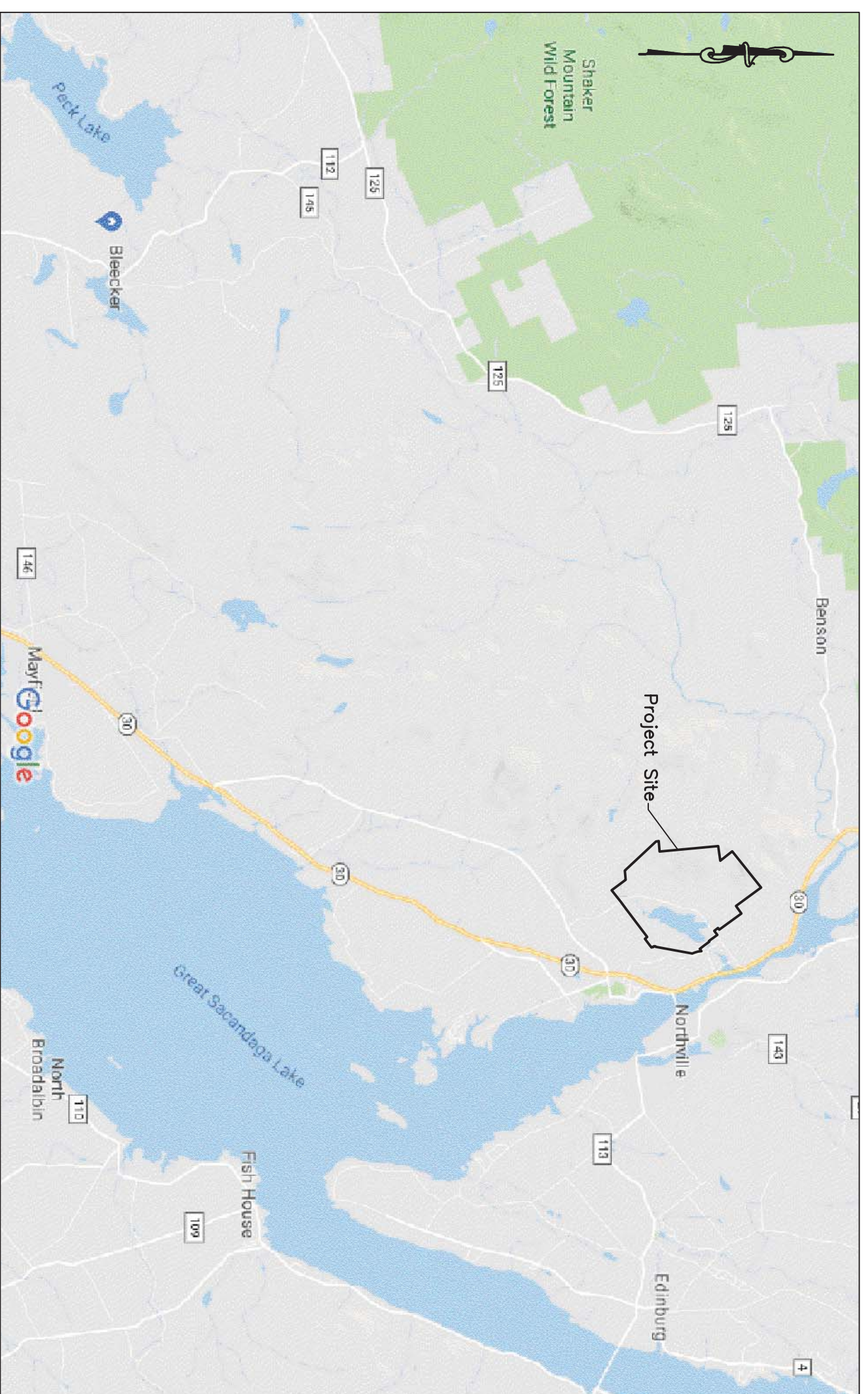


# Woodward Lake Subdivision

## Woodward Lake Properties, LLC

### Towns of Northampton and Mayfield

### Fulton County, New York



Location Map

Drawing Index	
1 and 2	Subdivision Plat (Pending)
G-101	General Subdivision Plan & Site Plan Sheet Index
C-101 thru C-115	Site Plans: Lots 1 thru 33 and Common Areas
C-201	Woodward Lake Drive Plan Sta. 0+00 to Sta. 14+00
C-201	Woodward Lake Drive Plan Sta. 14+00 to Turnaround
C-202	Woodward Lake Drive Centerline Profiles
C-301	Woodward Lake Drive Erosion & Sediment Control Plan
C-401	Typical Lot Development Plans: Site Development, E&SC, & Stormwater Management; Separation Distances
C-402	Soil Profiles, Perc Test Results, Absorption System Design Criteria
C-501	Temporary Construction Entrance, Bridges, & Roads: Typ. Retaining Wall Detail; Sequence of Construction
C-502	Typical Bridge, Culvert, Road, & Driveway Details; Notes & Specifications
C-503	Stormwater Management and Erosion & Sediment Control Details & Specifications
C-504	Typical Drilled Well & Pipe Installation Details: Water & Sewage System Notes; Septic System Maintenance
C-505	Onsite Wastewater System Absorption Trench Requirements, Sections, Details, & Specifications
C-506	Onsite Wastewater System Tanks, Pumping, & Miscellaneous Details
E-101	Utility Plan - Collins-Gifford Valley Road, Lots 1-4 & 18-20
E-102	Utility Plan - Collins-Gifford Valley Road, Lots 5-17
E-103	Utility Plan - Woodward Lake Drive, Lots 22-33

Agency Review Set  
With Revisions Thru 11/12/20

No.	Description	Date
1	Drawing Index Updated	10/09/20
Revision Schedule		

APA Review Set, Project #A2018-0123 01/24/20

Drawing Set Log

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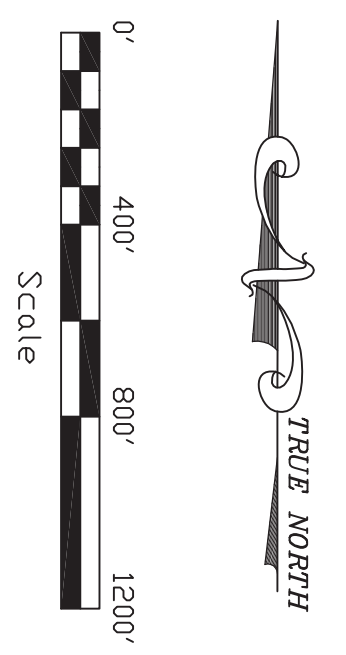
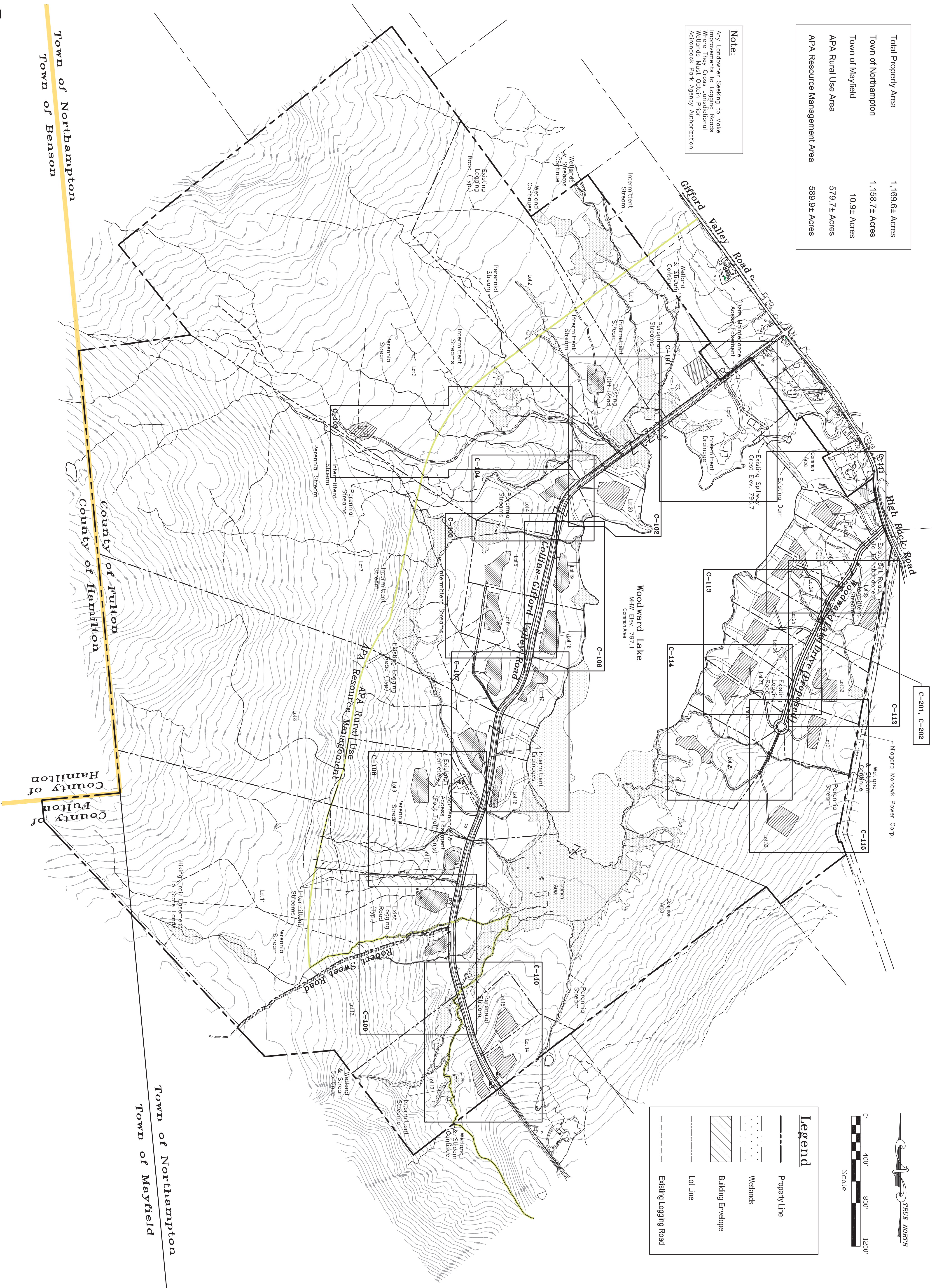
STEVEN E. SMITH

25 WEST FULTON STREET  
GLOVERSVILLE, N.Y. 12078

(518) 725-1555  
SMITHPE@CITLINK.NET

Total Property Area	1,189.64 Acres
Town of Northampton	1,158.74 Acres
Town of Mayfield	10.94 Acres
APA Rural Use Area	579.74 Acres
APA Resource Management Area	589.94 Acres

**Note:**  
Any Landowner Seeking to Make Improvements to Logging Roads Where They Cross Jurisdictional Wetlands Must Obtain Prior Adirondack Park Agency Authorization.



