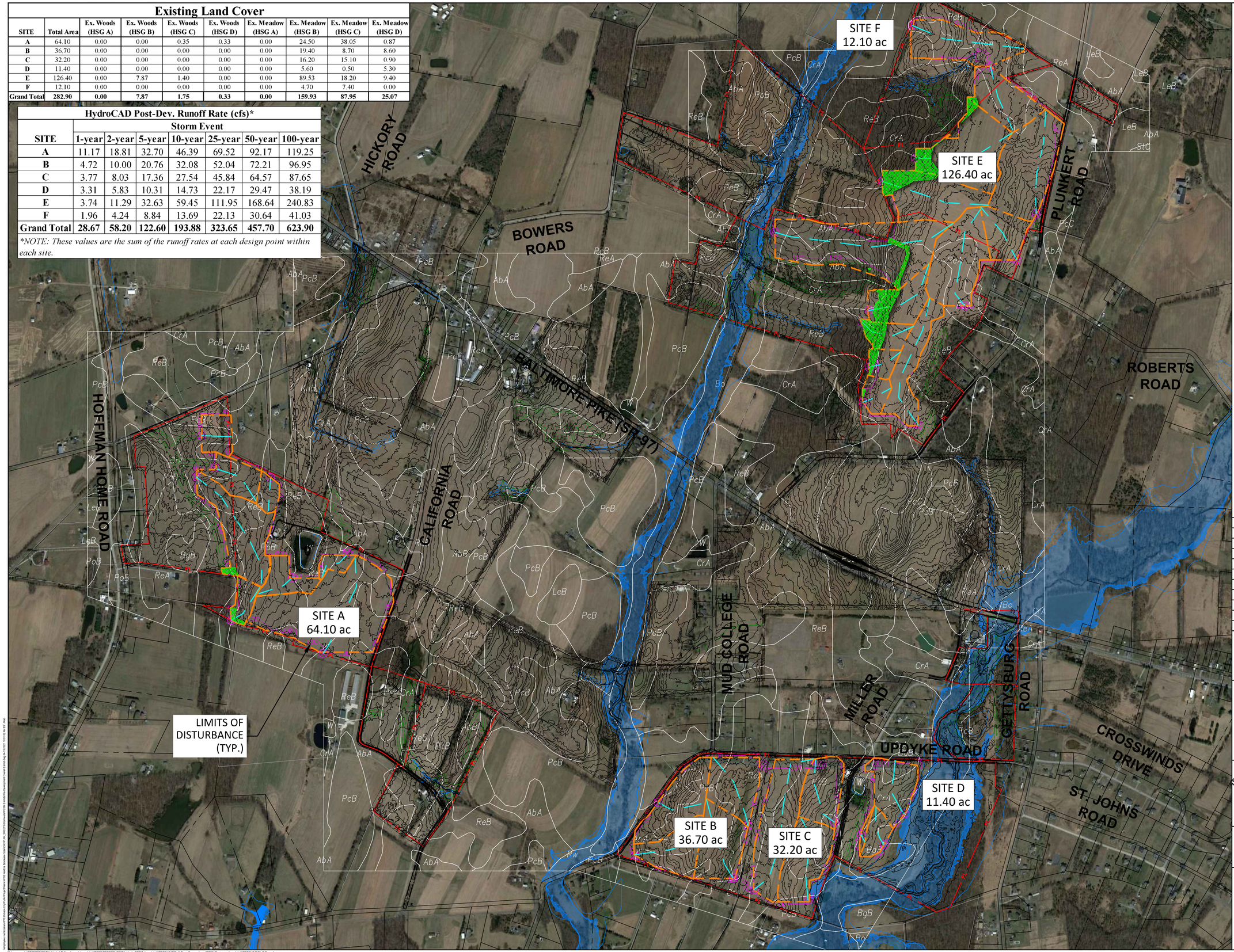
Existing Land Cover

SITE	Total Area	Ex. Woods (HSG A)	Ex. Woods (HSG B)	Ex. Woods (HSG C)	Ex. Woods (HSG D)	Ex. Meadow (HSG A)	Ex. Meadow (HSG B)	Ex. Meadow (HSG C)	Ex. Meadow (HSG D)
A	64.10	0.00	0.00	0.35	0.33	0.00	24.50	38.05	0.87
B	36.70	0.00	0.00	0.00	0.00	0.00	19.40	8.70	8.60
C	32.20	0.00	0.00	0.00	0.00	0.00	16.20	15.10	0.90
D	11.40	0.00	0.00	0.00	0.00	0.00	5.60	0.50	5.30
E	126.40	0.00	7.87	1.40	0.00	0.00	89.53	18.20	9.40
F	12.10	0.00	0.00	0.00	0.00	0.00	4.70	7.40	0.00
Grand Total	**282.90**	**0.00**	**7.87**	**1.75**	**0.33**	**0.00**	**159.93**	**87.95**	**25.07**

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event						
	1-year	2-year	5-year	10-year	25-year	50-year	100-year
A	11.17	18.81	32.70	46.39	69.52	92.17	119.25
B	4.72	10.00	20.76	32.08	52.04	72.21	96.95
C	3.77	8.03	17.36	27.54	45.84	64.57	87.65
D	3.31	5.83	10.31	14.73	22.17	29.47	38.19
E	3.74	11.29	32.63	59.45	111.95	168.64	240.83
F	1.96	4.24	8.84	13.69	22.13	30.64	41.03
Grand Total	**28.67**	**58.20**	**122.60**	**193.88**	**323.65**	**457.70**	**623.90**

**NOTE: These values are the sum of the runoff rates at each design point within each site.*



LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- LeB — SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:

THE EXISTING LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS WOODED.

N

500 250 0 500 1000

SCALE : 1" = 500'

NO.	REVISION	DATE

TRC

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APPLICANT:

BROOKVIEW SOLAR I, LLC.
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:

PRE–DEVELOPMENT OVERALL DRAINAGE MAP

ISSUE FOR PERMITTING ONLY. NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES.

