

From: [Beckman, Abigail S \(DEC\)](#)
To: [Jonas Bukh](#); engineer@townofvanburen.com
Cc: [Yanosh, Daniel](#); [Deyo, Jacob](#); [Prateek Tare](#); [Ryan Harrington](#); [Trevor Maclachlan](#); [Daniel Spaizman](#); [David Moulton](#); [Jackson Elwell](#); [Brian Parker](#); [Cook, Joshua P \(DEC\)](#)
Subject: RE: Van Buren - Detail ballast culverts
Date: Friday, December 5, 2025 1:55:00 PM
Attachments: [251117 - Culvert Addendum.pdf](#)

Good afternoon,

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the plan "Culvert Addendum", dated November 17, 2025, for the Van Buren Town Landfill (site), which was prepared by Hunt Engineers. The NYSDEC hereby approves the request for the addition of a culvert as is set forth in the attached plan.

If you have any questions, please contact me at 315-426-7735 or e-mail: abigail.beckman@dec.ny.gov.

Thank you
Abigail

Abigail Beckman (*she/her/hers*)
Assistant Engineer

Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7735 M: (680) 323- 0035 | abigail.beckman@dec.ny.gov
dec.ny.gov
[Facebook](#) | [X \(Twitter\)](#) | [YouTube](#) | [Podcast](#)

NYSDEC has a new File Transfer System. We no longer accept third-party links. You can send me files here:

<https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov>

From: Jonas Bukh <jbukh@distributedei.com>
Sent: Friday, December 5, 2025 10:03 AM
To: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>
Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>
Subject: Re: Van Buren - Detail ballast culverts

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hey Abigail,

The culverts will be covered in crushed stone.

From: [Jonas Bukh](#)
To: [Beckman, Abigail S \(DEC\)](#)
Cc: [Yanosh, Daniel](#); [Deyo, Jacob](#); [Prateek Tare](#); [Ryan Harrington](#); [Trevor Maclachlan](#); [Daniel Spaizman](#); [David Moulton](#); [Jackson Elwell](#); [Brian Parker](#)
Subject: Re: Van Buren - Detail ballast culverts
Date: Friday, December 5, 2025 10:02:51 AM

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hey Abigail,

The culverts will be covered in crushed stone.



From: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>
Sent: Thursday, December 4, 2025 1:58 PM
To: Jonas Bukh <jbukh@distributedei.com>
Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>
Subject: RE: Van Buren - Detail ballast culverts

Jonas,

Thank you for this summary. I have one additional question. Can you clarify how the culvert will be anchored in place?

Thank you,
Abigail

Abigail Beckman (*she/her/hers*)
Assistant Engineer

Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7735 M: (680) 323- 0035 | abigail.beckman@dec.ny.gov

dec.ny.gov

[Facebook](#) | [X \(Twitter\)](#) | [YouTube](#) | [Podcast](#)

NYSDEC has a new File Transfer System. We no longer accept third-party links. You can send me files here:

<https://link.edgepilot.com/s/54fdfa96/nPwj4CdoFUSqdh12cWefMA?>

[u=https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov](https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov)

From: Jonas Bukh <jbukh@distributedei.com>

Sent: Tuesday, November 18, 2025 2:44 PM

To: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>

Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>

Subject: Re: Van Buren - Detail ballast culverts

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hey Abigail,

Please see the attached written summary.

Best,

Jonas

Jonas Bukh

617-921-8311

jbukh@distributedei.com

From: Jonas Bukh <jbukh@distributedei.com>

Sent: Tuesday, November 18, 2025 1:24 PM

To: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>

Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare

<ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>

Subject: Re: Van Buren - Detail ballast culverts

Hey Abigial,

Please see the responses below in red.

1. Please provide a written summary for why this change needs to be made along with a written description of the work that is to be done. - **We plan to supply this letter asap. It is in finals stages of internal review.**
2. Does this culvert plan require ground intrusive work on the landfill cap? Will this plan increase the load on the landfill cap and by how much? - **No ground intrusive work is allowed or required**
3. Has there been any change in the ballasts from the approved work plan? - **Yes, adjustments were made for final design.**
4. It is my understanding that the exact locations may have changed along with a decrease in the exact number. Is this correct? - **There was a decrease in the number of modules, and they were maintained away from the steeper edges of the cap.**
5. Are there any other changes that were made? - **no**

Best,
Jonas

Jonas Bukh

617-921-8311

jbukh@distributedei.com

From: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>

Sent: Wednesday, November 12, 2025 11:06 AM

To: Jonas Bukh <jbukh@distributedei.com>

Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan

<tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>

Subject: RE: Van Buren - Detail ballast culverts

Jonas,

I have the following comments and questions:

1. Please provide a written summary for why this change needs to be made along with a written description of the work that is to be done.
2. Does this culvert plan require ground intrusive work on the landfill cap? Will this plan increase the load on the landfill cap and by how much?
3. Has there been any change in the ballasts from the approved work plan? It is my understanding that the exact locations may have changed along with a decrease in the exact number. Is this correct? Are there any other changes that were made?