**Legend**

- Property Line
- Wetlands
- Building Envelope
- Lot Line
- Existing Logging Road

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 GLOVERSVILLE, N.Y. 12078  
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Woodward Lake Properties, LLC  
 Towns of Northampton & Mayfield  
 Fulton County, NY

No.	Description	Date
1	Revised Subdivision Plan	09/15/20
2	Added Note Regarding Improvements to Logging Roads	09/24/20
3	Added Existing Logging Road on Lot 7	09/24/20
4	Revised Sheet Layout	09/17/20

Revision Schedule

**Construction Drawing**  
 Agency Review Drawing  
 Drawing Log

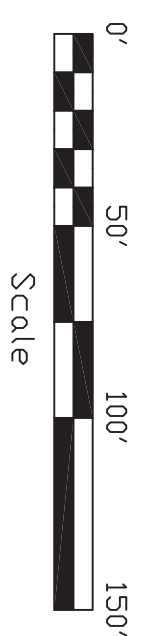
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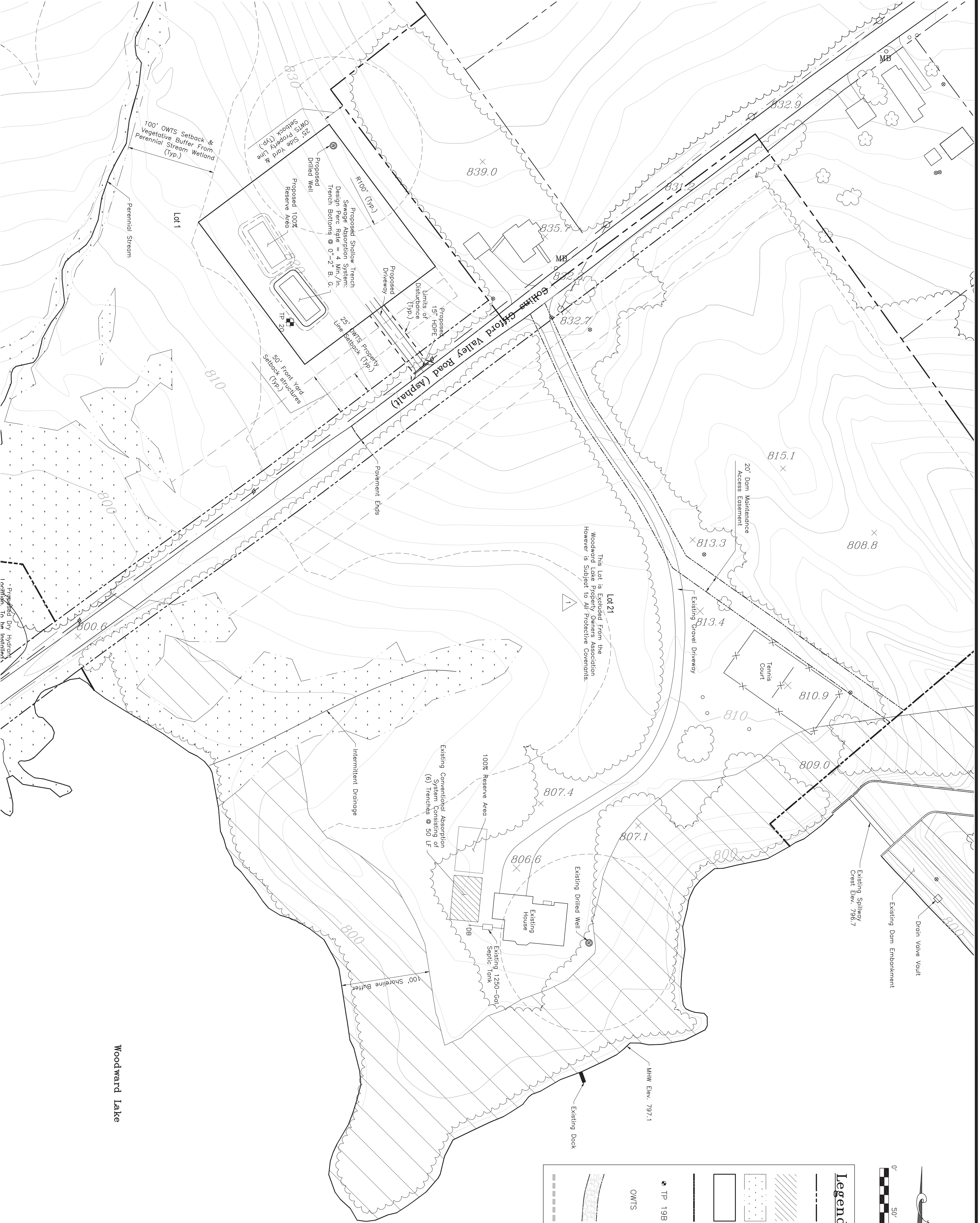
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SHEET NAME:  
 APA Subdivision Application  
 General Subdivision Plan  
 & Site Plan Sheet Index

PAGE:  
**G-101**



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road

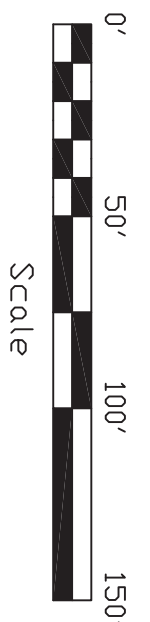


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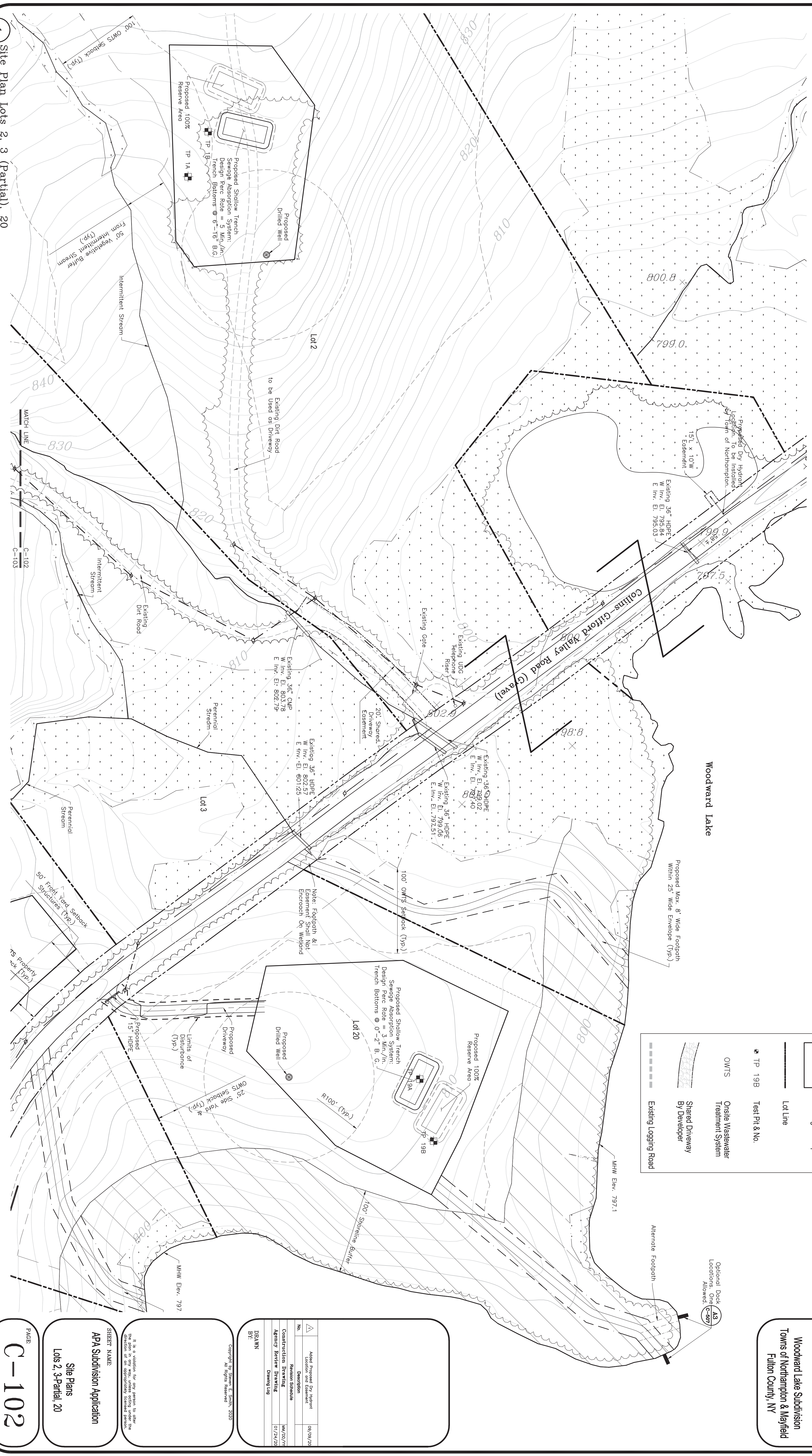
No.	Description	Date
1	Added Note for Lot 21	11/12/20
Revision Schedule		
Construction Drawing		
Agency Review Drawing		
Drawing Log		

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Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	OWTS Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



1 Site Plan Lots 2, 3 (Partial), 20  
Scale: 1" = 50'

C-102  
C-103

PAGE: **C-102**

WOODWARD LAKE PROPERTIES, LLC  
WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

WOODWARD LAKE PROPERTIES, LLC  
WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

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WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

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WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

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WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

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TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

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FULCON COUNTY, NY

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WOODWARD LAKE SUBDIVISION  
TOWNS OF NORTHAMPTON & MAYFIELD  
FULCON COUNTY, NY

No.	Revision/Change Description	Date
1	Added Proposed Dry Hydrant	09/09/20
2	Construction Drawing	10/02/20
3	Agency Review Drawing	01/24/23
4	Drawing Log	

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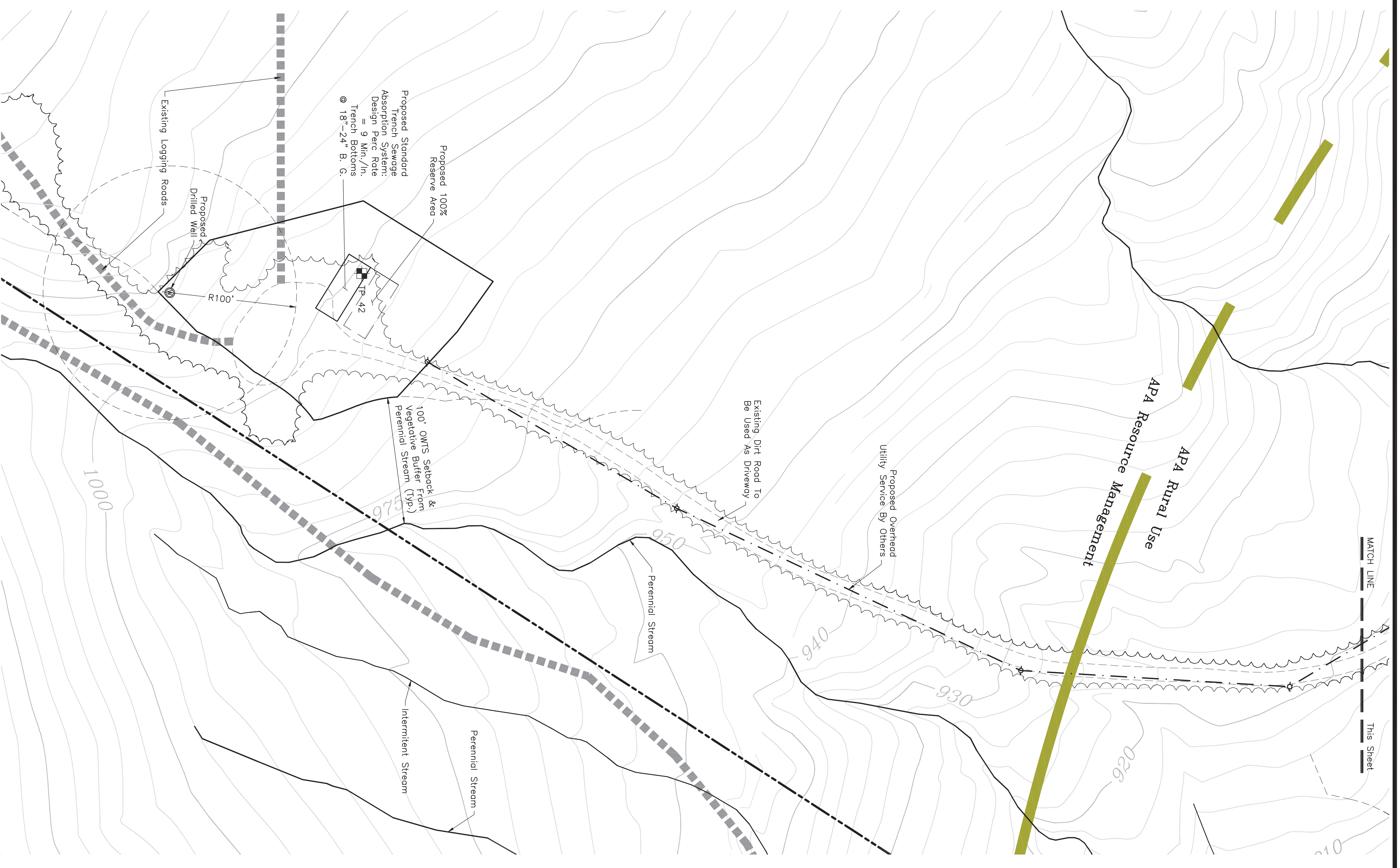
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(518) 723-1855

