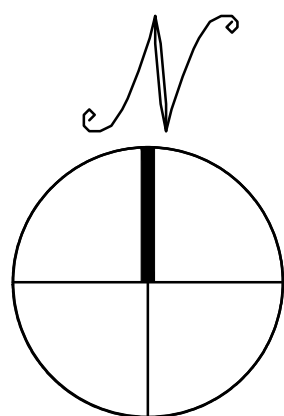


SITE USE PERMIT SET

381 N. HIGHLAND AVE, OSSINING, NY 10562

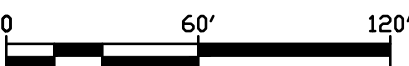
4MW/15MWH STC RATED ENERGY STORAGE SYSTEM

[illegible]



EXISTING CONDITIONS PLAN

SCALE: 1" = 60'



LEGEND		
---	---	PROPERTY LINE
---	---	SUBJECT PROPERTY LINE
---	---	PROPERTY LINE SETBACK

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LOWELL, MA 01851
PHONE: (888) 898-4273
FAX: (888) 843-6778
WWW.BORREGOSOLAR.COM

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OSSINING, NY 10562

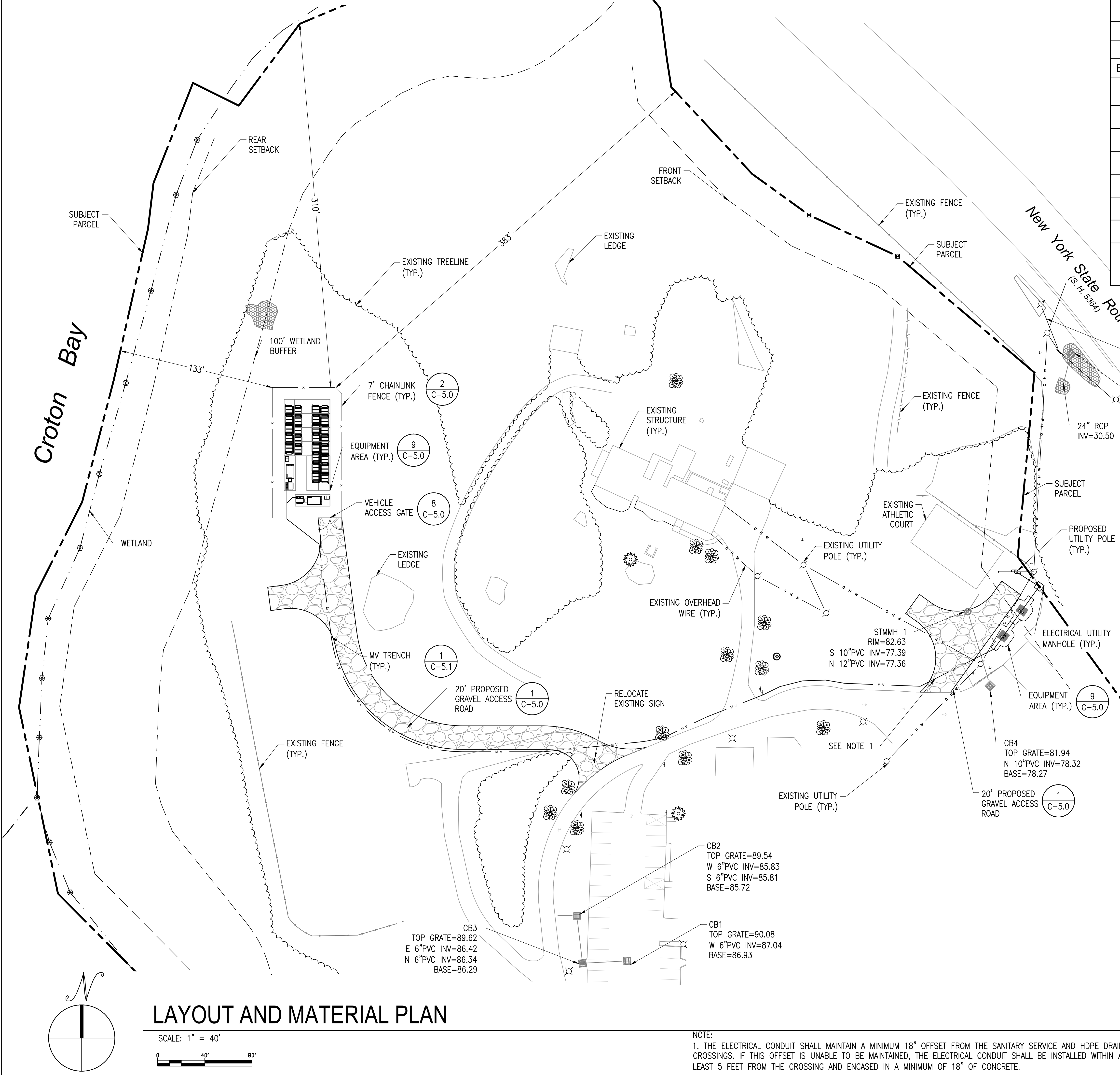
PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET	PER TOWN COMMENTS
	10/16/20	DC	GG			
	10/22/20	DC	GG			

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

C-1.0

EXISTING CONDITIONS PLAN



ZONING SUMMARY TABLE				
PARCEL NUMBER(S): 80.18-2-1				
ZONING DISTRICT: R-20 ONE-FAMILY RESIDENCE DISTRICT				
BYLAW SECTION	UNITS	REQUIRED	PROVIDED	NOTES
MINIMUM LOT AREA	SQUARE FEET	20,000	1,228,392	NONE
LOT WIDTH	FEET	100	1850	NONE
LOT DEPTH	FEET	130	830	NONE
FRONT YARD	FEET	30	383	FROM FENCE
SIDE YARD	FEET	16	310	FROM FENCE
REAR YARD	FEET	34	133	FROM FENCE
MAX COVERAGE	%	22	1	STRUCTURES
MAXIMUM HEIGHT	FEET	35	10	TOP OF SYSTEM

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SITE USE PERMIT
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OSSINING, NY 10562

PROJECT NUMBER:
908-1684

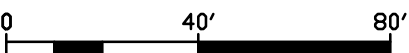
REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET	PER TOWN COMMENTS
	10/16/20	DC	GG	GG		
	10/22/20	DC	GG	GG		

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

C-3.0
LAYOUT AND MATERIAL PLAN

LAYOUT AND MATERIAL PLAN

SCALE: 1" = 40'



NOTE:
1. THE ELECTRICAL CONDUIT SHALL MAINTAIN A MINIMUM 18" OFFSET FROM THE SANITARY SERVICE AND HDPE DRAIN PIPE CROSSINGS. IF THIS OFFSET IS UNABLE TO BE MAINTAINED, THE ELECTRICAL CONDUIT SHALL BE INSTALLED WITHIN A LARGER SLEEVE AT LEAST 5 FEET FROM THE CROSSING AND ENCASED IN A MINIMUM OF 18" OF CONCRETE.

SYSTEM AREA INSET
SCALE: 1" = 20'

LEGEND	
	PROPERTY LINE
	SUBJECT PROPERTY LINE
	PROPERTY LINE SETBACK



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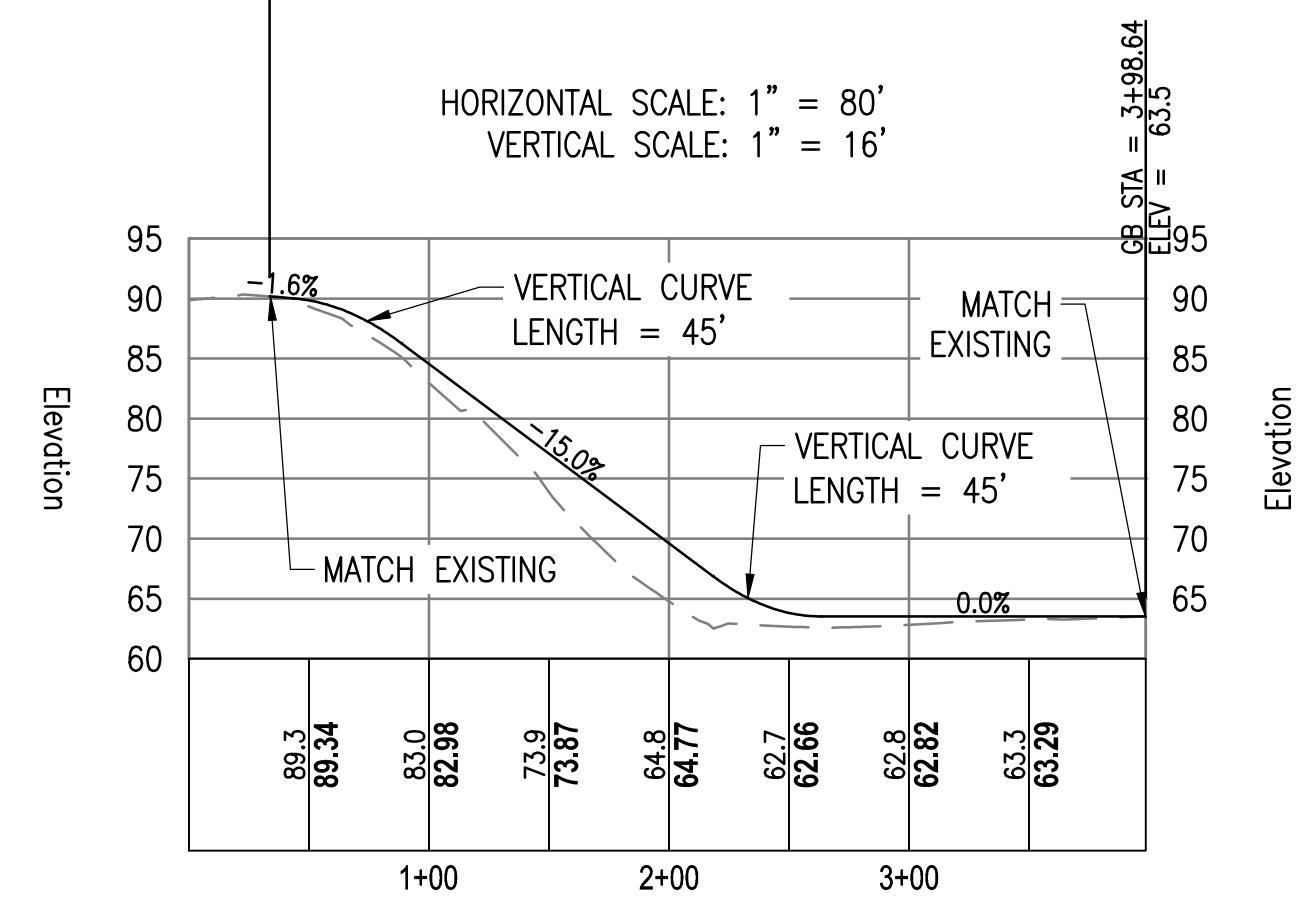
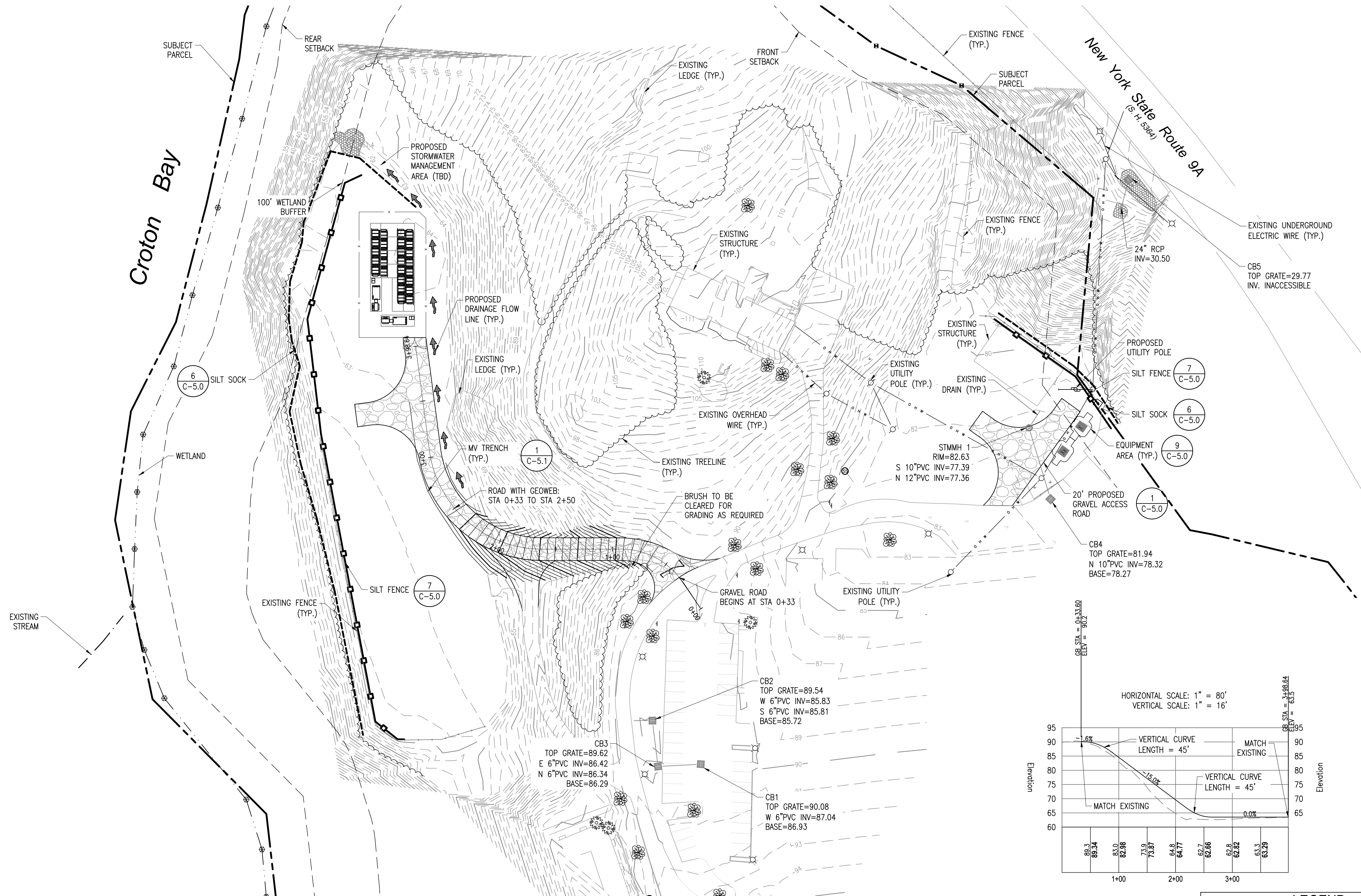
SITE USE PERMIT
381 N HIGHLAND AVE
OSSINING, NY 10562

PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET	PER TOWN COMMENTS
	10/16/20	DC	GG	GG		
	10/22/20	DC	GG	GG		

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

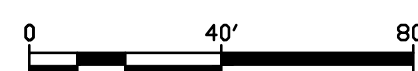
C-4.0
GRADING EROSION AND
SEDIMENT CONTROL PLAN

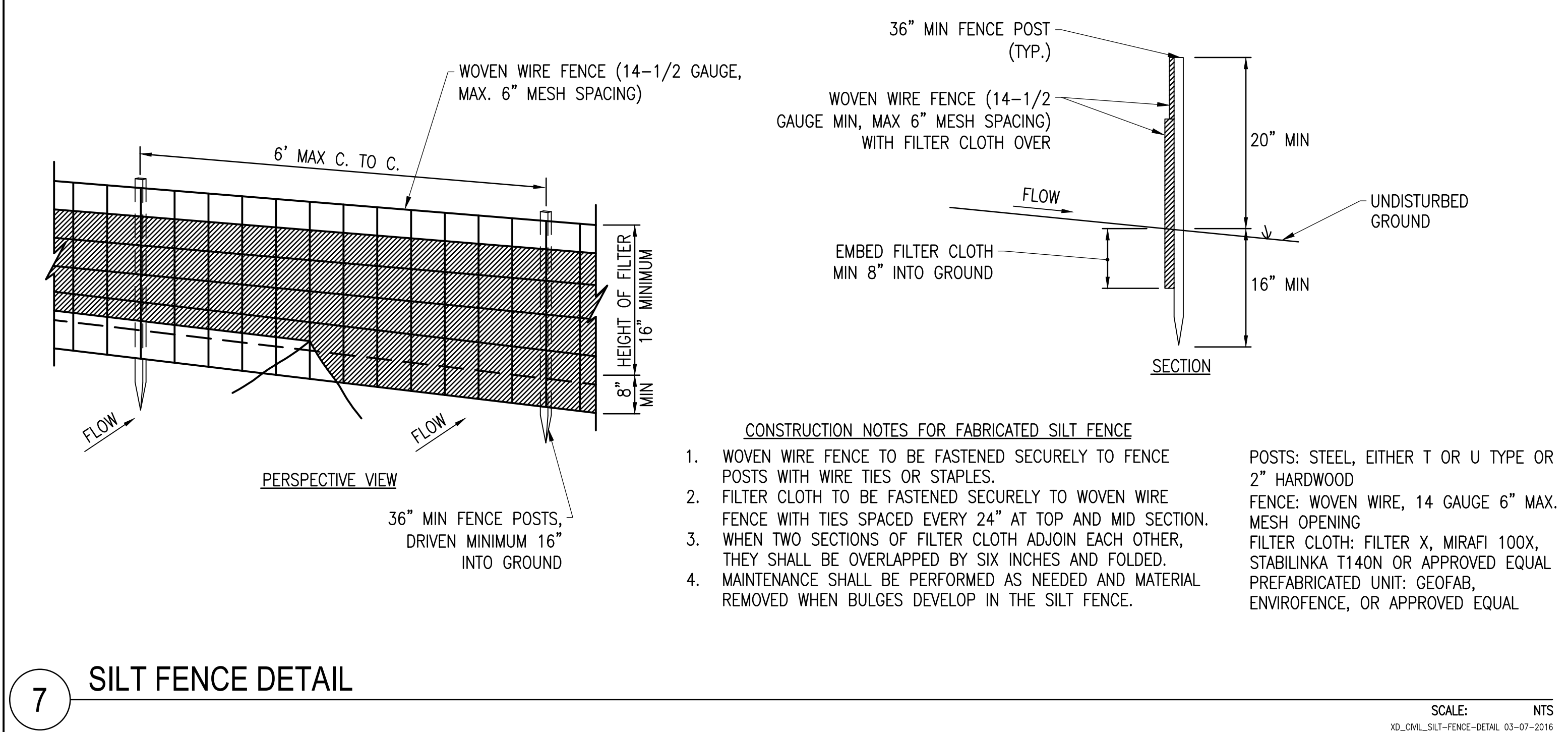


LEGEND	
	PROPERTY LINE
	SUBJECT PROPERTY LINE
	PROPERTY LINE SETBACK
	WETLANDS
	SILT FENCE
	MULCH TUBE
	DRAINAGE FLOW DIRECTION

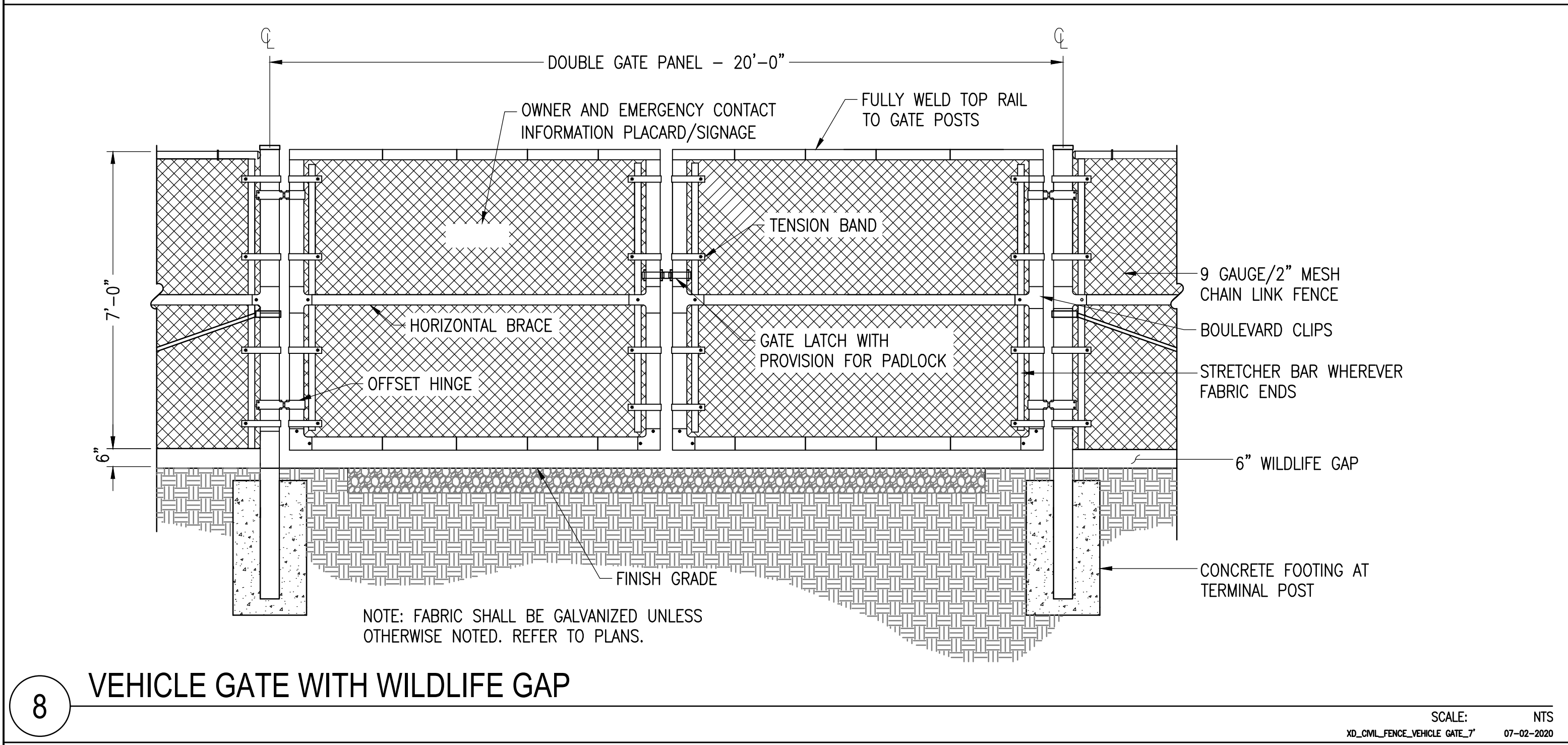
GRADING EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 40'