Abigail Beckman (*she/her/hers*)
Assistant Engineer

Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7735 | abigail.beckman@dec.ny.gov
dec.ny.gov
[Facebook](#) | [X \(Twitter\)](#) | [YouTube](#) | [Podcast](#)

NYSDEC has a new File Transfer System. We no longer accept third-party links. You can send me files here:

https://link.edgepilot.com/s/373c0680/RbX4R_HhrU6bsfzSPr7WmQ?

[u=https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov](https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov)

From: Jonas Bukh <jbukh@distributedei.com>

Sent: Wednesday, November 12, 2025 10:06 AM

To: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>

Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>

Subject: Van Buren - Detail ballast culverts

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

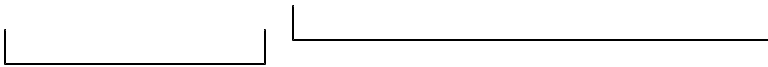
Hey Abigail,

Please see attached Detail for the culverts.

Jonas Bukh

617-921-8311

jbukh@distributedei.com



Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

Links contained in this email have been replaced. If you click on a link in the email above, the link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.

From: [Beckman, Abigail S \(DEC\)](#)
To: [Jonas Bukh](#); engineer@townofvanburen.com
Cc: [Yanosh, Daniel](#); [Deyo, Jacob](#); [Prateek Tare](#); [Ryan Harrington](#); [Trevor Maclachlan](#); [Daniel Spaizman](#); [David Moulton](#); [Jackson Elwell](#); [Brian Parker](#); [Cook, Joshua P \(DEC\)](#)
Subject: RE: Van Buren - Detail ballast culverts
Date: Friday, December 5, 2025 1:55:00 PM
Attachments: [251117 - Culvert Addendum.pdf](#)

Good afternoon,

The New York State Department of Environmental Conservation (NYSDEC) has reviewed the plan "Culvert Addendum", dated November 17, 2025, for the Van Buren Town Landfill (site), which was prepared by Hunt Engineers. The NYSDEC hereby approves the request for the addition of a culvert as is set forth in the attached plan.

If you have any questions, please contact me at 315-426-7735 or e-mail: abigail.beckman@dec.ny.gov.

Thank you
Abigail

Abigail Beckman (*she/her/hers*)
Assistant Engineer

Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7735 M: (680) 323- 0035 | abigail.beckman@dec.ny.gov
dec.ny.gov
[Facebook](#) | [X \(Twitter\)](#) | [YouTube](#) | [Podcast](#)

NYSDEC has a new File Transfer System. We no longer accept third-party links. You can send me files here:

<https://mysend.ny.gov:443/nys/send/to/user/abigailbeckmandecnygov>

From: Jonas Bukh <jbukh@distributedei.com>
Sent: Friday, December 5, 2025 10:03 AM
To: Beckman, Abigail S (DEC) <abigail.beckman@dec.ny.gov>
Cc: Yanosh, Daniel <yanoshd@hunt-eas.com>; Deyo, Jacob <deyoj@hunt-eas.com>; Prateek Tare <ptare@distributedei.com>; Ryan Harrington <rharrington@distributeder.com>; Trevor Maclachlan <tmaclachlan@distributeder.com>; Daniel Spaizman <dspaizman@distributedei.com>; David Moulton <dmoulton@distributedei.com>; Jackson Elwell <jelwell@distributedei.com>; Brian Parker <bparker@distributeder.com>
Subject: Re: Van Buren - Detail ballast culverts

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hey Abigail,

The culverts will be covered in crushed stone.

November 17, 2025

Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway, Syracuse, NY 13214-1867
P: (315) 426-7735 | abigail.beckman@dec.ny.gov

Re: Culvert Addition to Ensure Adequate Drainage
TJA-NY-Van Buren Solar-Dump Road & Kingdom Road, Baldwinsville, NY 13027
HUNT #: 3615-004

Dear Abigail Beckman,

This letter serves to document reasons for the design changes that have led to the inclusion of a culvert. As racking plans were finalized by the racking provider identified in the engineering report and incorporated into the IFC plans they included an array table that straddles the existing drainage swale that collects stormwater runoff for a drainage area of approximately 24,000 SF (0.55 Acre). As the ballast system includes stone shimming to distribute the loads from the array to the cap, a culvert in this location is needed to ensure flow from the cap is effectively drained to the existing stormwater collection system on site.

Culvert Design has been provided attached and has been oversized to carry all the flow of the 50-yr design storm while minimizing any load incurred upon the cap.

There is no ground intrusive work required for this installation. All loads incurred on the cap are to be maintained below 10psi during construction and after completion in accordance with the Final Engineering Report provided by C&S as dated 9/26/2023.