MATCH LINE  
C-102  
C-103



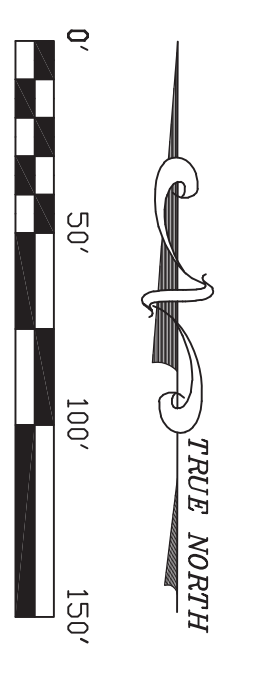
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Site Plan Lot 3  
Scale: 1" = 50'

MATCH LINE  
This Sheet



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Woodward Lake  
Properties, LLC  
Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pt. & No.
	OWTS Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road

No.	Description	Date
1	Final Text Plt Layout & Proposed OWS	11/09/23
2	Revised Lot 3 Building Envelope	09/19/23
Revision Schedule		
Construction Drawing		10/02/23
Agency Review Drawing		01/24/23
Drawing Log		

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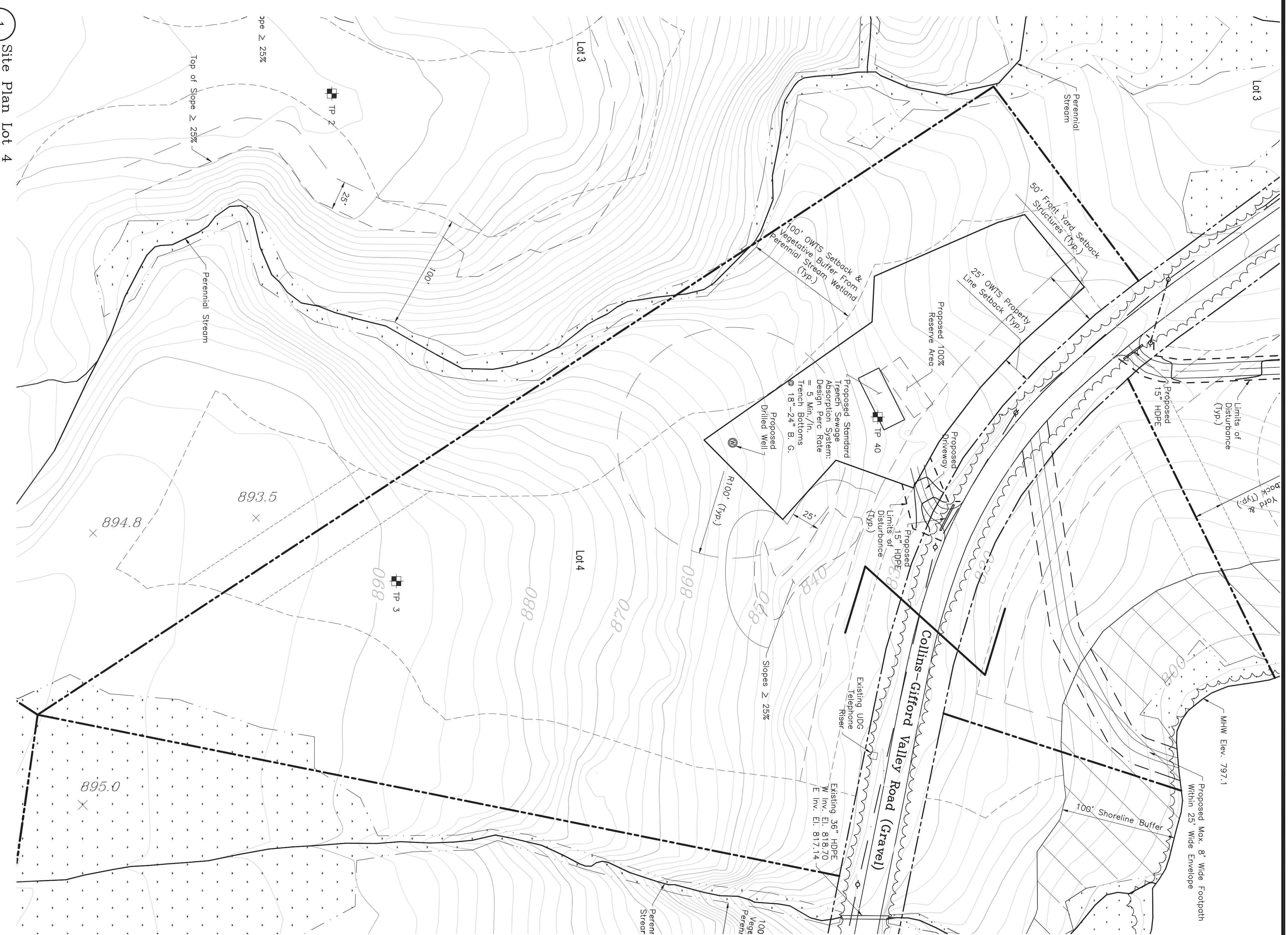
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SHEET NAME:  
APA Subdivision Application  
Site Plans  
Lot 3

PAGE:  
C-103



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	OWTS Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



1 Site Plan Lot 4  
Scale: 1" = 50'

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 Woodward Lake Subdivision  
 Towns of Northampton & Mayfield  
 Fulton County, NY

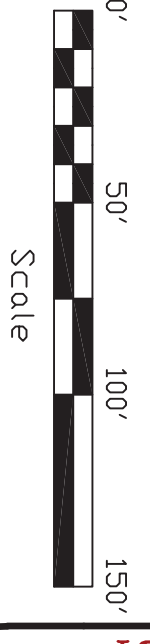
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2	Agency Review Drawing	01/24/2020	
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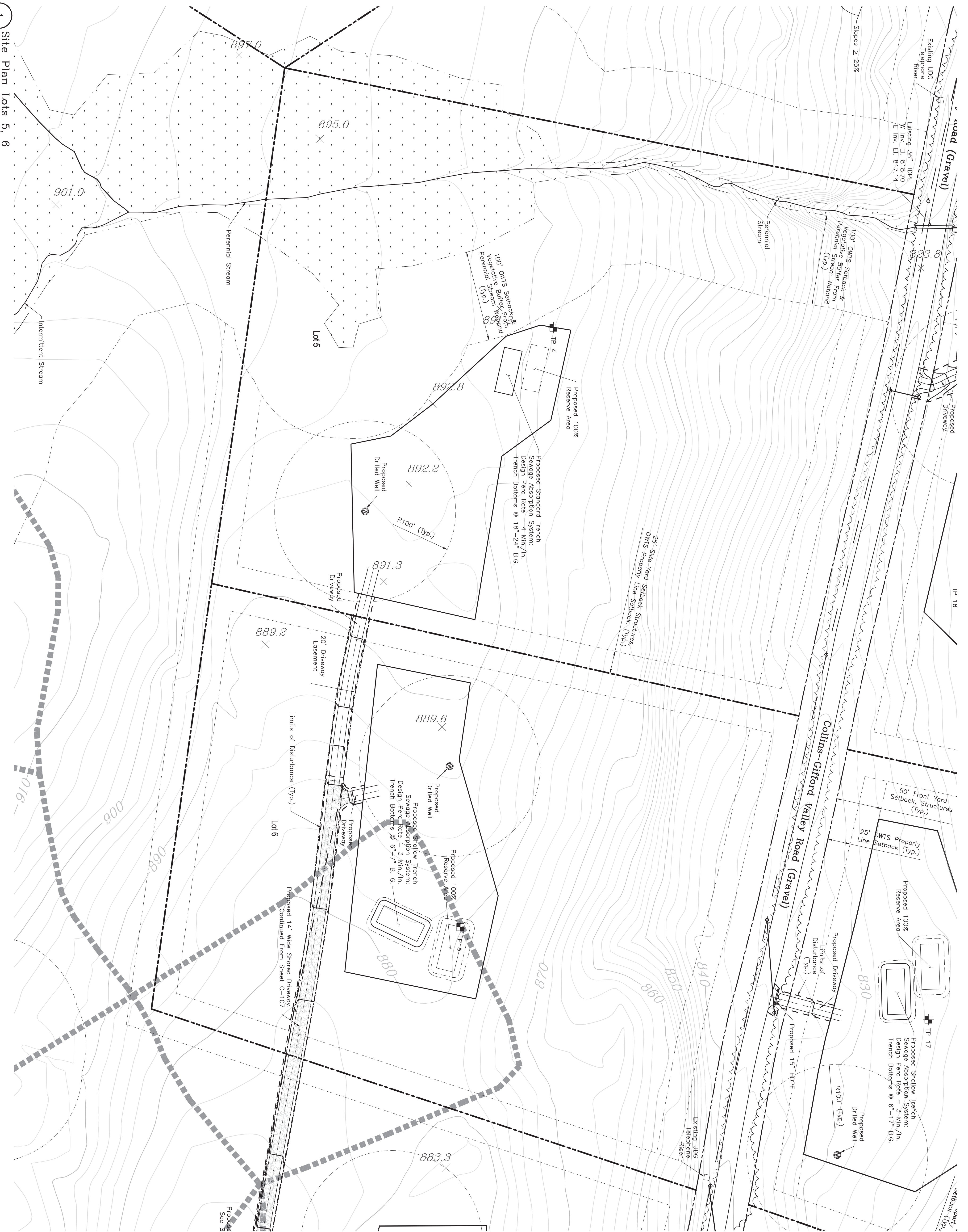
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SHEET NAME:  
**APA Subdivision Application**  
 Site Plans  
 Lots 4

PAGE:  
**C-104**



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 198 Test Pit & No.
	OWTS Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



No.	Description	Rev./Date
1	Construction Drawing	01/24/23
2	Agency Review Drawing	01/24/23
3	Drawing Log	