SCALE:	1" = 500'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	1 OF 4

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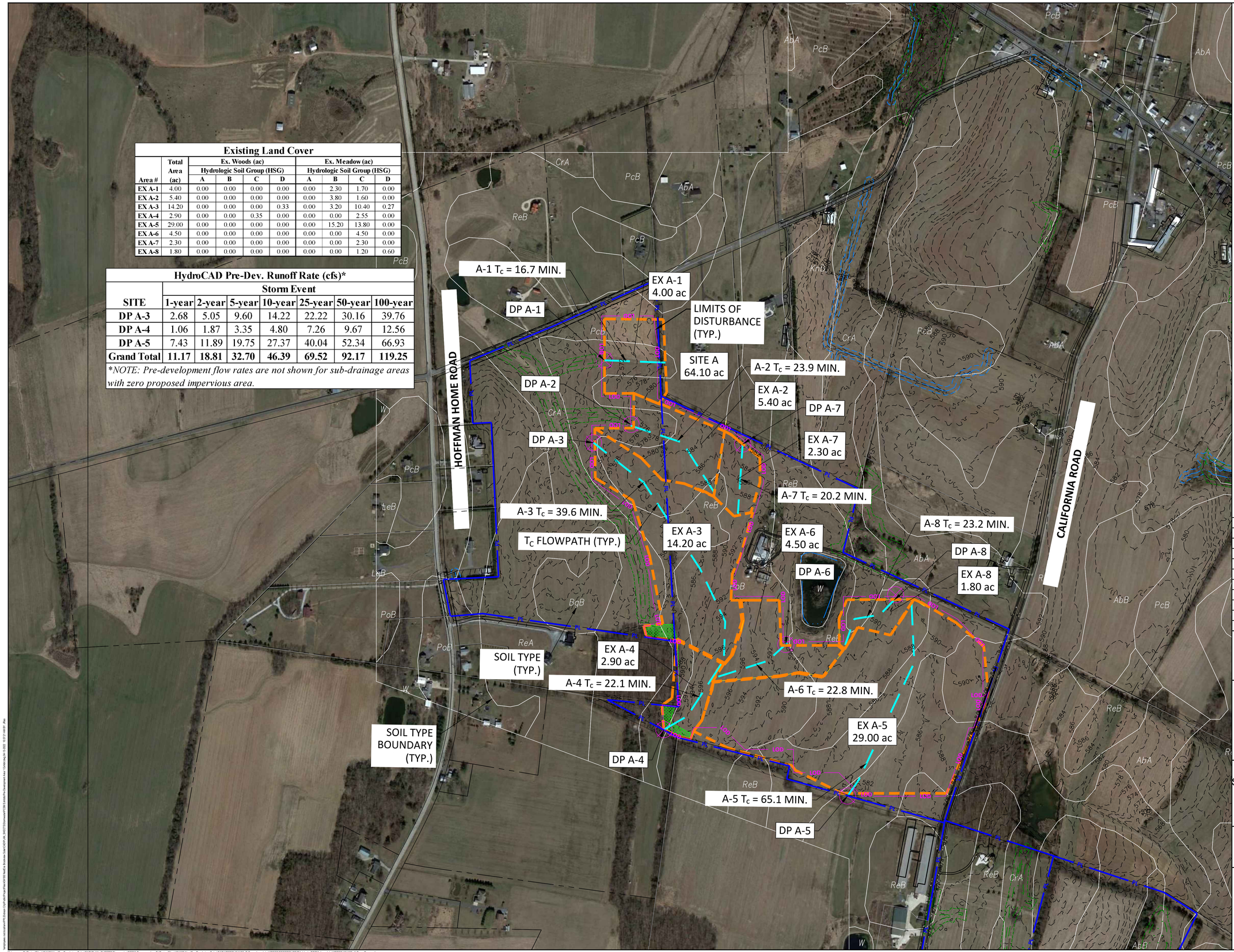

Existing Land Cover

Area #	Total Area (ac)	Ex. Woods (ac) Hydrologic Soil Group (HSG) A	B	C	D	Ex. Meadow (ac) Hydrologic Soil Group (HSG) A	B	C	D
EX A-1	4.00	0.00	0.00	0.00	0.00	0.00	2.30	1.70	0.00
EX A-2	5.40	0.00	0.00	0.00	0.00	0.00	3.80	1.60	0.00
EX A-3	14.20	0.00	0.00	0.00	0.33	0.00	3.20	10.40	0.27
EX A-4	2.90	0.00	0.00	0.35	0.00	0.00	0.00	2.55	0.00
EX A-5	29.00	0.00	0.00	0.00	0.00	0.00	15.20	13.80	0.00
EX A-6	4.50	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00
EX A-7	2.30	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00
EX A-8	1.80	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.60

HydroCAD Pre-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP A-3	2.68	5.05	9.60	14.22	22.22	30.16	39.76
DP A-4	1.06	1.87	3.35	4.80	7.26	9.67	12.56
DP A-5	7.43	11.89	19.75	27.37	40.04	52.34	66.93
Grand Total	**11.17**	**18.81**	**32.70**	**46.39**	**69.52**	**92.17**	**119.25**

**NOTE: Pre-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- *LeB* — SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:

THE EXISTING LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS WOODED.

N

250 125 0 250 500

SCALE : 1" = 250'

NO.	REVISION	DATE

TRC

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JUNO BEACH, FL 33408

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:

PRE–DEVELOPMENT MAP – SITE A

ISSUE FOR PERMITTING ONLY. NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES.

