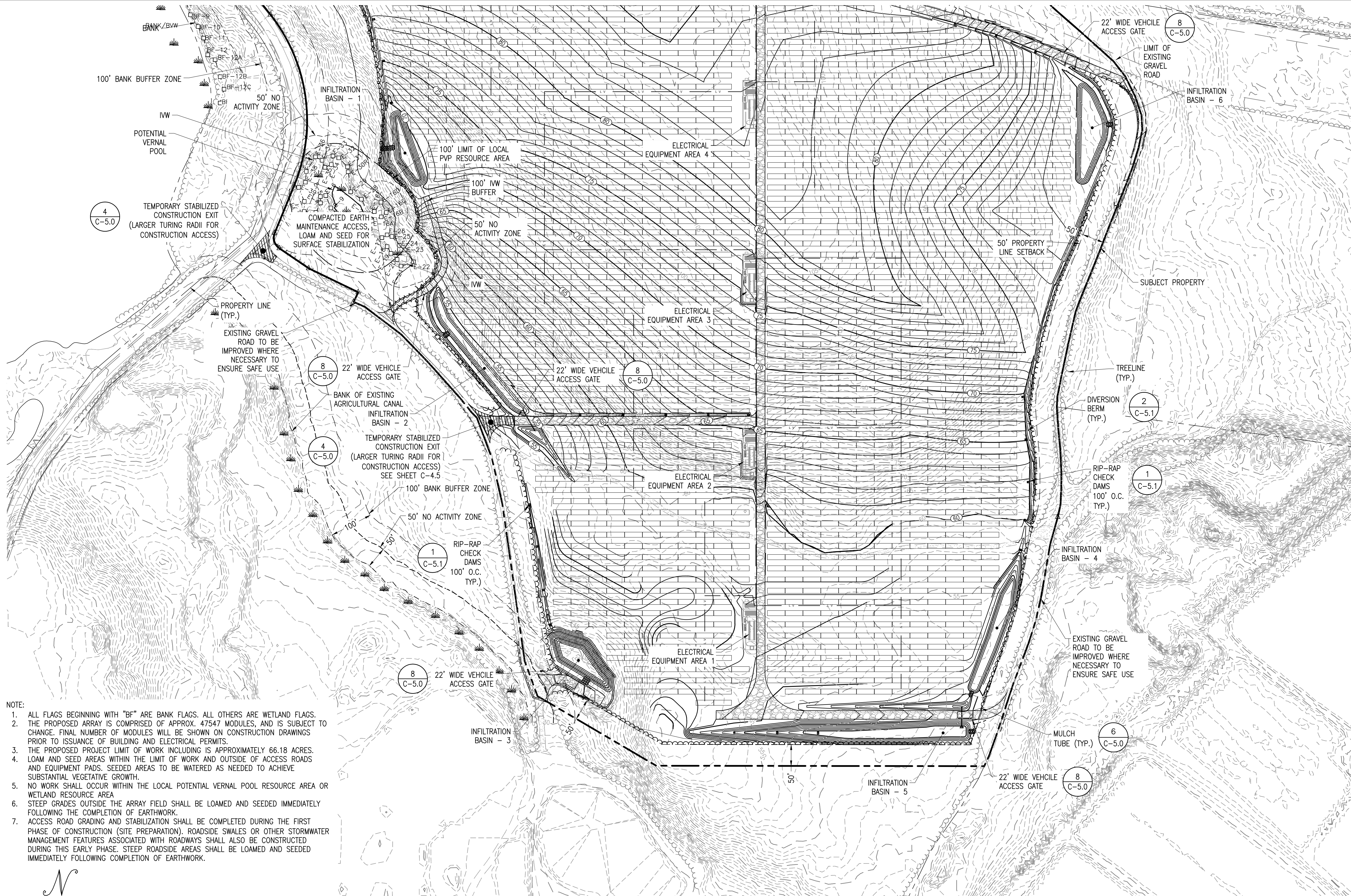
SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
ARCH D 24" X 36"

C-4.1
GRADING AND EROSION
CONTROL PLAN - NORTH

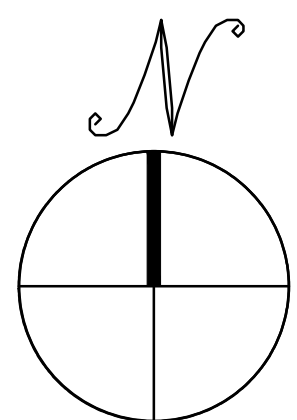
GRADING AND EROSION CONTROL PLAN - NORTH

SCALE: 1" = 100'



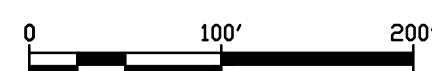


- NOTE:
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
 2. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 47547 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
 3. THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 66.18 ACRES.
 4. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS AND EQUIPMENT PADS. SEEDED AREAS TO BE WATERED AS NEEDED TO ACHIEVE SUBSTANTIAL VEGETATIVE GROWTH.
 5. NO WORK SHALL OCCUR WITHIN THE LOCAL POTENTIAL VERNAL POOL RESOURCE AREA OR WETLAND RESOURCE AREA
 6. STEEP GRADES OUTSIDE THE ARRAY FIELD SHALL BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING THE COMPLETION OF EARTHWORK.
 7. ACCESS ROAD GRADING AND STABILIZATION SHALL BE COMPLETED DURING THE FIRST PHASE OF CONSTRUCTION (SITE PREPARATION). ROADSIDE SWALES OR OTHER STORMWATER MANAGEMENT FEATURES ASSOCIATED WITH ROADWAYS SHALL ALSO BE CONSTRUCTED DURING THIS EARLY PHASE. STEEP ROADSIDE AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING COMPLETION OF EARTHWORK.



GRADING AND EROSION CONTROL PLAN - SOUTH

SCALE: 1" = 100'



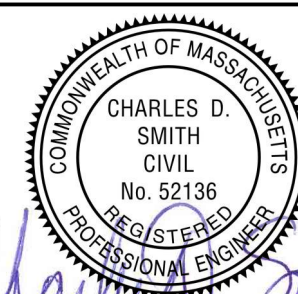
THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT, IS STRICTLY PROHIBITED.



BORREGO SOLAR

55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (988) 888-4273
FAX: (988) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/17/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

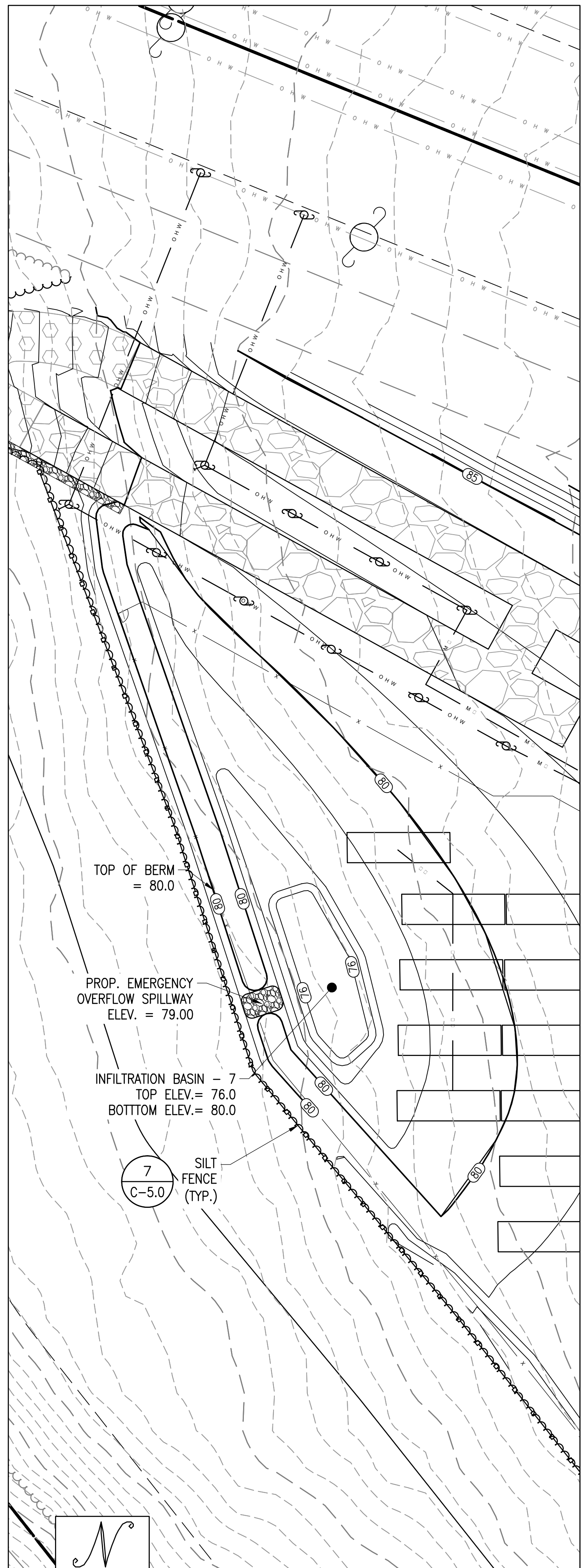
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

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

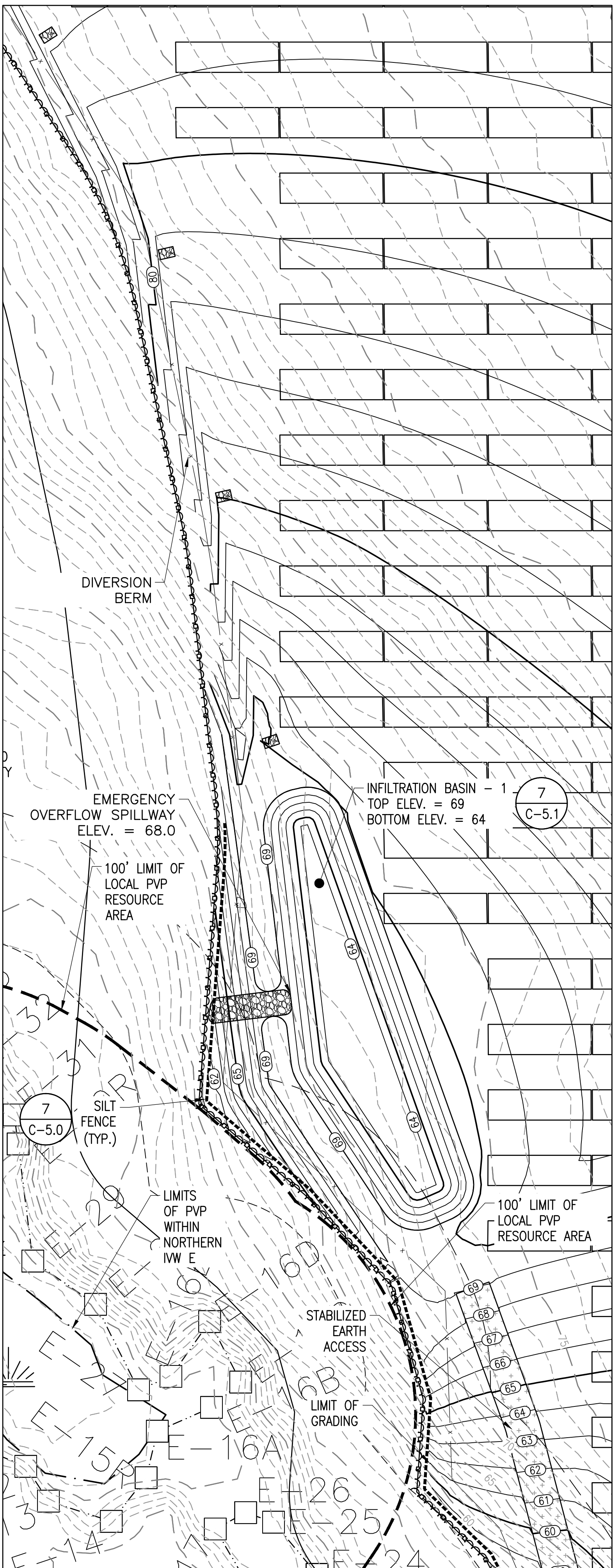
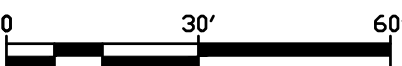
C-4.2

GRADING AND EROSION
CONTROL PLAN - SOUTH

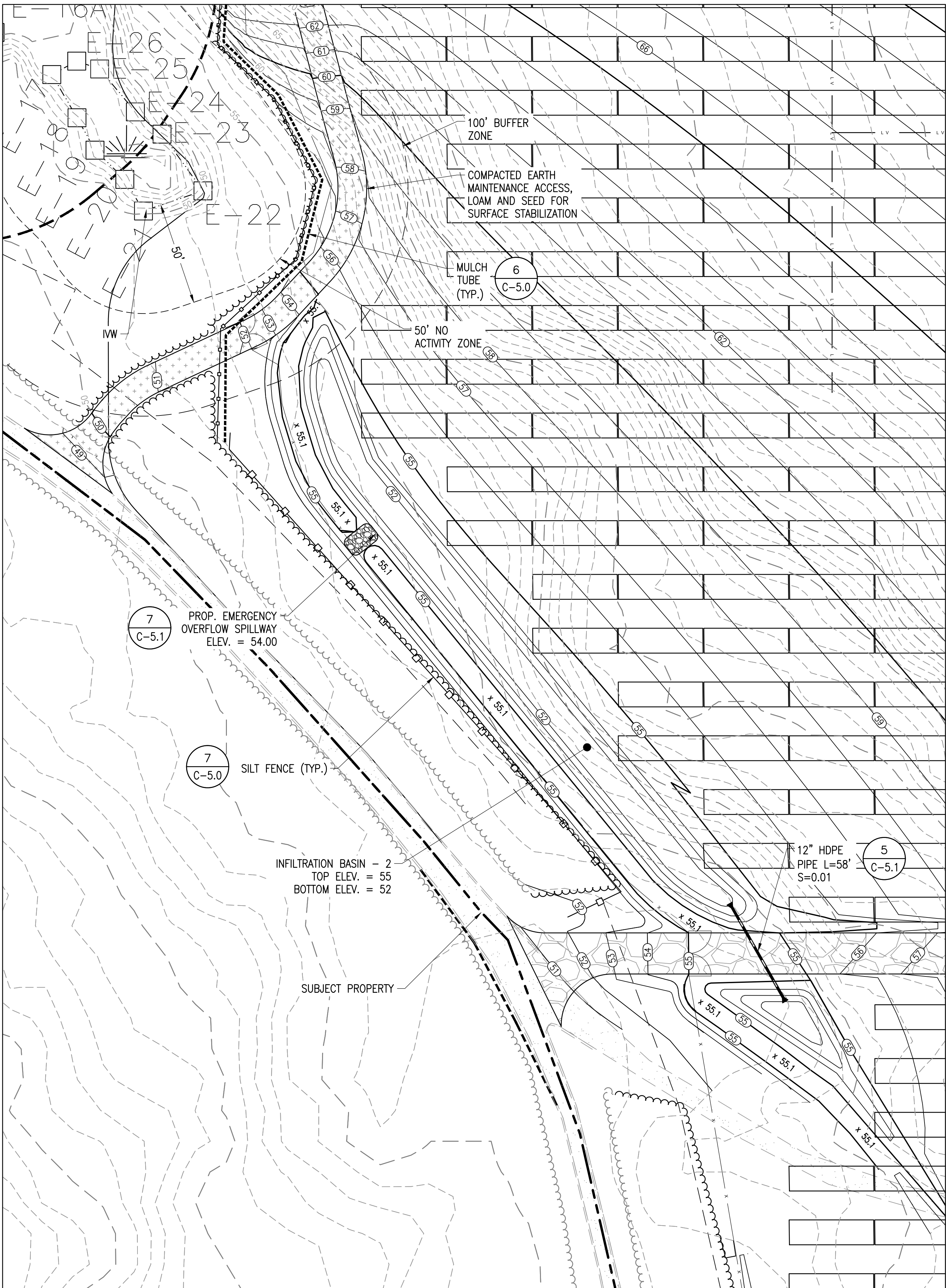


BASIN 7

SCALE: 1" = 30'



BASIN 1



BASIN 2

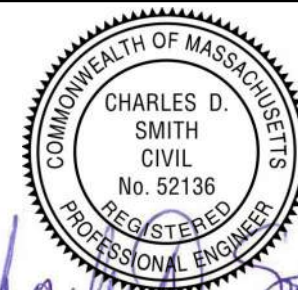
THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT, IS STRICTLY PROHIBITED.



