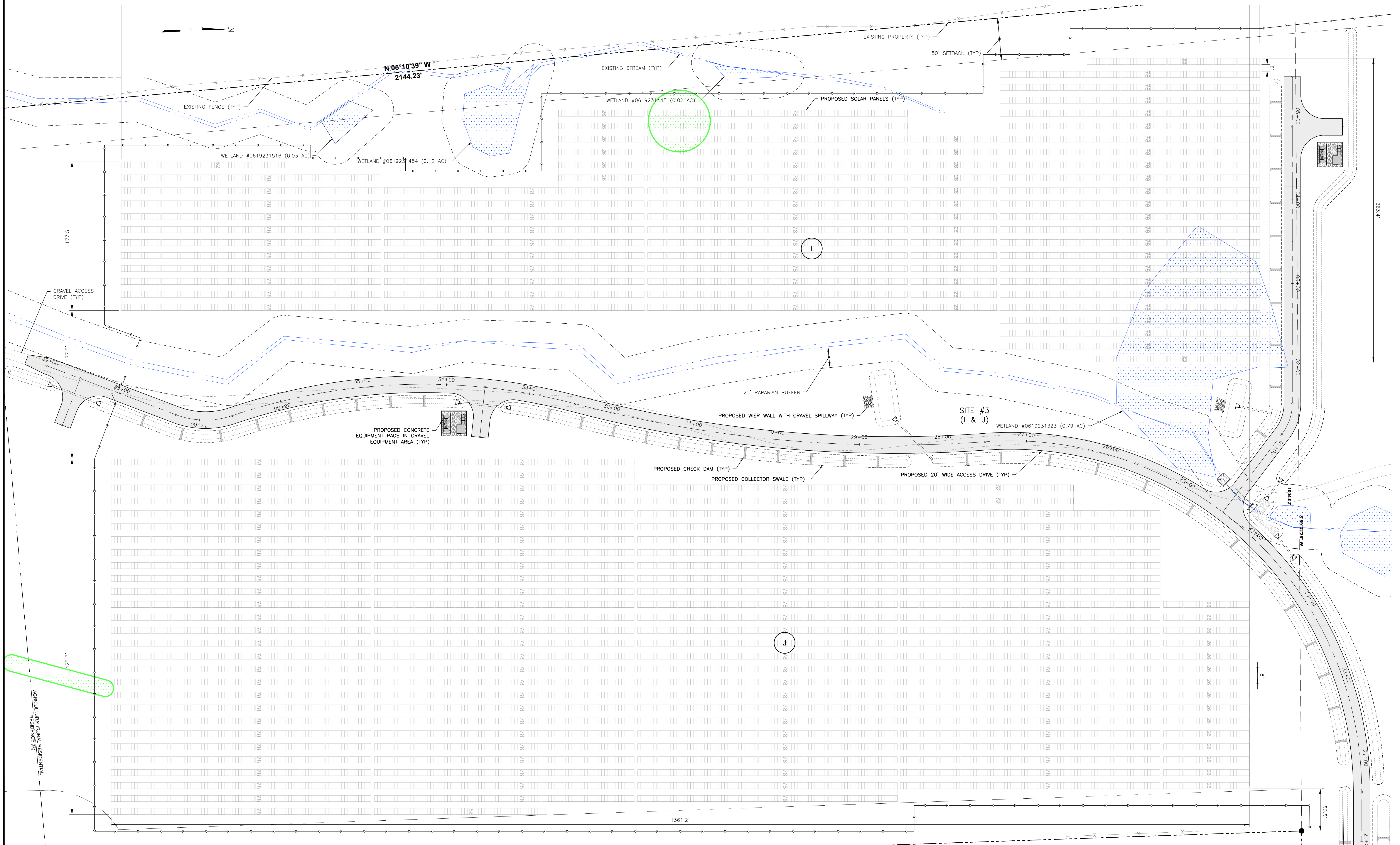
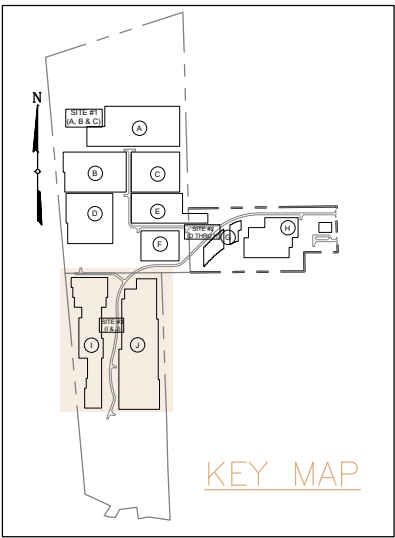
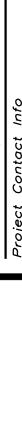


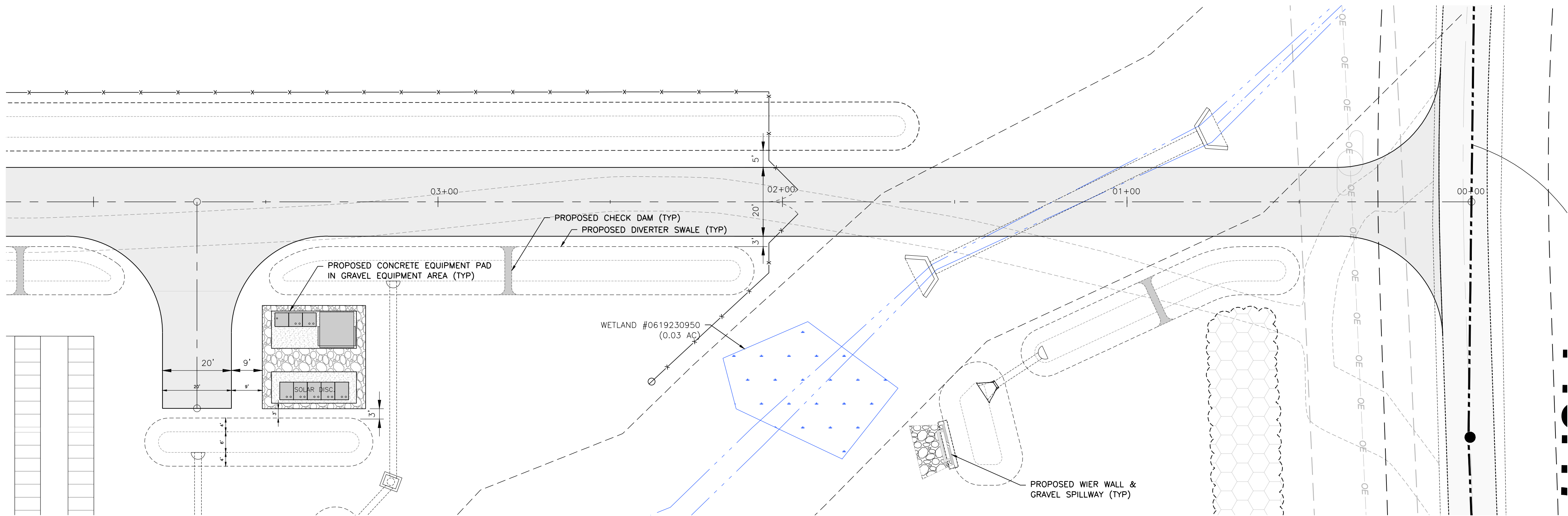


SITE #3 I & J
SCALE: 1" = 50'