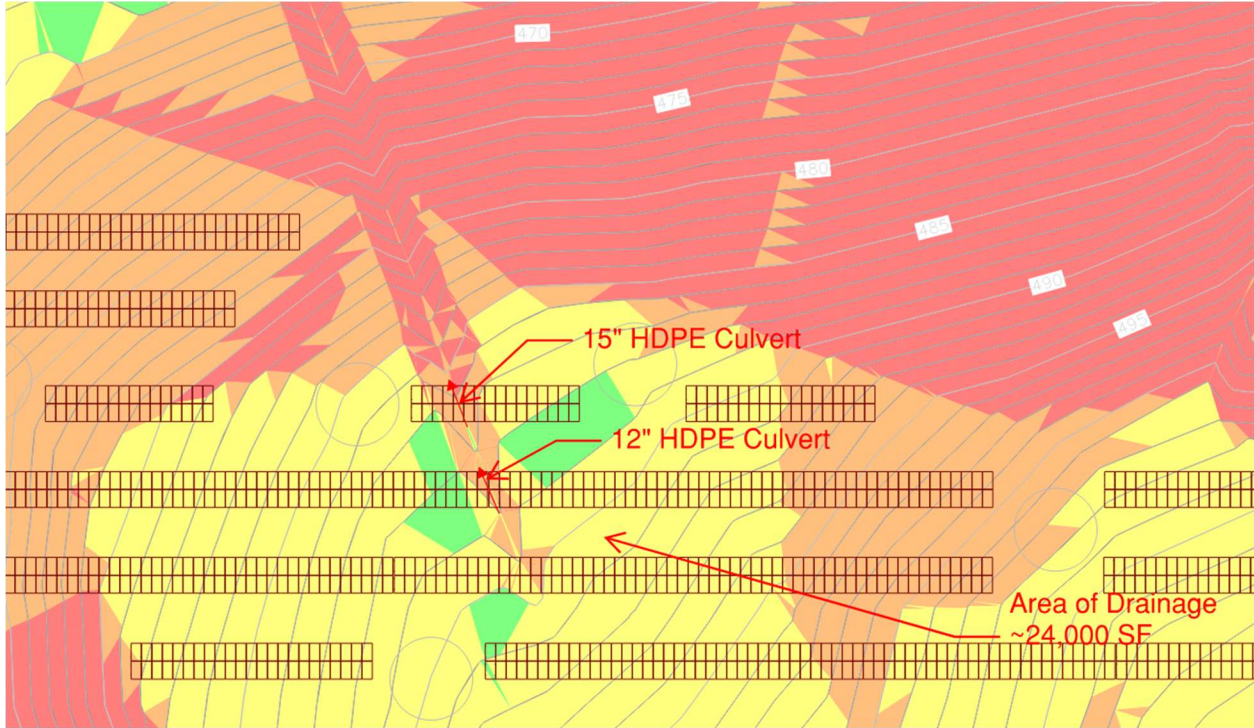
Please contact our office at 585-327-7950 if you have any questions or require additional documentation.