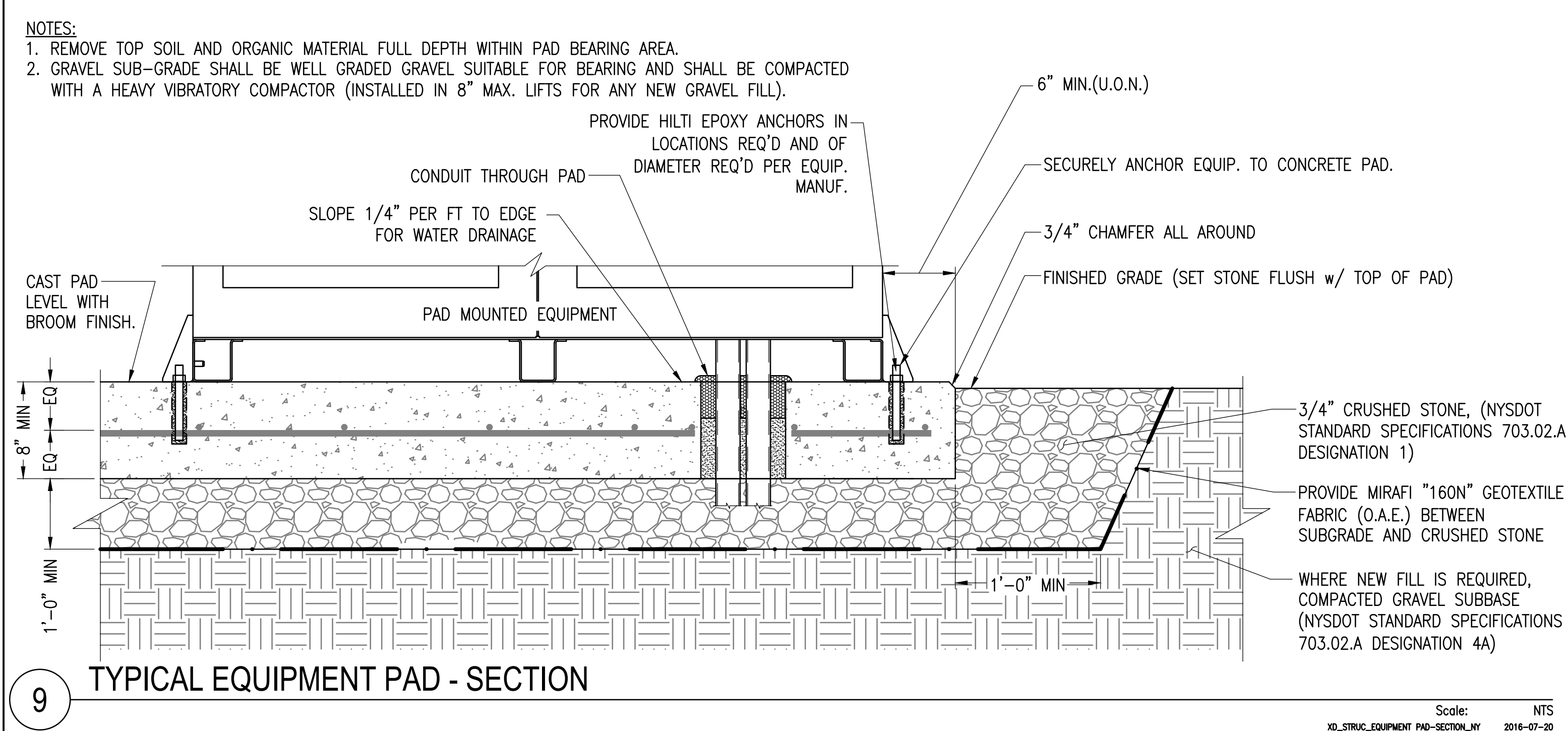




7 SILT FENCE DETAIL



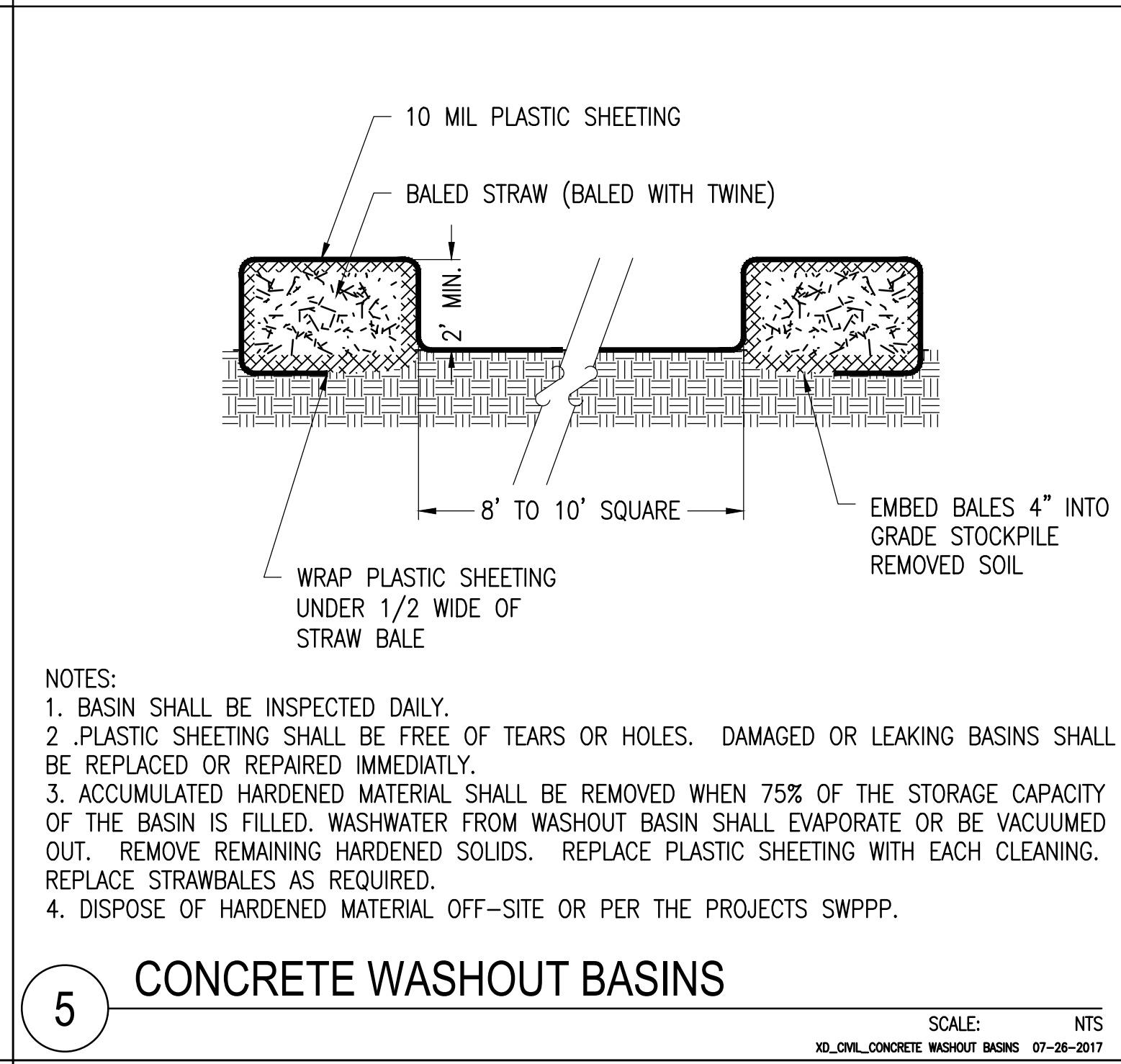
8 VEHICLE GATE WITH WILDLIFE GAP



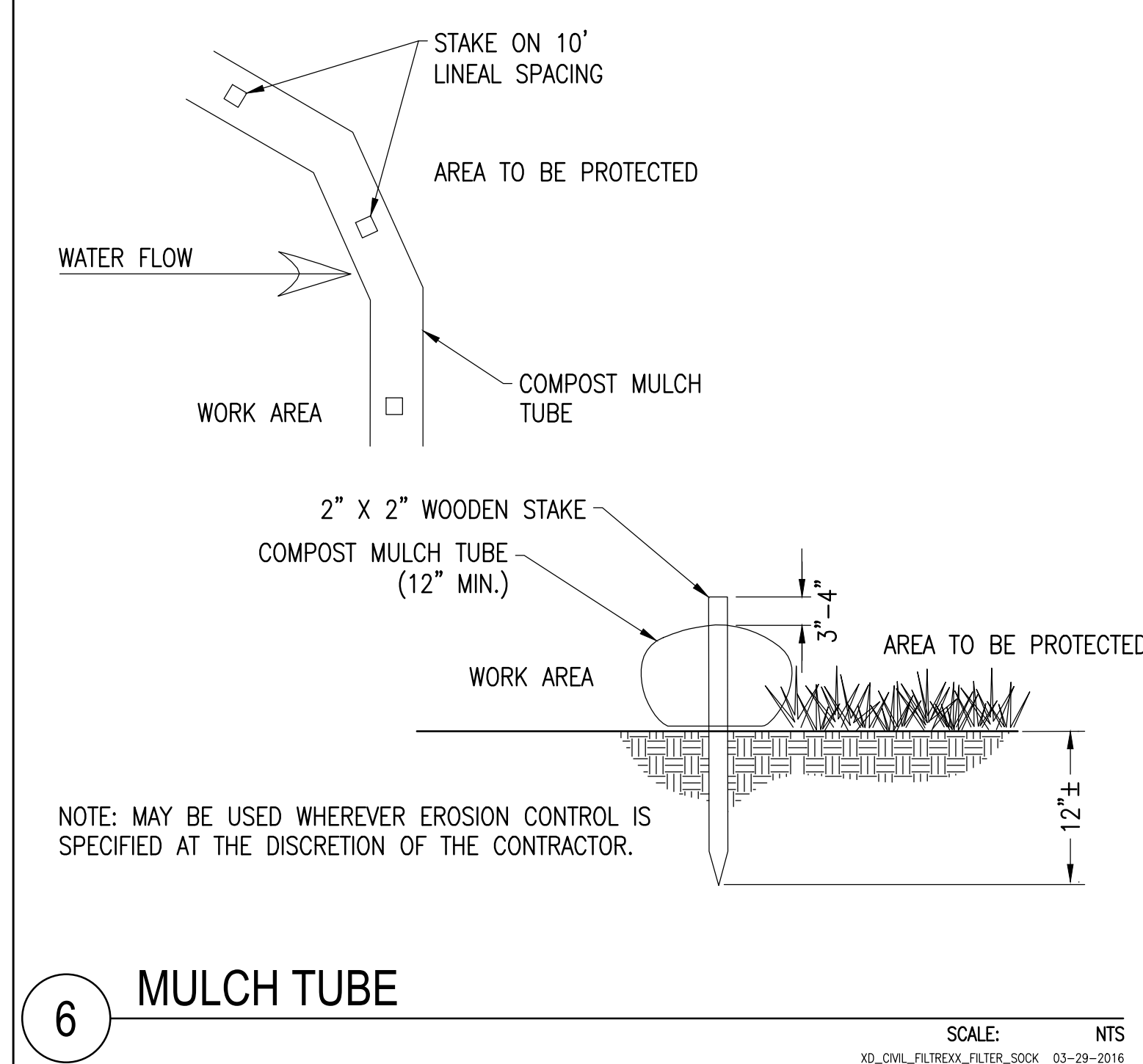
9 TYPICAL EQUIPMENT PAD - SECTION



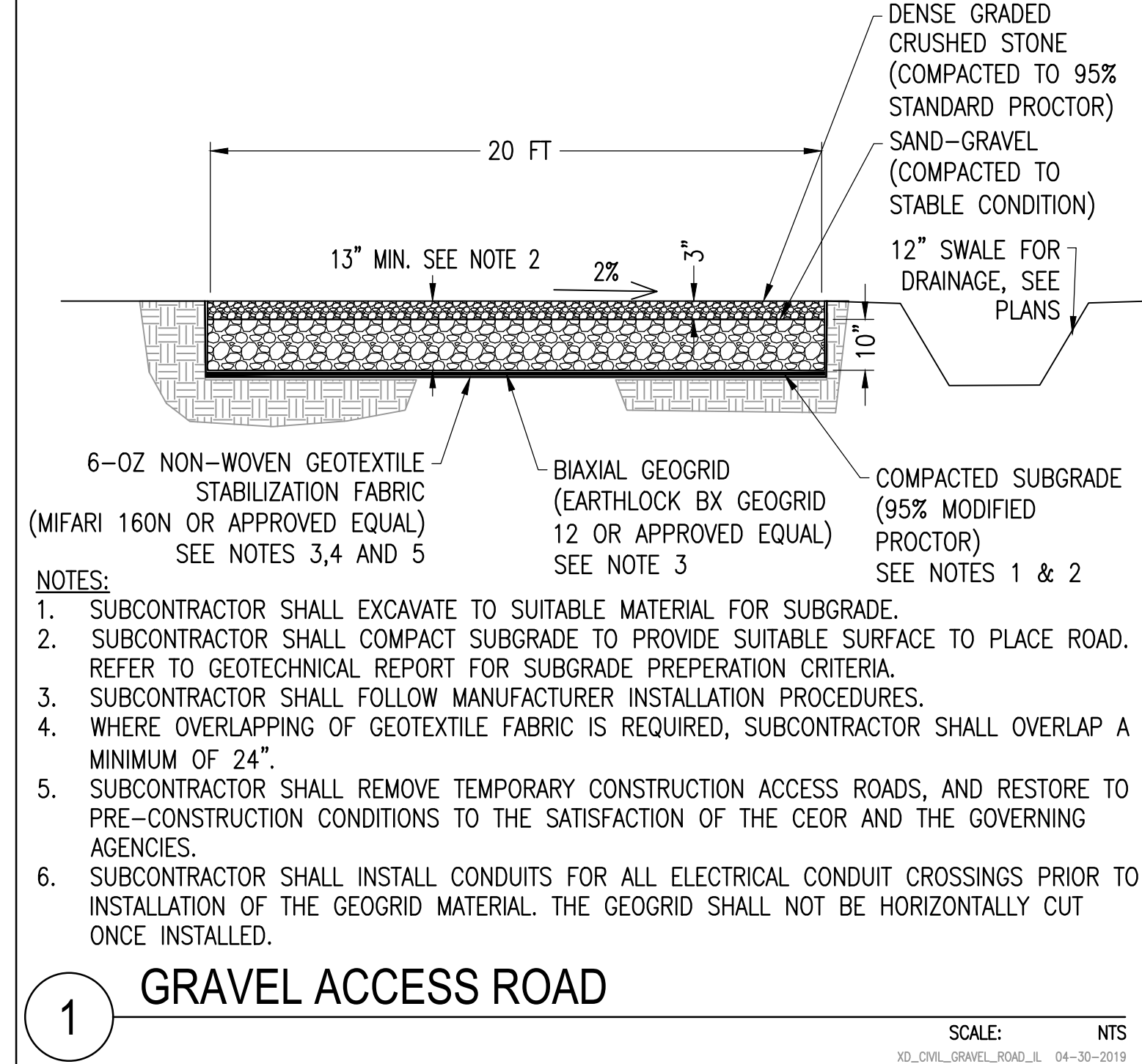
1 GRAVEL ACCESS ROAD



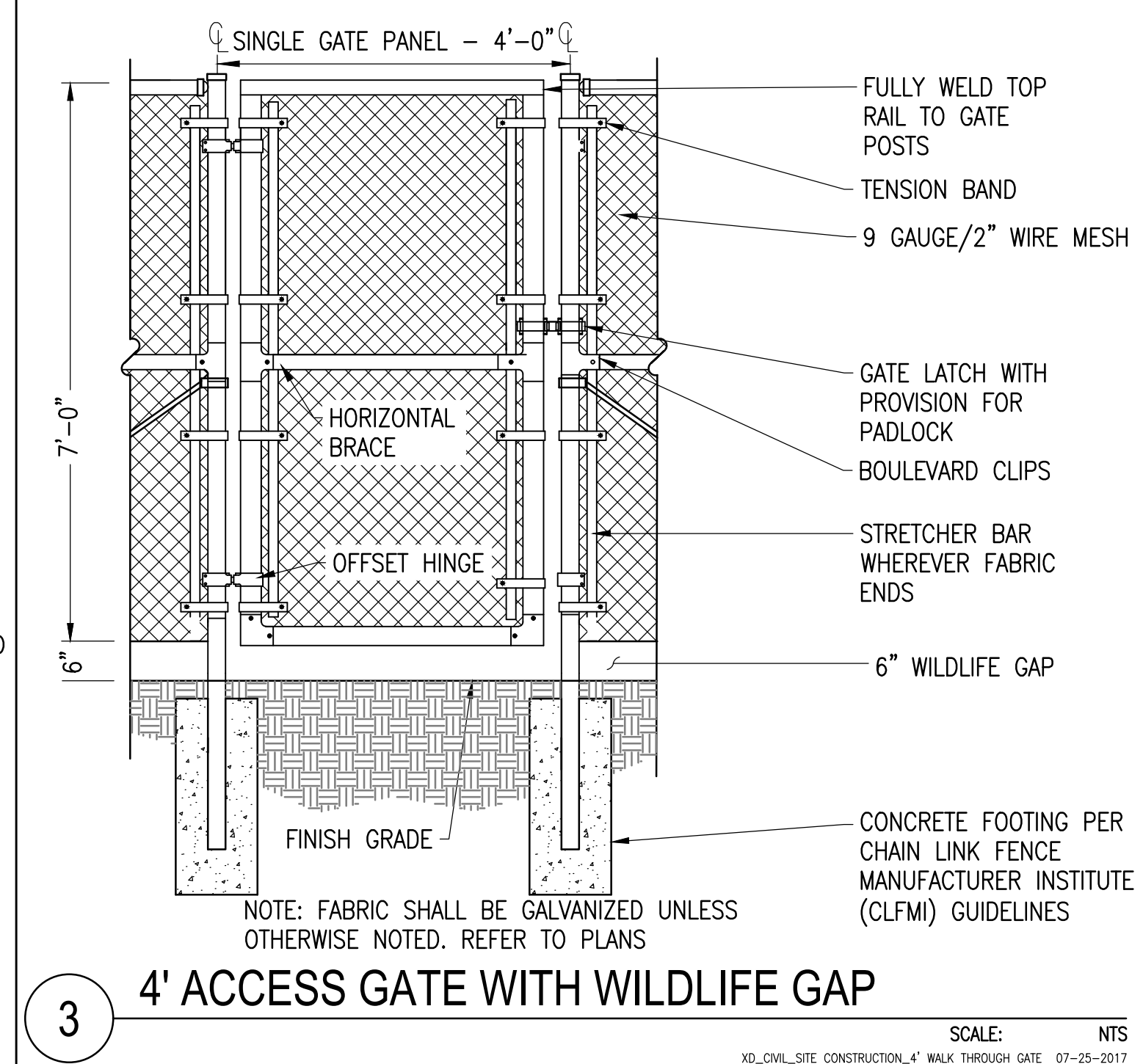
5 CONCRETE WASHOUT BASINS



6 MULCH TUBE



2 CHAIN LINK FENCE WITH WILDLIFE GAP



3 4' ACCESS GATE WITH WILDLIFE GAP

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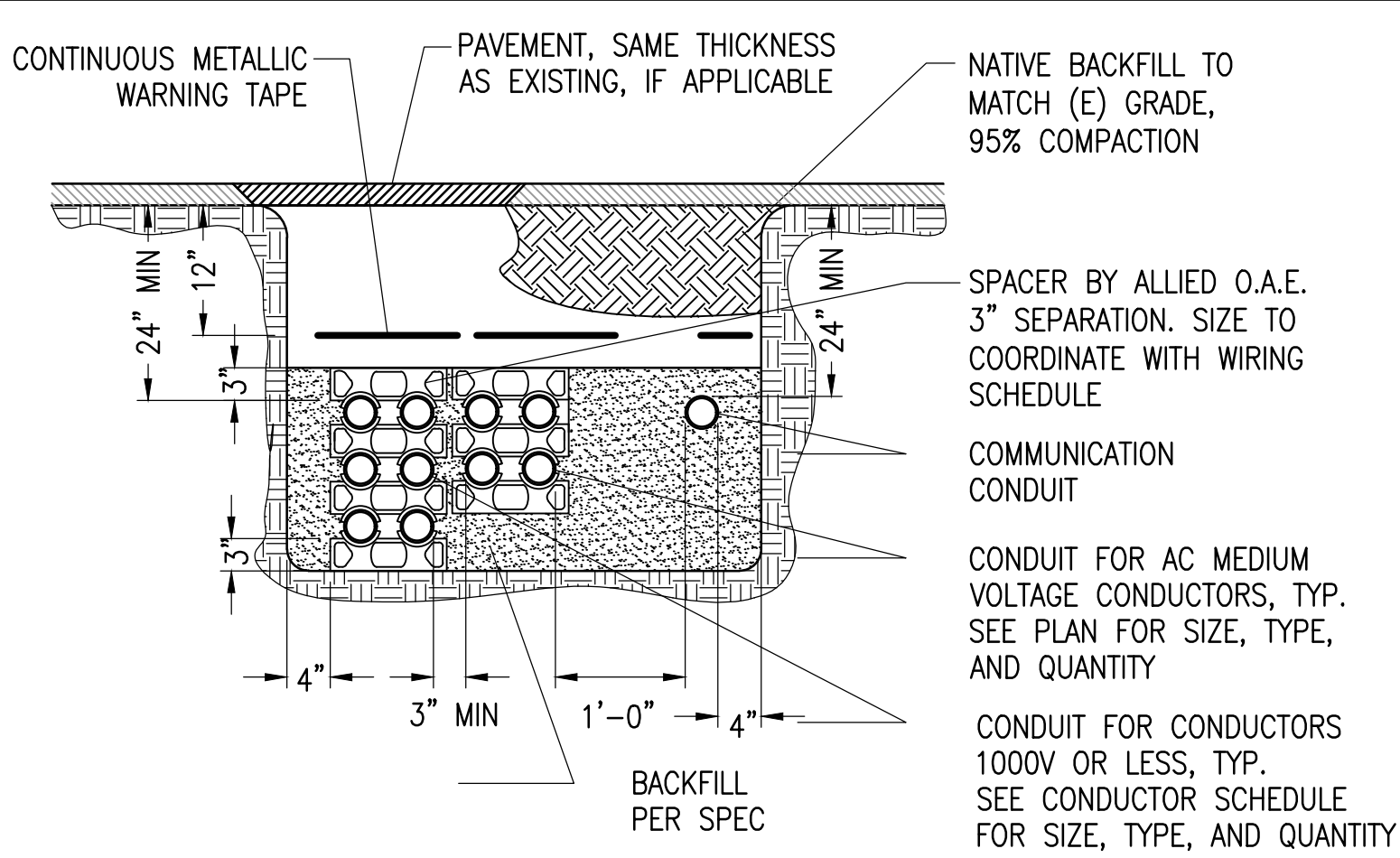
PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET	PER TOWN COMMENTS
	10/16/20	DC	GG			
	10/22/20	DC	GG			

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

C-5.0

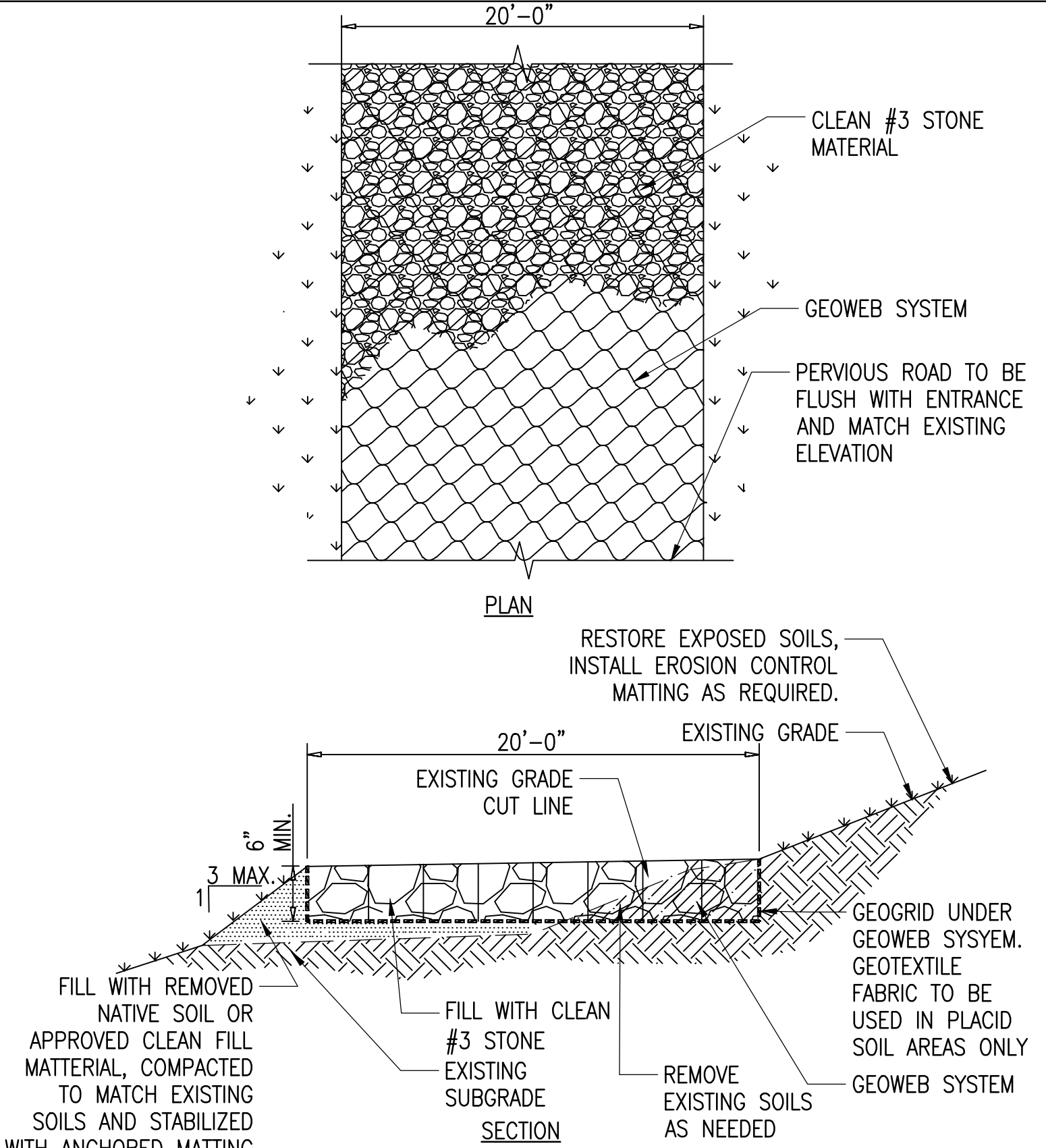
CIVIL DETAILS



- NOTES:
1. MAINTAIN A MINIMUM DISTANCE OF 1' BETWEEN CONDUIT WITH COMMUNICATION WIRING AND ANY CONDUIT WITH ELECTRIC POWER CONDUCTORS. POWER AND DATA CONDUITS MAY CROSS AND THE 1' MIN. MAY BE REDUCED FOR TRENCH SECTIONS LESS THAN 10' OR NEAR EQUIPMENT STUB-UPS.