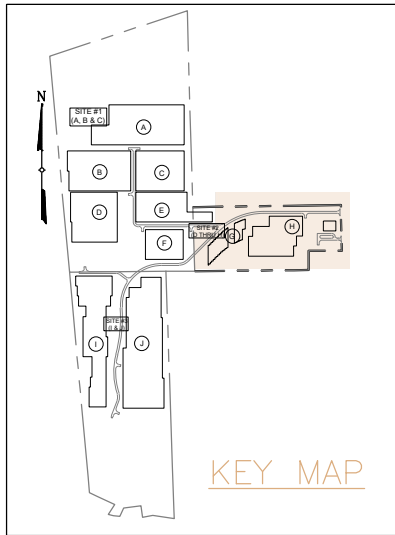
- LEGEND
- | | | | |
|---|-------------------------|---|--------------------------|
|  | PROPOSED SOLAR PANELS |  | WETLAND / STREAM |
|  | ADJACENT PROPERTY LINE |  | GRAVEL ACCESS ROAD |
|  | PROPERTY LINE |  | GRAVEL SURFACE TREATMENT |
|  | PROPOSED 8' HIGH FENCE |  | PROPOSED SWALE |
|  | ACCESS DRIVE CENTERLINE | | |



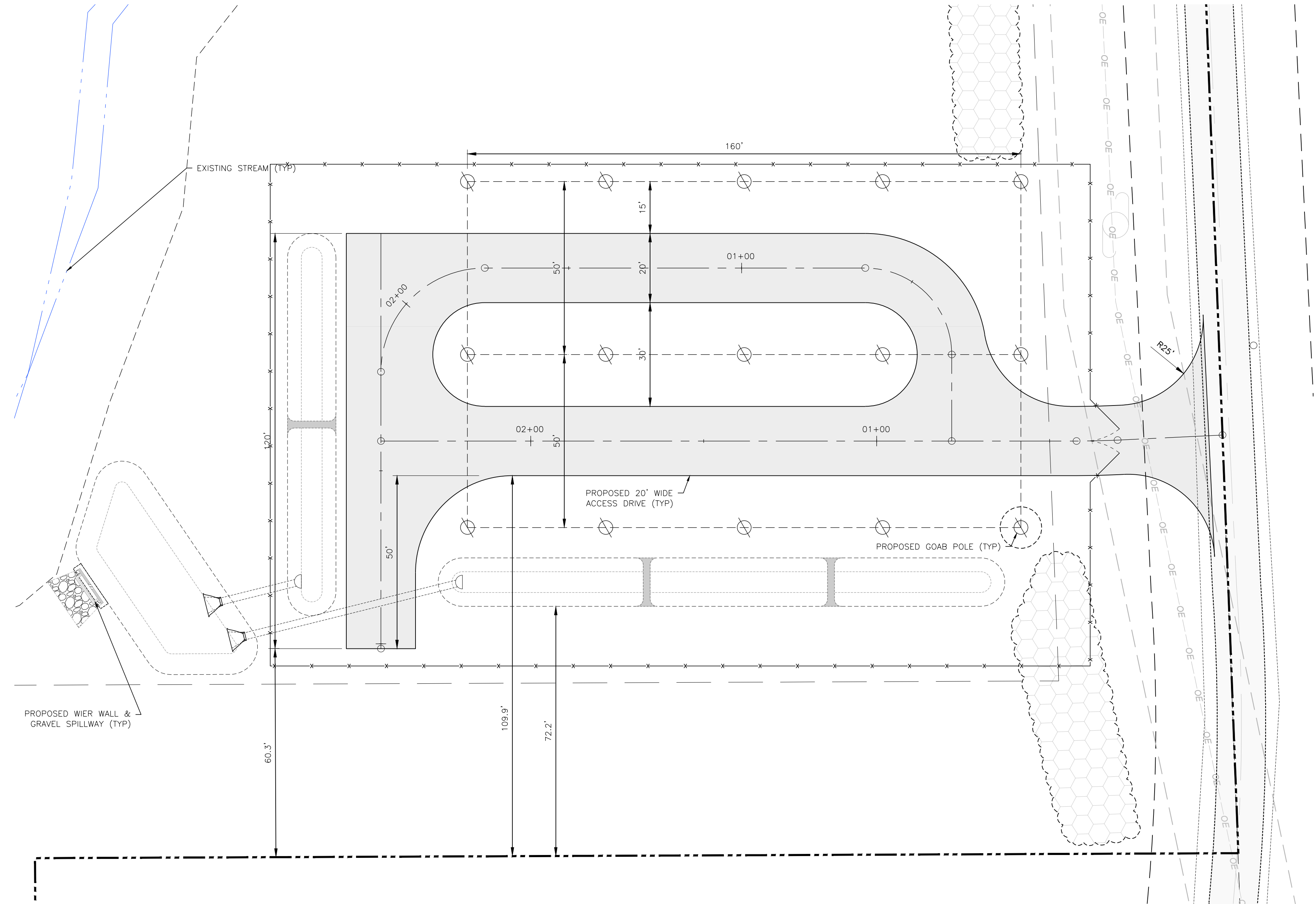
SHEET NAME:	PROJECT NAME:	
ENLARGED HORIZONTAL CONTROL PLAN (SOUTH)	NSF KIRKWOOD SOLAR PROJECT	
TOWN OF KIRKWOOD BROOME COUNTY, NY	PROJECT # 12097.006	PAGE SIZE 36" x 24"
DEVELOPER: NORBERT SOLAR FARMS, LLC ATTN: JAMES A. ROYCE PO BOX 14007 ROCHESTER, NY 14607 (585) 504-2215		
 SOLAR FARMS		
		
Tectonic PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE. Tectonic Engineering Company, Inc. • P.O. Box 37 Rochester, New York 14607 (800) 897-6531 (585) 504-2215 www.tectonicec.com ny 100953		
Project Contact info: James A. Royce , PE 1444 Road Bronxville, NY 10511 Phone: (813) 374-9177 Fax: (813) 374-9177		