Sincerely,
HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT

Daniel P. Yanosh, PE
Project Manager

enc. Details, Plans, Calcs

c: Jacob Deyo



HUNT ENGINEERS | ARCHITECTS | SURVEYORS

JOB Van Buren

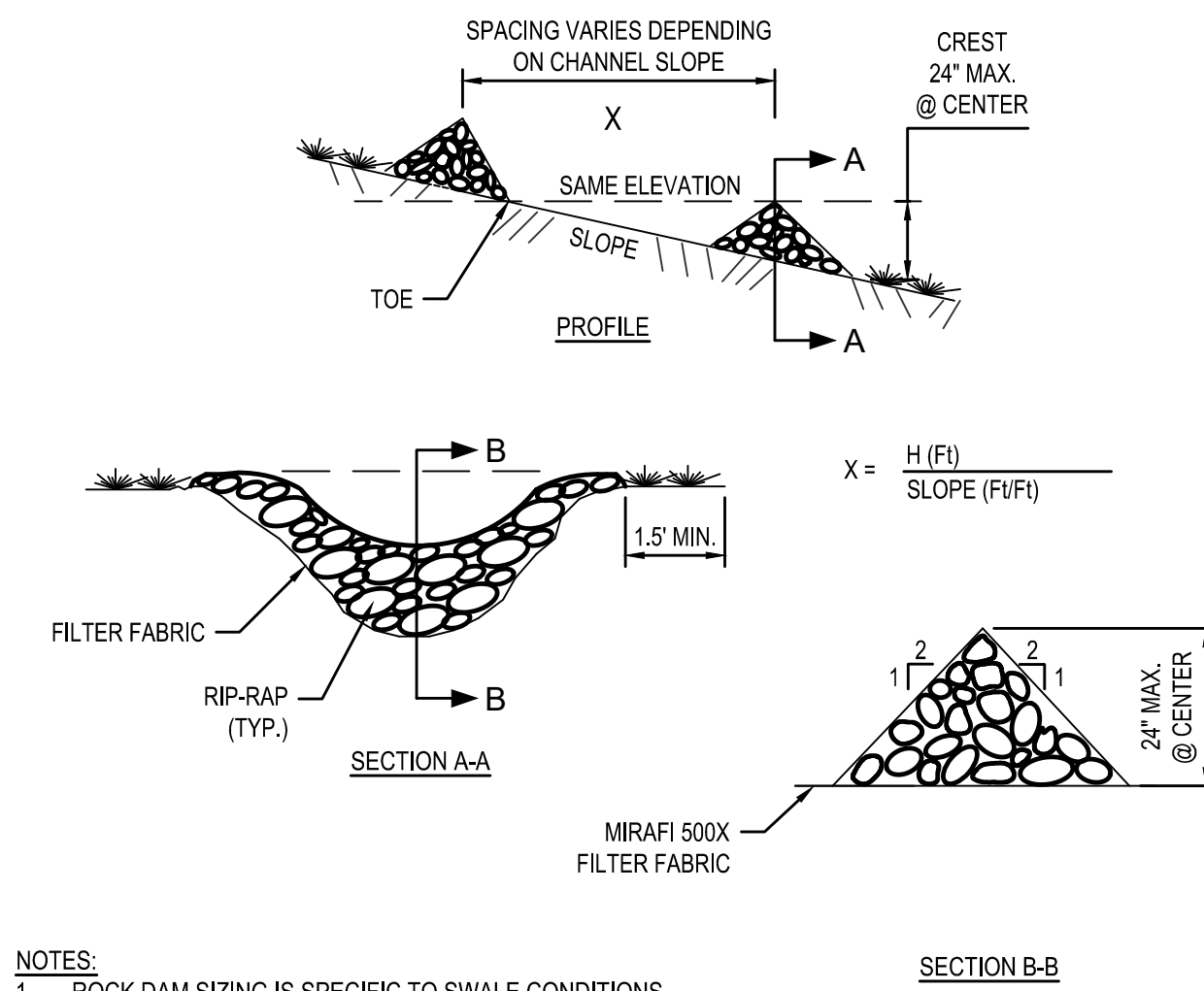
hunt-eas.com

4 Commercial Street, Suite 300
Rochester, NY 14614-1008
100 Hunt Center
Horseheads, NY 14845-1019
1 Elizabeth Street, Suite 12
Towanda, PA 18848-1629

SHEET NO #3615.004 OF 1
CALCULATED BY JD DATE 11/18/2025
CHECKED BY DY DATE
SCALE NOT TO SCALE

Reference Code:

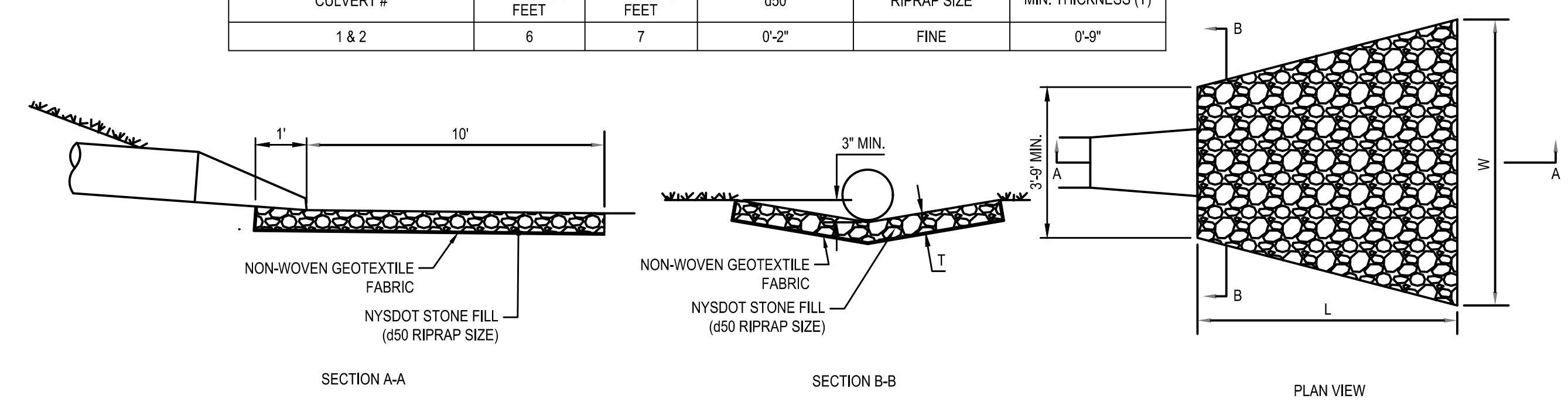
Drainage Area: ≈ 24,000 Square Feet, 0.55 Acres
Soil: Assumed clay soil w. light vegetation
50-yr storm rainfall: 2.0"/hr
Q: 0.67 CFS
Pipe: 6" HDPE @ 2.0% = 0.94 CFS
Use: 12" HDPE



- NOTES:**
- ROCK DAM SIZING IS SPECIFIC TO SWALE CONDITIONS.
 - REFER TO THE PLAN SHEETS FOR CHECK DAM SPACING AND HEIGHT.