 2. BACKFILL IN ACCORDANCE WITH ELECTRICAL SPECIFICATION SECTION 312000.

1 TYPICAL TRENCH

SCALE: NTS
XD_ELEC_TYPICAL_TRENCH 2016-10-17



2 NYSDEC LIMITED USE PERVIOUS ACCESS ROAD FOR GREATER SLOPES

- SCALE: N.T.S.
- STA 0+33 TO STA 2+50

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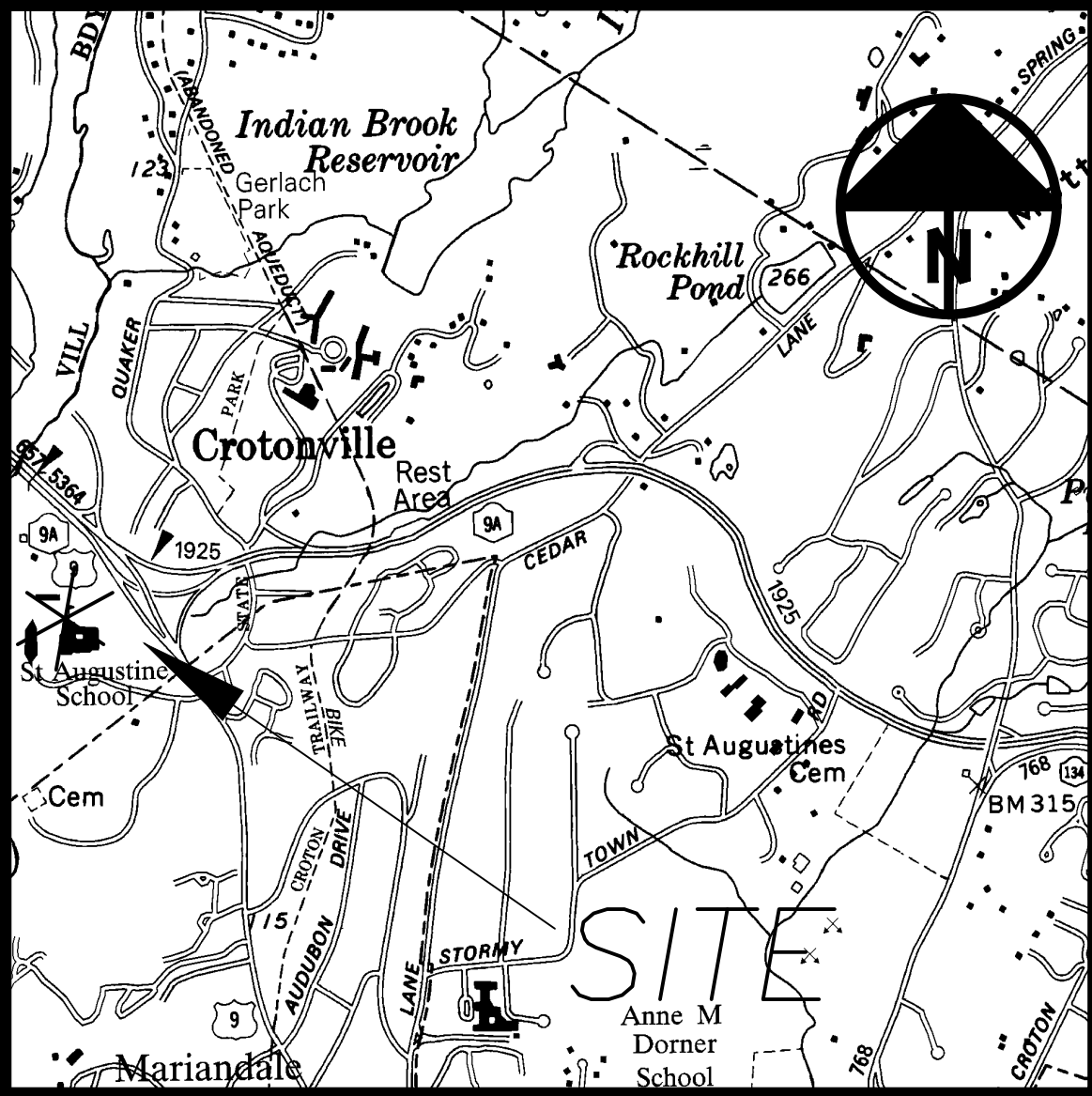
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PROJECT NUMBER:
908-1684

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET	PER TOWN COMMENTS
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	10/22/20	DC	GG			