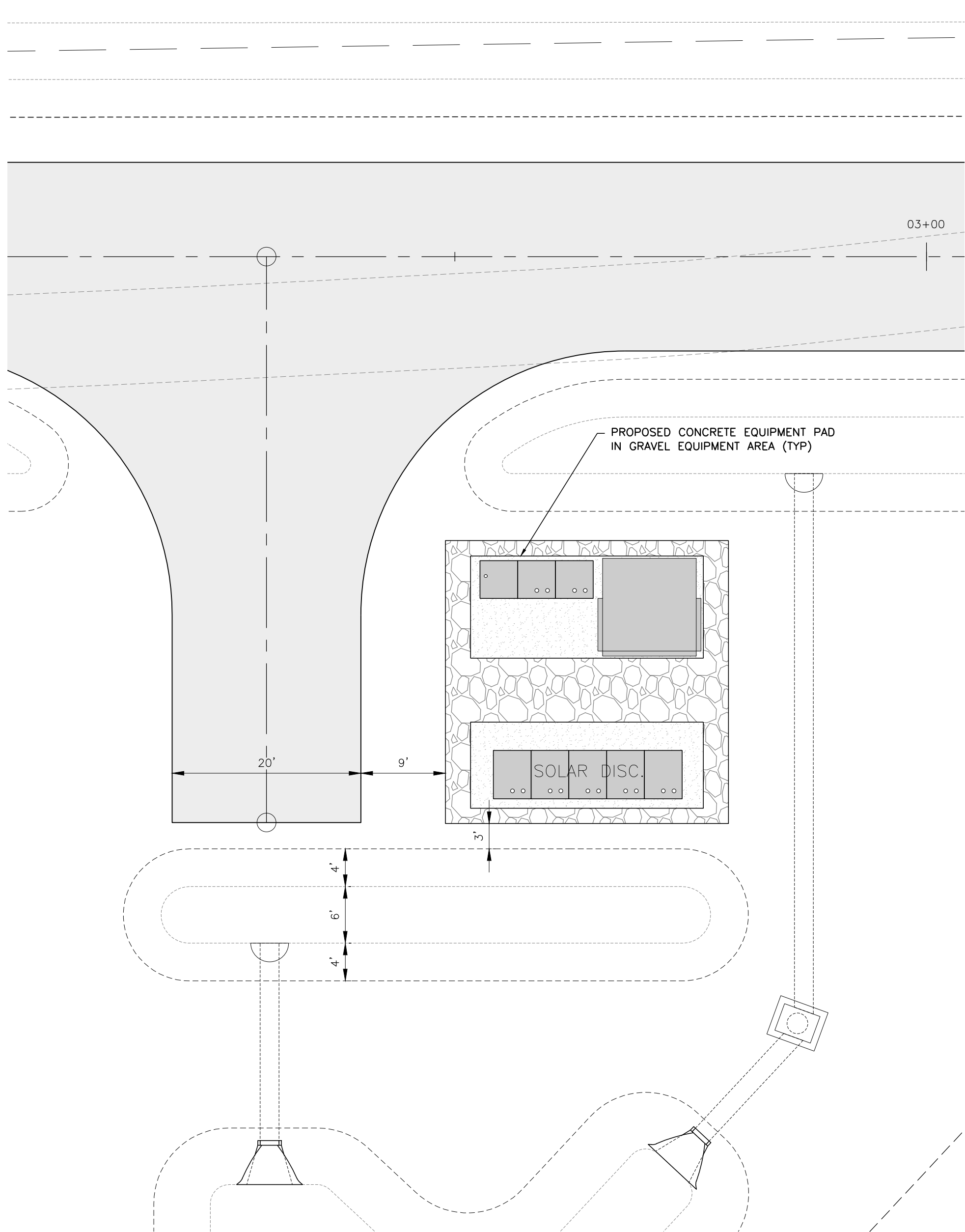
Array Field		Modules	Frames	26 Mod Strings	52 Mod Strings	78 Mod Strings
A		5980	920	52	11	52
B		4368	672	42	0	42
C		3432	528	33	0	33
ARRAY SITE #1						
SUBTOTAL	13780	2120	127	11	127	
D		4108	632	0	31	32
E		3328	512	23	0	35
F		2106	324	0	0	27
G		1092	168	2	20	0
H		3146	484	17	7	30
ARRAY SITE #2						
SUBTOTAL	13780	2120	42	58	124	
I		5278	812	20	3	59
J		8502	1308	15	3	102
ARRAY SITE #3						
SUBTOTAL	13780	2120	35	6	161	
Power:	13,780 mod @ 545W/mod:	7.5	MW/Array Site			
	3 Sites @ 7,510 KW:	22.5	MW DC			
	3 Sites @ 5,000 KW:	15.0	MW AC			
INVERTERS: (6 TOTAL, 2/SITE) - SUNGROW SG3425UD-MV-US I DERATED AT FIRMWARE LEVEL TO 2500KW						
INVERTER RATIO: 1.7						