BORREGO SOLAR

55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-4273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

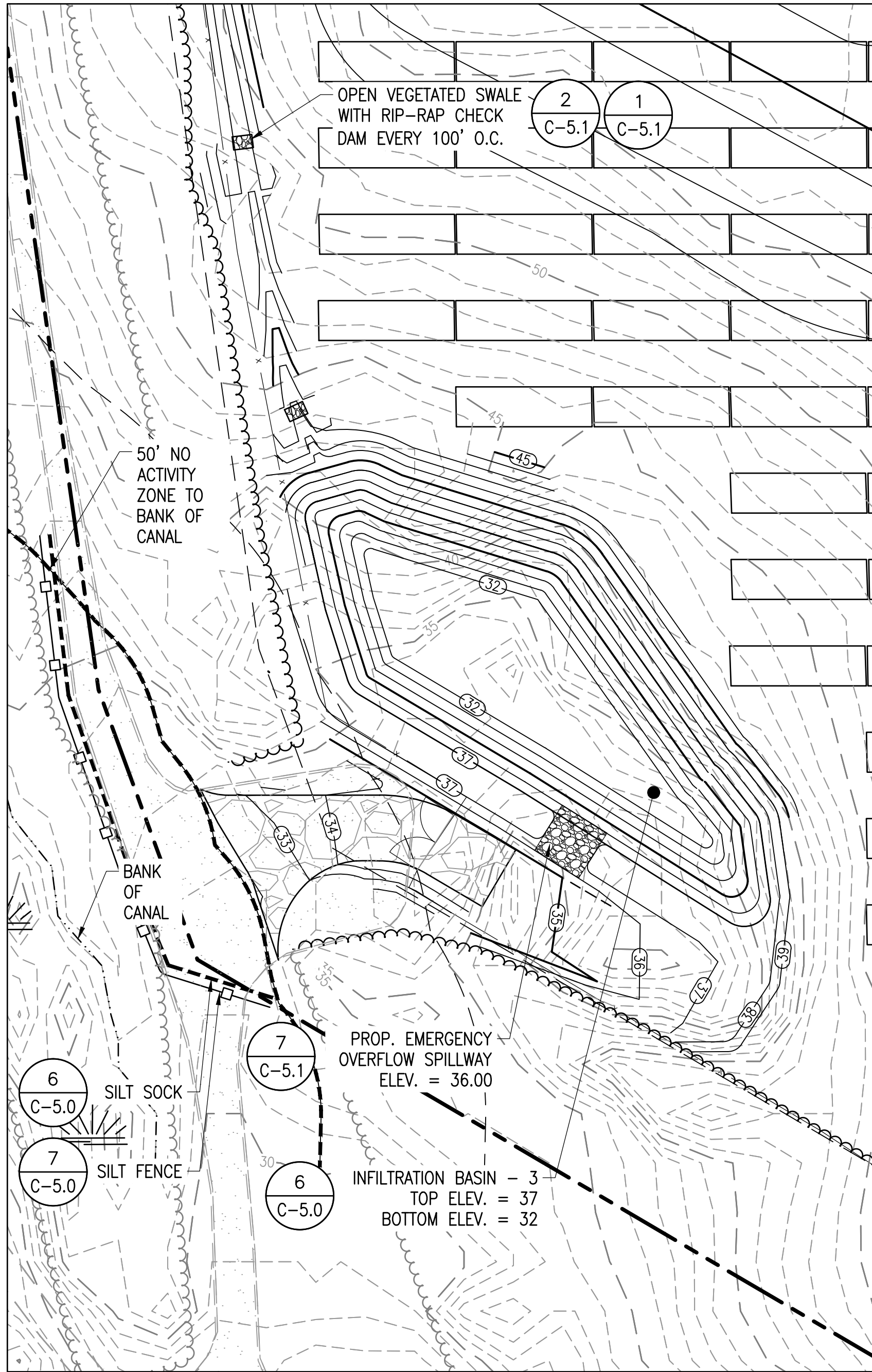
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING
	08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT
	01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ
	02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS
	02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS

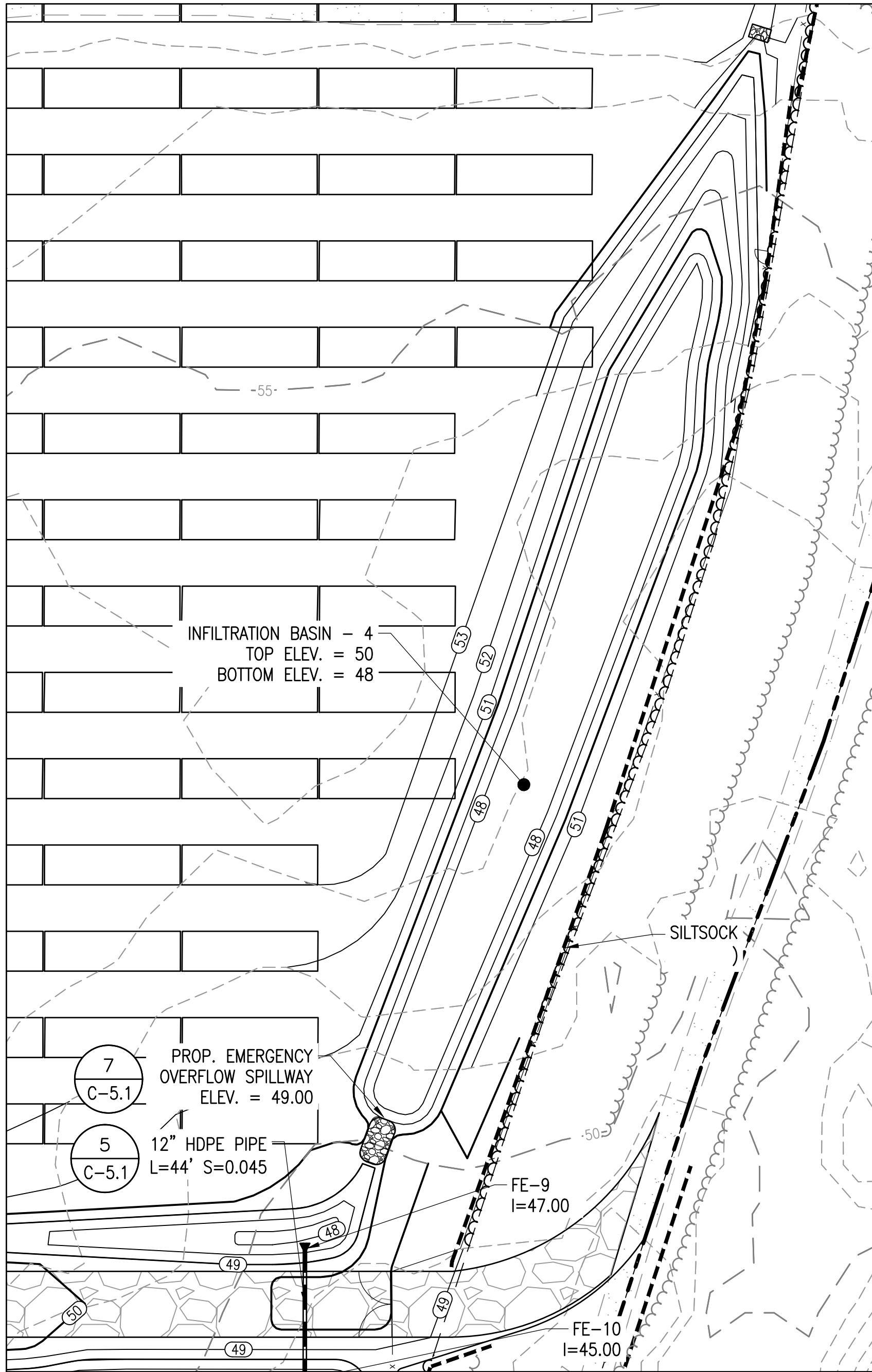
SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
INCH @ 24" X 36"

C-4.

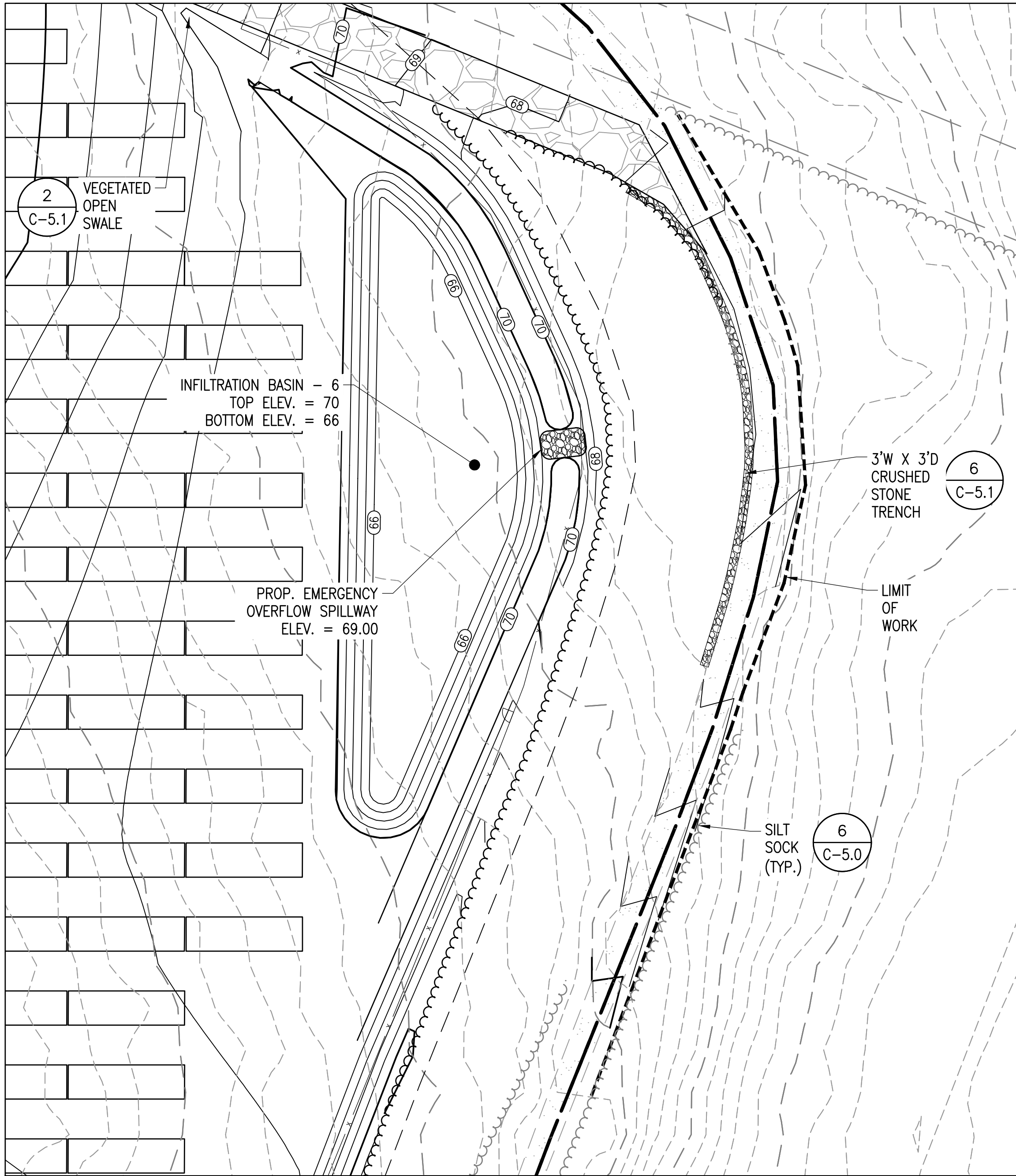
GRADING AND EROSION
CONTROL PLAN - BASIN 7, 1,
2



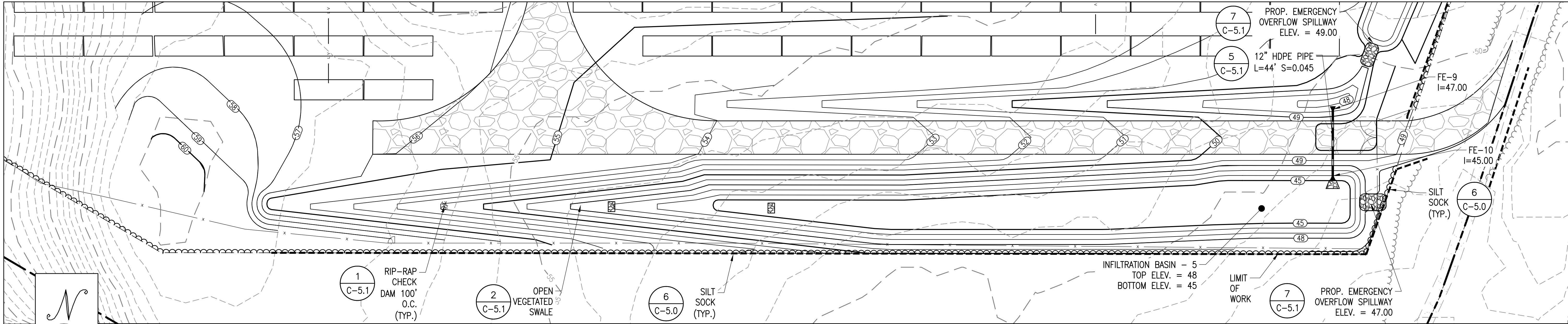
BASIN 1



BASIN 4



BASIN 6



BASIN 5

SCALE: 1" = 30'
0 30' 60'

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: (988) 898-4273
FAX: (988) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

CHARLES D. SMITH
CIVIL
No. 52136
PROFESSIONAL ENGINEER
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