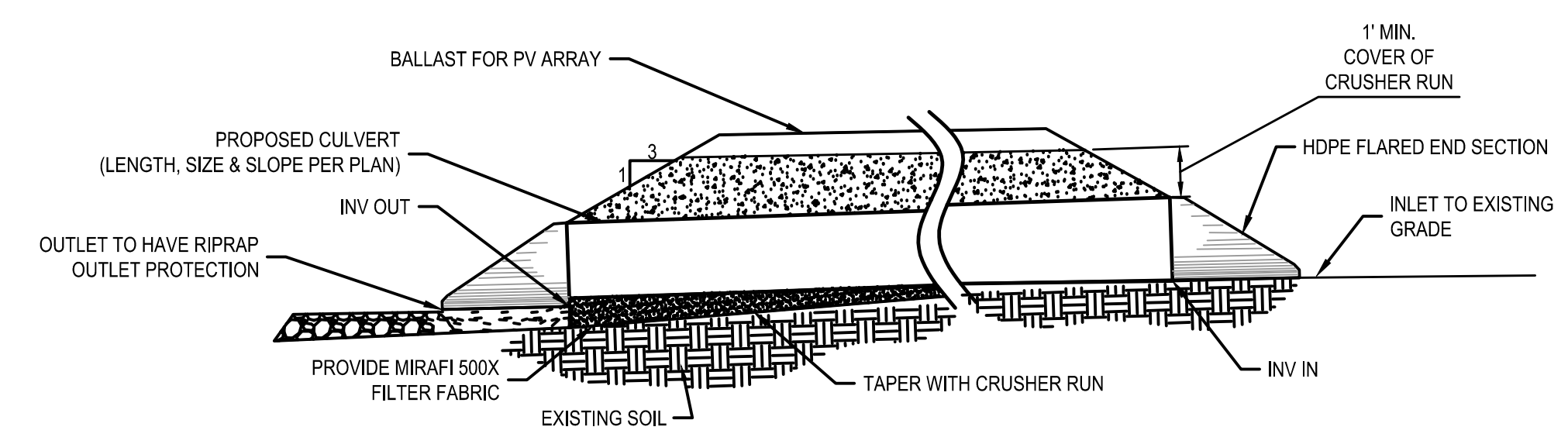
3 CHECK DAM DETAIL
SCALE: N.T.S.

OUTFALL APRON SIZING					
CULVERT #	LENGTH (L) FEET	WIDTH (W) FEET	d50	RIPRAP SIZE	MIN. THICKNESS (T)
1 & 2	6	7	0'-2"	FINE	0'-9"



2 RIP-RAP OUTLET PROTECTION DETAIL
SCALE: N.T.S.

CULVERT DATA			
CULVERT	PROPOSED CULVERT SIZE	INVERT IN	INVERT OUT
1	15" HDPE @ 2.0% MIN.	486.93	486.53
2	12" HDPE @ 2.0% MIN.	488.03	487.63



1 BALLAST CULVERT CROSS SECTION DETAIL
SCALE: N.T.S.

HUNT PROFESSIONAL ENGINEERS ARCHITECTS & SURVEYORS

DRAWN BY:	DJT	
CHECKED BY:	JMD	
DATE:	07/21/2025	
PHASE:	IFC PLANS	
#	DATE	DESCRIPTION OF REVISION:
1	08/22/2025	REVISED PER EQUIPMENT PAD RELOCATION
2	09/03/2025	REVISED MODULE & EQUIPMENT LAYOUT
3	10/20/2025	REV PER NEXAMP COMMENTS & ELEC IFC

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECT'S OR SURVEYOR'S SEAL.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607-368-1000 ROCHESTER, NY 866-397-7050
 TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
 ALBANY, NY 607-788-8081 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

SITE DETAILS

VAN BUREN SOLAR

DISTRIBUTED ENERGY INFRASTRUCTURE

1320 KINGDOM ROAD, BALDWINVILLE, NY, 13027

C604

PROJECT NO: 3615-004

November 17, 2025

Department of Environmental Conservation

Division of Environmental Remediation

5786 Widewaters Parkway, Syracuse, NY 13214-1867

P: (315) 426-7735 | abigail.beckman@dec.ny.gov

Re: Culvert Addition to Ensure Adequate Drainage

TJA-NY-Van Buren Solar-Dump Road & Kingdom Road, Baldwinsville, NY 13027

HUNT #: 3615-004

Dear Abigail Beckman,

This letter serves to document reasons for the design changes that have led to the inclusion of a culvert. As racking plans were finalized by the racking provider identified in the engineering report and incorporated into the IFC plans they included an array table that straddles the existing drainage swale that collects stormwater runoff for a drainage area of approximately 24,000 SF (0.55 Acre). As the ballast system includes stone shimming to distribute the loads from the array to the cap, a culvert in this location is needed to ensure flow from the cap is effectively drained to the existing stormwater collection system on site.