SCALE:	1" = 250'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	2 OF 4

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Existing Land Cover

Area #	Total Area (ac)	Ex. Woods (ac) Hydrologic Soil Group (HSG) A	B	C	D	Ex. Meadow (ac) Hydrologic Soil Group (HSG) A	B	C	D
EX B-1	10.40	0.00	0.00	0.00	0.00	0.00	5.20	0.00	5.20
EX B-2	7.70	0.00	0.00	0.00	0.00	0.00	5.00	0.00	2.70
EX B-3	9.60	0.00	0.00	0.00	0.00	0.00	7.00	1.90	0.70
EX B-4	9.00	0.00	0.00	0.00	0.00	0.00	2.20	6.80	0.00
EX C-1	15.10	0.00	0.00	0.00	0.00	0.00	4.10	10.10	0.90
EX C-2	10.40	0.00	0.00	0.00	0.00	0.00	5.90	4.50	0.00
EX C-3	6.70	0.00	0.00	0.00	0.00	0.00	6.20	0.50	0.00
EX D-1	0.60	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.20
EX D-2	3.10	0.00	0.00	0.00	0.00	0.00	2.20	0.30	0.60
EX D-3	7.70	0.00	0.00	0.00	0.00	0.00	3.00	0.20	4.50

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP B-1	3.13	5.93	11.13	16.32	25.21	34.01	44.62
DP B-2	1.09	2.49	5.41	8.50	13.93	19.43	26.18
DP B-3	0.50	1.58	4.22	7.26	12.90	18.77	26.15
Grand Total	**4.72**	**10.00**	**20.76**	**32.08**	**52.04**	**72.21**	**96.95**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

HydroCAD Post-Dev. Runoff Rate (cfs)*

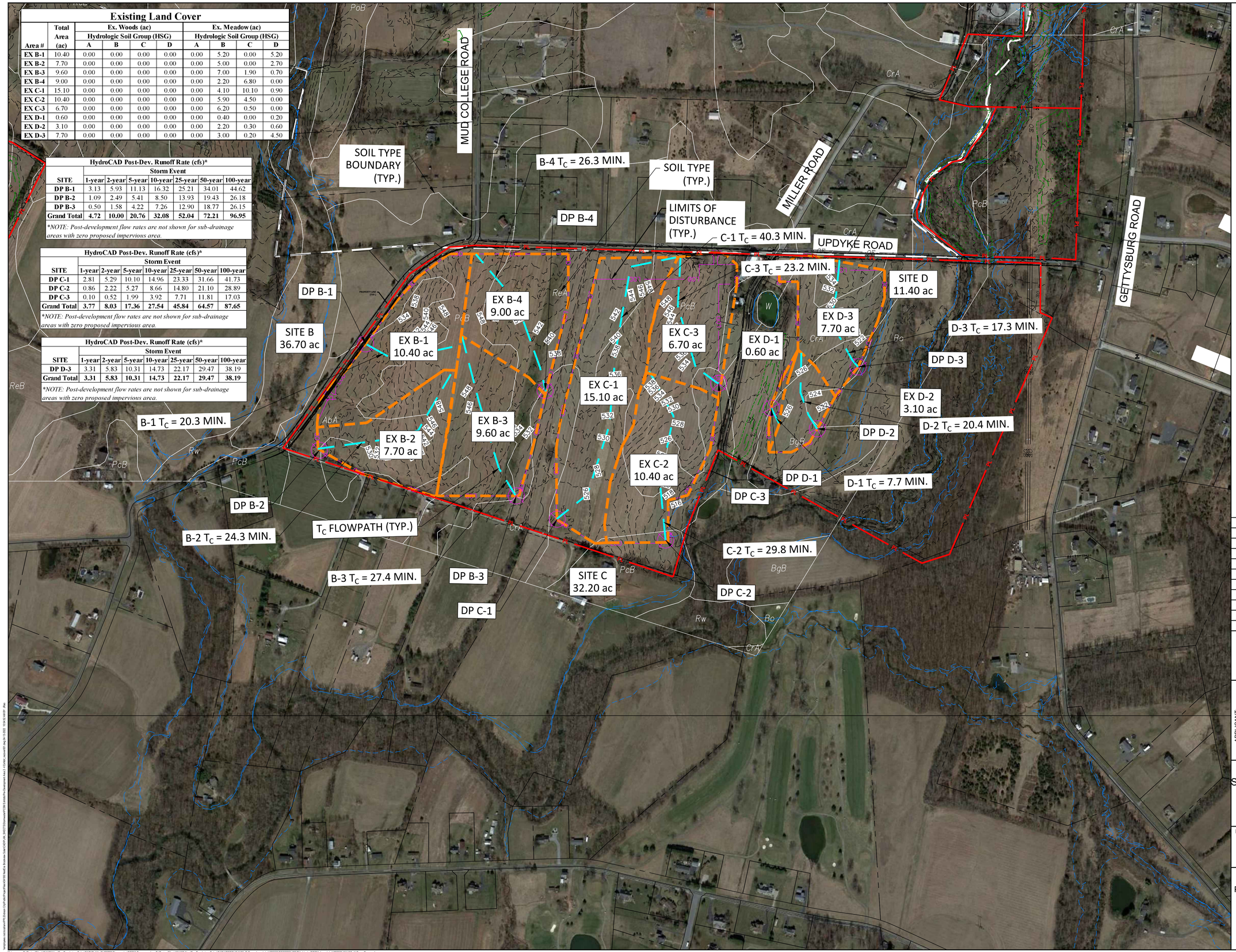
SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP C-1	2.81	5.29	10.10	14.96	23.33	31.66	41.73
DP C-2	0.86	2.22	5.27	8.66	14.80	21.10	28.89
DP C-3	0.10	0.52	1.99	3.92	7.71	11.81	17.03
Grand Total	**3.77**	**8.03**	**17.36**	**27.54**	**45.84**	**64.57**	**87.65**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP D-3	3.31	5.83	10.31	14.73	22.17	29.47	38.19
Grand Total	**3.31**	**5.83**	**10.31**	**14.73**	**22.17**	**29.47**	**38.19**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*



LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- LeB — SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:

THE EXISTING LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS WOODED.