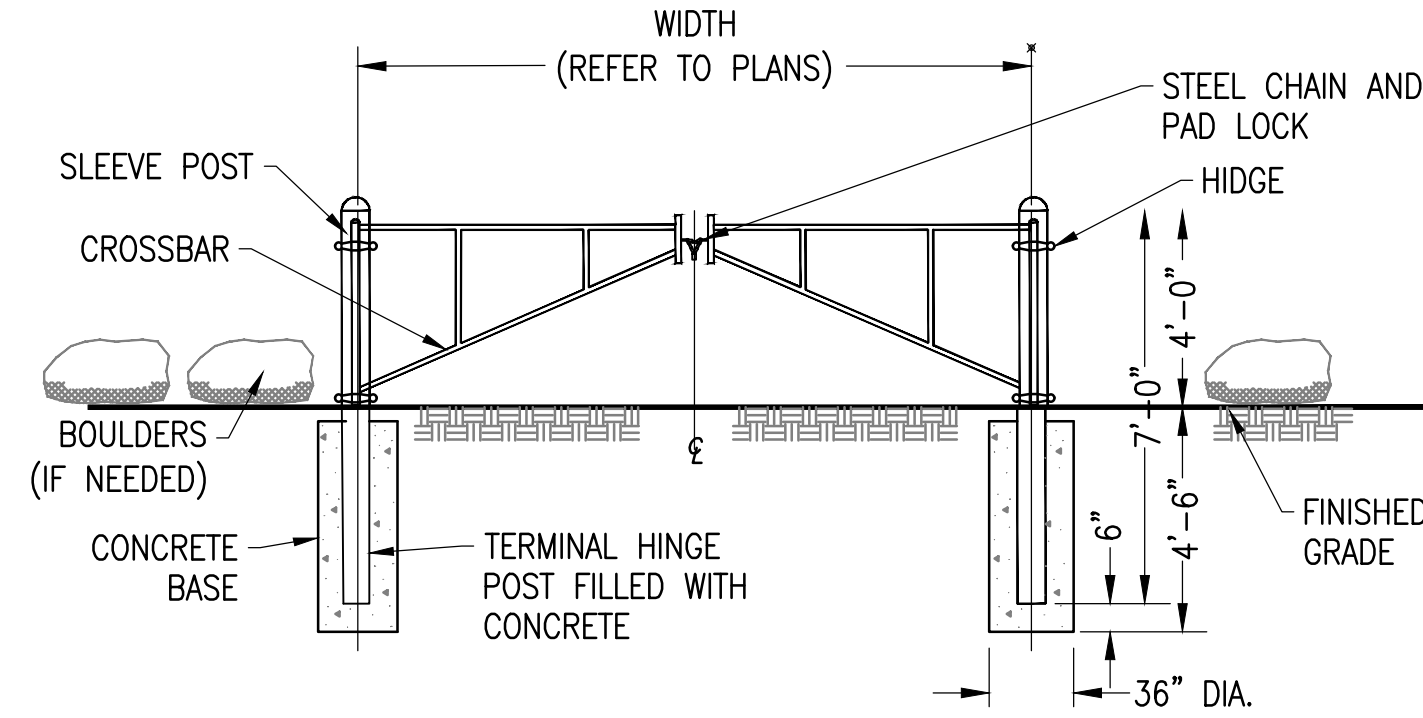
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING	
08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT	
01/19/21	WS	JM	RESUBMISSION TO LOCAL AHJ	
02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS	
02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS	

SCALES STATED ON DRAWINGS
ARE VALID ONLY WHEN PLOTTED
INCH @ 24" X 36"
C-4.4
GRADING AND EROSION
CONTROL PLAN - BASIN 1, 4,
5

NOTE:

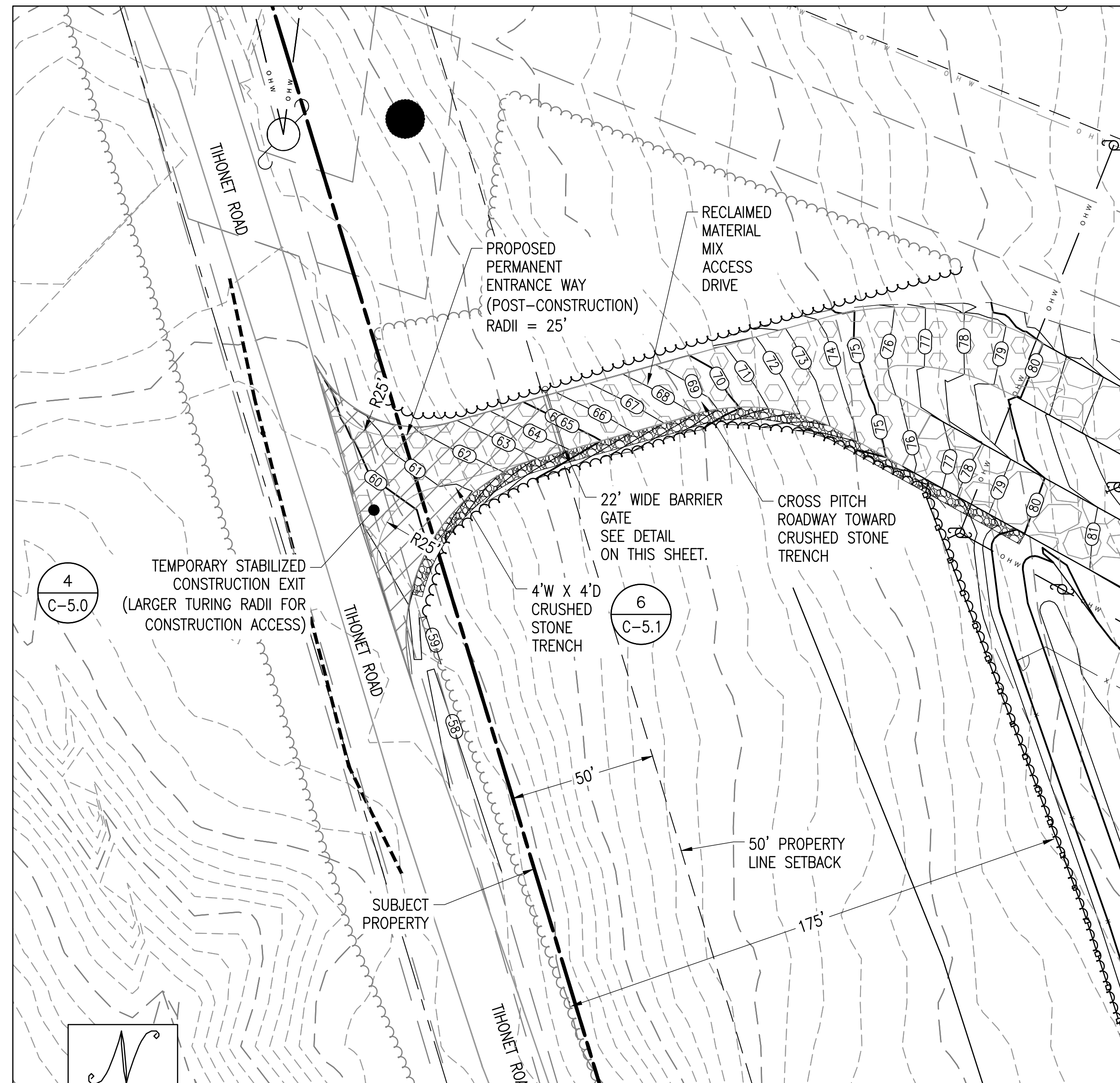
1. ALL FLAGS BEGINNING WITH "BF" ARE BANK FLAGS. ALL OTHERS ARE WETLAND FLAGS.
2. THE PROPOSED ARRAY IS COMPRISED OF APPROX. 47547 MODULES, AND IS SUBJECT TO CHANGE. FINAL NUMBER OF MODULES WILL BE SHOWN ON CONSTRUCTION DRAWINGS PRIOR TO ISSUANCE OF BUILDING AND ELECTRICAL PERMITS.
3. THE PROPOSED PROJECT LIMIT OF WORK INCLUDING IS APPROXIMATELY 66.20 ACRES.
4. LOAM AND SEED AREAS WITHIN THE LIMIT OF WORK AND OUTSIDE OF ACCESS ROADS, AND EQUIPMENT PADS. SEEDED AREAS TO BE WATERED AS NEEDED TO ACHIEVE SUBSTANTIAL VEGETATIVE GROWTH.
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.
7. ALSO SEE NOTE 4 ON SHEET C-2.0 REGARDING LOAMING AND SEEDING OF THE SITE.
8. STEEP GRADES OUTSIDE THE ARRAY FIELD SHALL BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING THE COMPLETION OF EARTHWORK. ACCESS ROAD GRADING AND STABILIZATION SHALL BE COMPLETED DURING THE FIRST PHASE OF CONSTRUCTION (SITE PREPARATION). ROADSIDE SWALES OR OTHER STORMWATER MANAGEMENT FEATURES ASSOCIATED WITH ROADWAYS SHALL ALSO BE CONSTRUCTED DURING THIS EARLY PHASE. STEEP ROADSIDE AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING COMPLETION OF EARTHWORK.



NOTE:
CONTRACTOR SHALL ENSURE NO VEHICULAR ACCESS (INCLUDING MOTORCYCLES, ATV'S, ETC.) AROUND BARRIER GATE.

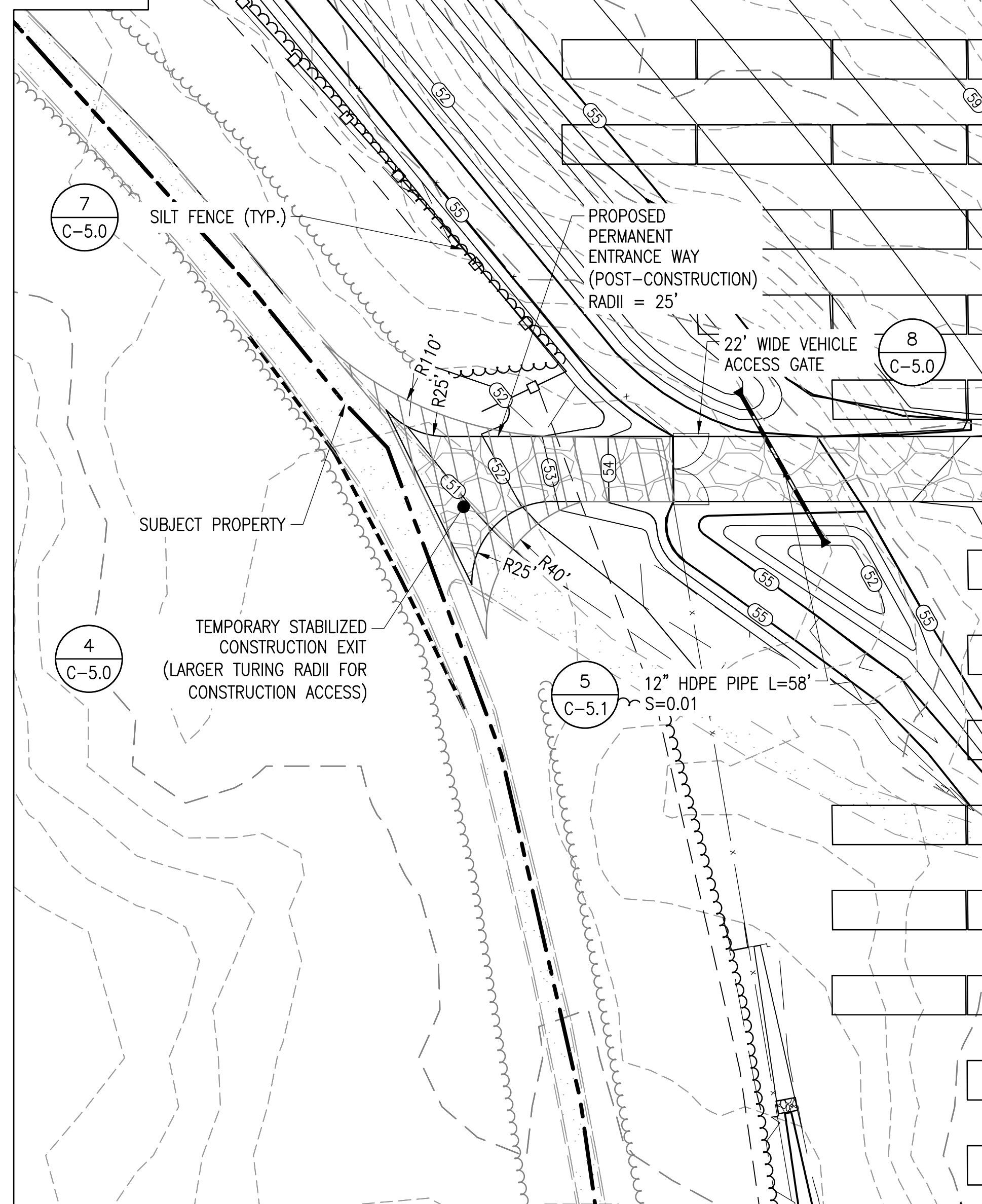
BARRIER GATE

SCALE: NTS
XD_CML_ACCESS_BARRIER_GATE 10-24-2018

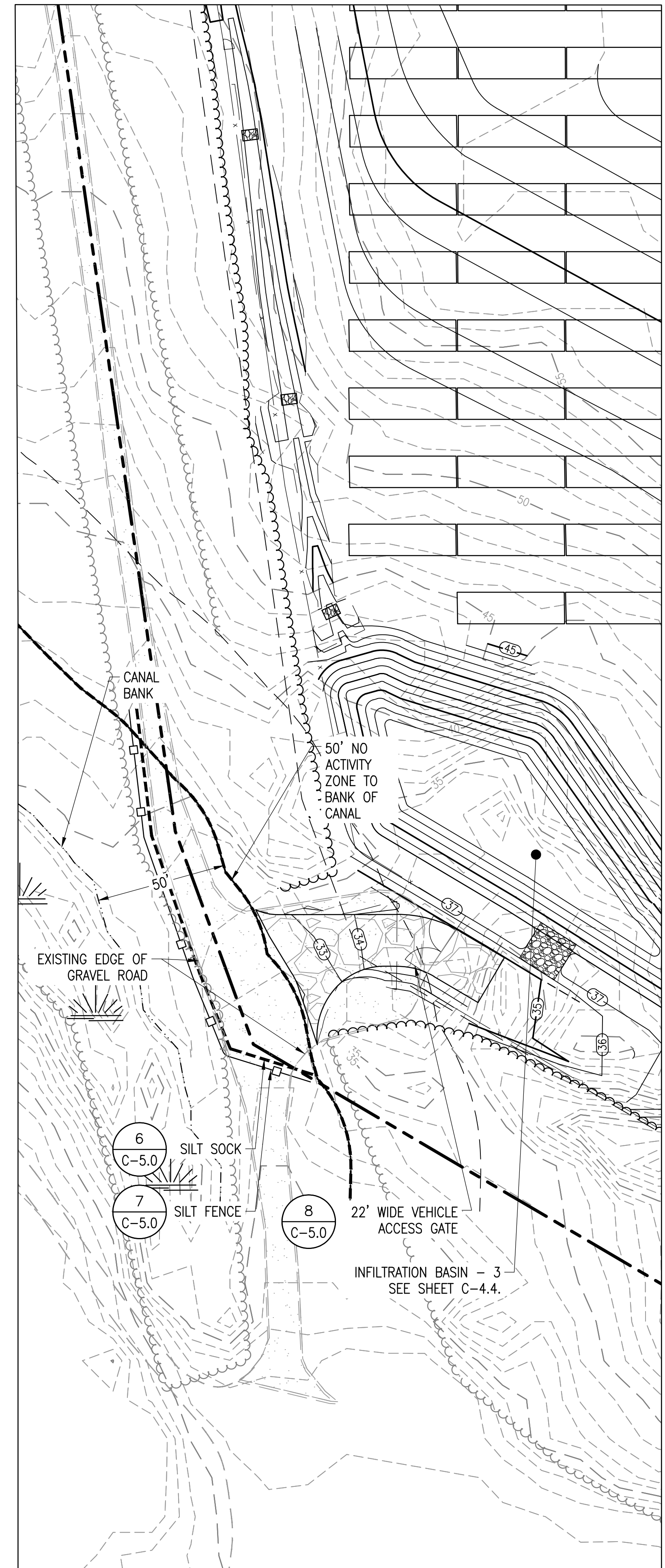


NORTHWEST ENTRANCE

SCALE: 1" = 30'



WESTERN ENTRANCE



SOUTH WESTERN DRIVE -
MAINTENANCE ACCESS

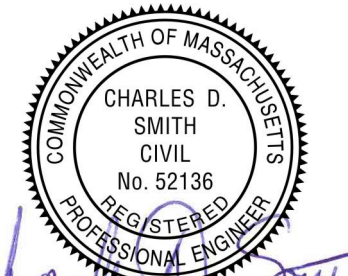
THIS DOCUMENT IS PROVIDED BY BORREGO SOLAR SYSTEMS, INC. TO FACILITATE THE SALE AND INSTALLATION OF A SOLAR POWER SYSTEM FROM BORREGO SOLAR SYSTEMS, INC. REPRODUCTION, RELEASE, OR UTILIZATION FOR ANY OTHER PURPOSE, WITHOUT PRIOR WRITTEN CONSENT, IS STRICTLY PROHIBITED.