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C-5.1
CIVIL DETAILS



Source: N.Y.S.D.O.T. Quadrangle Sheet - Ossining, NY

LEGEND

- Direction Change
- 7"x7"x7" Concrete Monument Found
- Chain Link Fence
- Board Fence
- Treeline
- Water Course/Edge Pond, Lake, River, Stream etc.
- Boundary Line
- Zoning Set-Back Line
- Utility Pole
- Guy Anchor
- Utility Line, Electric/Telephone/Cable T.V.
- Sanitary Sewer Manhole
- Storm Sewer Manhole
- Catch Basin/Drop Inlet
- County Tax Map Parcel I.D. Number
- Deciduous Tree
- Coniferous Tree
- Wetlands Flag; field located, delineated by others

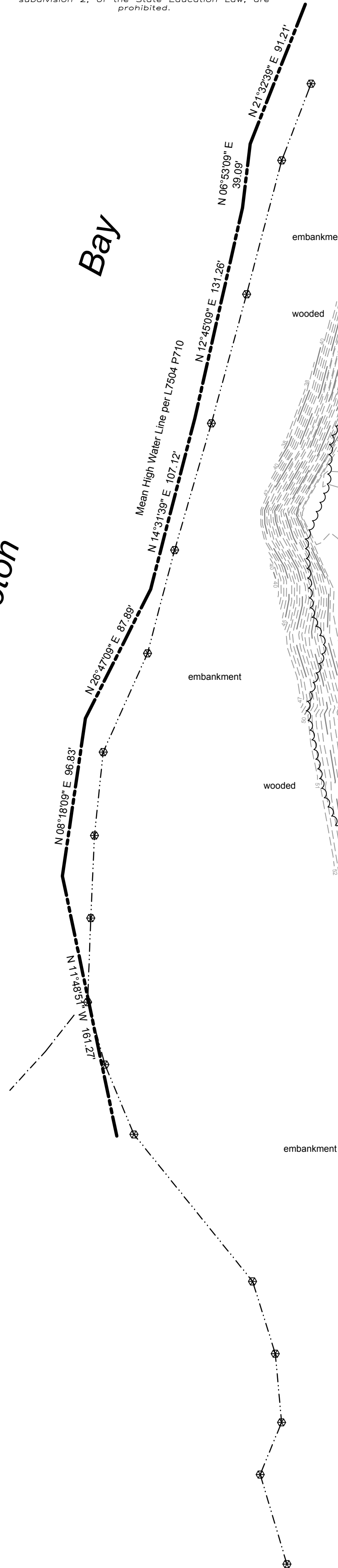
ZONING REGULATIONS

TOWN OF OSSINING
ZONE DISTRICT: R-20 (ONE FAMILY RESIDENCE)
MINIMUMS:
FRONT YARD (FEET): 30'
BOTH SIDE YARDS (FEET): 34'
REAR YARD (FEET): 34'

"Copies from the original of this survey map not marked with an original of the land surveyor's inked seal or embossed seal shall not be considered to be a valid true copy."
Alterations not conforming to section 7209, subdivision 2, of the State Education Law, are prohibited.

Bay

Croton



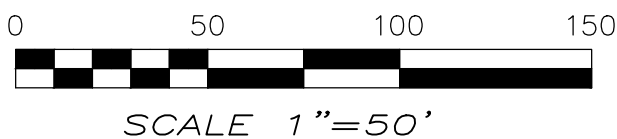
MAP REFERENCES

- 1) N.Y.S.D.O.T. MAP 11 PARCEL No. 14 OSSINING - CROTON RIVER S.H. 5364.
- 2) N.Y.S.D.O.T. MAP 25 PARCEL No. 30 OSSINING - CROTON RIVER S.H. 5364.

True North
74°30' West Longitude

SURVEY NOTES

- 1) SUBJECT TO ANY STATEMENT OF FACT AN UP TO DATE AND ACCURATE ABSTRACT OF TITLE MAY DISCLOSE
- 2) THE HORIZONTAL DATUM OF THIS MAP IS NEW YORK STATE EAST ZONE NAD 83 GPS DERIVED; NETWORK SOLUTION.
- 3) ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY MAP, COMMUNITY PANEL NO. 36119 C 0136 F, THE SURVEYED PROPERTY IS IN FLOOD ZONE "X" AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
- 4) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN LOCATED FROM AVAILABLE RECORDS, FIELD LOCATIONS OF ASSOCIATED ABOVE GROUND STRUCTURES, AND ANY MARKINGS PROVIDED BY THE CLIENT. THEREFORE, THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITIES AND/OR STRUCTURES, THE LOCATION AND EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN. LOCATION OF UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES ARE NOT CERTIFIED.
- 5) SUBJECT TO THE RIGHTS OF THE PUBLIC OVER NEW YORK STATE ROUTE 9.
- 6) IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE CONTENTS OF THE SIGNED AND SEALED HARDCOPY DRAWING AND THE CORRESPONDING DIGITAL DRAWING FILE, THE HARDCOPY WITH AN ORIGINAL STAMP AND SIGNATURE SHALL BE THE CONTROLLING DOCUMENT. BE SURE TO COMPARE THE TWO DOCUMENTS BEFORE USING THE DIGITAL FILE.
- 7) THIS DRAWING HAS BEEN PREPARED FOR A 24"x36" FORMAT. DO NOT SCALE THIS DRAWING IF PLOTTED ON ANY OTHER FORMAT.
- 8) VERTICAL DATUM: NAVD 88 - GPS DERIVED - NETWORK SOLUTION. CONTOUR INTERVAL: 1 FOOT.
- 9) PROPERTY ADDRESS: 381 NORTH HIGHLAND AVENUE OSSINING, WESTCHESTER COUNTY, NEW YORK.



Existing Conditions Survey of
a Portion of
Premises of
Curch of St. Augustine
No Deed Reference
Prepared for
Borrego Solar Systems, Inc.
Town of Ossining, County of Westchester
State of New York

REVISIONS	
No.	Description

LAWSON SURVEYING & MAPPING
Boundary ~ Topographic ~ Control ~ Deformation ~ Construction ~ C.I.S. ~ Subdivision ~ C.P.S.
2959 County Route 9 ♦ Ossining, New York 10520
Phone: (907) 432-3300
Facsimile: (907) 432-3313
www.lawsonsurvey.com

LSM

FOR REVIEW
10-8-2020

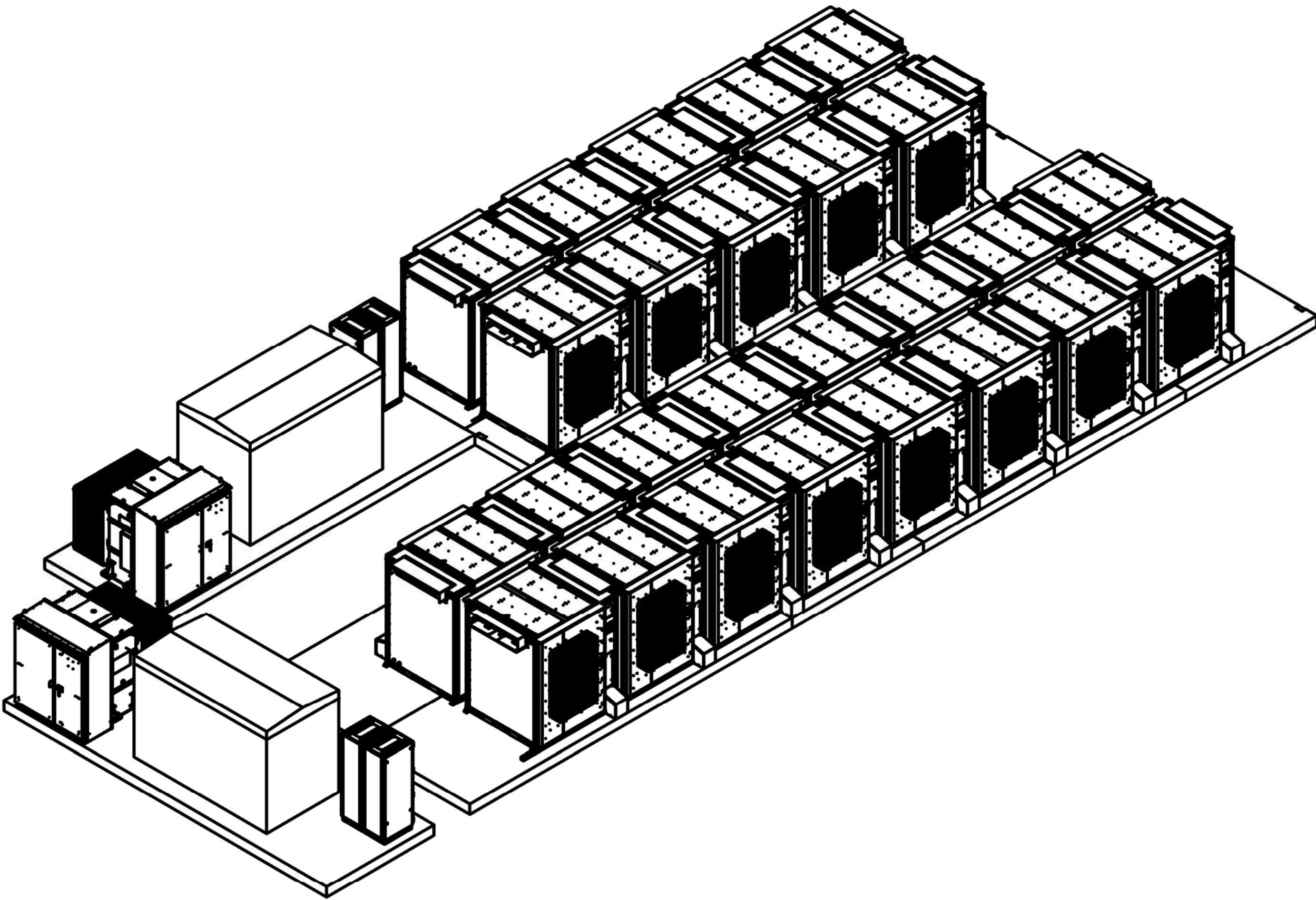
Robert J. Lawson, L.S. N.Y.S. License No.: 050086	
DATE: September 21, 2020	
W.O. No.: 7016	
SCALE: 1 inch = 50 feet	
DRAWN BY: J.D.J.	
CHECKED BY: R.J.L.	
FIELD CHECKED BY: N.J.S.	
DWG FILE: 7016 EX COND.DWG	
MAP No.: M 24-1262	
SHEET No.: 1 of 1	