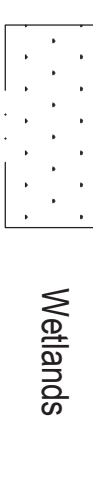






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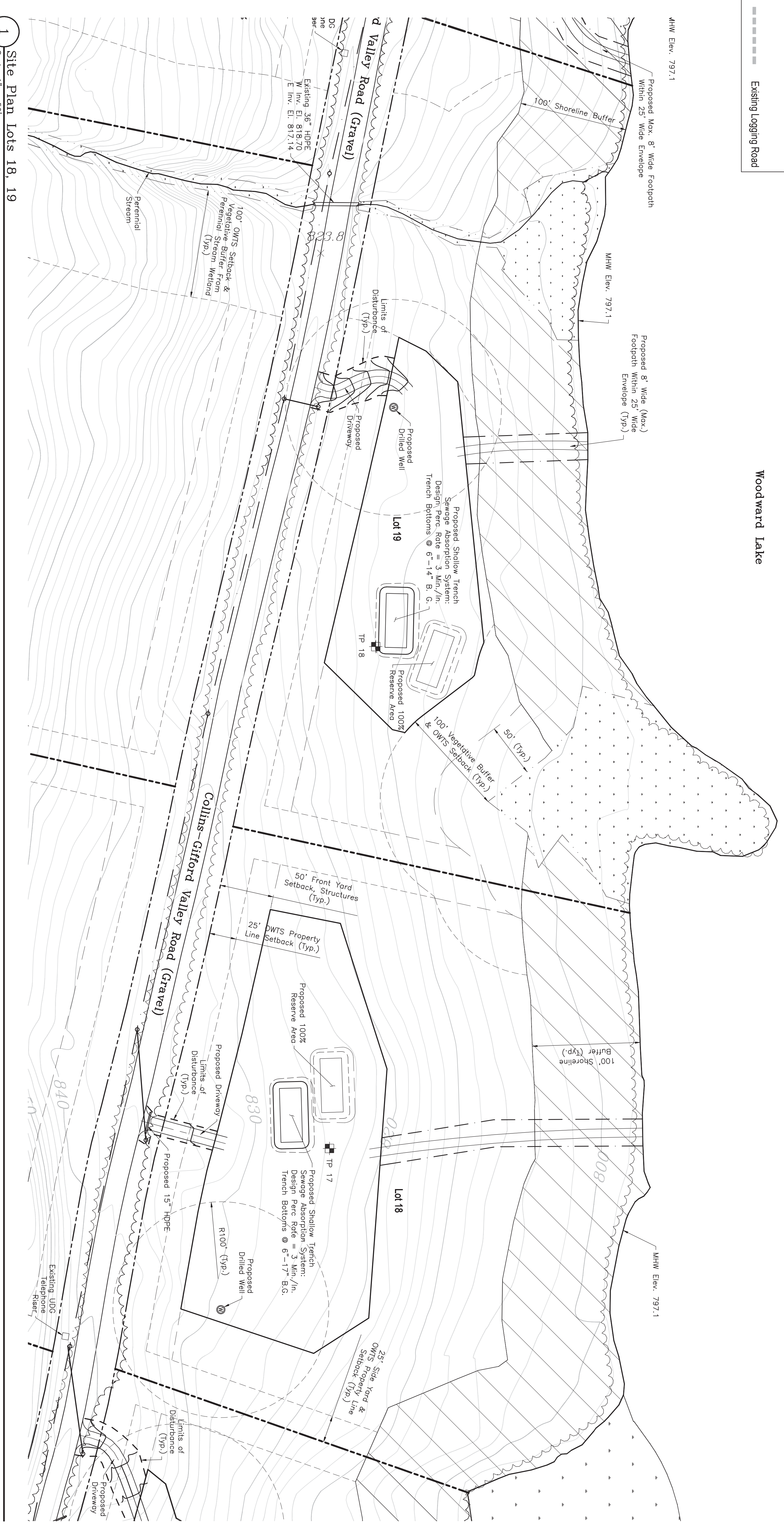
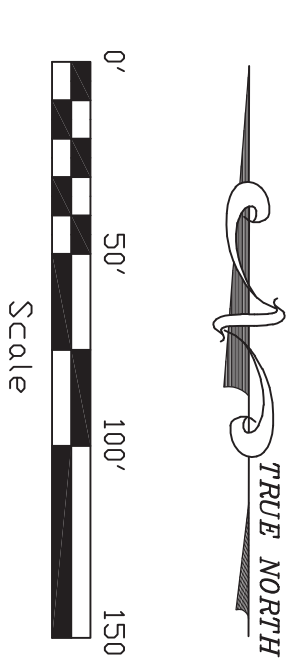
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SHEET NAME:  
APA Subdivision Application  
Site Plans  
Lots 5, 6

**Legend**

-  Property Line
-  Shoreline Buffer
-  Wetlands
-  Building Envelope
-  Lot Line
-  \* TP 19B Test Pit & No.
-  Onsite Wastewater Treatment System
-  Shared Driveway By Developer
-  Existing Logging Road



1 Site Plan Lots 18, 19  
Scale: 1" = 50'

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Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY

No.	Description	W/D/Y/M	Date
1	Construction Drawing	W/D/Y/M	01/24/23
2	Agency Review Drawing	W/D/Y/M	01/24/23
3	Drawing Log	W/D/Y/M	

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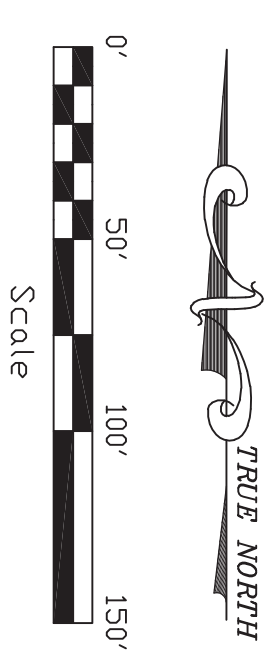
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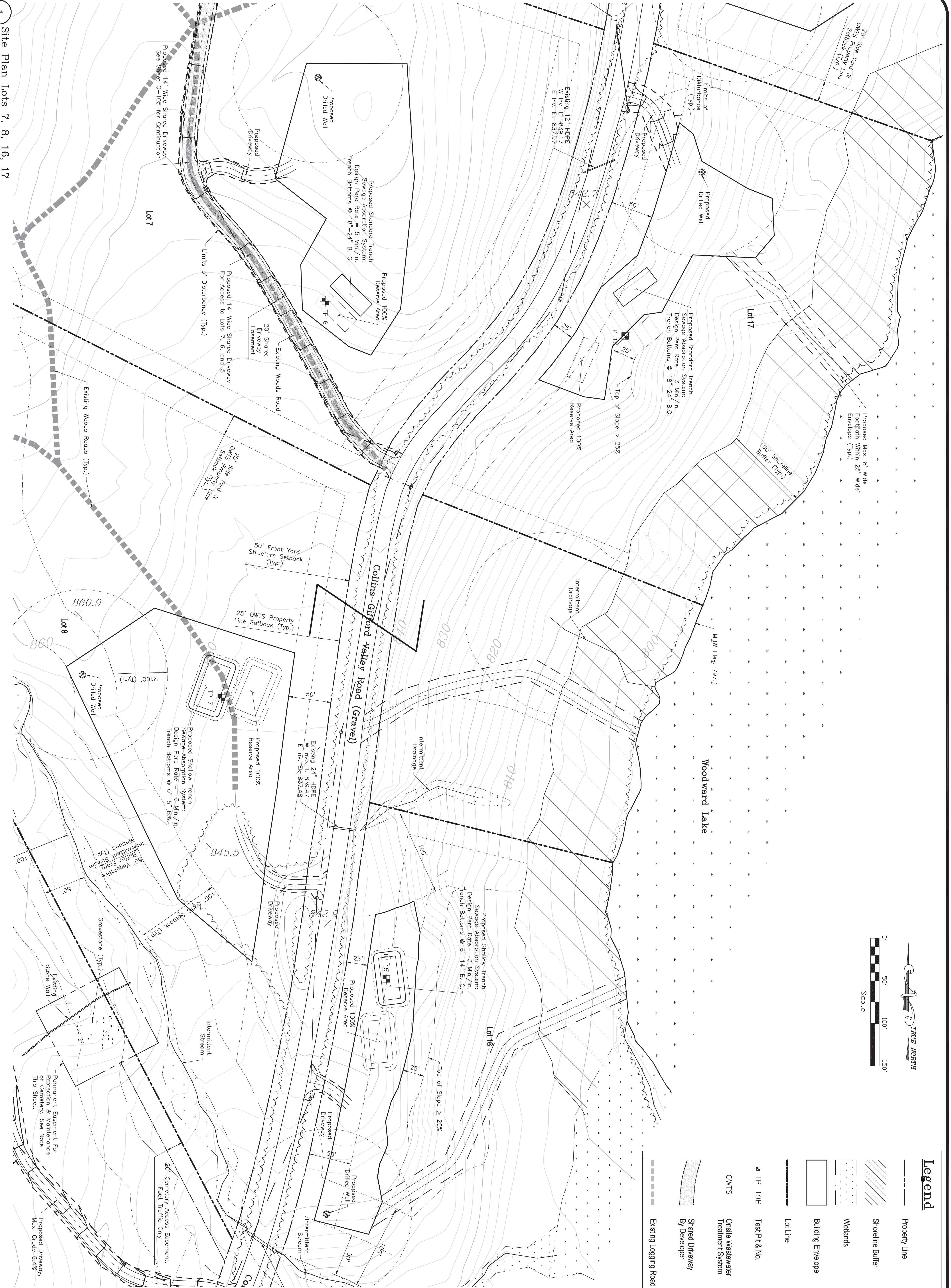
SHEET NAME:  
APA Subdivision Application  
Site Plans  
Lots 18, 19

PAGE:  
**C-106**





Legend	
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	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	Test Pit & No.
	OWTS
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



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Towns of Northampton & Mayfield  
Fulton County, NY

No.	Description	WJ/DF/YM	Date
1	Revision schedule		
	Construction Drawing	WJ/DF/YM	01/24/23
	Agency Review Drawing		
	Drawing Log		