2 SOLAR ENERGY SYSTEM TABULATION
SCALE: N.T.S.



1 INSET "B"
SCALE: 1" = 20'



1 INSET "C"
SCALE: 1" = 10'

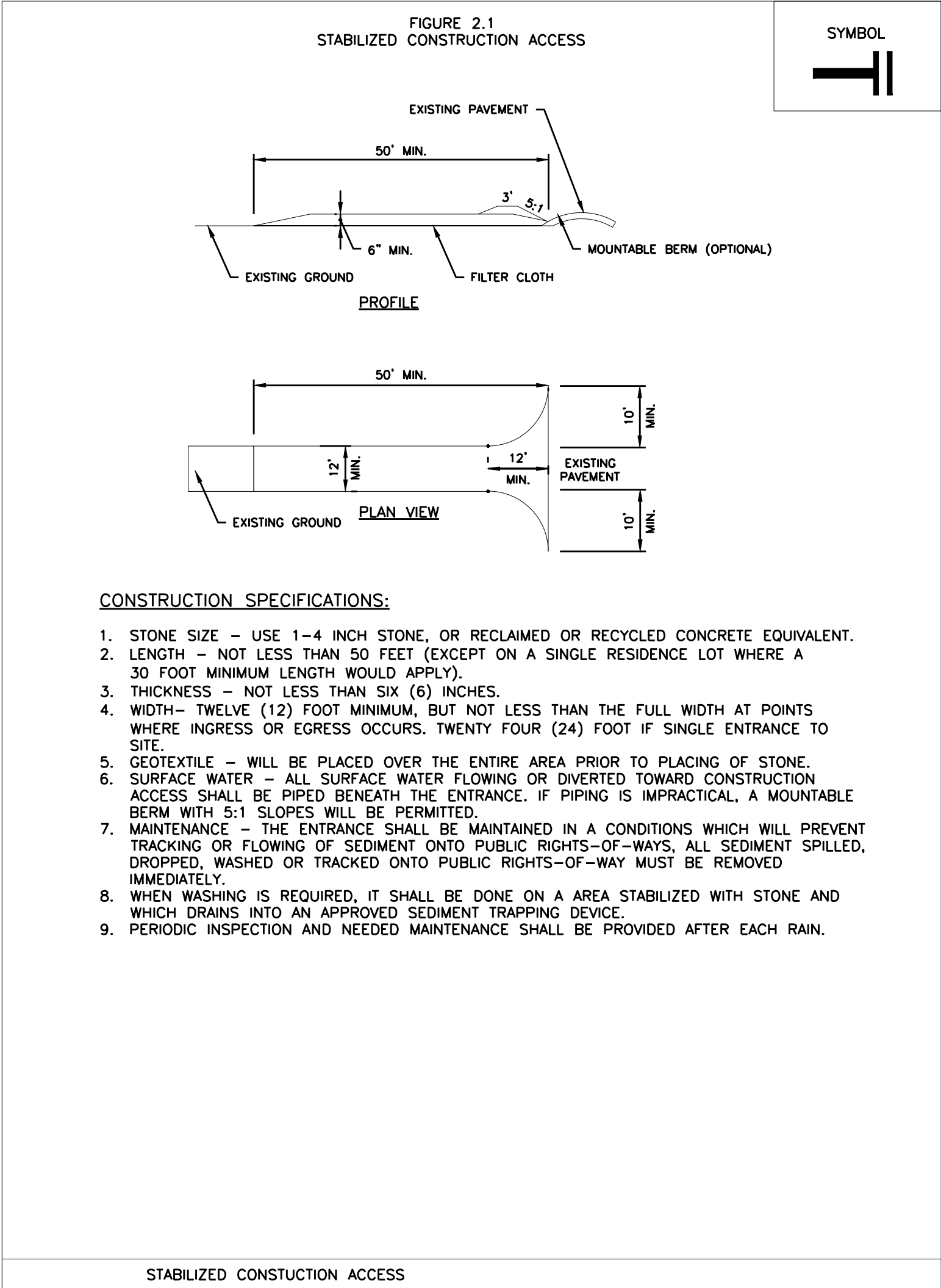
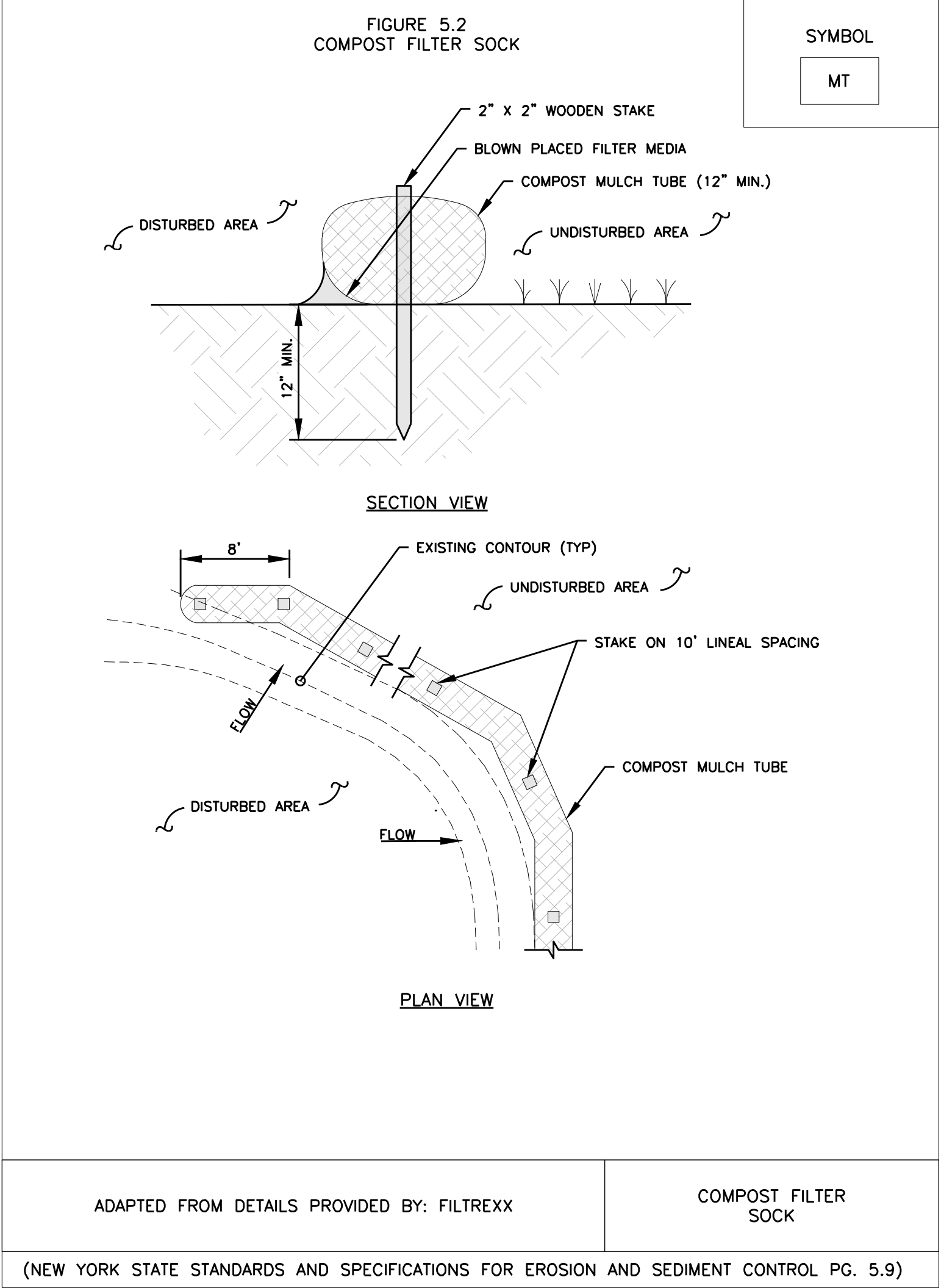
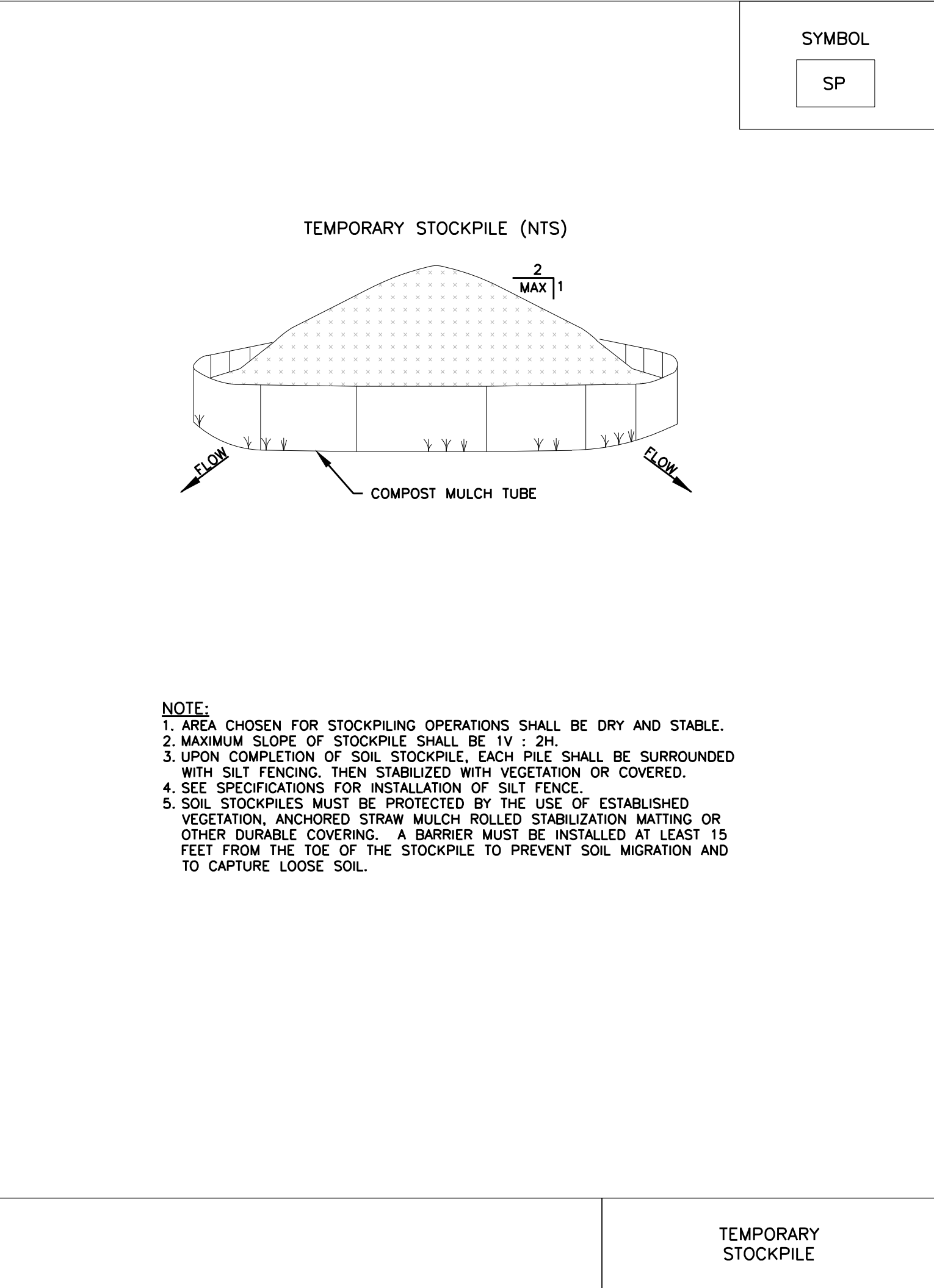