Culvert Design has been provided attached and has been oversized to carry all the flow of the 50-yr design storm while minimizing any load incurred upon the cap.

There is no ground intrusive work required for this installation. All loads incurred on the cap are to be maintained below 10psi during construction and after completion in accordance with the Final Engineering Report provided by C&S as dated 9/26/2023.

Please contact our office at 585-327-7950 if you have any questions or require additional documentation.

Sincerely,

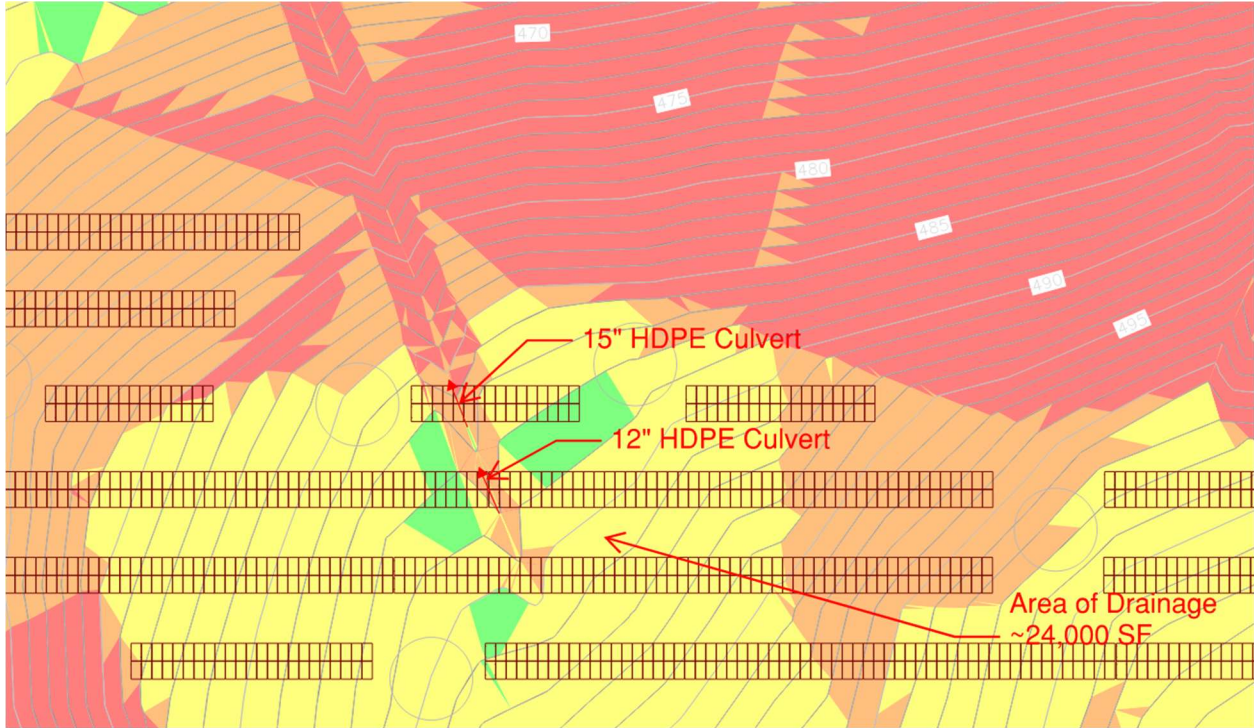
HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT

Daniel P. Yanosh, PE

Project Manager

enc. Details, Plans, Calcs

c: Jacob Deyo



HUNT ENGINEERS | ARCHITECTS | SURVEYORS

JOB Van Buren

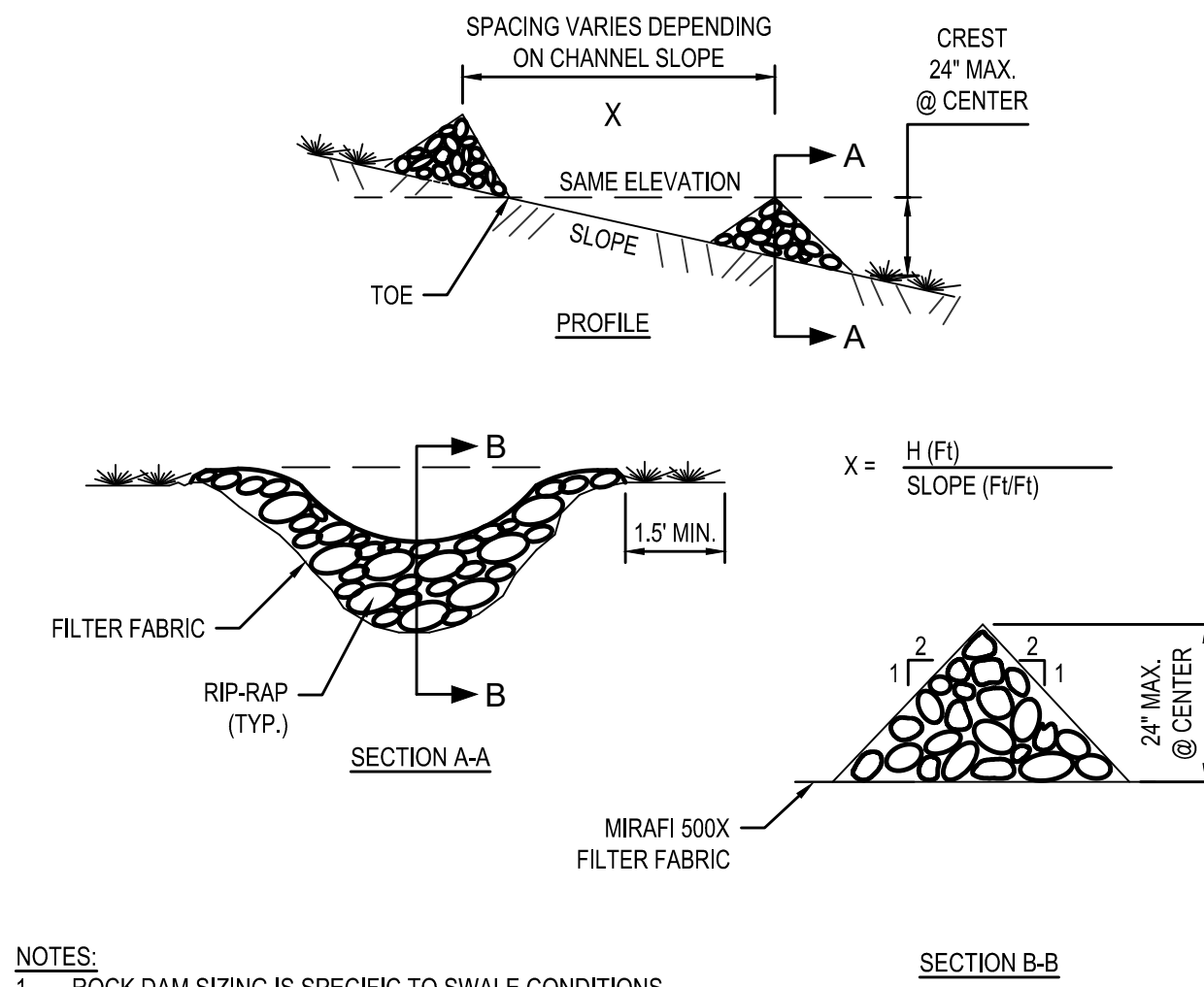
hunt-eas.com

4 Commercial Street, Suite 300
Rochester, NY 14614-1008
100 Hunt Center
Horseheads, NY 14845-1019
1 Elizabeth Street, Suite 12
Towanda, PA 18848-1629

SHEET NO #3615.004 OF 1
CALCULATED BY JD DATE 11/18/2025
CHECKED BY DY DATE _____
SCALE NOT TO SCALE

Reference Code:

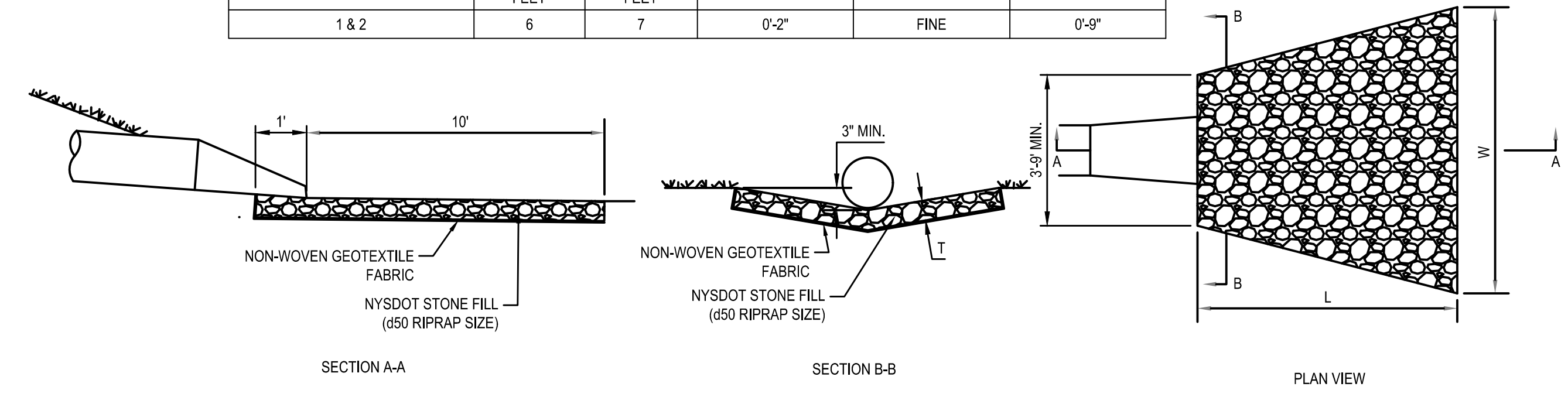
Drainage Area: ≈ 24,000 Square Feet, 0.55 Acres
Soil: Assumed clay soil w. light vegetation
50-yr storm rainfall: 2.0"/hr
Q: 0.67 CFS
Pipe: 6" HDPE @ 2.0% = 0.94 CFS
Use: 12" HDPE