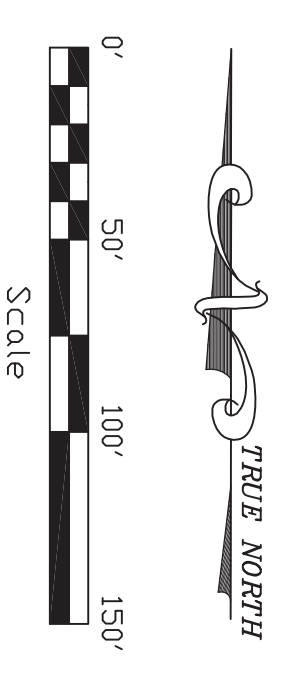
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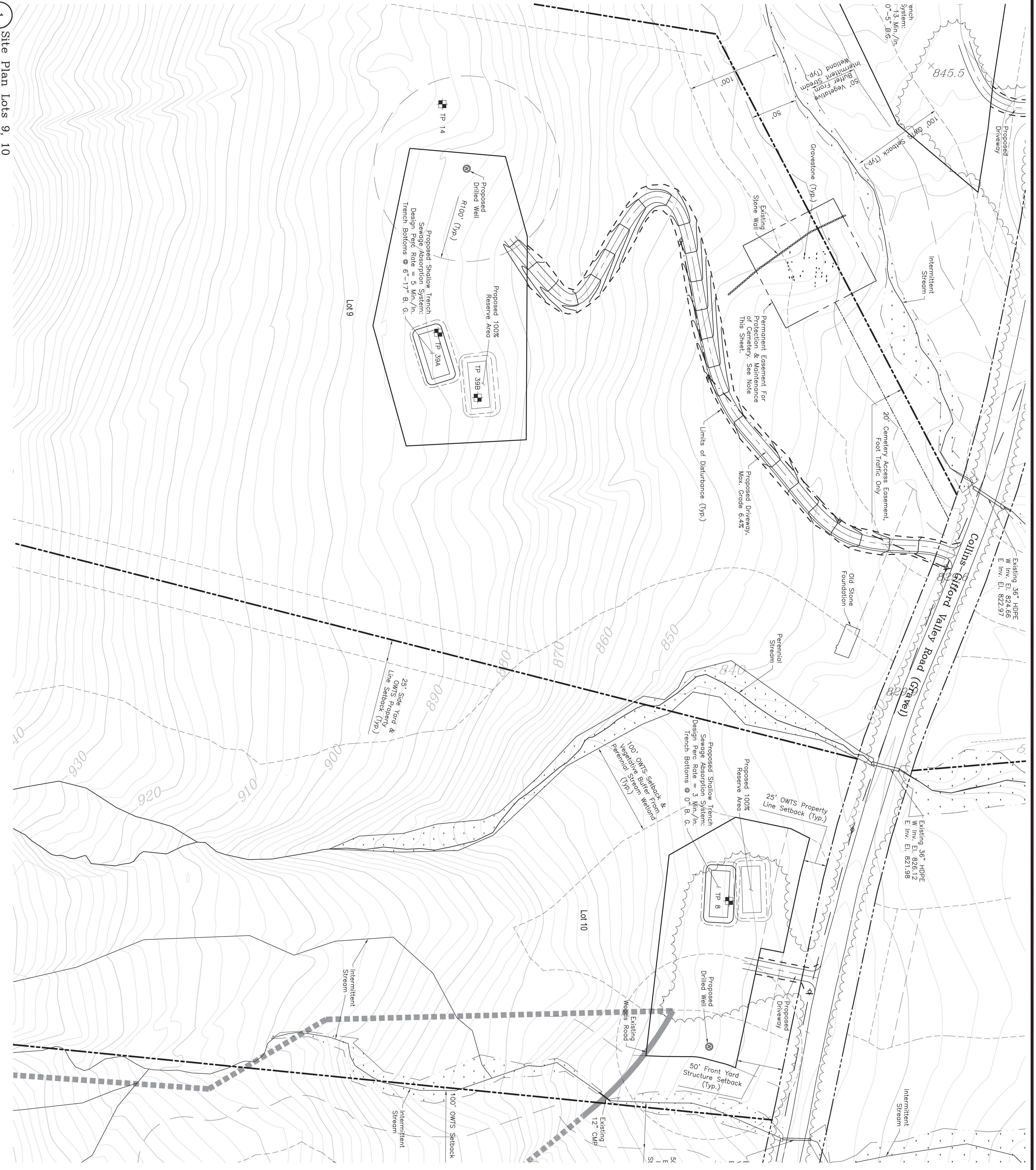
SHEET NAME:  
APA Subdivision Application  
Site Plans  
Lots 7, 8, 16, 17

PAGE:  
**C-107**



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road

**Lot 9 Note:**  
Prior to Commencement of Construction Applicant shall install all Easement Boundary to Mark a Required 25-Foot Buffer Around the Cemetery.



<p>Copyright © Steven F. Smith, 2023 All Rights Reserved</p>	<p>Added Lot 9 Note 11/18/26</p>
<p>Modified Cemetery Easement: No. 1 Description: Revision Schedule</p>	<p>09/18/26 Date</p>
<p>Construction Drawing Agency Review Drawing Drawing Log</p>	<p>10/02/26 01/24/26</p>
<p>DRAWN E.F.</p>	



Scale

**Legend**

- Property Line
- Shoreline Buffer
- Wetlands
- Building Envelope
- Lot Line
- TP 198 Test Pit & No.
- OWTS Onsite Wastewater Treatment System
- Shared Driveway By Developer
- Existing Logging Road

No.	Description	W/D/Y/M	Date
1	Revision Schedule		
	Construction Drawing		
	Agency Review Drawing	10/24/23	
	Drawing Log		

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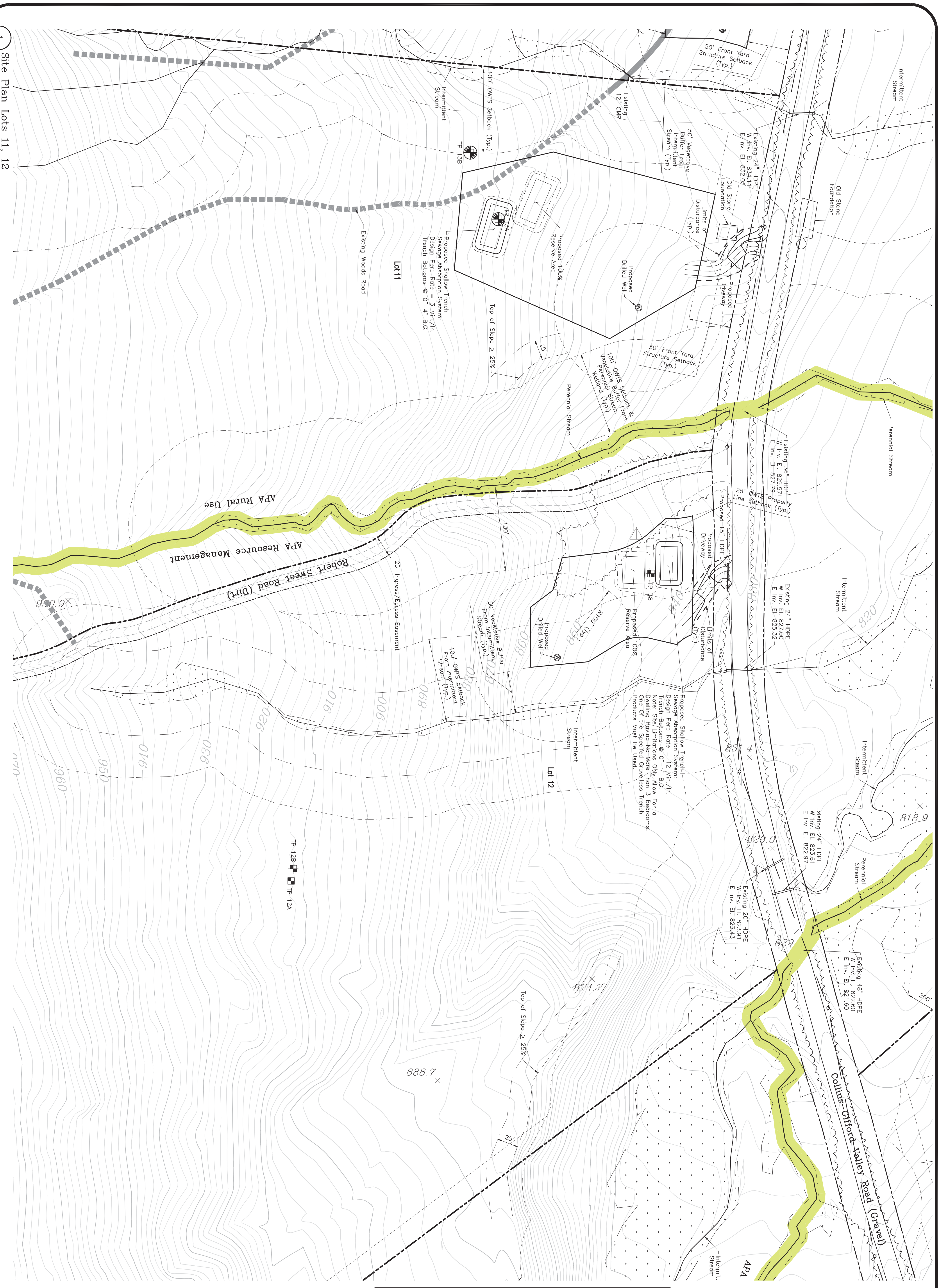
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Site Plans  
Lots 11, 12

PAGE:  
C-109



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Woodward Lake  
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Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road

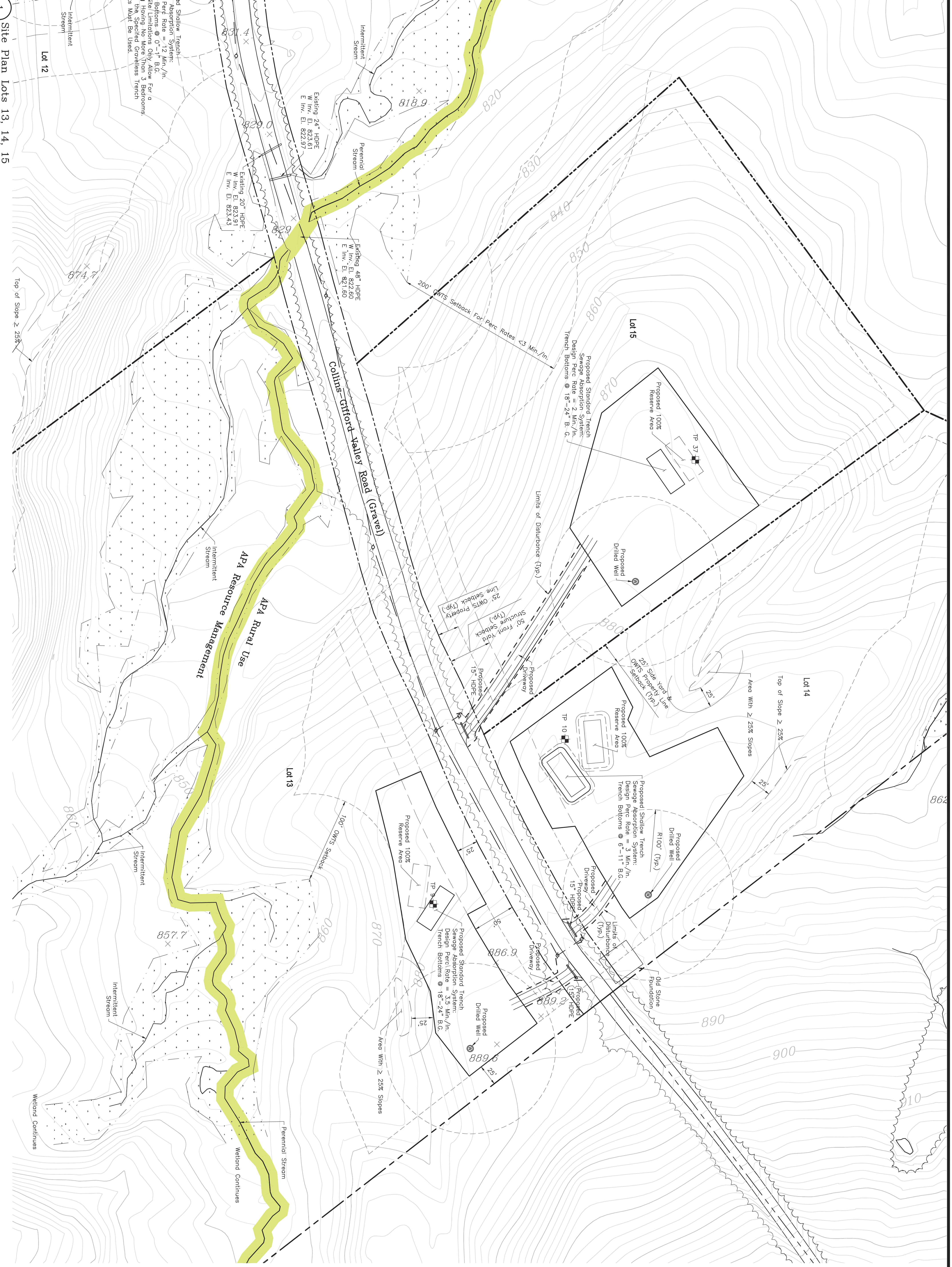
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1	Revision Schedule		
	Construction Drawing	Wk/02/23	
	Agency Review Drawing	01/24/23	
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SHEET NAME  
**APA Subdivision Application**  
Site Plans  
Lots 13, 14, 15

PAGE:  
**C-110**



Proposed Shallow Trench Sewage Absorption System:  
Perf Rate = 12 Min./In.  
Bottoms @ 0'-1" B.C.  
Site Limitations Only Allow For a Having No More Than 3 Bedrooms.  
The Specified Gravelless Trench Must Be Used.