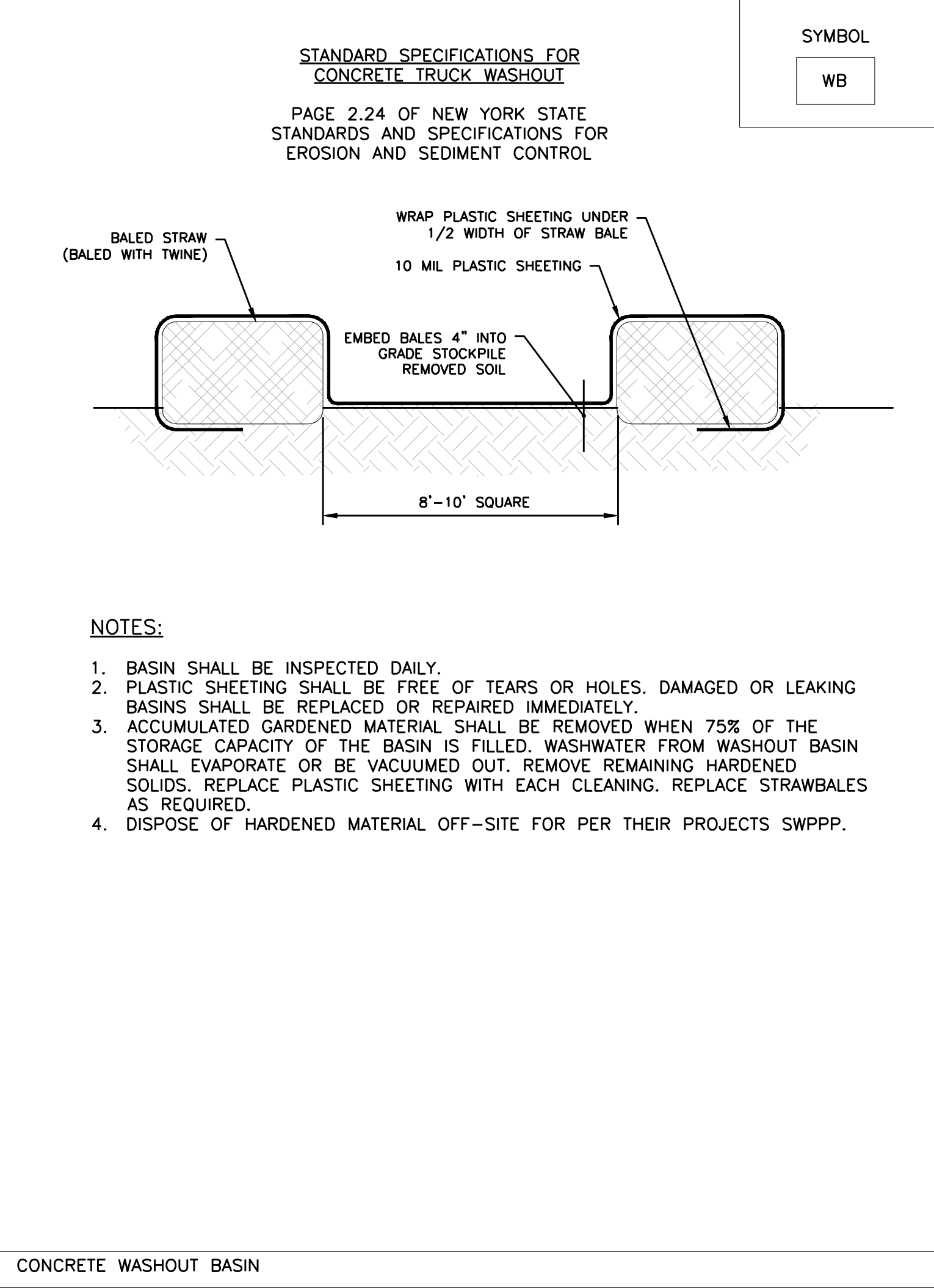
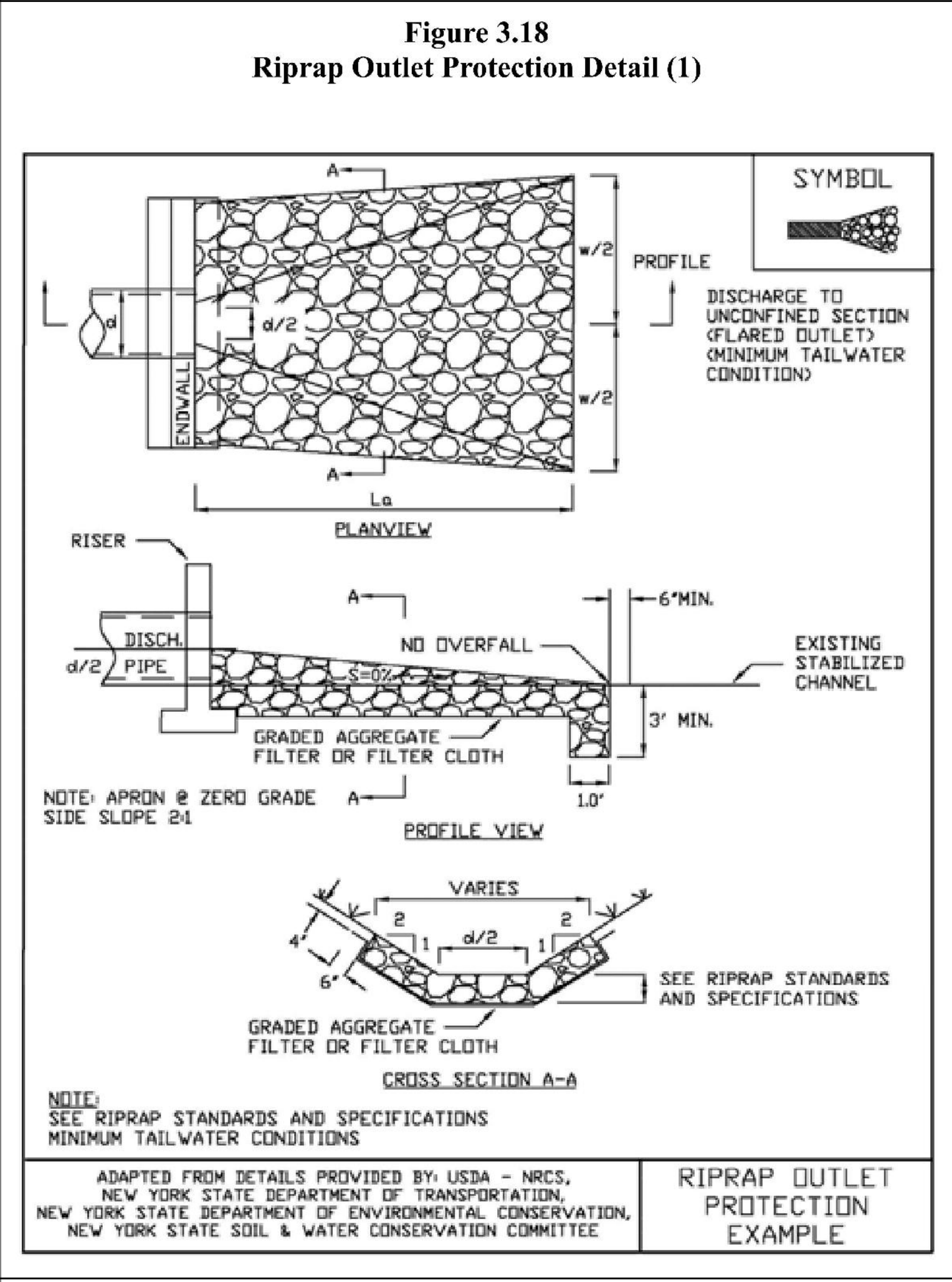
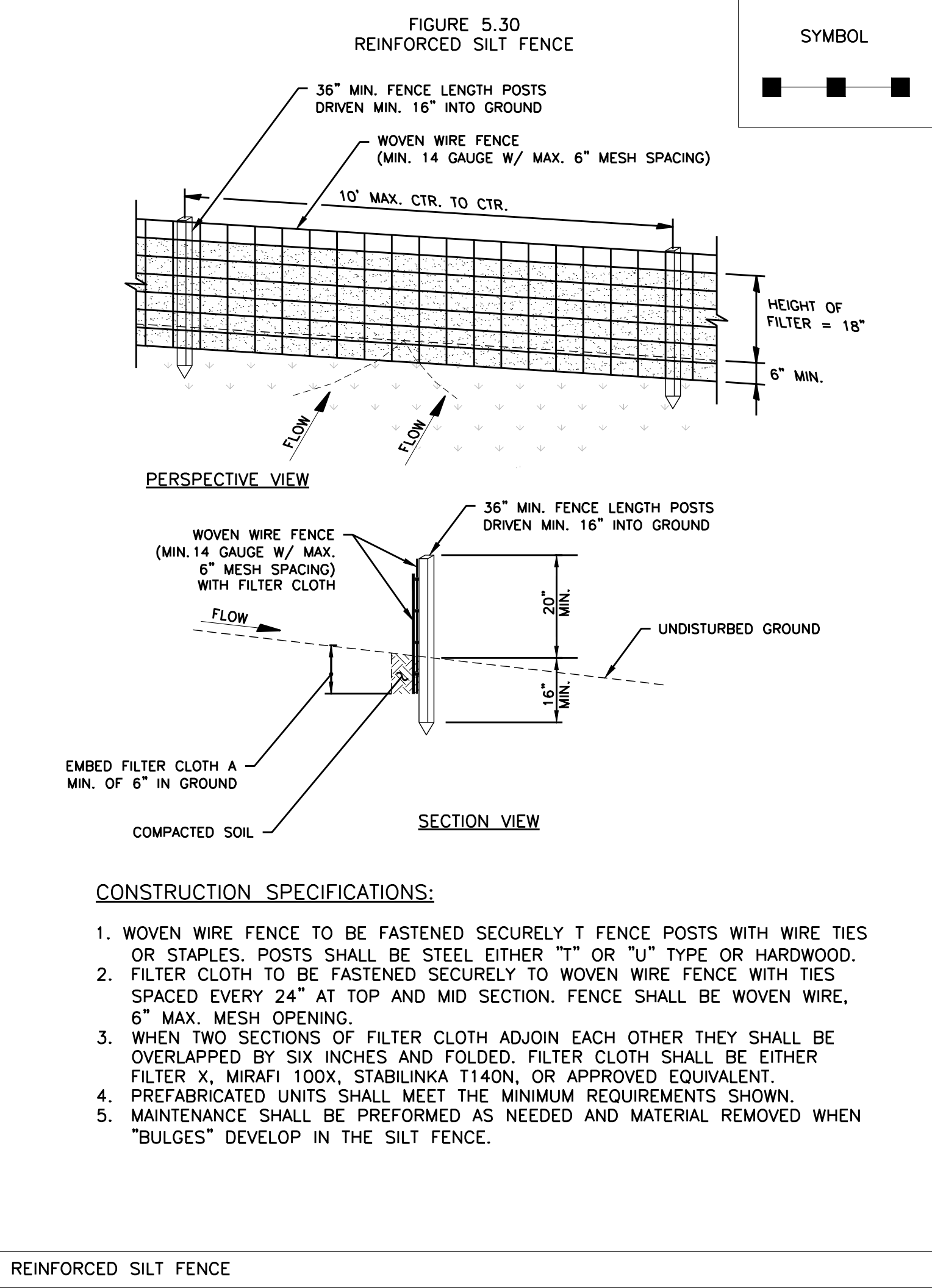