BORREGO SOLAR

55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR
CONSTRUCTION



Charles D. Smith
2/19/21

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

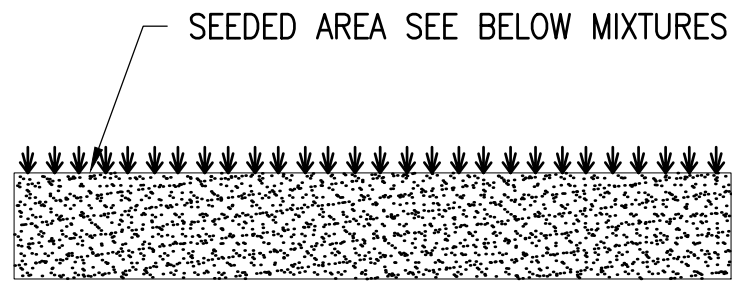
PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/02/20	WS	CDS	CDS	ISSUED FOR LOCAL PERMITTING
08/19/20	WS	CDS	CDS	CREATE SIGHT LINE EXHIBIT
01/19/21	WS	JM	JM	RESUBMISSION TO LOCAL A/H
02/02/21	WS	JM	JM	ADDRESS PEER REVIEW COMMENTS
02/19/21	WS	JM	JM	ADDRESS PEER REVIEW COMMENTS

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

C-4.5

GRADING AND EROSION
CONTROL PLAN -
ENTRANCES



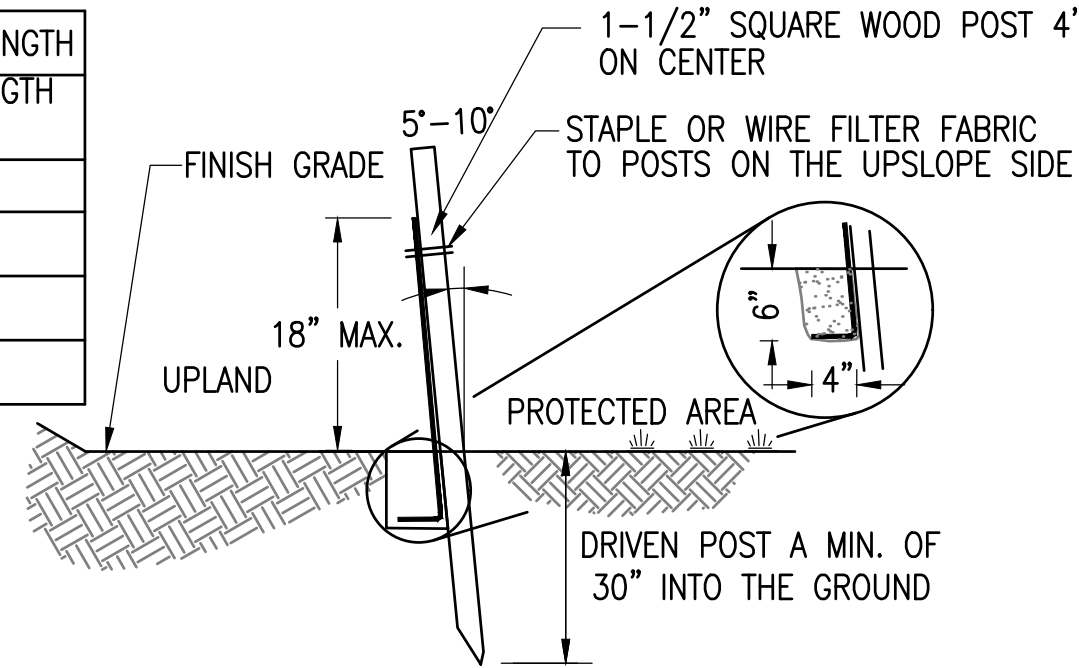
ADM SANDY MIXTURE

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

MAX ALLOWABLE SLOPE LENGTH	MAX LENGTH (FT.)
2:1	25
3:1	50
4:1	75
5+:1	100



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 "I" 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.

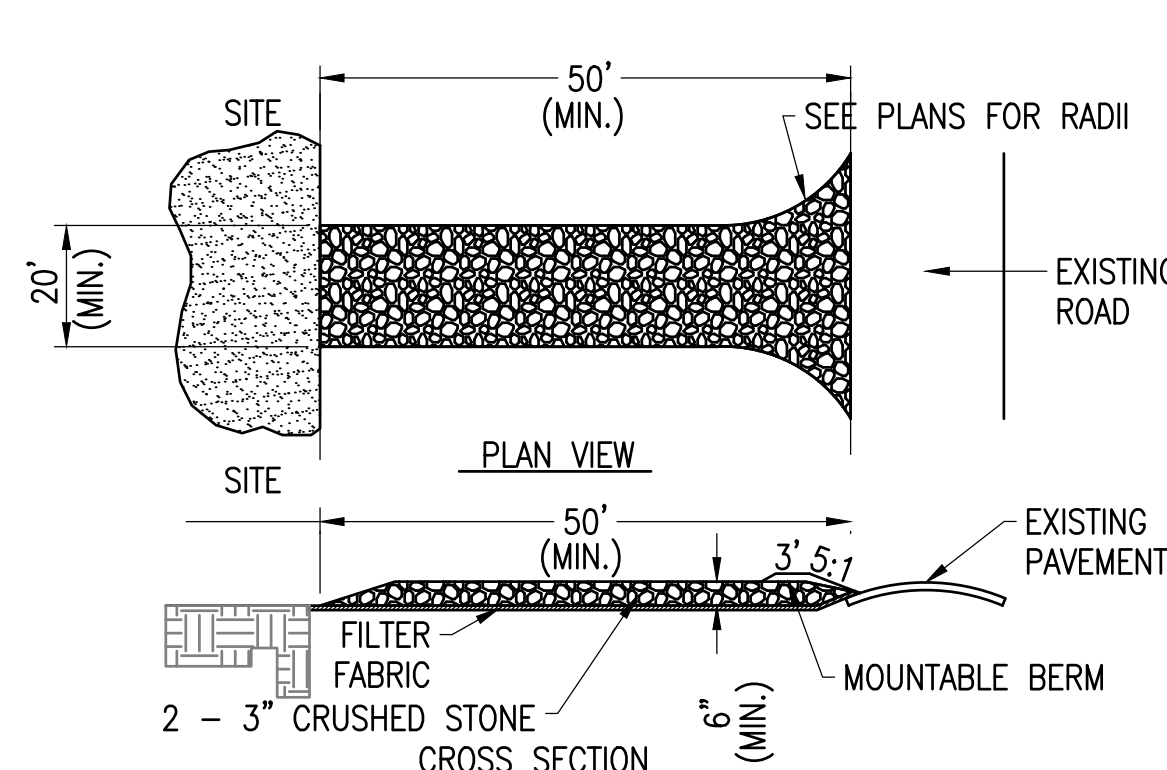
SEED DETAIL

SCALE: NTS

SILT FENCE

SCALE: NTS

XD_CML_EROSION_SILT_FENCE_P 2014-10-17



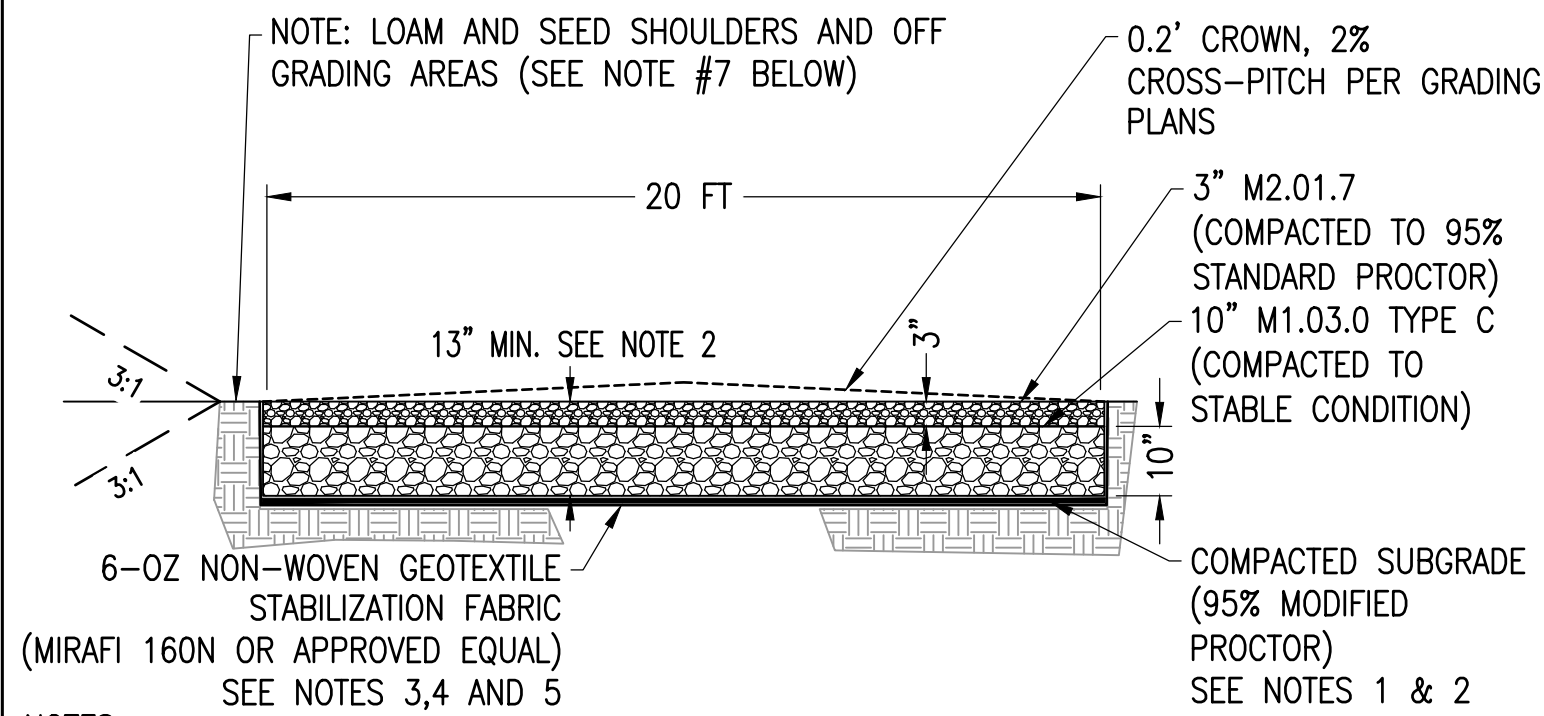
NOTE:

- ENTRANCE WIDTH SHALL BE A TWENTY (20) 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.

STABILIZED CONSTRUCTION ENTRANCE

SCALE: NTS

XD_CIVIL_TEMPORARY CONSTRUCTION_STABILIZED CONSTRUCTION ENTR 06-10-2016



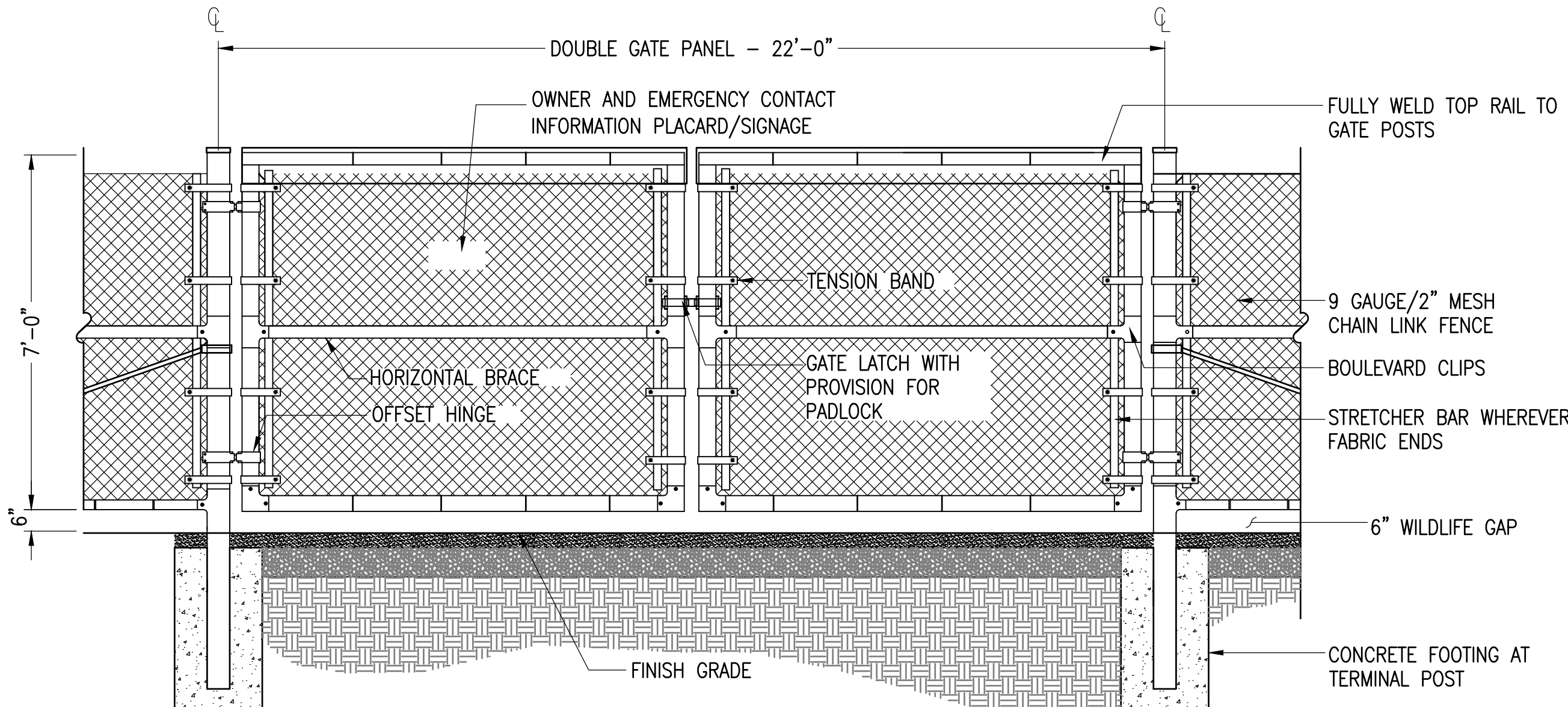
NOTES:

- SUBCONTRACTOR SHALL EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE.
- SUBCONTRACTOR SHALL COMPACT SUBGRADE TO PROVIDE SUITABLE SURFACE TO PLACE ROAD. 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.
- SEE NOTE #4 ON SHEETS C-3.1, 3.2, 4.1, 4.2, 4.5, AND NOTE #3 ON SHEET C-2.0 REGARDING LOAMING AND SEEDING OF SITE.