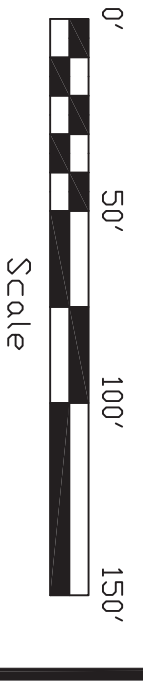
1 Site Plan Lots 13, 14, 15  
Scale: 1" = 50'

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(518) 723-1835

**Woodward Lake Properties, LLC**  
**Woodward Lake Subdivision**  
Towns of Northampton & Mayfield  
Fulton County, NY



Legend	
—	Property Line
- - - -	Shoreline Buffer
▨	Wells
▧	Building Envelope
—	Lot Line
■ TP 19B	Test Pit & No.
■	Onsite Wastewater Treatment System
▨	Shared Driveway By Developer
—	Existing Logging Road

No.	Revisions	Date
1	Revised Lot 23 and 24 Line Building Description	08/24/20
2	Revision Schedule	01/24/20
3	Construction Drawing	01/24/20
4	Agency Review Drawing	01/24/20
5	Drawing Log	

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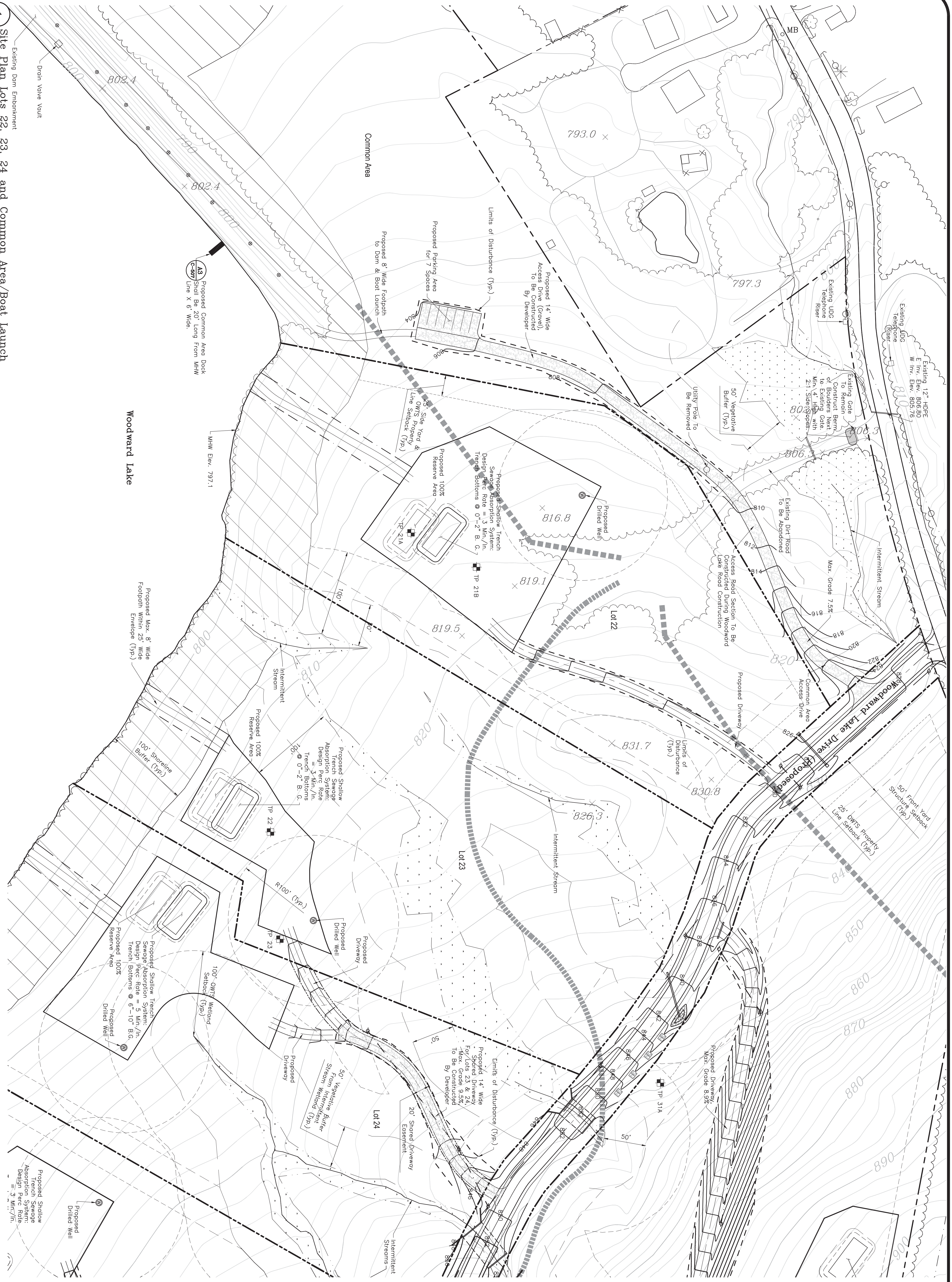
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APA Subdivision Application  
Site Plans Lots 22, 23, 24  
& Common Area/Boat Launch

PAGE:

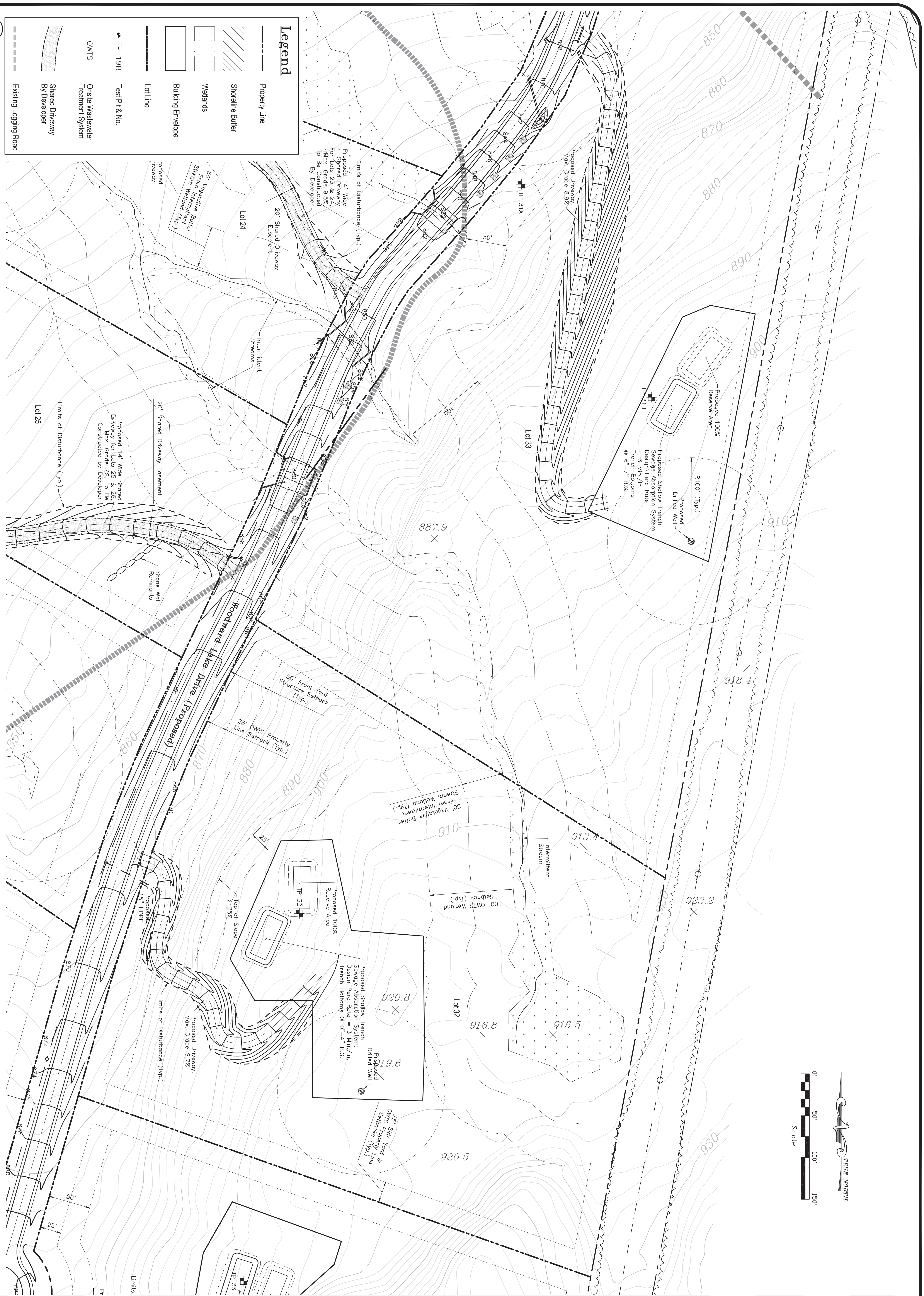
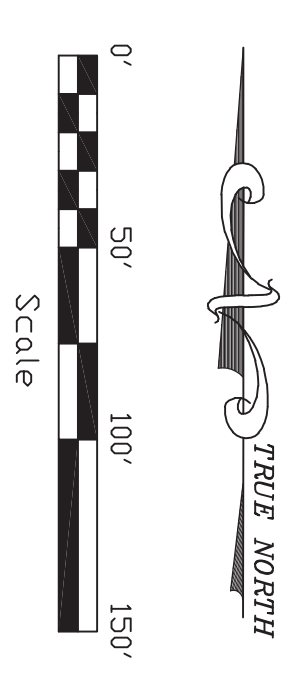
C-111



1  
Scale: 1" = 50'  
Site Plans Lots 22, 23, 24 and Common Area/Boat Launch

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Woodward Lake  
Properties, LLC  
Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY



**Legend**

- Property Line
- Shoreline Buffer
- Wetlands
- Building Envelope
- Lot Line
- \* TP 19B Test Pit & No.
- OWTS Onsite Wastewater Treatment System
- Shared Driveway By Developer
- Existing Logging Road

1 Site Plan Lots 32, 33  
Scale: 1" = 50'

No.	Revision/Change/Description	Date
1	Prepared: Lots 32, 33	08/24/20
2	Construction Drawing	10/02/20
3	Agency Review Drawing	01/24/23
4	Drawing Log	

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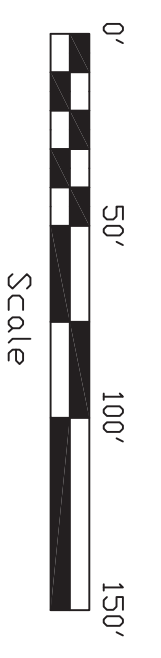
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SHEET NAME:  
APA Subdivision Application  
Site Plans  
Lots 32, 33