FLUENCE ENERGY LLC - BORREGO SOLAR PROGRAM

PHASE I- NEXT GEN - GRIDSTACK

BATTERY ENERGY STORAGE SYSTEM

MECHANICAL, LAYOUT AND CONSTRUCTION SPECIFICATIONS



REVISIONS					
ZONE	REV	DESCRIPTION	DATE	DRW BY	APV BY
	1	1ST RELEASE	12/18/2019	SC	

FLUENCE CONFIDENTIAL
&
PROPRIETARY
INFORMATION

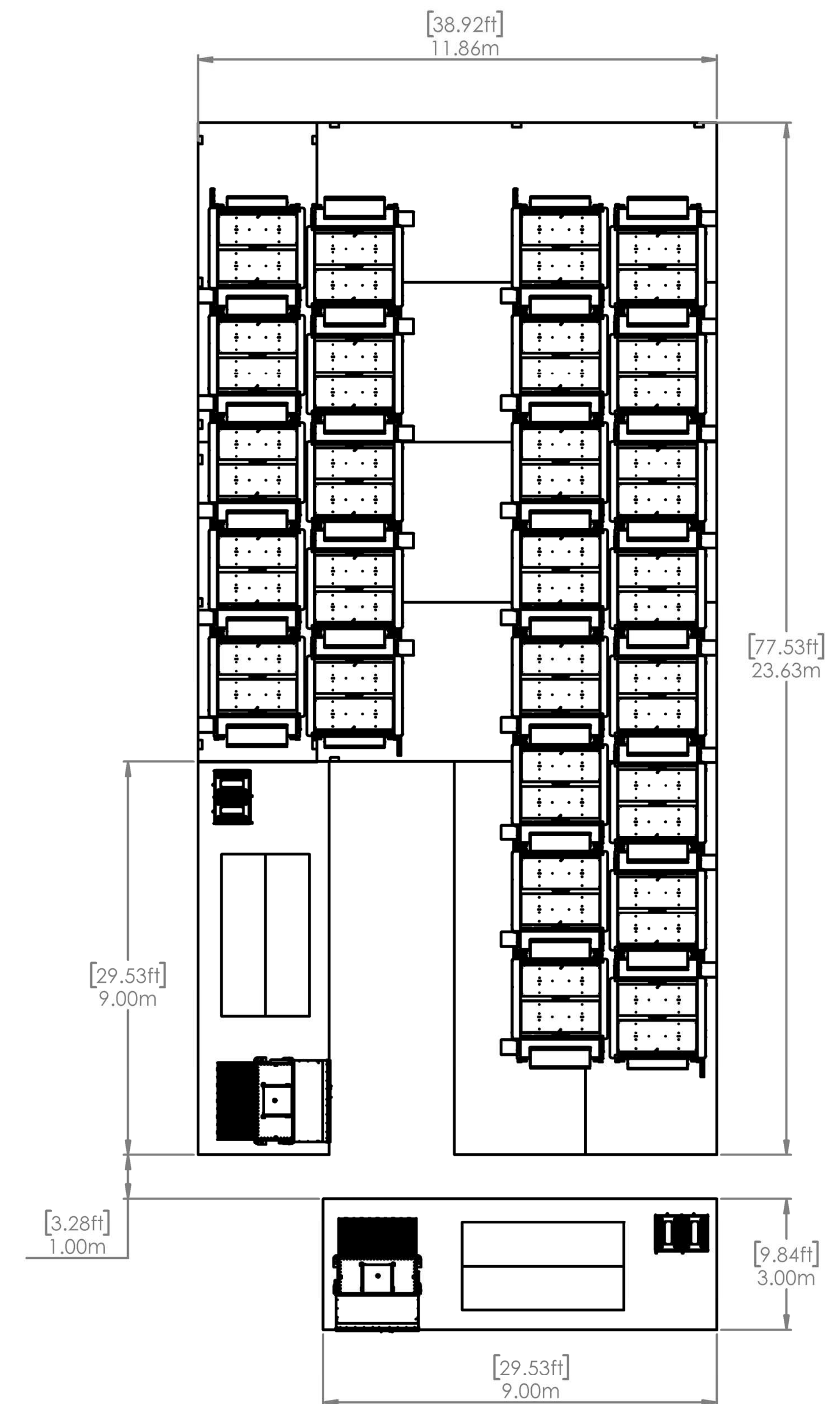
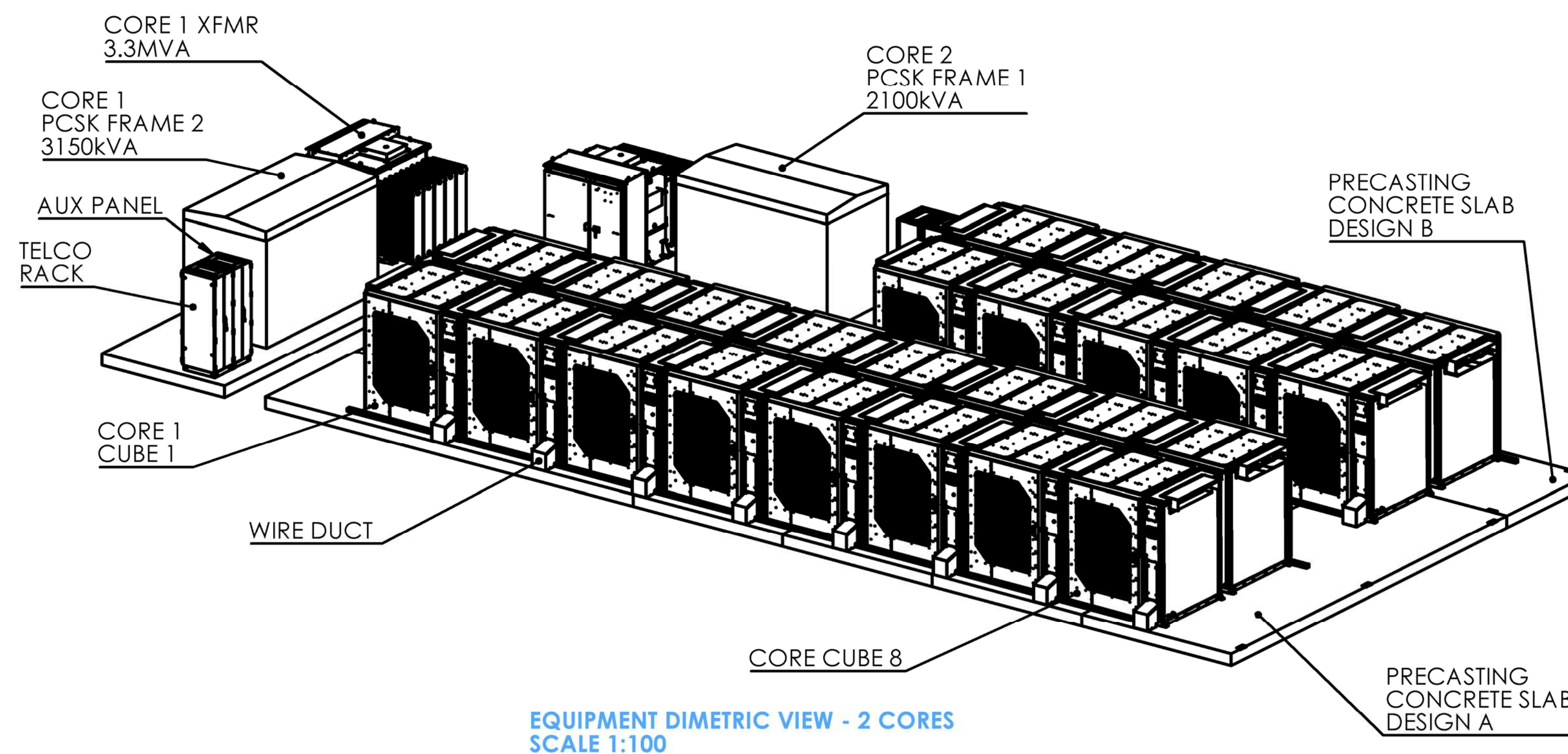


STATUS PROPOSAL		PROJECT BORREGO 5MW 3MWh			
FINISH	WEIGHT kg	DRAWN BY SC	DATE 12/18/2019	DRAWING NO. BORREGO 5MW 3MWh	REV 1
MATERIAL	CHECK BY	DATE			
TOLERANCE	APV BY	DATE	SHEET 1 OF 5	SCALE 1:200	SIZE A2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS					

LAYOUT & BOM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Core Foundation R0 08072019	12'x30'x10"	4
2	Cube Rows From Assembly Light version R1	8 Cubes Row	2
3	Cube Rows From Assembly Light version R1	5 Cubes Row	2
4	Core Foundation R0 08072019	8'x25'x10"	2
5	Core Foundation R0 08072019	PCSKM FRAME 1 & 2 MV SKID	2
6	MV Transformer + Load Center R0 09092019	PCSK FRAME 1 & 2 MV SKID	2
7	SOIL		1

TABLE 1 - BILL OF MATERIALS



TOP VIEW - 2 CORES
SCALE 1:100

A					
	ZONE	REV	DESCRIPTION	DATE	DRW BY
	REVISIONS				APV BY

FLUENCE CONFIDENTIAL
&
PROPRIETARY
INFORMATION

FLUENCE
A Siemens and AES Company



	STATUS		PROJECT	
	FINISH		WEIGHT kg	
MATERIAL	DRAWN BY	DATE	DRAWING NO.	REV
TOLERANCE	CHECK BY	DATE	Borrego Solar 5MW3h Next Gen R0 12182019	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	APV BY	DATE	SHEET	SIZE
			2 OF 5	A2
			SCALE	1:200