N

250 125 0 250 500

SCALE : 1" = 250'

NO.	REVISION	DATE

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JUNO BEACH, FL 33408

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:

PRE–DEVELOPMENT SITES B, C & D

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SCALE:	1" = 250'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	3 OF 4

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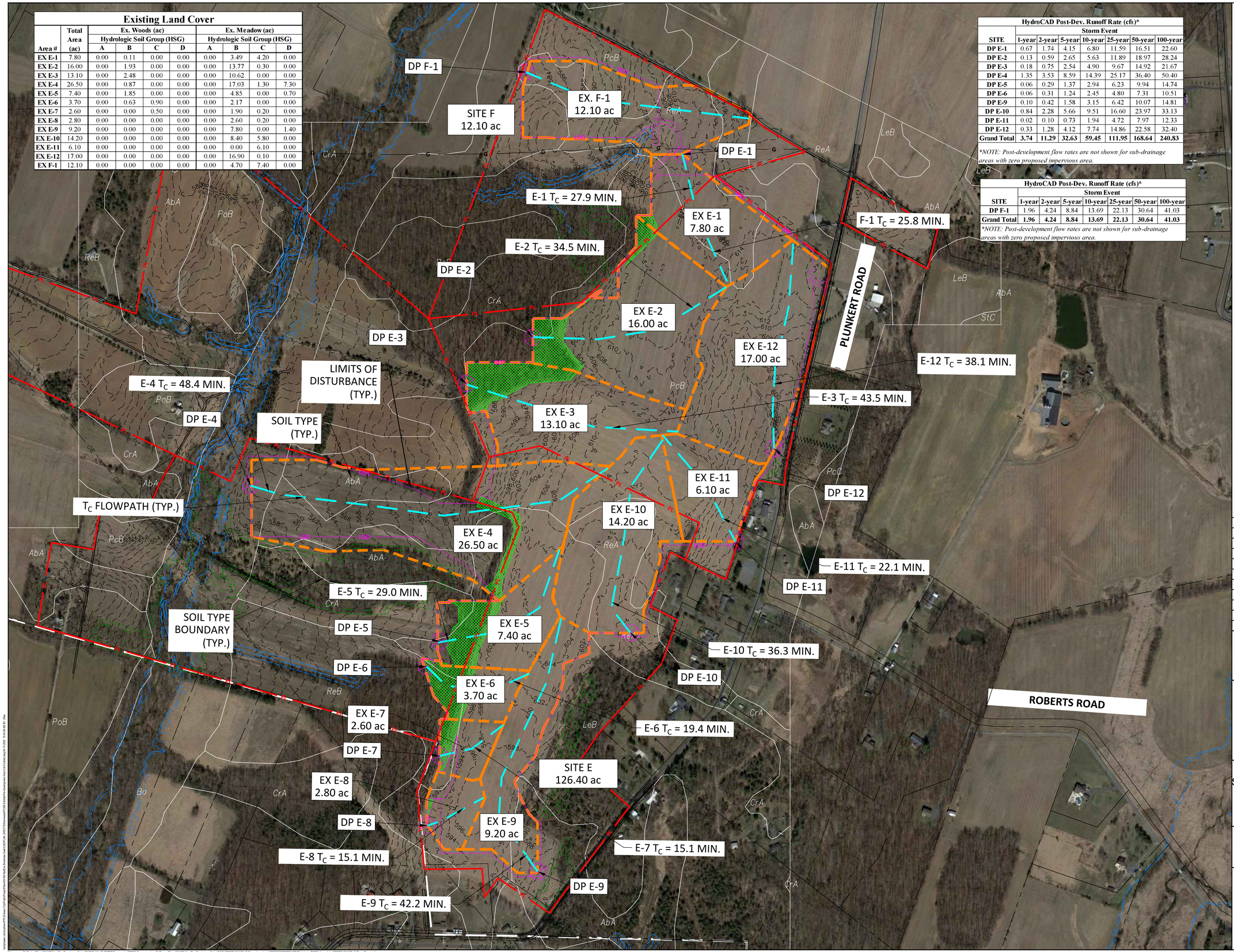

Existing Land Cover

Area #	Total Area (ac)	Ex. Woods (ac) Hydrologic Soil Group (HSG) A	B	C	D	Ex. Meadow (ac) Hydrologic Soil Group (HSG) A	B	C	D
EX E-1	7.80	0.00	0.11	0.00	0.00	0.00	3.49	4.20	0.00
EX E-2	16.00	0.00	1.93	0.00	0.00	0.00	13.77	0.30	0.00
EX E-3	13.10	0.00	2.48	0.00	0.00	0.00	10.62	0.00	0.00
EX E-4	26.50	0.00	0.87	0.00	0.00	0.00	17.03	1.30	7.30
EX E-5	7.40	0.00	1.85	0.00	0.00	0.00	4.85	0.00	0.70
EX E-6	3.70	0.00	0.63	0.90	0.00	0.00	2.17	0.00	0.00
EX E-7	2.60	0.00	0.00	0.50	0.00	0.00	1.90	0.20	0.00
EX E-8	2.80	0.00	0.00	0.00	0.00	0.00	2.60	0.20	0.00
EX E-9	9.20	0.00	0.00	0.00	0.00	0.00	7.80	0.00	1.40
EX E-10	14.20	0.00	0.00	0.00	0.00	0.00	8.40	5.80	0.00
EX E-11	6.10	0.00	0.00	0.00	0.00	0.00	0.00	6.10	0.00
EX E-12	17.00	0.00	0.00	0.00	0.00	0.00	16.90	0.10	0.00
EX F-1	12.10	0.00	0.00	0.00	0.00	0.00	4.70	7.40	0.00

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP E-1	0.67	1.74	4.15	6.80	11.59	16.51	22.60
DP E-2	0.13	0.59	2.65	5.63	11.89	18.97	28.24
DP E-3	0.18	0.75	2.54	4.90	9.67	14.92	21.67
DP E-4	1.35	3.53	8.59	14.39	25.17	36.40	50.40
DP E-5	0.06	0.29	1.37	2.94	6.23	9.94	14.74
DP E-6	0.06	0.31	1.24	2.45	4.80	7.31	10.51
DP E-9	0.10	0.42	1.58	3.15	6.42	10.07	14.81
DP E-10	0.84	2.28	5.66	9.51	16.60	23.97	33.13
DP E-11	0.02	0.10	0.73	1.94	4.72	7.97	12.33
DP E-12	0.33	1.28	4.12	7.74	14.86	22.58	32.40
Grand Total	**3.74**	**11.29**	**32.63**	**59.45**	**111.95**	**168.64**	**240.83**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP F-1	1.96	4.24	8.84	13.69	22.13	30.64	41.03
Grand Total	**1.96**	**4.24**	**8.84**	**13.69**	**22.13**	**30.64**	**41.03**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- *LeB* SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:

THE EXISTING LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS WOODED.