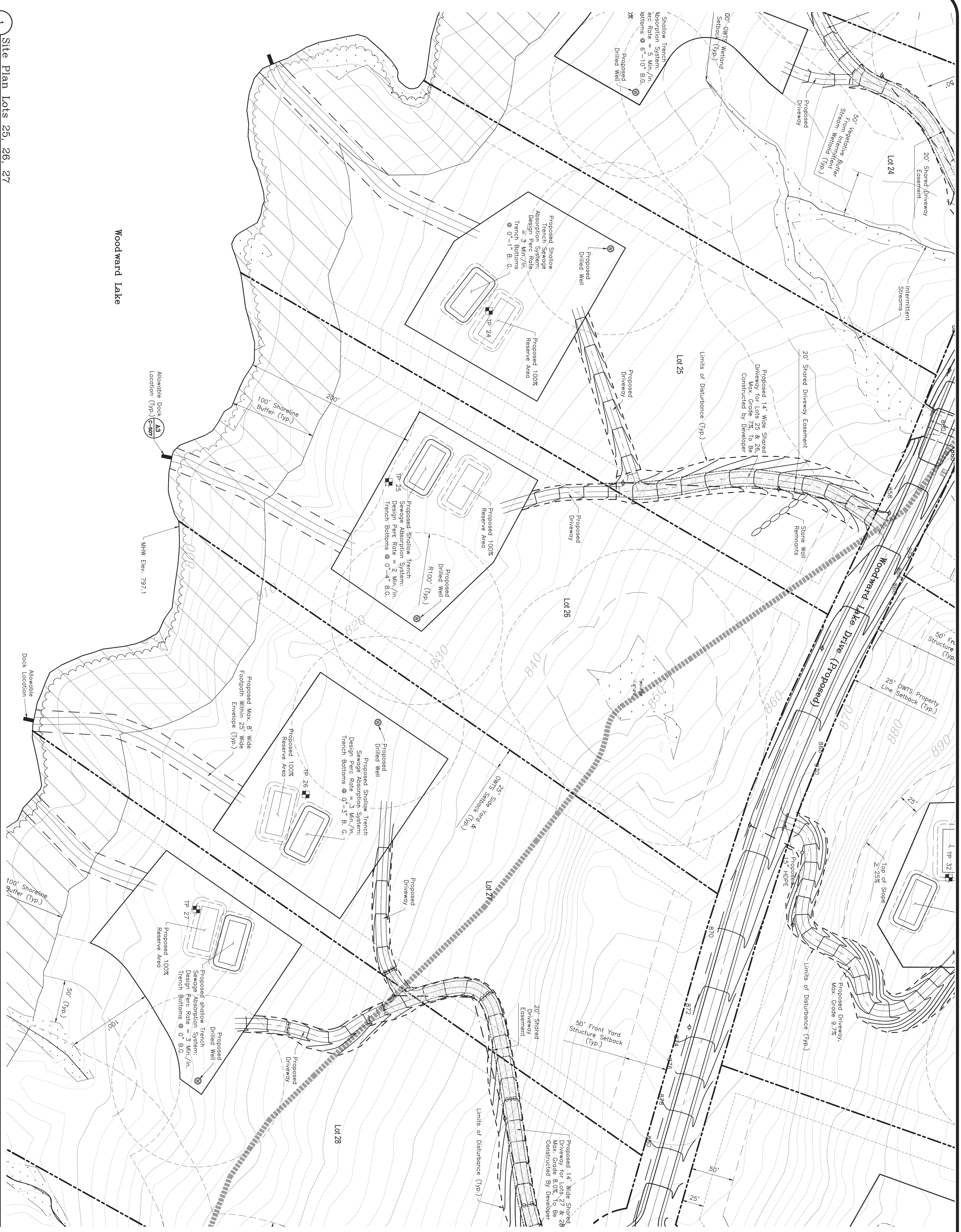
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C-112

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Properties, LLC**  
**Woodward Lake Subdivision**  
Towns of Northampton & Mayfield  
Fulton County, NY



Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 198 Test Pit & No.
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



Woodward Lake

PAGE: **C-113**

**Site Plans**  
Lots 25, 26, 27

**APA Subdivision Application**

SHEET NAME:

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No.	Adjusted Log Line between	Date
1	Revision/Change	04/24/20
2	Construction Drawing	10/02/20
3	Agency Review Drawing	01/24/23

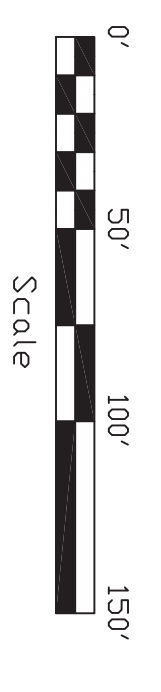
Agency Review Drawing  
Drawing Log

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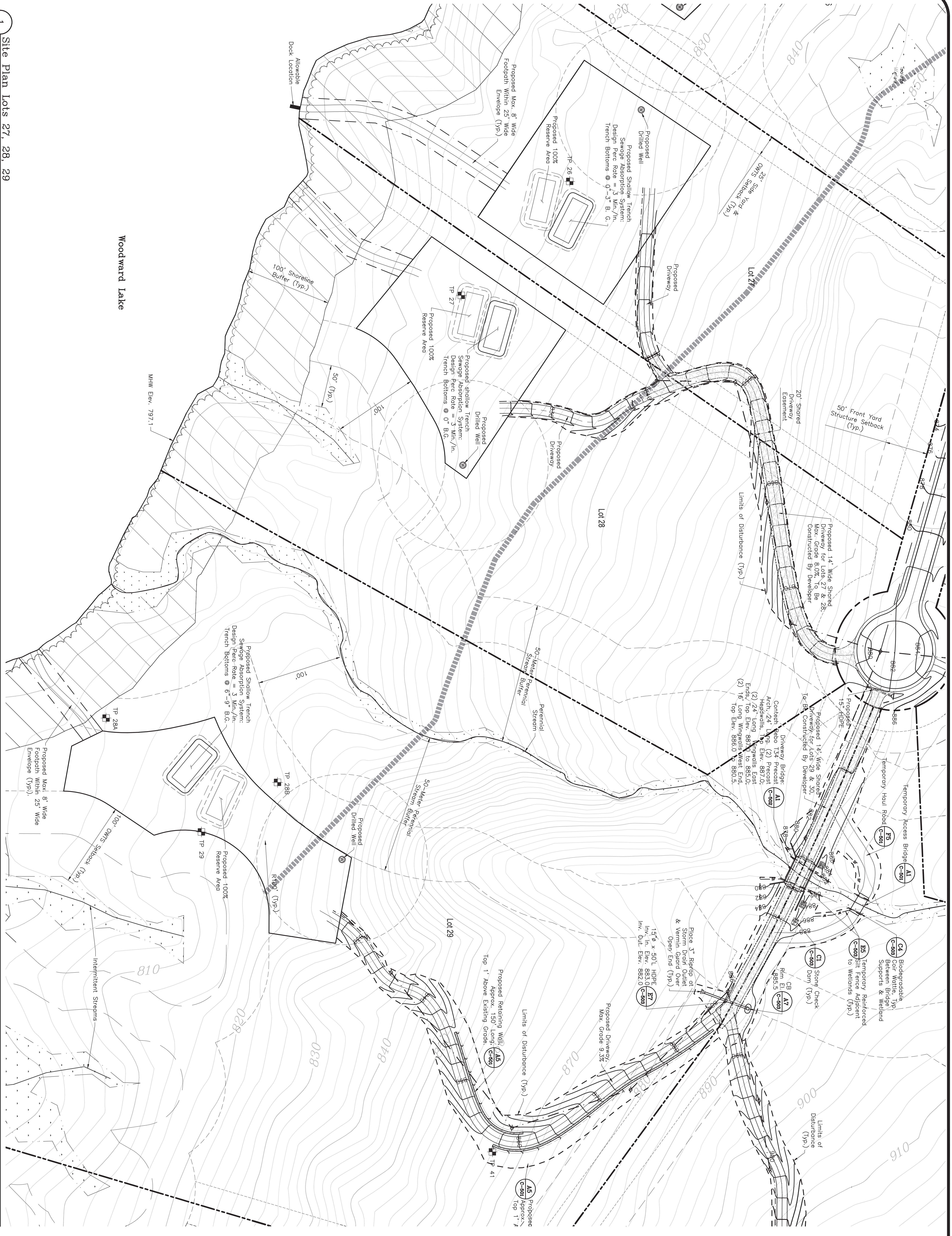
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Properties, LLC**  
**Woodward Lake Subdivision**  
Towns of Northampton & Mayfield  
Fulton County, NY



**Legend**

- Property Line
- Shoreline Buffer
- Wetlands
- Building Envelope
- Lot Line
- # TP 19B Test Pit & No.
- OWTS Onsite Wastewater Treatment System
- Shared Driveway By Developer
- Existing Logging Road



Woodward Lake

MHW Elev. 797.1

Revision Log

No.	Description	Date
1	Added Shared Driveway for Lots 27 and 29	08/28/20
2	Modified Lot 29 Building Envelope	08/25/20
3	Modified Lot Lines for Lots 28 and 29	08/25/20

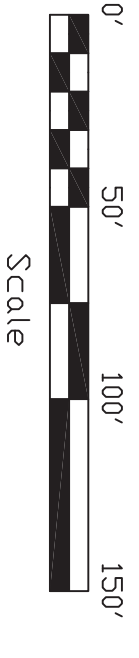
Construction Drawing  
Agency Review Drawing  
Drawing Log

DATE: 08/25/20  
DATE: 01/24/23

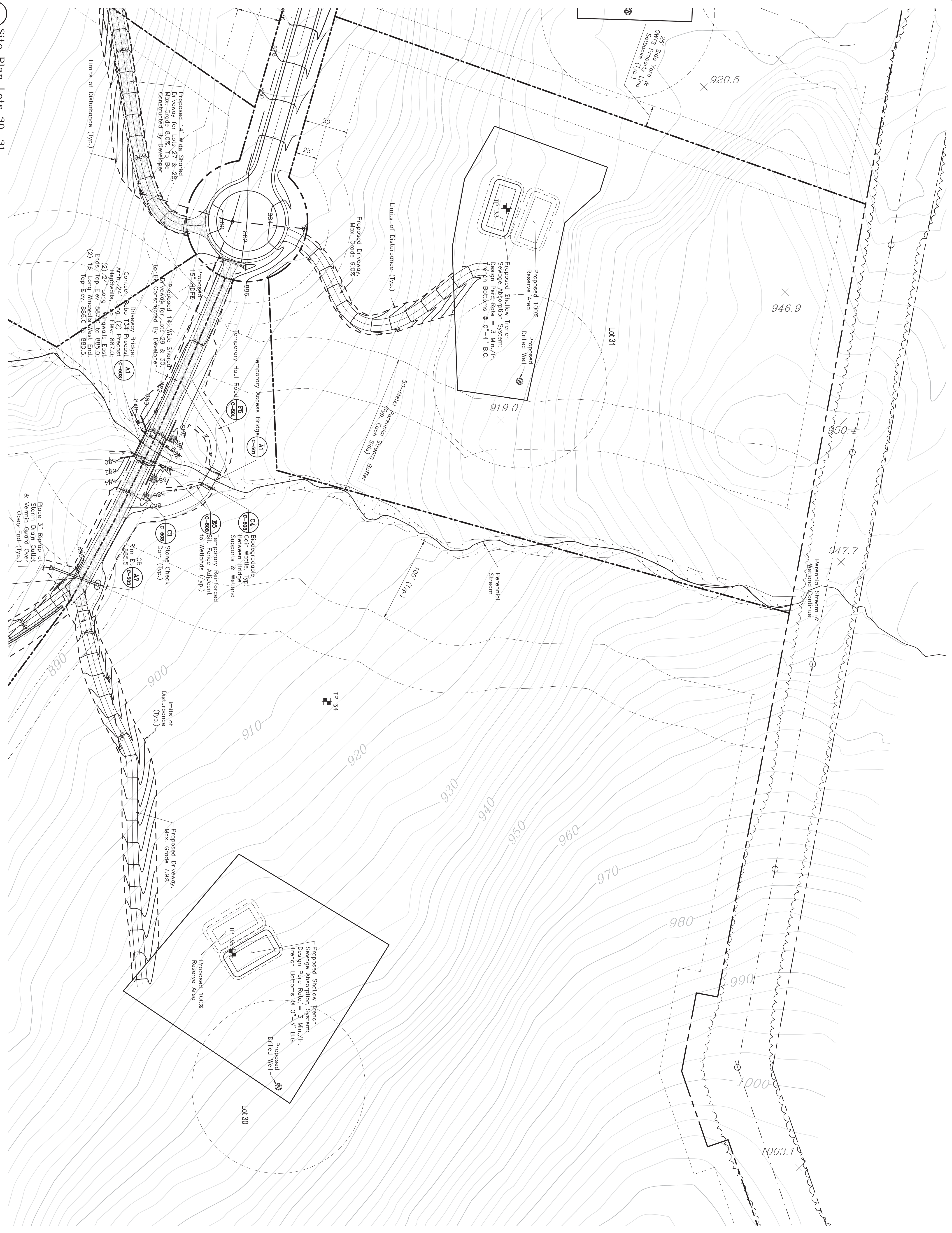
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Legend	
	Property Line
	Shoreline Buffer
	Wetlands
	Building Envelope
	Lot Line
	TP 19B Test Pit & No.
	Onsite Wastewater Treatment System
	Shared Driveway By Developer
	Existing Logging Road