- NOTES:**
- ROCK DAM SIZING IS SPECIFIC TO SWALE CONDITIONS.
 - REFER TO THE PLAN SHEETS FOR CHECK DAM SPACING AND HEIGHT.

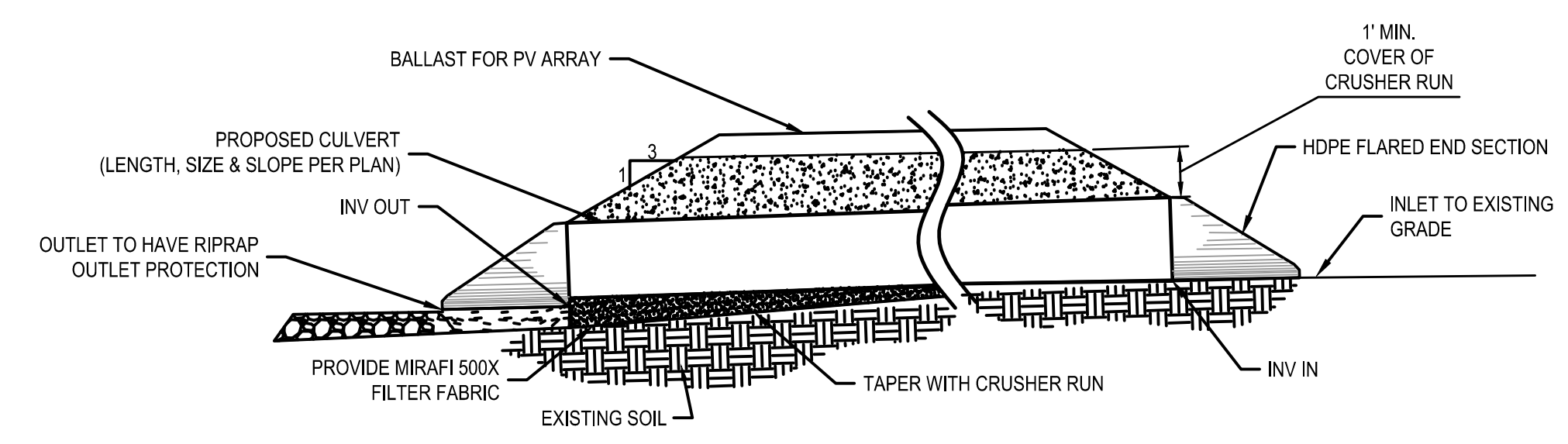
3 CHECK DAM DETAIL
SCALE: N.T.S.

OUTFALL APRON SIZING					
CULVERT #	LENGTH (L) FEET	WIDTH (W) FEET	d50	RIPRAP SIZE	MIN. THICKNESS (T)
1 & 2	6	7	0'-2"	FINE	0'-9"



2 RIP-RAP OUTLET PROTECTION DETAIL
SCALE: N.T.S.

CULVERT DATA			
CULVERT	PROPOSED CULVERT SIZE	INVERT IN	INVERT OUT
1	15" HDPE @ 2.0% MIN.	486.93	486.53
2	12" HDPE @ 2.0% MIN.	488.03	487.63



1 BALLAST CULVERT CROSS SECTION DETAIL
SCALE: N.T.S.

HUNT PROFESSIONAL ENGINEERS ARCHITECTS & SURVEYORS

DRAWN BY: DJT
CHECKED BY: JMD
DATE: 07/21/2025
PHASE: IFC PLANS

#	DATE	DESCRIPTION OF REVISION
1	08/22/2025	REVISED PER EQUIPMENT PAD RELOCATION
2	09/03/2025	REVISED MODULE & EQUIPMENT LAYOUT
3	10/20/2025	REVISED PER NEXAMP COMMENTS & ELEC IFC

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECT'S OR SURVEYOR'S SEAL.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-368-1000 ROCHESTER, NY 565-327-7050
TOWANDA, PA 570-265-4888 BINGHAMTON, NY 607-798-8081
ALBANY, NY 607-788-8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

SITE DETAILS
VAN BUREN SOLAR
DISTRIBUTED ENERGY INFRASTRUCTURE
1320 KINGDOM ROAD, BALDWINVILLE, NY, 13027

C604

PROJECT NO: 3615-004