GRAVEL ACCESS ROAD

SCALE: NTS

XD_CIVIL_GRAVEL_ROAD_MA 09-28-2020



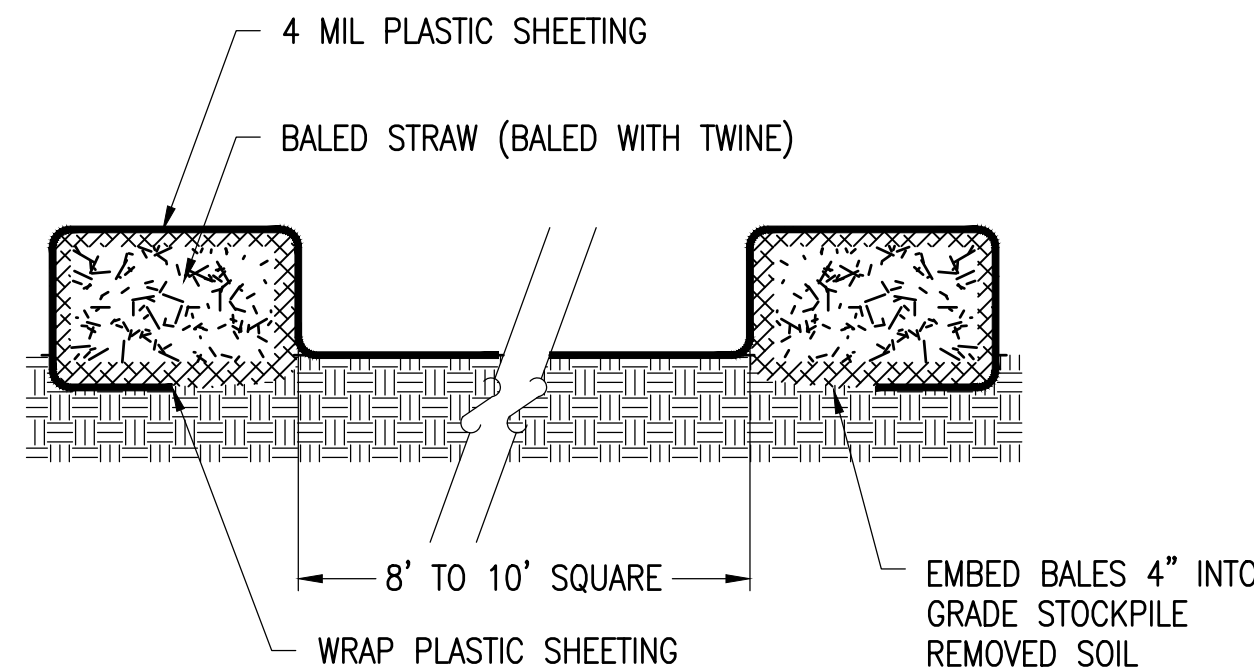
NOTE:

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

VEHICLE GATE - WILDLIFE GAP

SCALE: NTS

XD_CIVIL_FENCE_VEHICLE_GATE_Y 10-23-2018

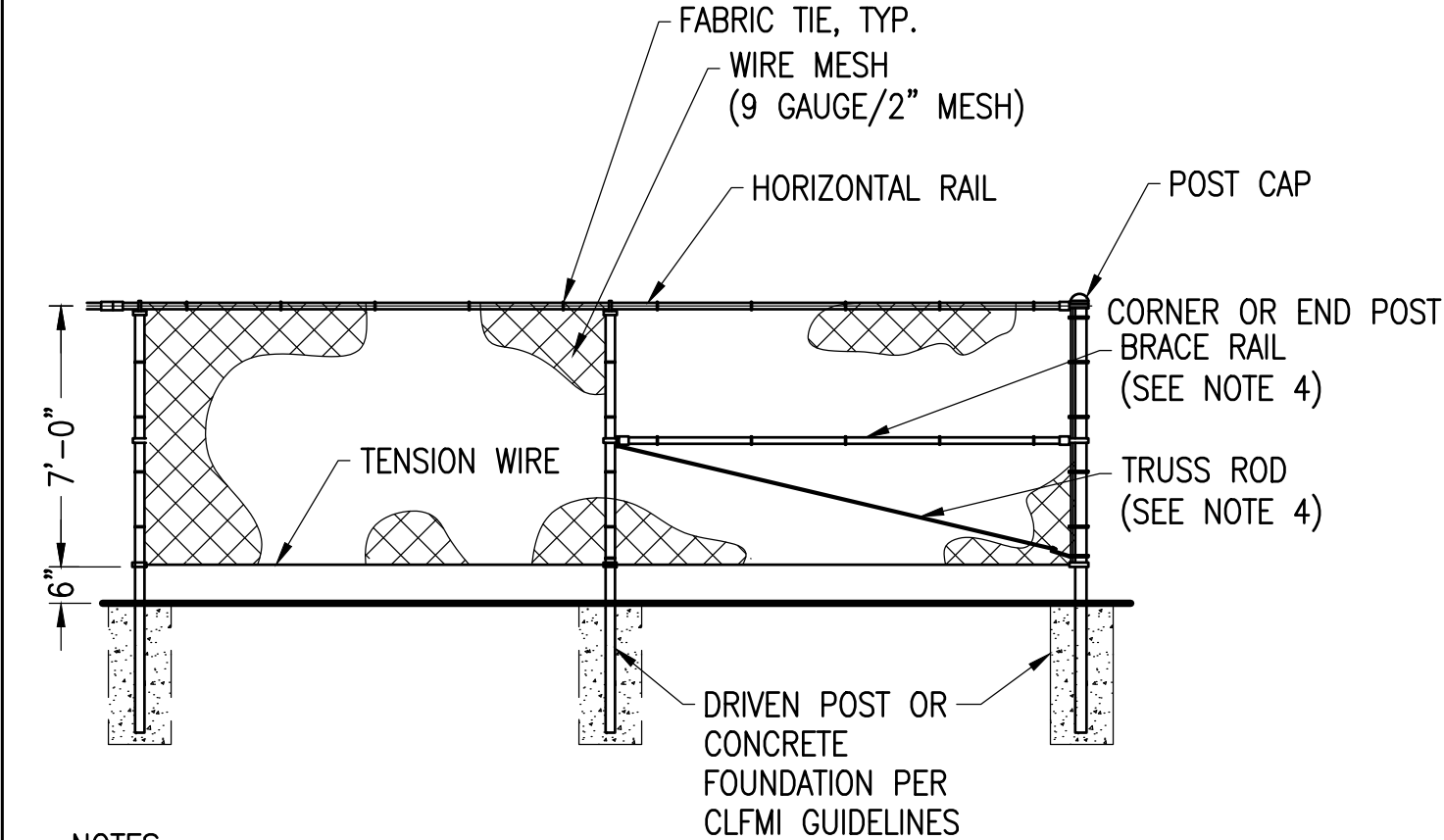


NOTE: PLASTIC SHEETING SHALL BE FREE OF TEARS OR HOLES. AFTER BASIN IS USED, WASHWATER FROM WASHOUT BASIN SHALL EVAPORATE OR BE VACUUMED OUT. REMOVE REMAINING HARDENED SOLIDS. REPLACE PLASTIC SHEETING AND STRAWBALES AS REQUIRED.

CONCRETE WASHOUT BASINS

SCALE: NTS

XD_CIVIL_CONCRETE WASHOUT BASINS 07-24-2017



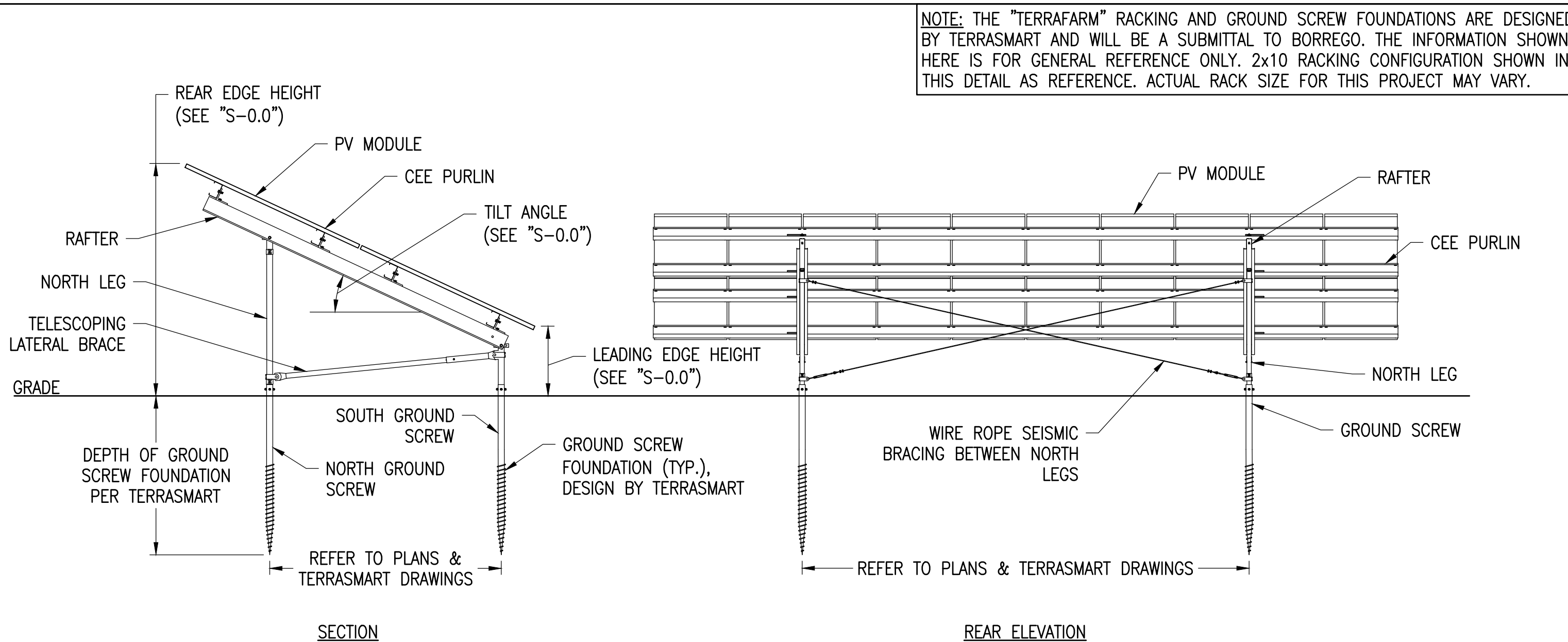
NOTES:

- 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.

CHAIN LINK FENCE - WILDLIFE GAP

SCALE: NTS

XD_CIVIL_FENCE_Y_CHAIN_LINK_WILDLIFE_GAP 06-27-2016



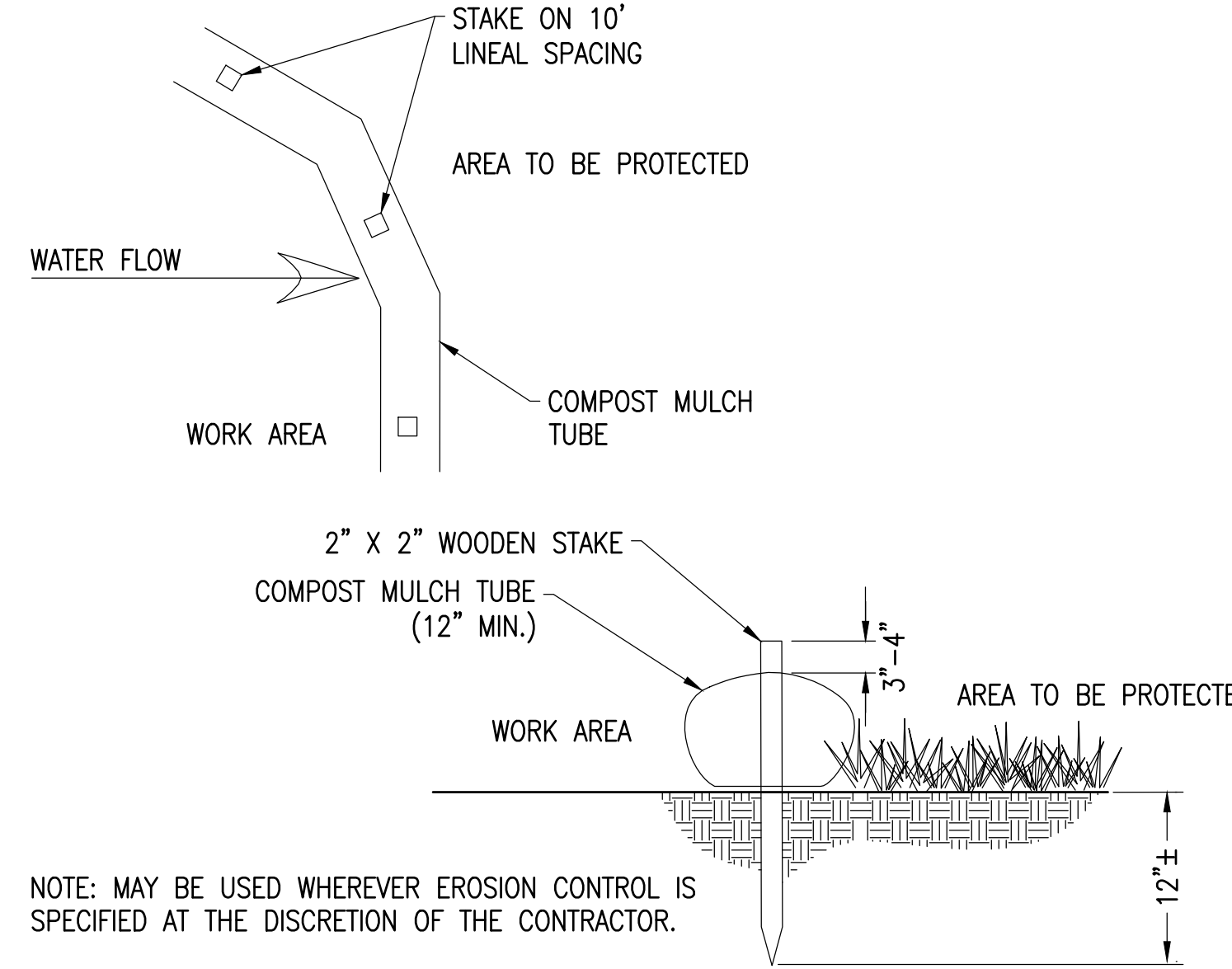
NOTE: THE "TERRAFARM" RACKING AND GROUND SCREW FOUNDATIONS ARE DESIGNED BY TERRASMA AND WILL BE A SUBMITTAL TO BORREGO. THE INFORMATION SHOWN HERE IS FOR GENERAL REFERENCE ONLY. 2x10 RACKING CONFIGURATION SHOWN IN THIS DETAIL AS REFERENCE. ACTUAL RACK SIZE FOR THIS PROJECT MAY VARY.