N

250 125 0 250 500

SCALE : 1" = 250'

NO.	REVISION	DATE

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POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:

PRE–DEVELOPMENT MAP – SITES E & F

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SCALE:	1" = 250'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	4 OF 4

Xrefs: D:\Project Files\434186 NextEra Brookview Solar\CAD\PLAN_SHEETS\Stormwater\PCSM Basemap.dwg O:\Project Files\434186 NextEra Brookview Solar\CAD\XREFS\434186_P-Base.dwg ..\..\..\XREF\REFERENCE\Titleblock_PCSM.dwg ..\..\..\XREF\434186_X-Base-Survey.dwg
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Proposed Land Cover

SITE	Total Area (ac)	Prop. Impervious Area (HSG A)	Prop. Impervious Area (HSG B)	Prop. Impervious Area (HSG C)	Prop. Impervious Area (HSG D)	Prop. Meadow (HSG A)	Prop. Meadow (HSG B)	Prop. Meadow (HSG C)	Prop. Meadow (HSG D)
A	64.10	0.00	0.00	0.67	0.23	0.00	11.67	36.76	14.77
B	36.70	0.00	0.27	0.00	0.08	1.20	17.93	9.20	8.02
C	32.20	0.00	0.32	0.22	0.00	1.55	14.96	14.25	0.90
D	11.40	0.00	0.00	0.00	0.12	0.00	5.60	1.35	4.33
E	126.40	0.00	2.53	0.00	0.00	17.54	83.66	13.27	9.40
F	12.10	0.00	0.00	0.23	0.00	0.35	5.21	6.31	0.00
Grand Total	**282.90**	**0.00**	**3.12**	**1.12**	**0.43**	**20.64**	**139.03**	**81.14**	**37.42**

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event						
	1-year	2-year	5-year	10-year	25-year	50-year	100-year
A	11.17	18.81	32.70	46.39	69.52	92.17	119.25
B	4.72	10.00	20.76	32.08	52.04	72.21	96.95
C	3.77	8.03	17.36	27.54	45.84	64.57	87.65
D	3.31	5.83	10.31	14.73	22.17	29.47	38.19
E	3.74	11.29	32.63	59.45	111.95	168.64	240.83
F	1.96	4.24	8.84	13.69	22.13	30.64	41.03
Grand Total	**28.67**	**58.20**	**122.60**	**193.88**	**323.65**	**457.70**	**623.90**

**NOTE: These values are the sum of the runoff rates at each design point within each site.*

LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- LeB — SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:

THE PROPOSED LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS IMPERVIOUS GRAVEL ROAD & WOODED.

N

500 250 0 500 1000

SCALE : 1" = 500'

NO.	REVISION	DATE

TRC

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JUNO BEACH, FL 33408

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:

POST–DEVELOPMENT OVERALL DRAINAGE MAP

ISSUE FOR PERMITTING ONLY. NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES.

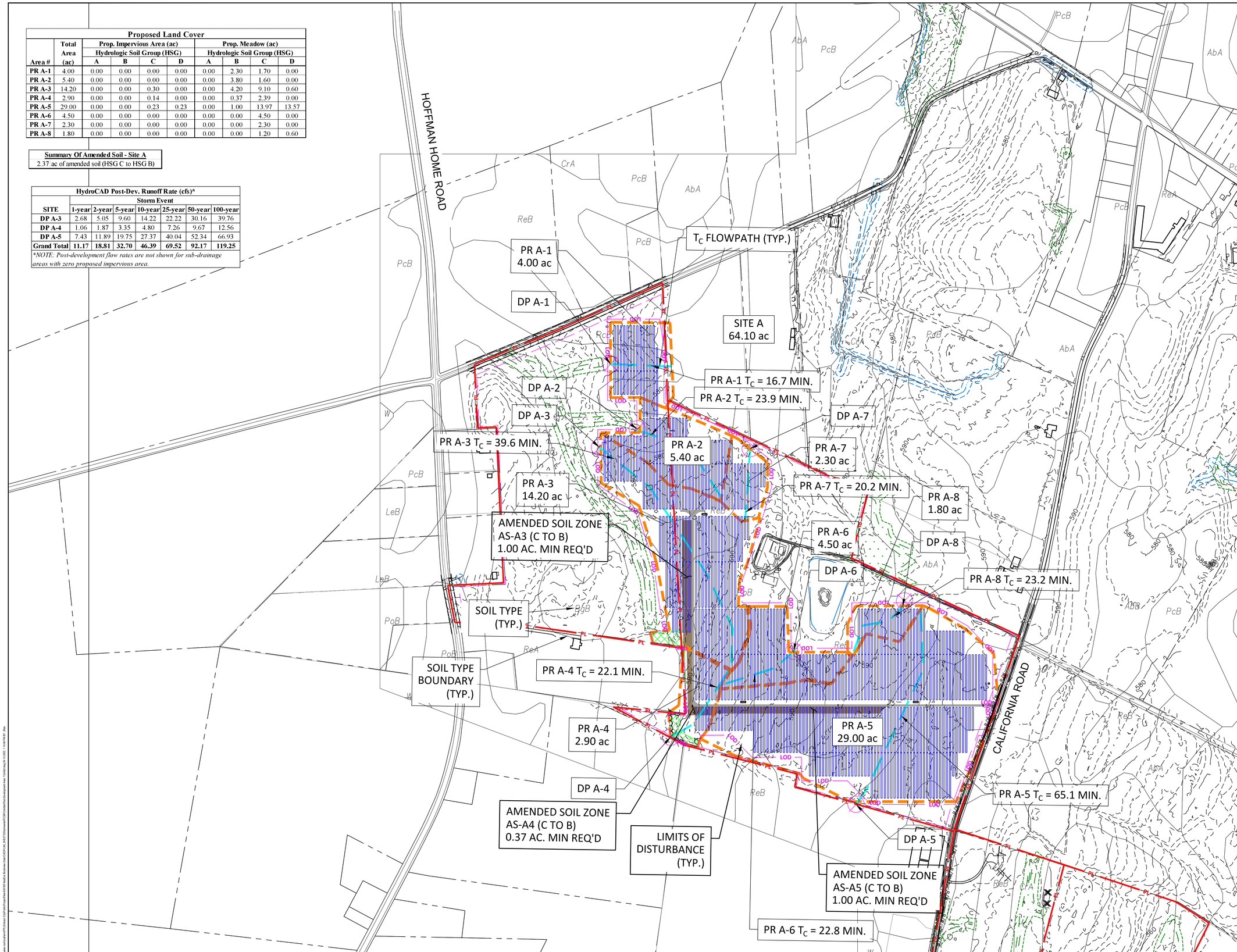
SCALE:	1" = 500'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	1 OF 4