LAYOUT & ELEVATIONS



REVISIONS

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&
PROPRIETARY
INFORMATION

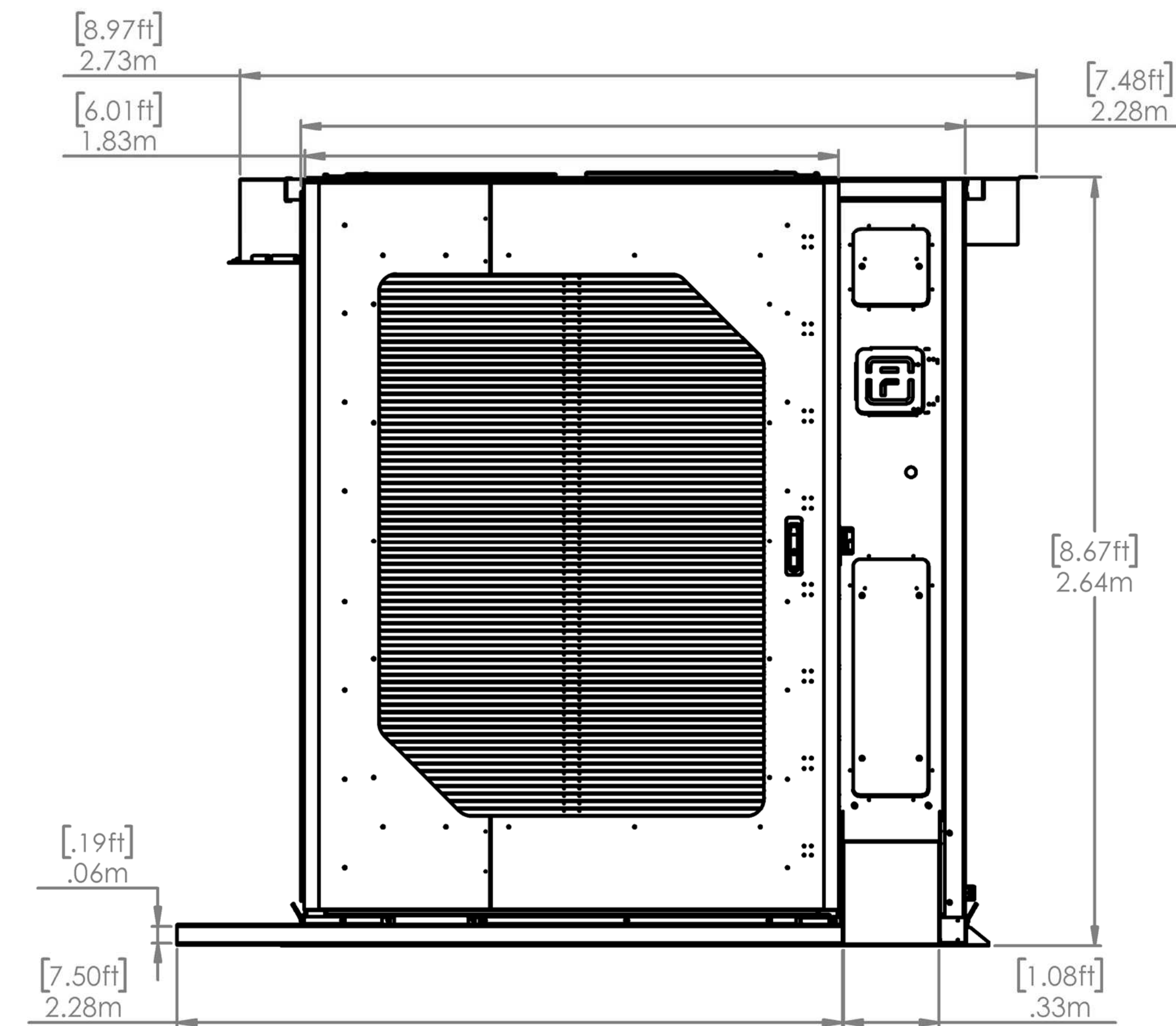
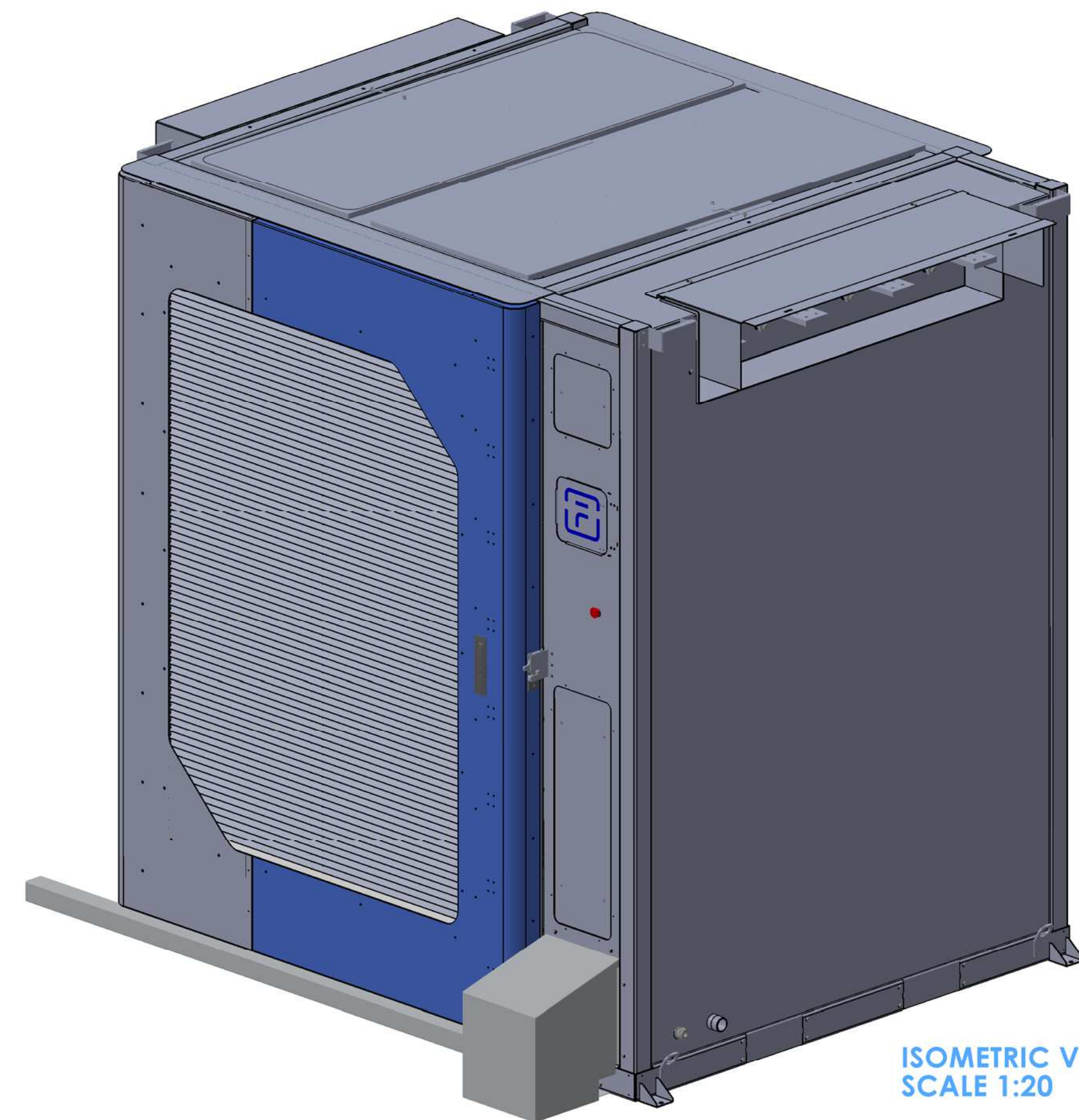
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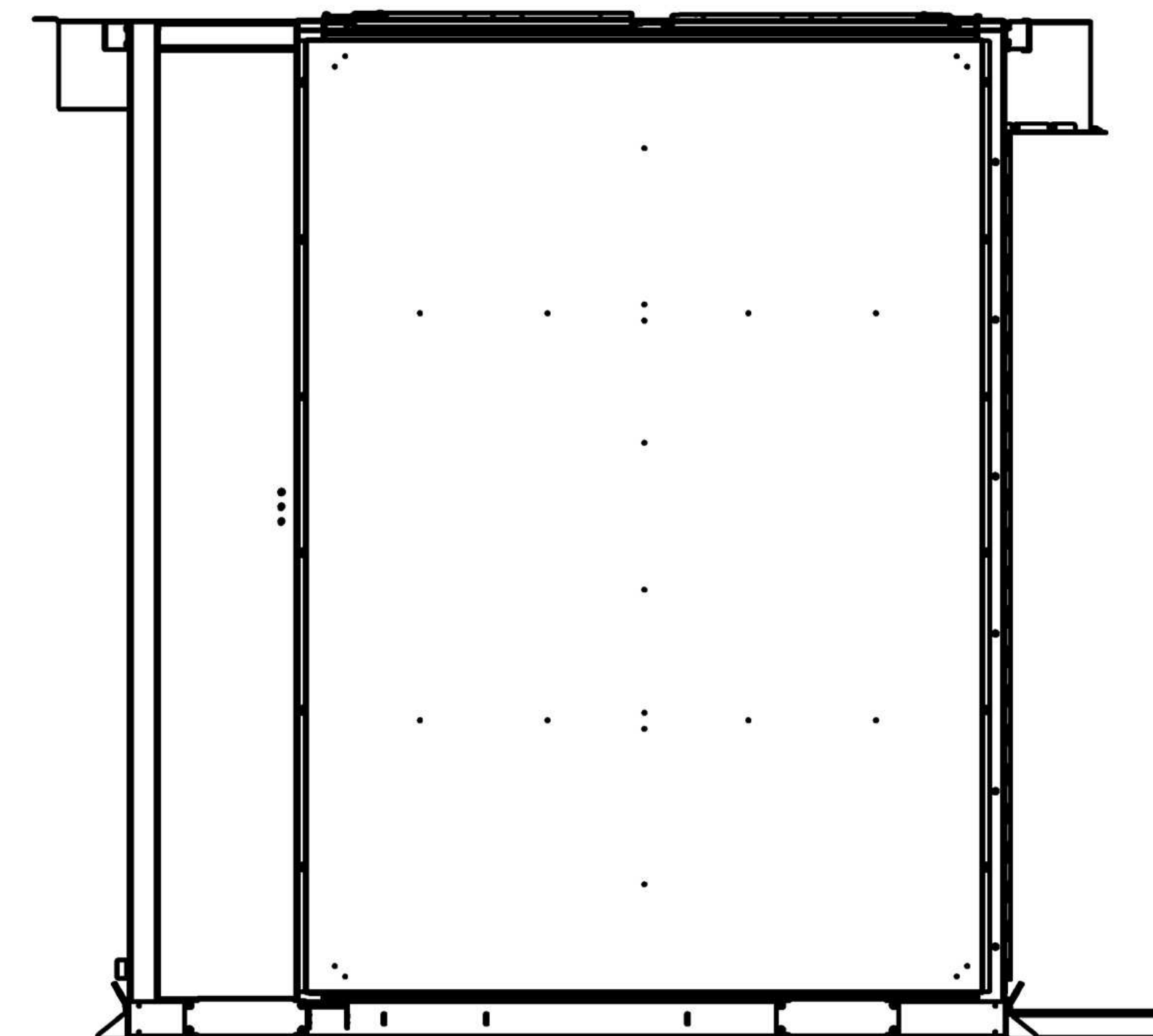
	STATUS		PROJECT						
	WEIGHT		kg						
	DRAWN BY		DATE		DRAWING NO.		REV		
	CHECK BY		DATE		Borrego Solar 5MW3h Next Gen R0		12182019		
	APV BY		DATE		SHEET	3 OF 5	SCALE	1:200	SIZE

CUBE DIMENSIONS & SPECIFICATION

CUBE SPECIFICATIONS		
RATED POWER	kW	
DISCHARGE DURATION	h	3
RATED ENERGY	kWh	
OPERATIONAL DC VOLTAGE	Vdc	
CHEMISTRY		LI-ION- SDI E3D
CUBE DIMENSIONS	W/D/H - mm (FT)	2280
CUBE WEIGHT	lb / kg	12790 /5802
COOLING SYSTEM		AIR FORCED
FIRE SUPPRESSION		SOLID AEROSOL AGENT
ENCLOSURE RATING		IP54
AMBIENT OPERATING TEMPERATURE		-40°C TO 55°C



FRONT VIEW
SCALE 1:20



BACK VIEW
SCALE 1:20

A					
	ZONE	REV	DESCRIPTION	DATE	DRW BY
	REVISIONS				

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&
PROPRIETARY
INFORMATION

FLUENCE
A Siemens and AES Company



	STATUS		PROJECT		
	FINISH		WEIGHT kg		
	MATERIAL	DRAWN BY	DATE	DRAWING NO.	REV
	TOLERANCE	CHECK BY	DATE	Borrego Solar 5MW3h Next Gen R0 12182019	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	APV BY	DATE	SHEET	SCALE	SIZE
			4 OF 5	1:200	A2