TYPICAL RACK SECTION & REAR ELEVATION

TERRASMA TF2P

SCALE: NTS

XD_STRUCT_TERRASMA_TF2P_RACK SECT & REAR ELEV 2017-12-04

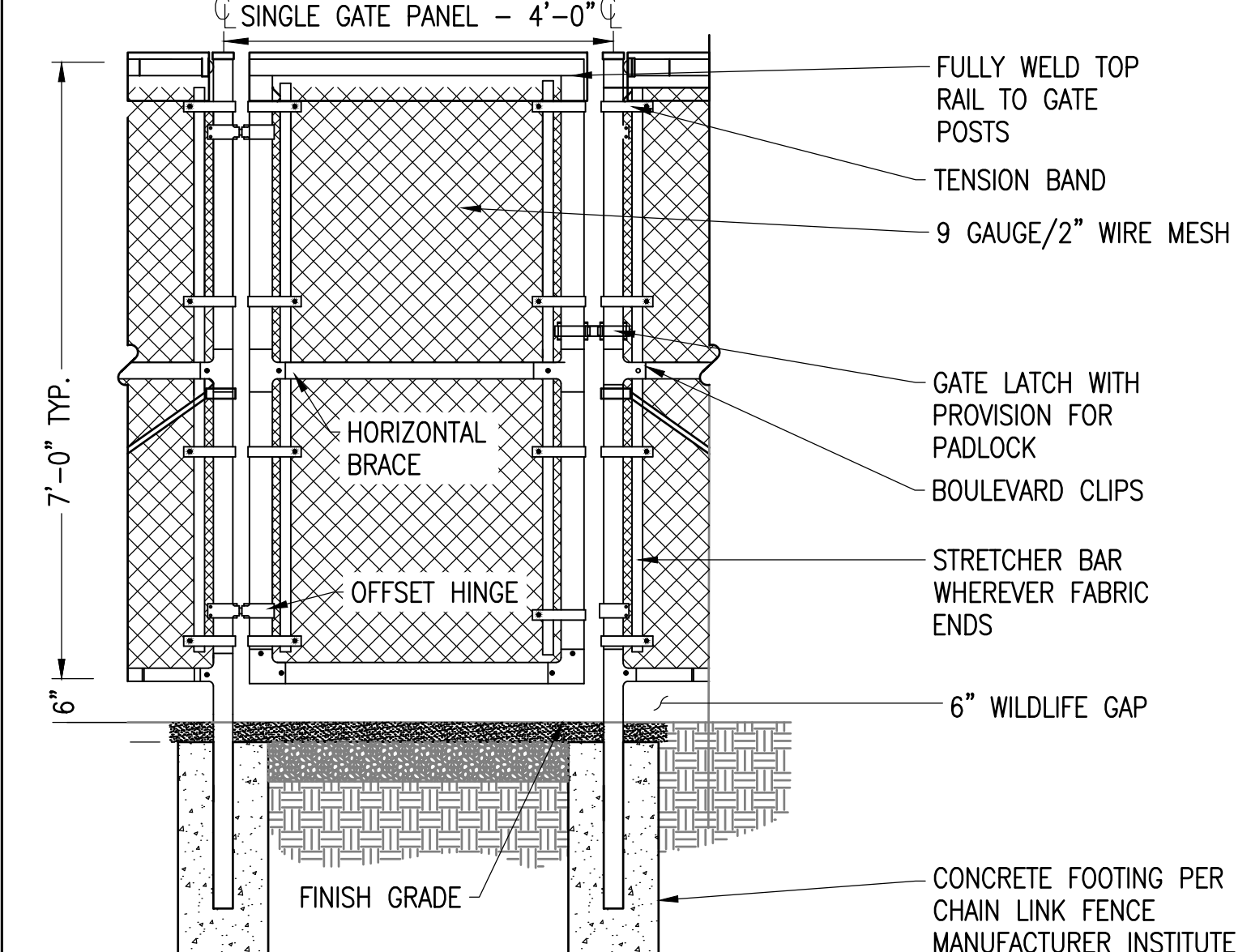


NOTE: MAY BE USED WHEREVER EROSION CONTROL IS SPECIFIED AT THE DISCRETION OF THE CONTRACTOR.

MULCH TUBE

SCALE: NTS

XD_CIVIL_FILTERBOX_FILTER SOCK 03-29-2016



NOTE: FABRIC SHALL BE GALVANIZED

4-MAN GATE - WILDLIFE GAP

SCALE: NTS

XD_CIVIL_SITE CONSTRUCTION_4-MAN 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.



BORREGO SOLAR

55 TECHNOLOGY DRIVE, SUITE 102
LOWELL, MA 01851
PHONE: (888) 898-6273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION



Charles D. Smith
2/19/21

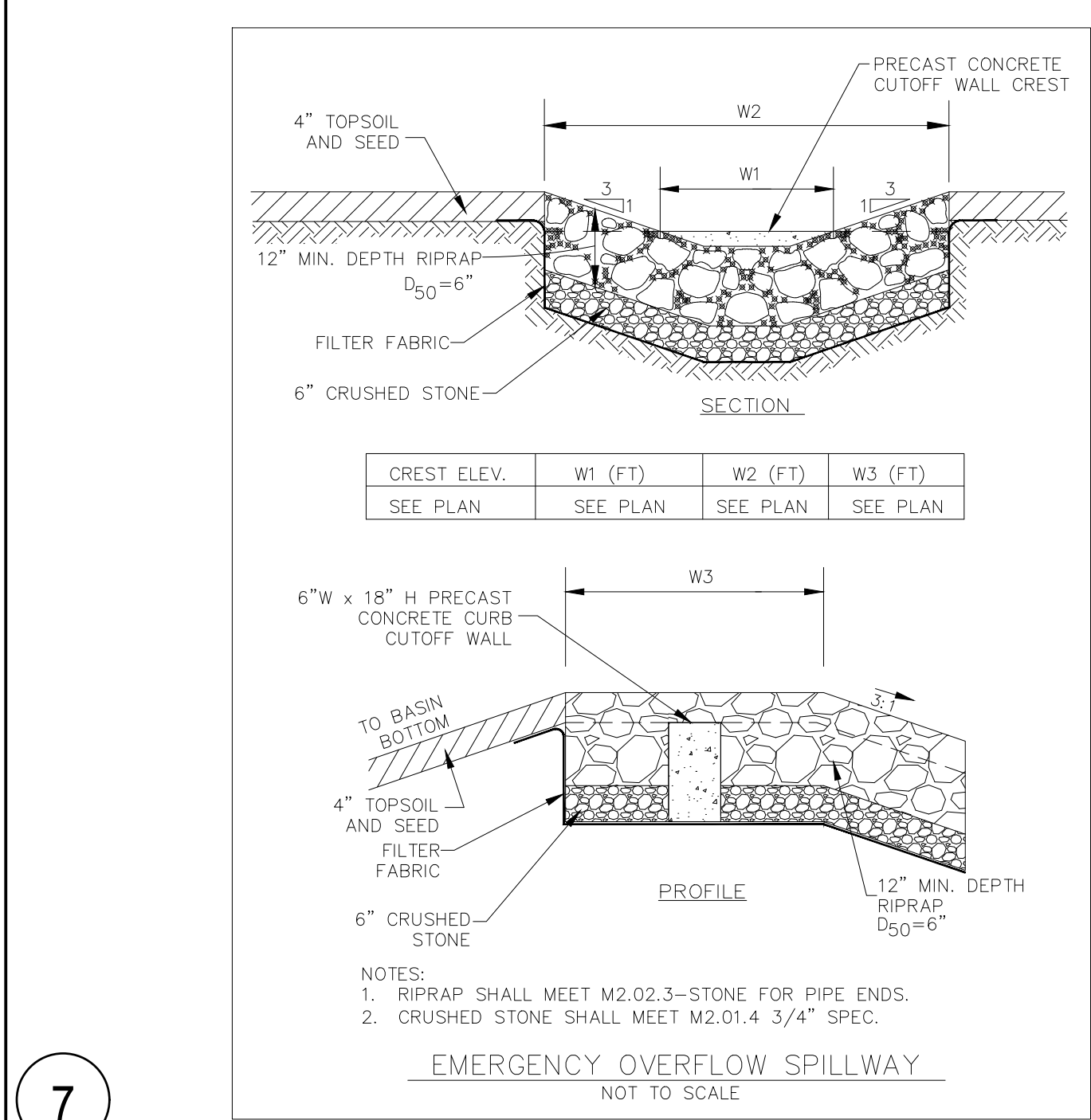
SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

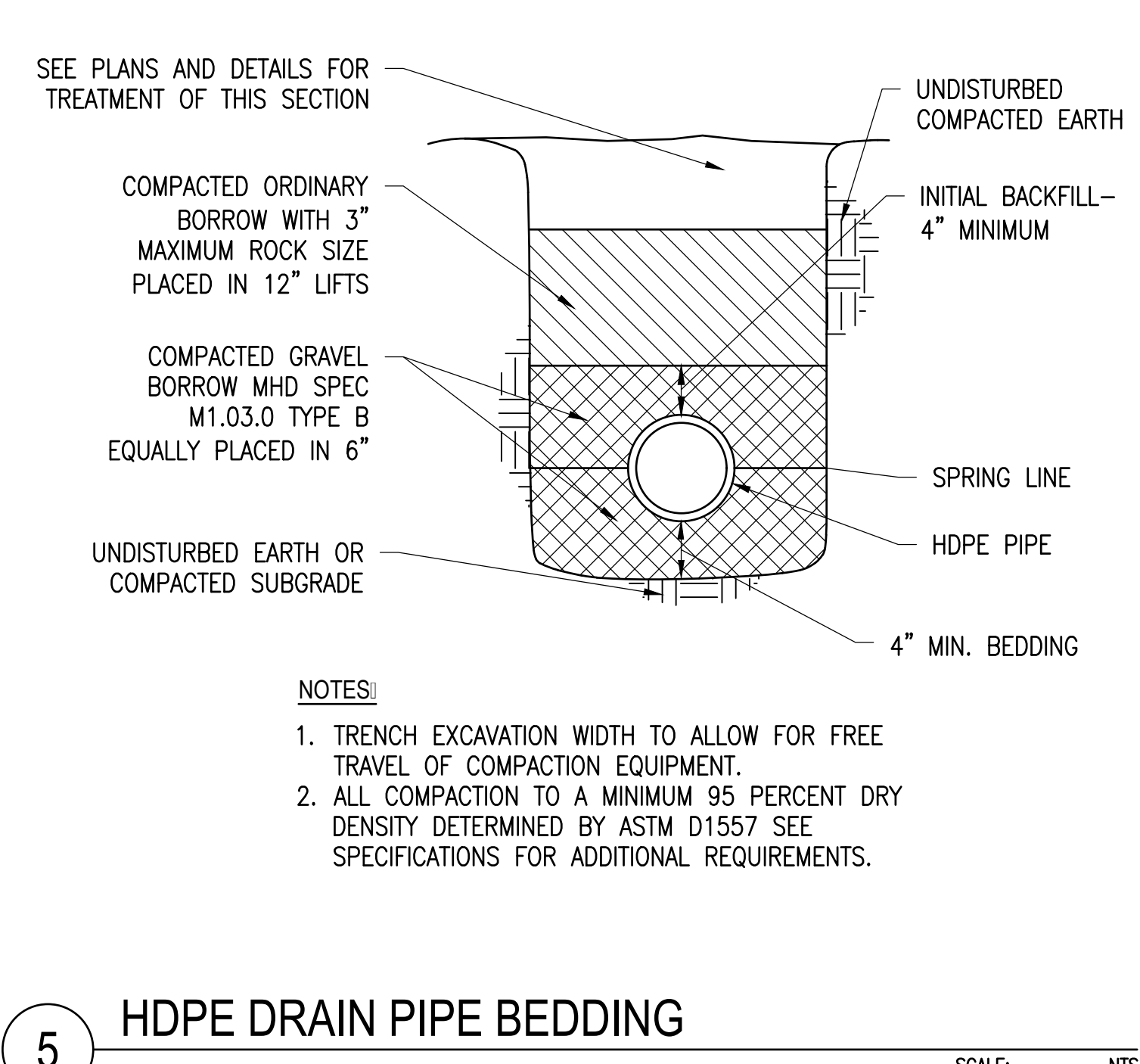
REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/02/20	WS	CDS	ISSUED FOR LOCAL PERMITTING	
08/19/20	WS	CDS	CREATE SIGHT LINE EXHIBIT	
01/19/21	WS	JM	RESUBMISSION TO LOCAL A/HJ	
02/02/21	WS	JM	ADDRESS PEER REVIEW COMMENTS	
02/19/21	WS	JM/DS	ADDRESS PEER REVIEW COMMENTS	