Proposed Land Cover									
	Total Area (ac)	Prop. Impervious Area (ac) Hydrologic Soil Group (HSG)				Prop. Meadow (ac) Hydrologic Soil Group (HSG)			
Area #		A	B	C	D	A	B	C	D
PR A-1	4.00	0.00	0.00	0.00	0.00	0.00	2.30	1.70	0.00
PR A-2	5.40	0.00	0.00	0.00	0.00	0.00	3.80	1.60	0.00
PR A-3	14.20	0.00	0.00	0.30	0.00	0.00	4.20	9.10	0.60
PR A-4	2.90	0.00	0.00	0.14	0.00	0.00	0.37	2.39	0.00
PR A-5	29.00	0.00	0.00	0.23	0.23	0.00	1.00	13.97	13.57
PR A-6	4.50	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.00
PR A-7	2.30	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.00
PR A-8	1.80	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.60

Summary Of Amended Soil - Site A
2.37 ac of amended soil (HSG C to HSG B)

HydroCAD Post-Dev. Runoff Rate (cfs)*							
	Storm Event						
SITE	1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP A-3	2.68	5.05	9.60	14.22	22.22	30.16	39.76
DP A-4	1.06	1.87	3.35	4.80	7.26	9.67	12.56
DP A-5	7.43	11.89	19.75	27.37	40.04	52.34	66.93
Grand Total	**11.17**	**18.81**	**32.70**	**46.39**	**69.52**	**92.17**	**119.25**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*



LEGEND

- WOODED AREA
- DRAINAGE DESIGN POINT
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE AREA BOUNDARY
- SOIL BOUNDARY
- LeB — SOIL TYPE
- TIME OF CONCENTRATION FLOW PATH
- PL — PROPERTY LINE

NOTE:
THE PROPOSED LAND COVER OF THE ENTIRETY OF THE PROJECT BOUNDARY IS "PERVIOUS MEADOW" UNLESS DEPICTED AS IMPERVIOUS GRAVEL ROAD & WOODED.

N

250 125 0 250 500
SCALE : 1" = 250'

NO.	REVISION	DATE

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APPLICANT:
BROOKVIEW SOLAR I, LLC.
700 UNIVERSE BLVD.
JUNO BEACH, FL 33408

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:
POST-DEVELOPMENT MAP – SITE A

ISSUE FOR PERMITTING ONLY. NOT INTENDED FOR CONSTRUCTION OR BIDDING PURPOSES.

SCALE:	1" = 250'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	2 OF 4

Xrefs: O:\Projectfiles\434186 NextEra Brookview Solar\CAD\PLAN_SHEETS\Stormwater\PCSM Basemap.dwg O:\Projectfiles\434186 NextEra Brookview Solar\CAD\XREFS\434186_P-Base.dwg ,\,\,\XREFS\REFERENCE\Titleblock_PCSM.dwg ,\,\,\XREFS\434186_X-Base-Survey.dwg
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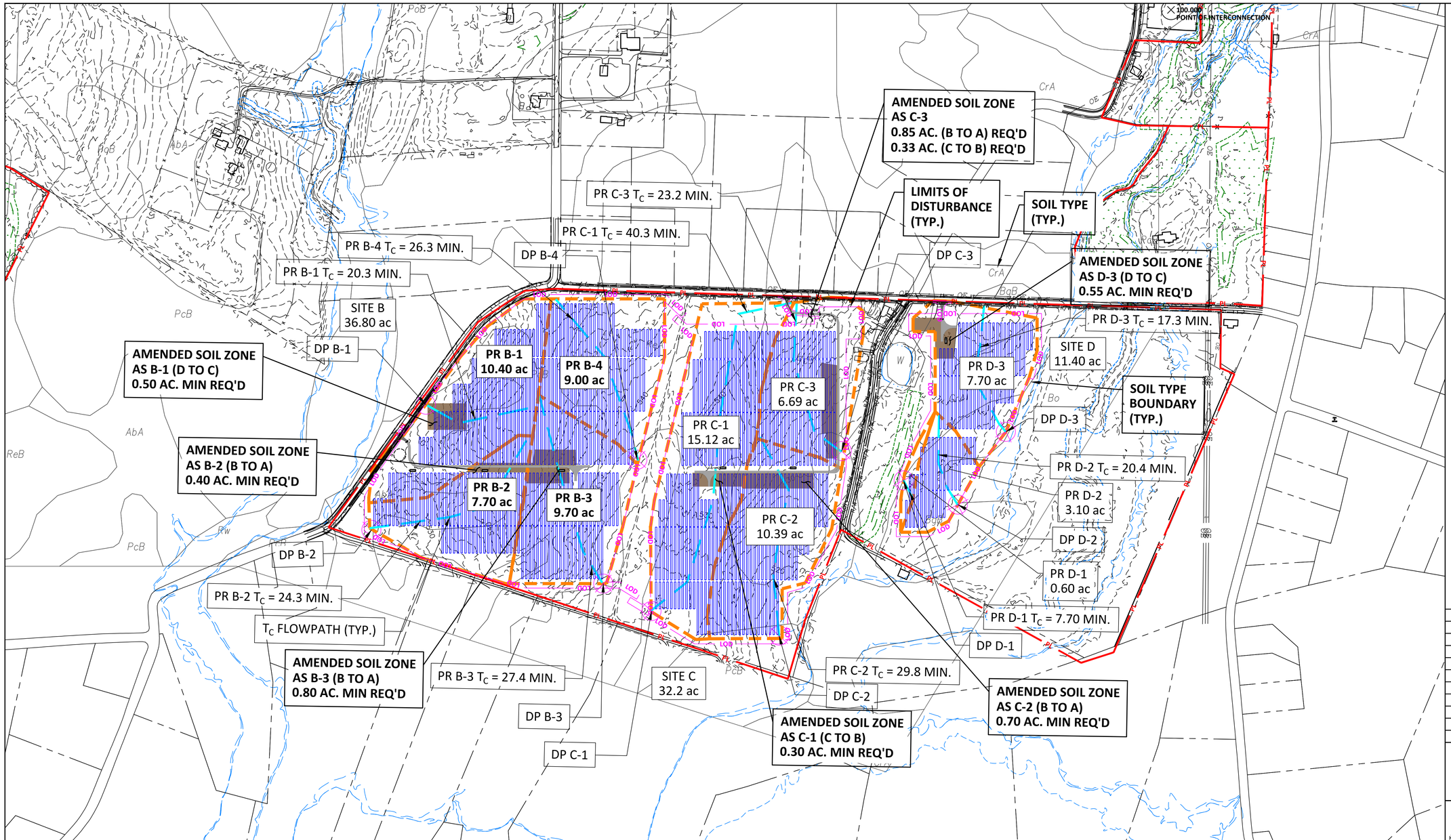