LEGEND

- PROPOSED SOLAR PANELS
- ADJACENT PROPERTY LINE
- PROPERTY LINE
- PROPOSED CHAIN LINK FENCE
- PROPOSED ACCESS DRIVE
- CONCRETE WASHOUT BASIN (WB)
- PROPOSED SILT FENCE
- LIMITS OF DISTURBANCE
- STAGING AND STOCKPILE AREAS
- WETLANDS TO REMAIN
- CONSTRUCTION ENTRANCE

OVERALL SITE LAYOUT PLAN
SCALE: 1" = 150'

SHEET NAME: EROSION & SEDIMENT CONTROL PLAN	PROJECT NAME: NSF KIRKWOOD SOLAR PROJECT TOWN OF KIRKWOOD BROOME COUNTY, NY	PAGE SIZE 36" x 24" PROJECT # 12097.006	DEVELOPER: NORBUT SOLAR FARMS, LLC 1241 UNIVERSITY AVENUE ROCHESTER, NY 14607 (585) 584-2243	 NORBUT SOLAR FARMS	 J. Mark Pivelle, P.E. No. 110245 State of New York	DATE	REVISION DESCRIPTION	PM	ENG	CHECK
						03/26/25	FOR COMMENT	GB	JMP	GB



DATE	REVISION DESCRIPTION	PM	ENG	CHEK
01/03/25	FOR COMMENT			
03/26/25	FOR COMMENT			



Tectonic
Tectonic Engineering Consultants, Engineers & Land Surveyors, D.P.C.
1250 Route 9W, Suite 300, West Nyack, NY 10994
Phone: (845) 847-8831
www.tectonicec.com

NORBUT SOLAR FARMS

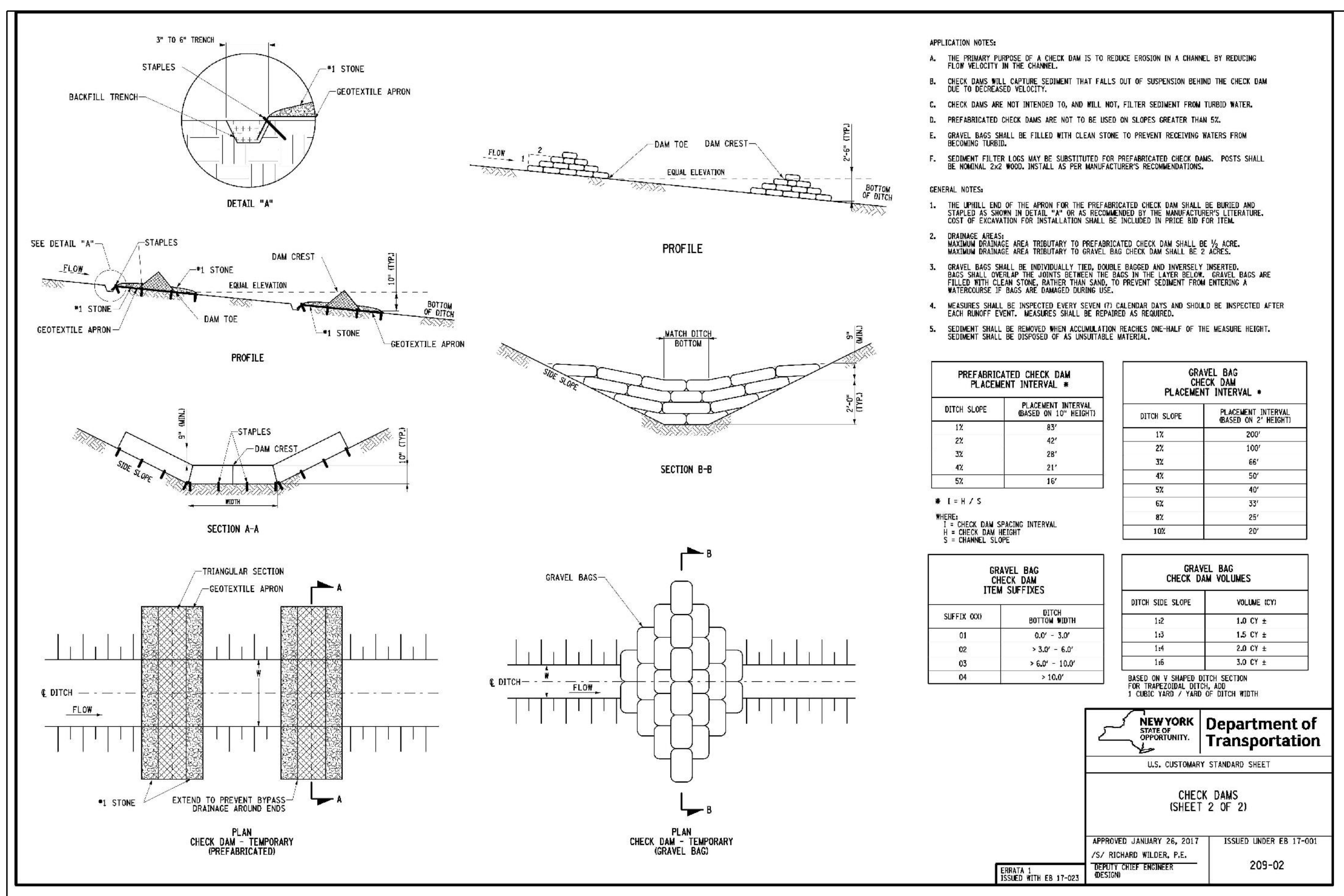
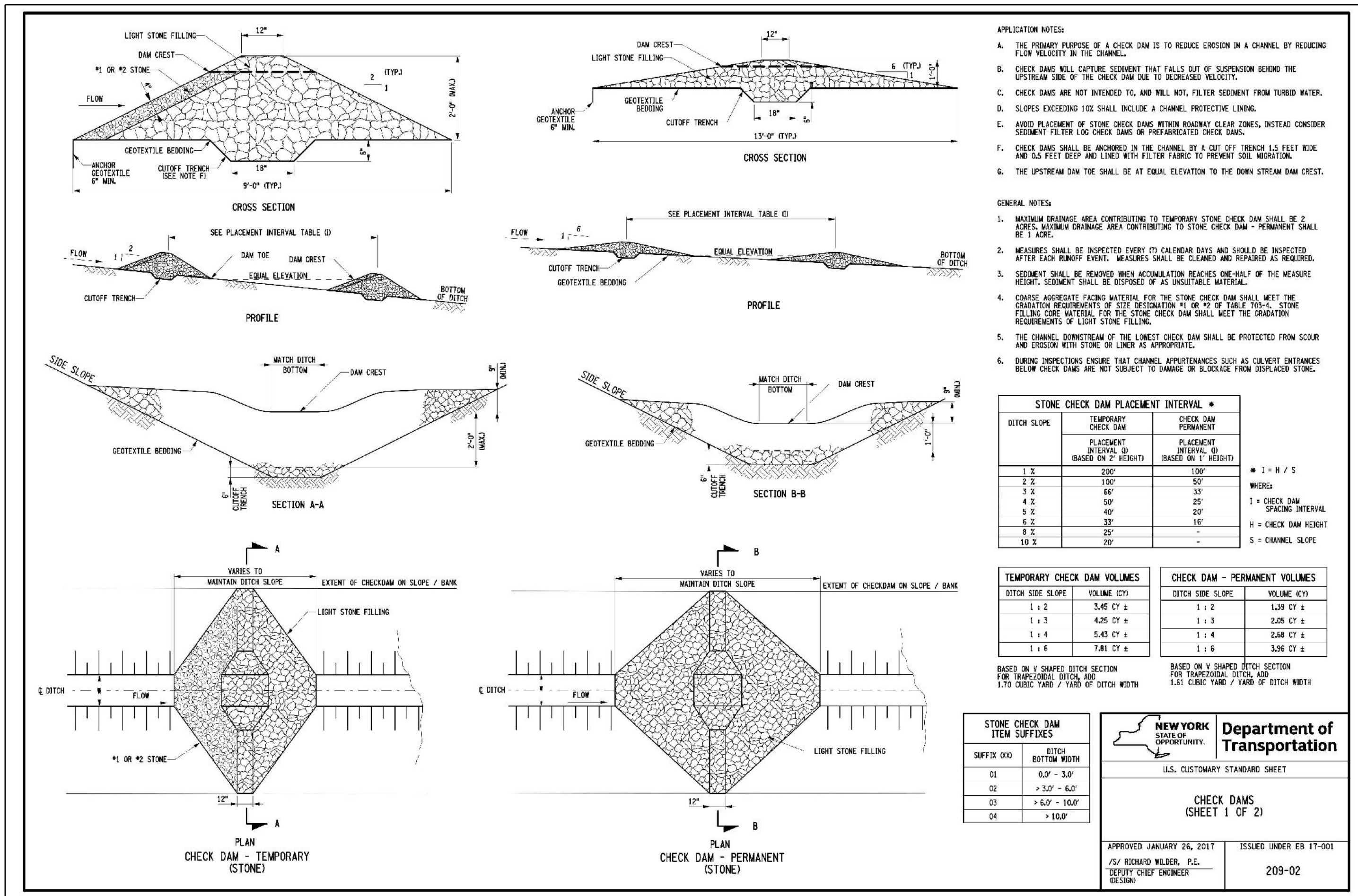
DEVELOPER:
NORBUT SOLAR FARMS, LLC
1241 UNIVERSITY AVENUE
ROCHESTER, NY 14607
(585) 584-2243