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

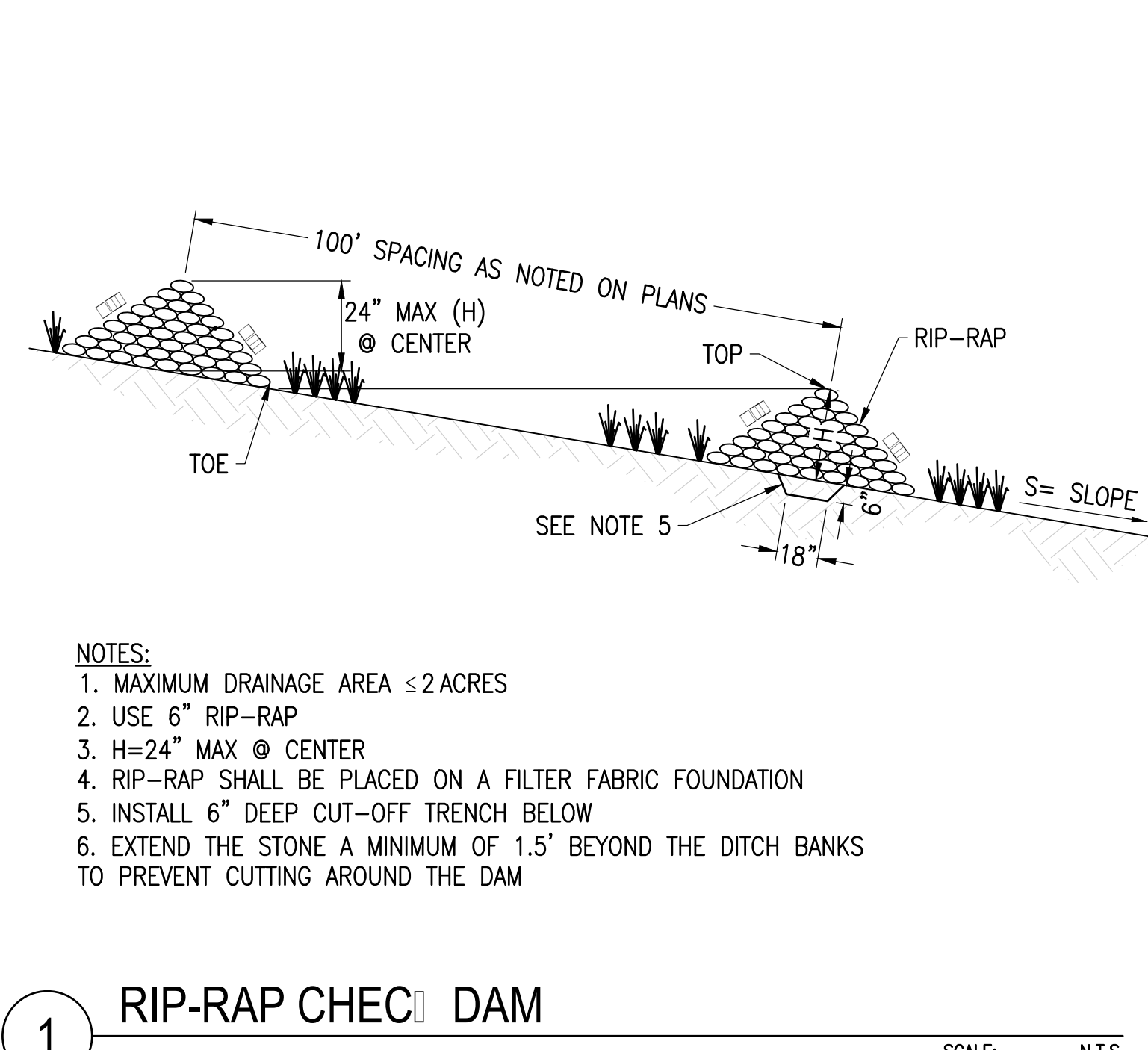
C-5.0
CIVIL DETAILS



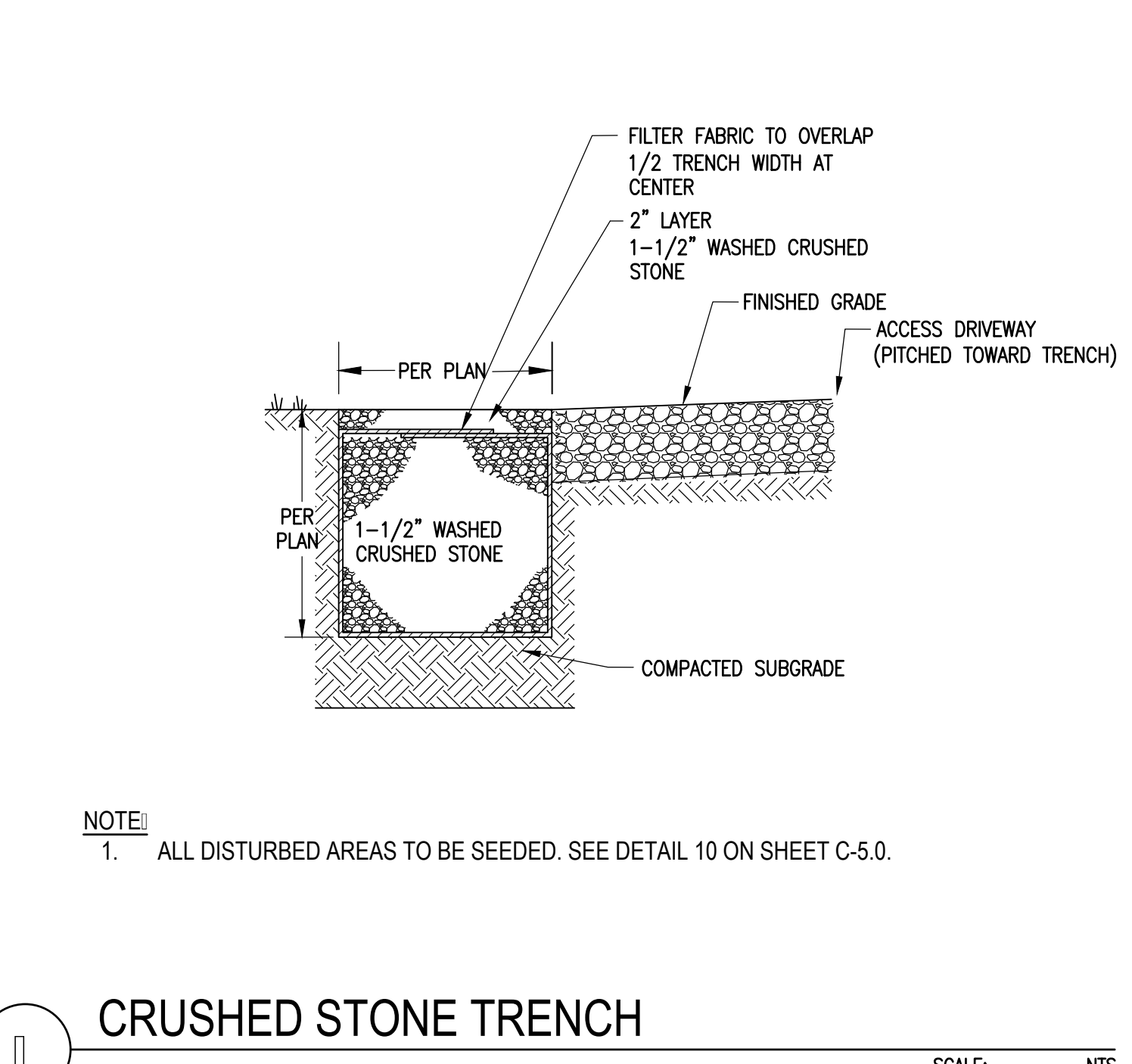
7



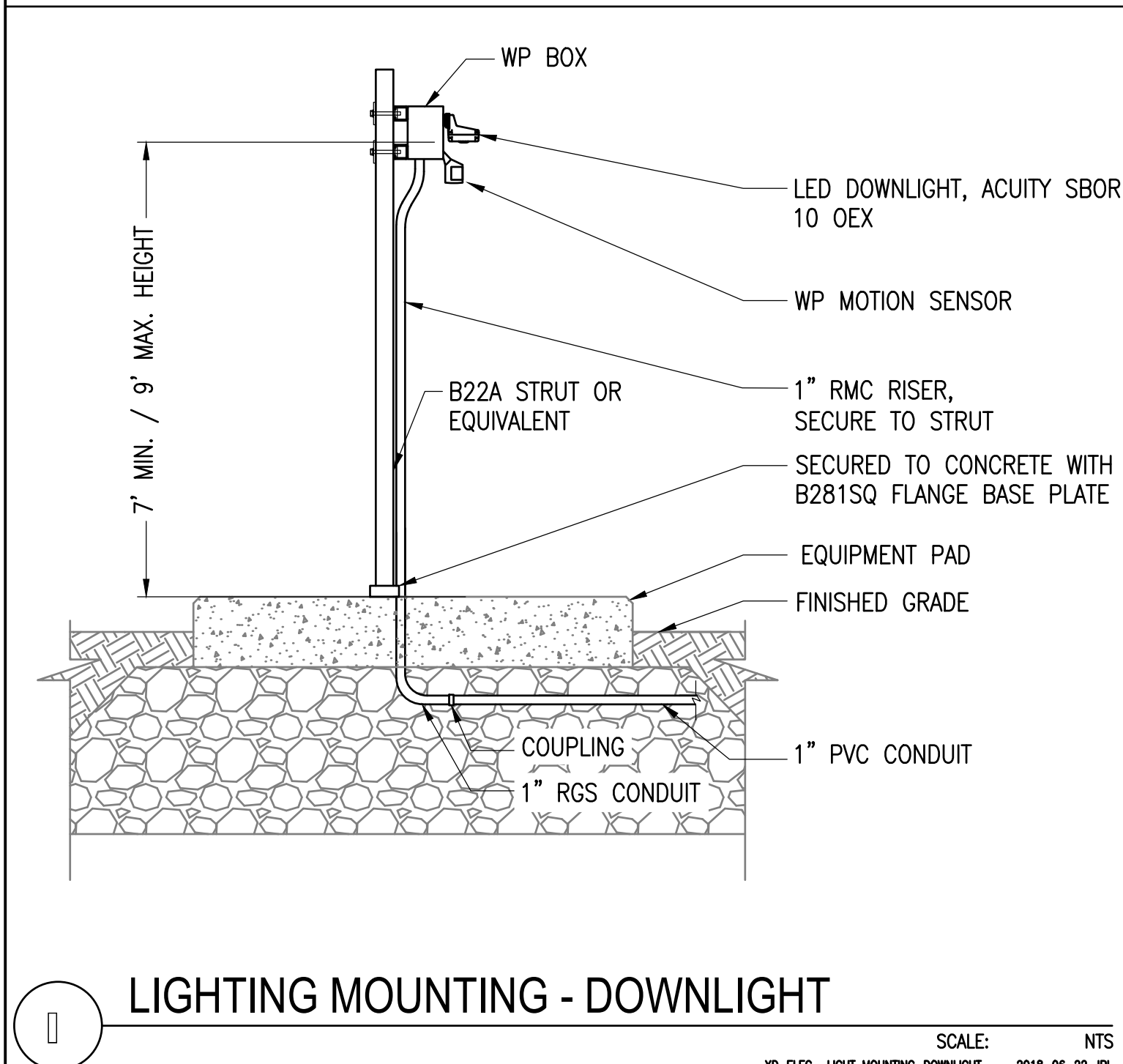
5 HDPE DRAIN PIPE BEDDING



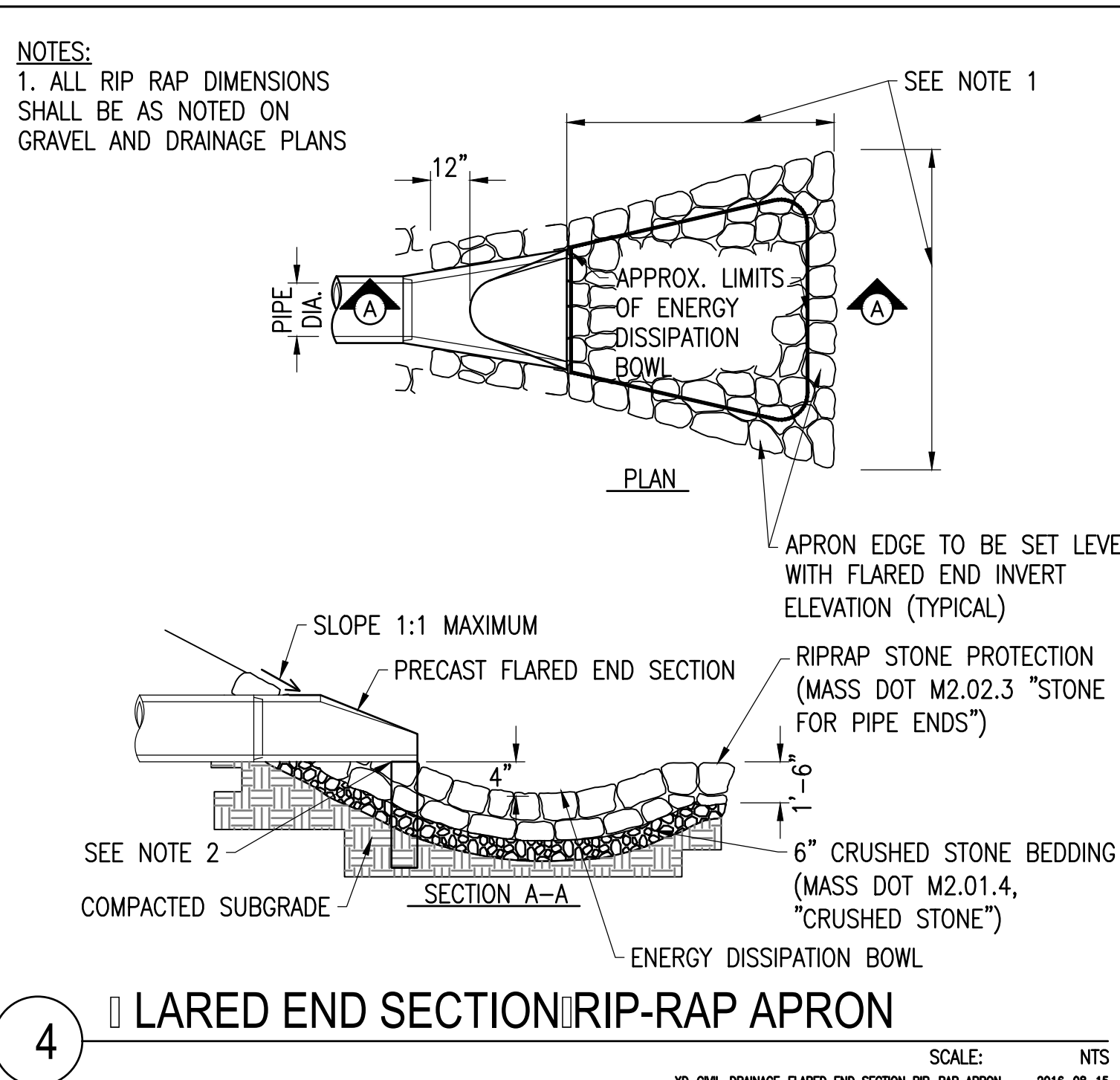
1 RIP-RAP CHECK DAM



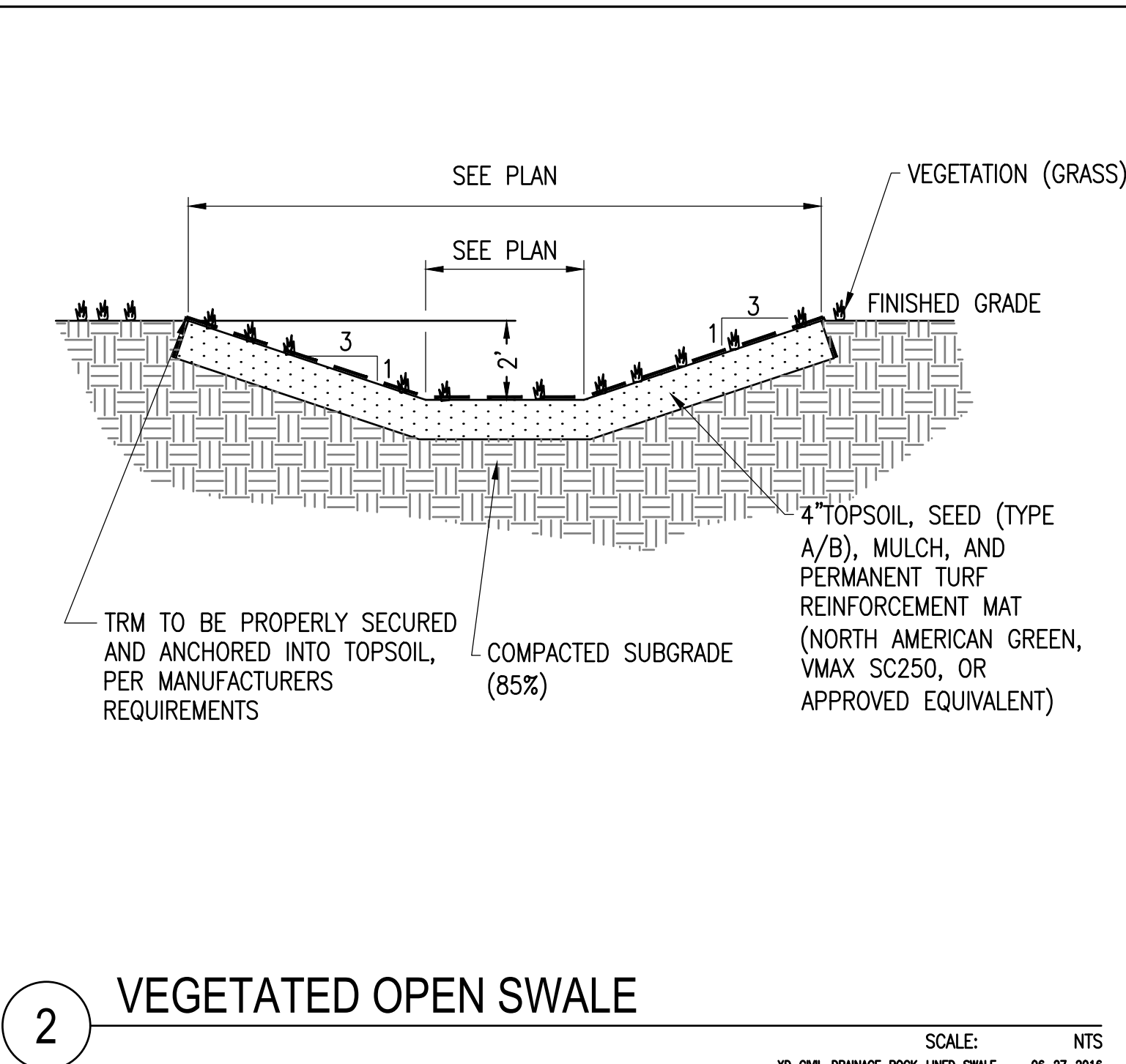
1 CRUSHED STONE TRENCH



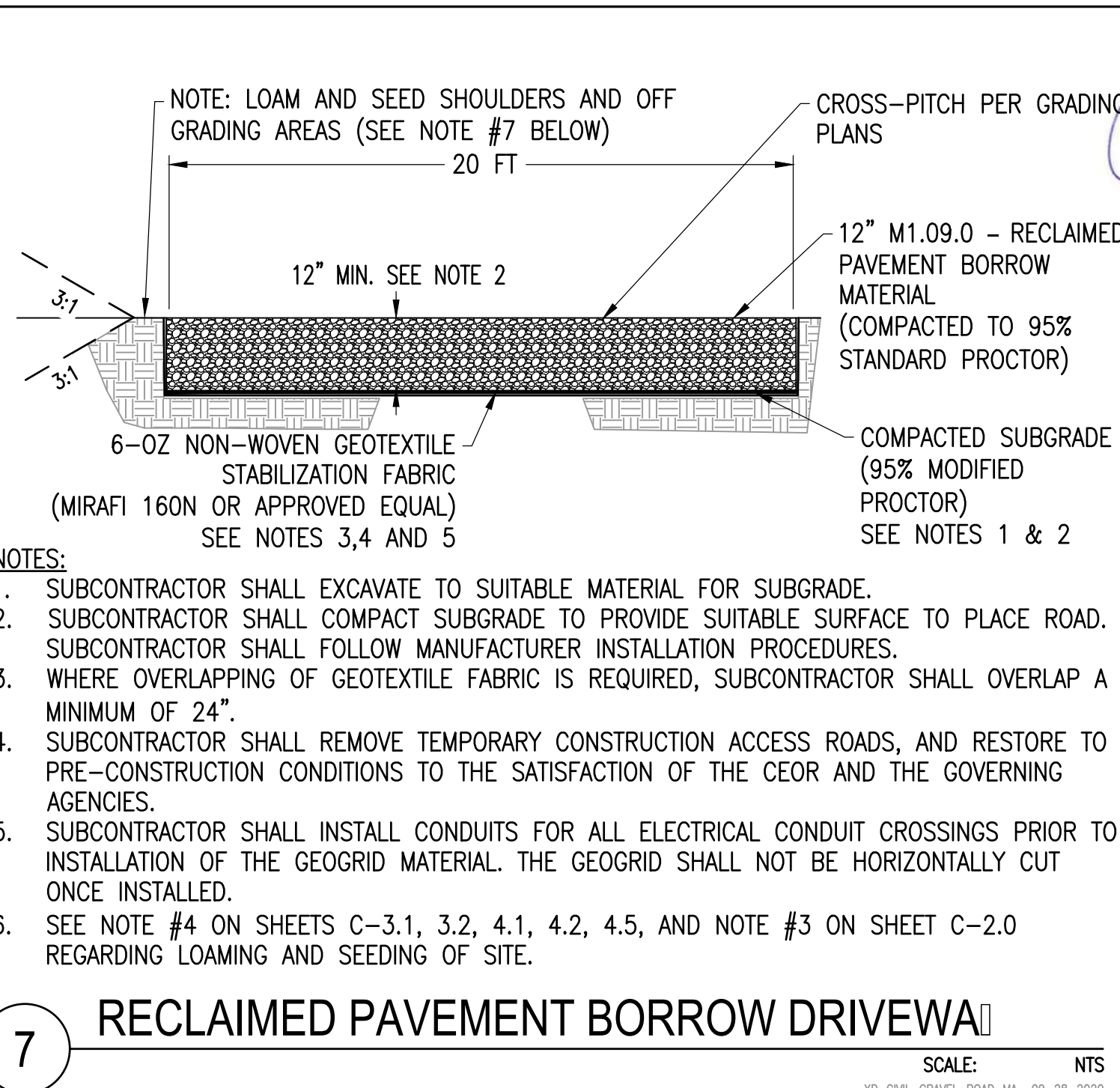
1 LIGHTING MOUNTING - DOWNLIGHT



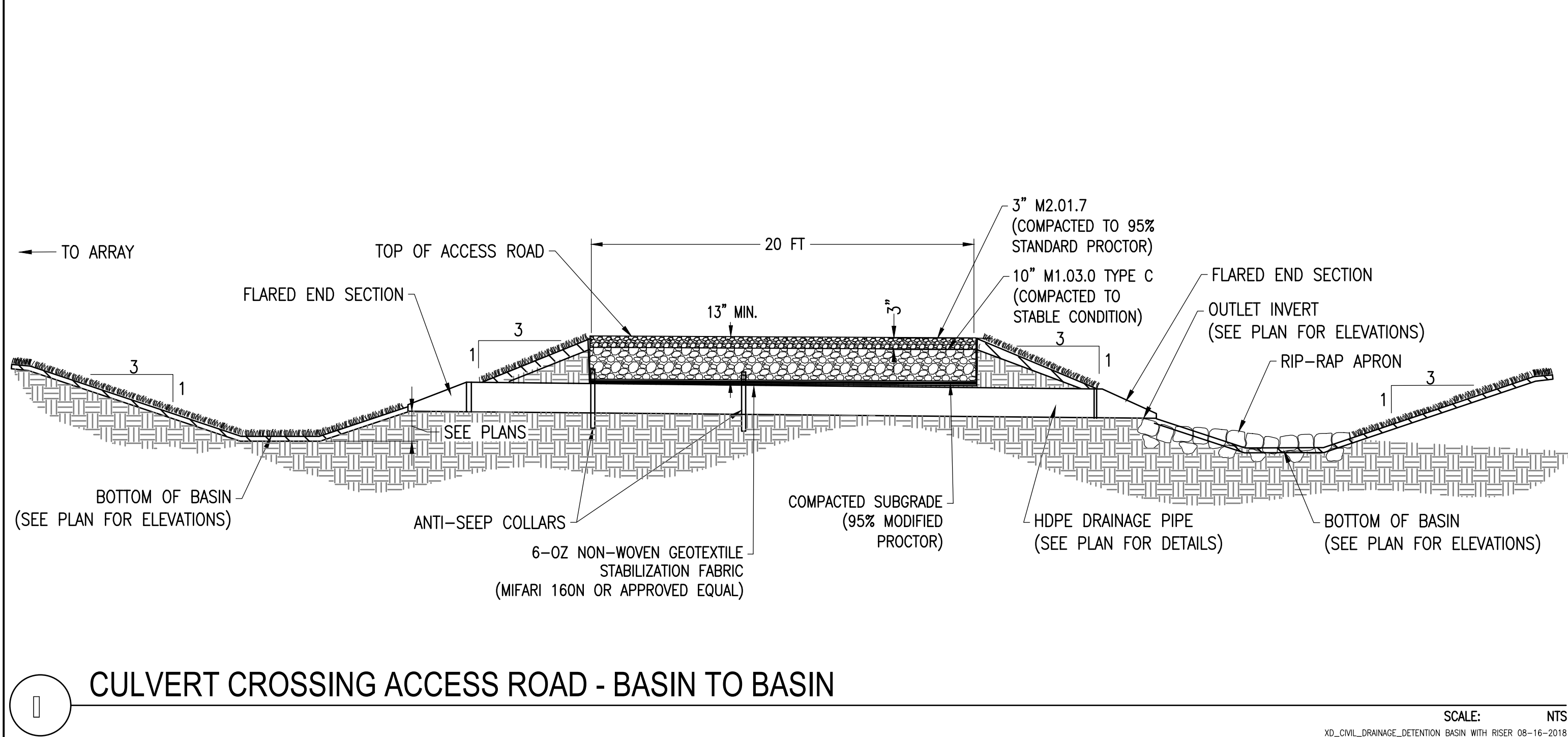
4 FLARED END SECTION RIP-RAP APRON



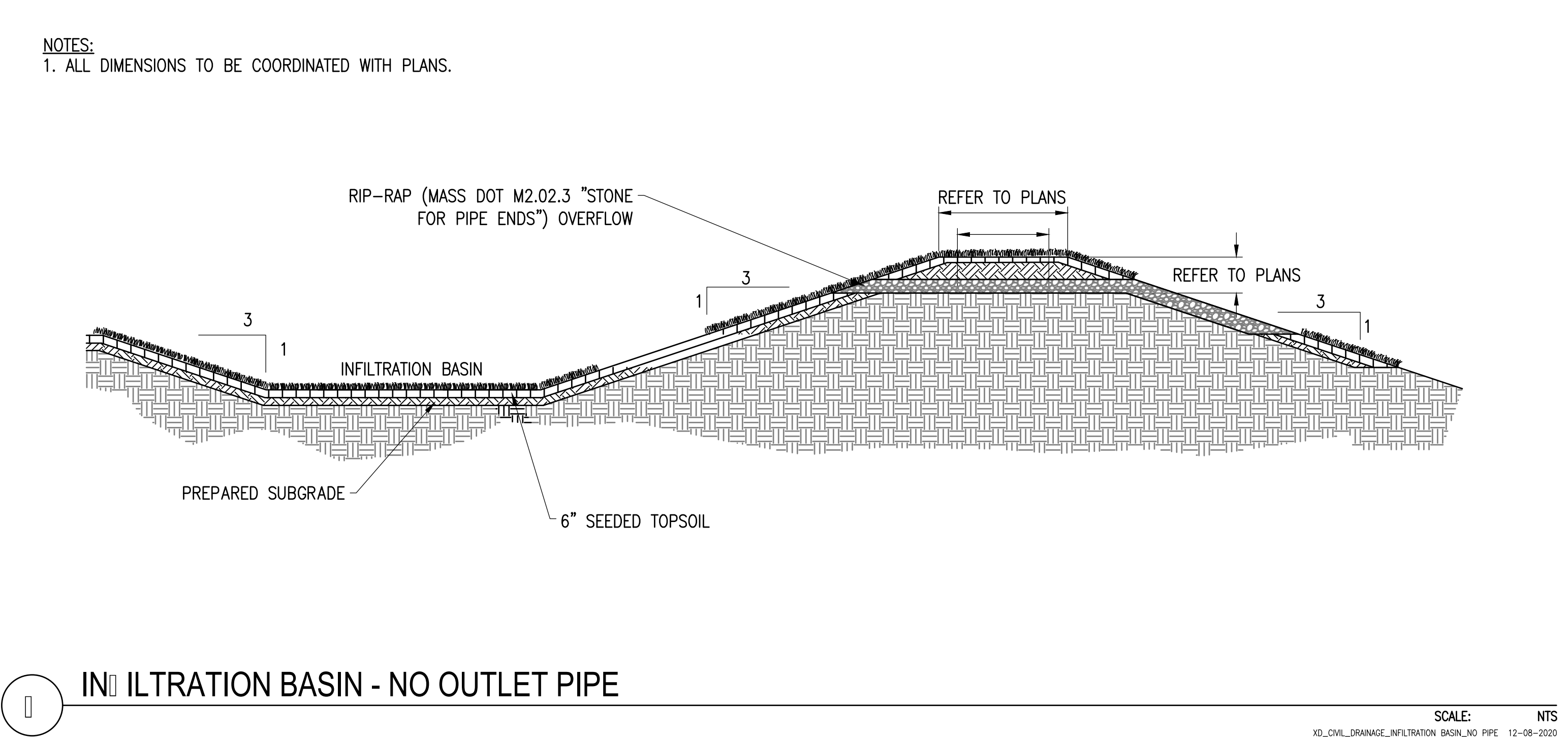
2 VEGETATED OPEN SWALE



7 RECLAIMED PAVEMENT BORROW DRIVEWAY



1 CULVERT CROSSING ACCESS ROAD - BASIN TO BASIN



1 INFILTRATION BASIN - NO OUTLET PIPE

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: (988) 808-4273
FAX: (988) 843-6778
WWW.BORREGOSOLAR.COM

NOT FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS
CHARLES D. SMITH
CIVIL
No. 52136
REGISTERED PROFESSIONAL ENGINEER

SITE USE PLAN
140 THONET ROAD
WAREHAM, MA 02571

PROJECT NUMBER:
905-2708

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
06/02/20	WS	CDS		ISSUED FOR LOCAL PERMITTING
08/19/20	WS	CDS		CREATE SIGHT LINE EXHIBIT
01/19/21	WS	JM		RESUBMISSION TO LOCAL A/HJ
02/02/21	WS	JM		ADDRESS PEER REVIEW COMMENTS
02/19/21	WS	JM/DS		ADDRESS PEER REVIEW COMMENTS

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

C-5.1
CIVIL DETAILS