LEGEND

- WOODED AREA
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NOTE:
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N

250 125 0 250 500
SCALE : 1" = 250'

Proposed Land Cover

Area #	Total Area (ac)	Prop. Impervious Area (ac) Hydrologic Soil Group (HSG) A	B	C	D	Prop. Meadow (ac) Hydrologic Soil Group (HSG) A	B	C	D
PR B-1	10.40	0.00	0.06	0.00	0.08	0.00	5.14	0.50	4.62
PR B-2	7.70	0.00	0.08	0.00	0.00	0.40	4.52	0.00	2.70
PR B-3	9.60	0.00	0.13	0.00	0.00	0.80	6.07	1.90	0.70
PR B-4	9.00	0.00	0.00	0.00	0.00	0.00	2.20	6.80	0.00
PR C-1	15.10	0.00	0.01	0.11	0.00	0.00	4.39	9.69	0.90
PR C-2	10.40	0.00	0.10	0.04	0.00	0.70	5.10	4.46	0.00
PR C-3	6.70	0.00	0.21	0.07	0.00	0.85	5.47	0.10	0.00
PR D-1	0.60	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.20
PR D-2	3.10	0.00	0.00	0.00	0.00	0.00	2.20	0.60	0.30
PR D-3	7.70	0.00	0.00	0.00	0.12	0.00	3.00	0.75	3.83

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP B-1	3.13	5.93	11.13	16.32	25.21	34.01	44.62
DP B-2	1.09	2.49	5.41	8.50	13.93	19.43	26.18
DP B-3	0.50	1.58	4.22	7.26	12.90	18.77	26.15
Grand Total	**4.72**	**10.00**	**20.76**	**32.08**	**52.04**	**72.21**	**96.95**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP D-3	3.31	5.83	10.31	14.73	22.17	29.47	38.19
Grand Total	**3.31**	**5.83**	**10.31**	**14.73**	**22.17**	**29.47**	**38.19**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP C-1	2.81	5.29	10.10	14.96	23.33	31.66	41.73
DP C-2	0.86	2.22	5.27	8.66	14.80	21.10	28.89
DP C-3	0.10	0.52	1.99	3.92	7.71	11.81	17.03
Grand Total	**3.77**	**8.03**	**17.36**	**27.54**	**45.84**	**64.57**	**87.65**

**NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.*

Summary Of Amended Soil - Sites B, C & D

1.05	ac of amended soil (HSG D to HSG C)
0.63	ac of amended soil (HSG C to HSG B)
2.75	ac of amended soil (HSG B to HSG A)
4.43	ac of amended soil

NO.	REVISION	DATE

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POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BROOKVIEW SOLAR I, LLC.
SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:
POST– DEVELOPMENT MAP – SITES B, C & D

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SCALE:	1" = 250'
DATE:	4/19/2022
DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	3 OF 4

Proposed Land Cover

Area #	Total Area (ac)	Prop. Impervious Area (ac) Hydrologic Soil Group (HSG) A	B	C	D	Prop. Meadow (ac) Hydrologic Soil Group (HSG) A	B	C	D
PR E-1	7.80	0.00	0.22	0.00	0.00	0.81	2.80	3.97	0.00
PR E-2	16.00	0.00	0.45	0.00	0.00	3.07	12.18	0.00	0.30
PR E-3	13.10	0.00	0.06	0.00	0.00	1.05	11.99	0.00	0.00
PR E-4	26.50	0.00	0.73	0.00	0.00	3.96	13.21	1.60	7.00
PR E-5	7.40	0.00	0.23	0.00	0.00	1.71	4.76	0.00	0.70
PR E-6	3.70	0.00	0.03	0.00	0.00	0.77	2	0.90	0.00
PR E-7	2.60	0.00	0.00	0.00	0.00	0.35	1.55	0.70	0.00
PR E-8	2.80	0.00	0.00	0.00	0.00	0.00	2.60	0.20	0.00
PR E-9	9.20	0.00	0.28	0.00	0.00	2.18	5.34	0.00	1.40
PR E-10	14.20	0.00	0.17	0.00	0.00	1.14	7.09	5.80	0.00
PR E-11	6.10	0.00	0.20	0.00	0.00	1.63	4.27	0.00	0.00
PR E-12	17.00	0.00	0.16	0.00	0.00	0.87	15.87	0.10	0.00
PR F-1	12.10	0.00	0.00	0.23	0.00	0.35	5.21	6.31	0.00

HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP E-1	0.67	1.74	4.15	6.80	11.59	16.51	22.60
DP E-2	0.13	0.59	2.65	5.63	11.89	18.97	28.24
DP E-3	0.18	0.75	2.54	4.90	9.67	14.92	21.67
DP E-4	1.35	3.53	8.59	14.39	25.17	36.40	50.40
DP E-5	0.06	0.29	1.37	2.94	6.23	9.94	14.74
DP E-6	0.06	0.31	1.24	2.45	4.80	7.31	10.51
DP E-9	0.10	0.42	1.58	3.15	6.42	10.07	14.81
DP E-10	0.84	2.28	5.66	9.51	16.60	23.97	33.13
DP E-11	0.02	0.10	0.73	1.94	4.72	7.97	12.33
DP E-12	0.33	1.28	4.12	7.74	14.86	22.58	32.40
Grand Total	**3.74**	**11.29**	**32.63**	**59.45**	**111.95**	**168.64**	**240.83**

*NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.

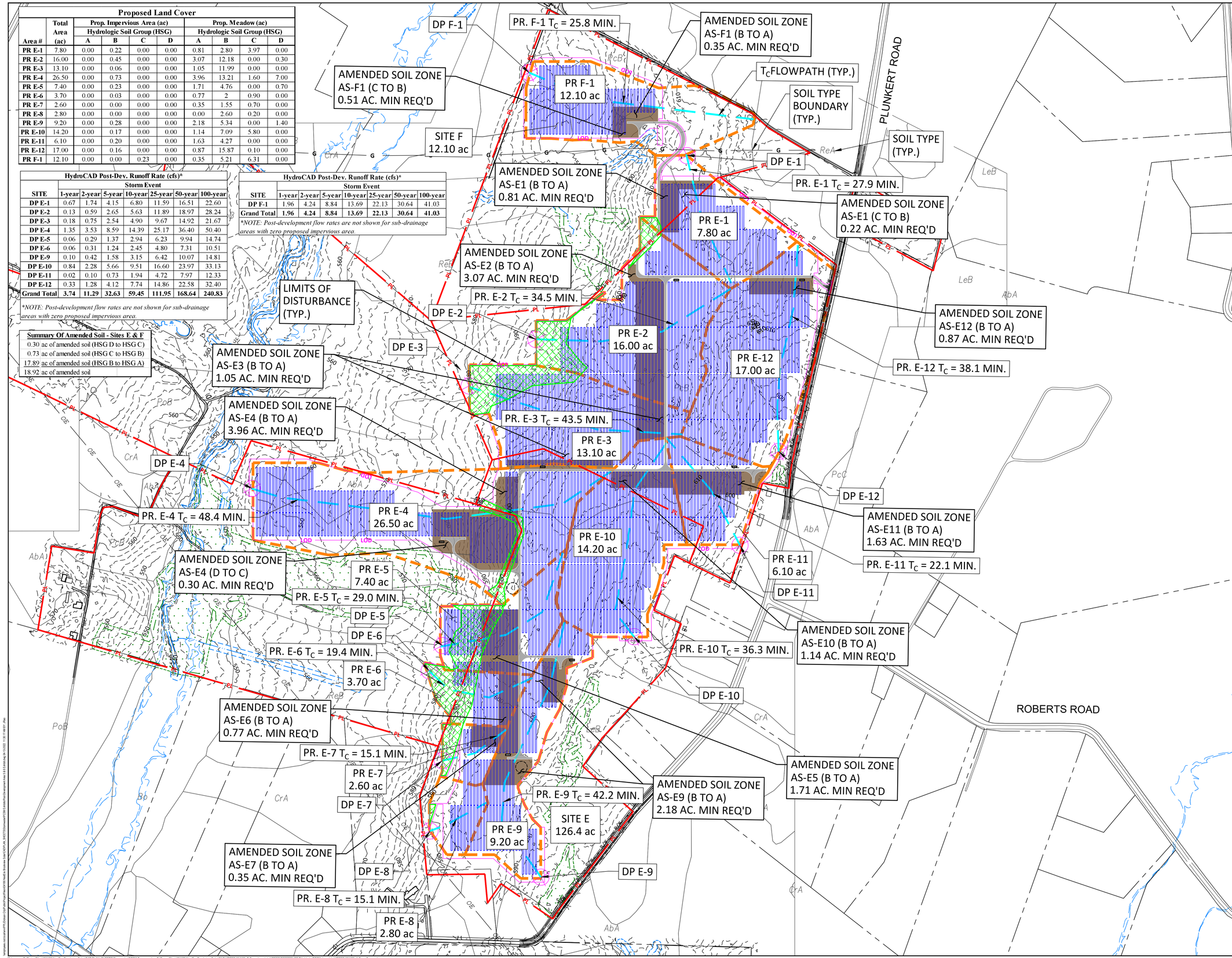
HydroCAD Post-Dev. Runoff Rate (cfs)*

SITE	Storm Event 1-year	2-year	5-year	10-year	25-year	50-year	100-year
DP F-1	1.96	4.24	8.84	13.69	22.13	30.64	41.03
Grand Total	**1.96**	**4.24**	**8.84**	**13.69**	**22.13**	**30.64**	**41.03**

*NOTE: Post-development flow rates are not shown for sub-drainage areas with zero proposed impervious area.

Summary Of Amended Soil - Sites E & F

0.30 ac of amended soil (HSG D to HSG C)
0.73 ac of amended soil (HSG C to HSG B)
17.89 ac of amended soil (HSG B to HSG A)
18.92 ac of amended soil



LEGEND

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NOTE:
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N

250 125 0 250 500
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SOLAR PROJECT
MT. JOY TOWNSHIP, PA

DRAWING TITLE:
POST-DEVELOPMENT MAP - SITES E & F

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SCALE:	1" = 250'
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DRAWN BY:	JR
CHECKED BY:	RAM
PROJECT:	434186
DRAWING NO.:	4 OF 4