PAGE SIZE: 36" x 24"
PROJECT # 12097.006

PROJECT NAME:
NSF KIRKWOOD
SOLAR PROJECT
TOWN OF KIRKWOOD
BROOME COUNTY, NY

SHEET NAME:
EROSION & SEDIMENT
CONTROL DETAILS

DRAWING #
C6A



STANDARD AND SPECIFICATIONS FOR BUFFER FILTER STRIP



Land Slope (%)	Minimum Filter Strip Width (ft.)
≤10	50
20	60
30	85
40	105
50	125
60	145
70	165

Definition & Scope

A **temporary/permanent** well vegetated grassed area below a disturbed area that can be used to remove sediment from runoff prior to it reaching surface waters or other designated areas of concern, such as parking lots and road pavement.

Condition Where Practice Applies

This practice is effective when the flow is in the form of sheet flow and the vegetative cover is established prior to disturbance. Surface water must be protected from sediment-laden runoff until buffer filter strip vegetation is established, and then the proposed disturbance can be undertaken. This practice is effective when the flow is in the form of sheet flow (maximum of 150 feet).

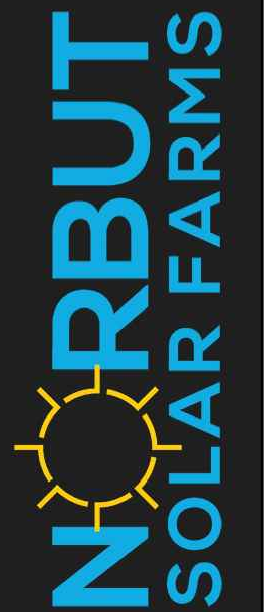
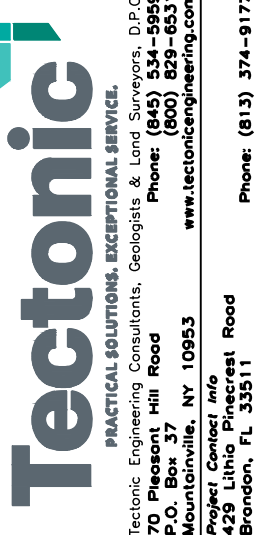
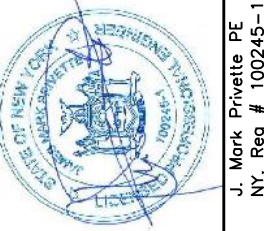
Design Criteria

1. The vegetation should be a well established perennial grass. Wooded and brushy areas are not acceptable for purposes of sediment removal.
2. The minimum buffer filter strip width for stream protection shall be in accordance with the following table:

3. The minimum buffer filter strip width to protect paved areas during construction is 20 feet.

Maintenance

If at any time the width of the buffer filter strip has been reduced by sediment deposition to half its original width or concentrated flow has developed, suitable additional practices should be installed. The erosion and sediment control plan shall include these details.



DEVELOPER:
NORRUBT SOLAR FARMS, LLC
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ROCHESTER, NY 14607
(585) 504-2215

36" x 24"	PROJECT #
	12097.006

PROJECT NAME:
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TOWN OF KIRKWOOD
BROOME COUNTY, NY

SHEET NAME: EROSION & SEDIMENT CONTROL DETAILS

DRAWING #

C6B

DRAWING #
C-7