Added Street Driveway for Description	08/28/20	Date
Revision Number		
Construction Drawing	10/02/19	Date
Agency Review Drawing	01/24/20	Date
Drawing Log		
DRAWN BY:		

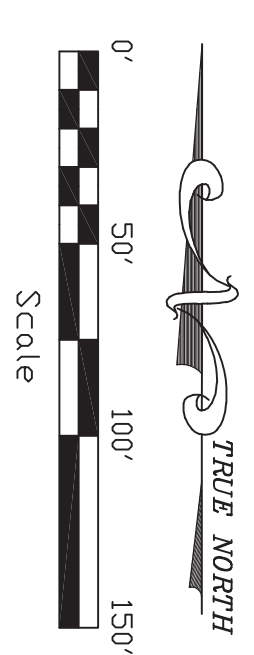
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SHEET NAME:  
APA Subdivision Application

Site Plans  
Lots 30, 31

PAGE:  
C-115



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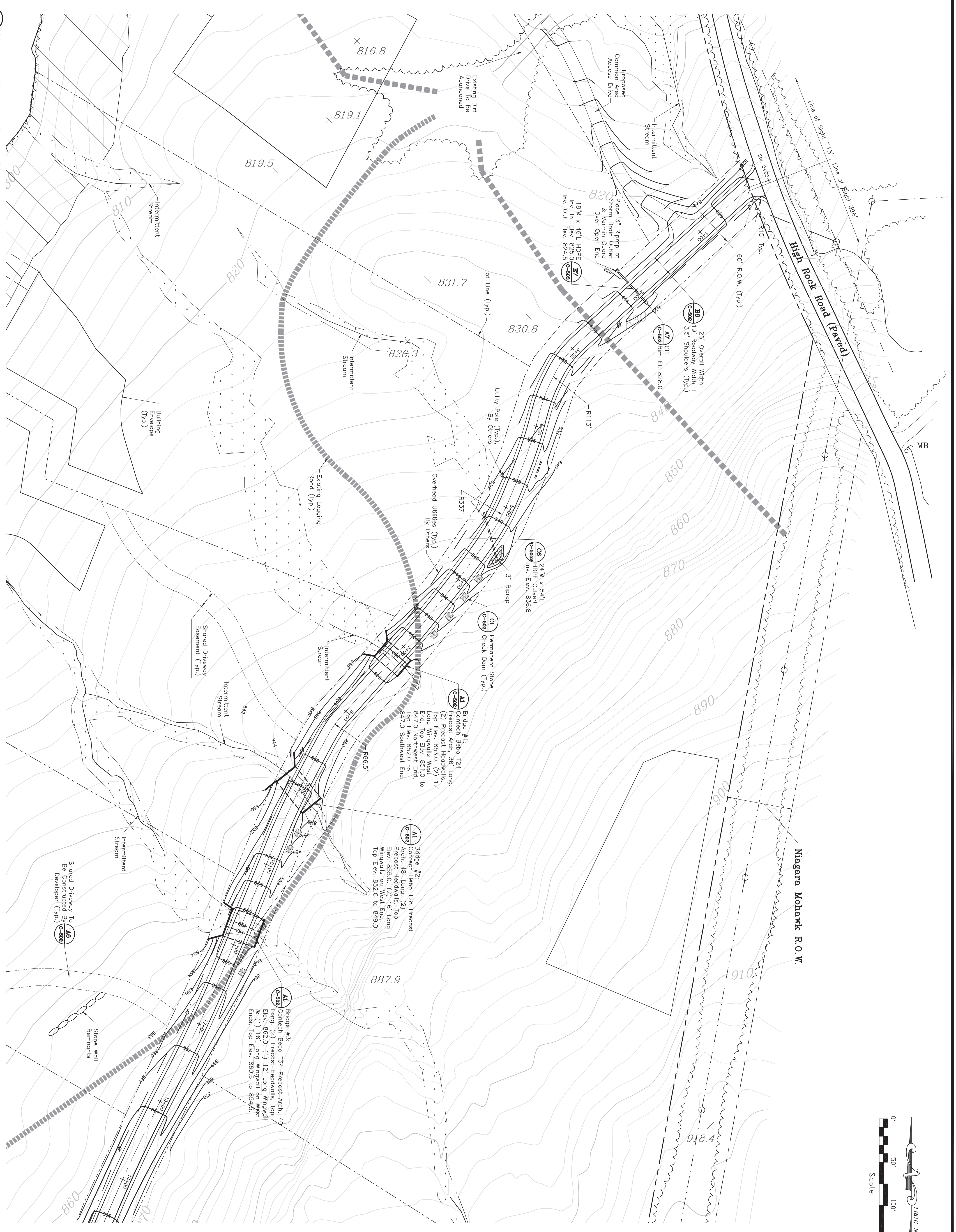
No.	Description	W/S/05/YY	DATE
1	Revision Schedule		
	Construction Drawing	W/S/05/YY	
	Agency Review Drawing	01/24/23	
	Drawing Log		

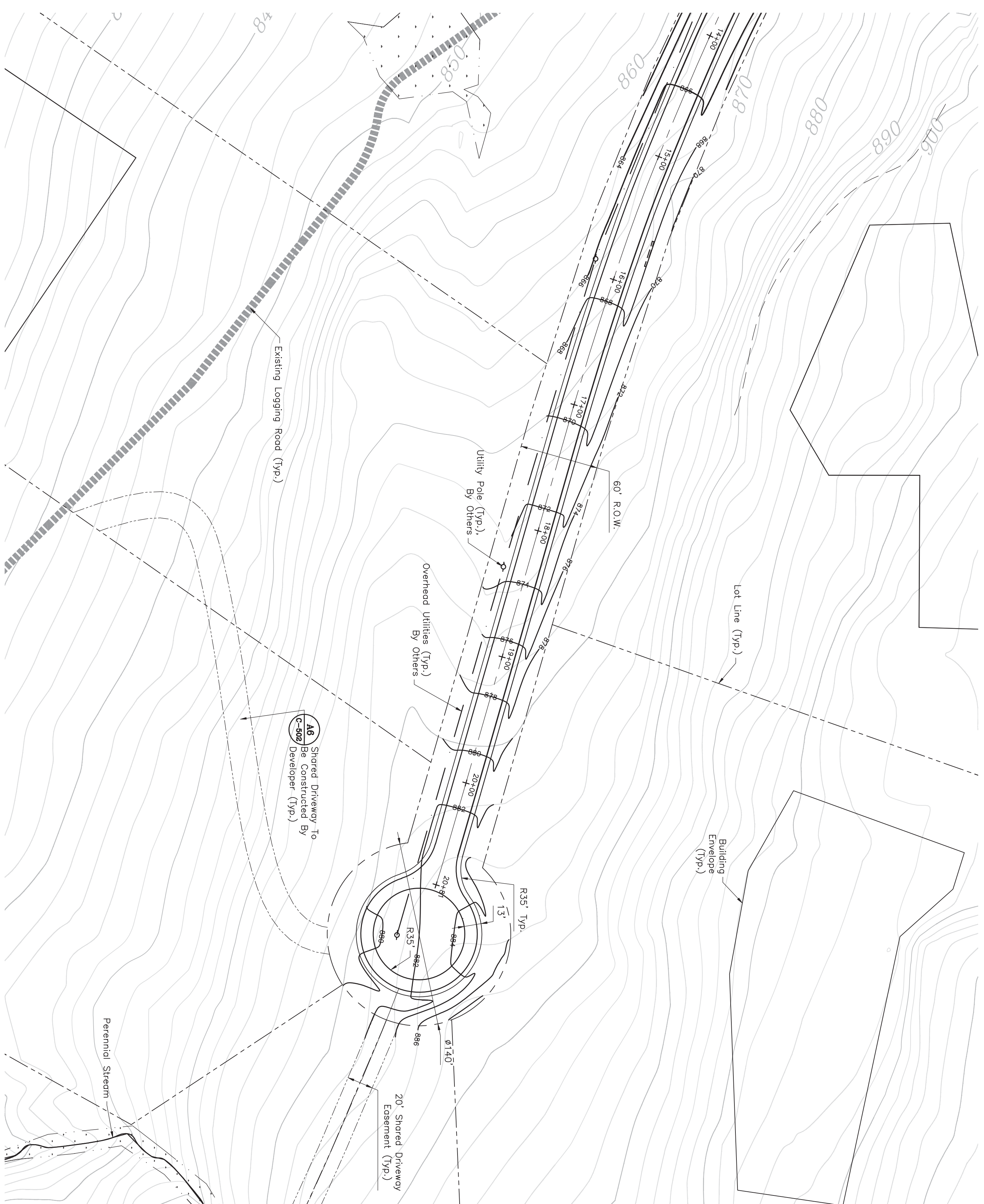
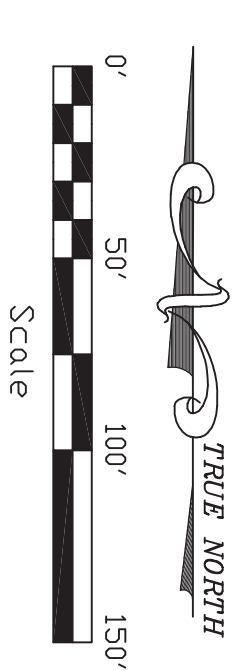
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APA Subdivision Application  
Woodward Lake Drive  
Sta. 0+00 to Sta. 14+00

PAGE:  
C-201





1 Woodward Lake Drive Plan  
Scale: 1" = 50'

No.	Revision	Date
1	Shown Projected Road and Construction Drawing	08/18/20
2	Agency Review Drawing	10/02/20
3	Drawing Log	01/24/23

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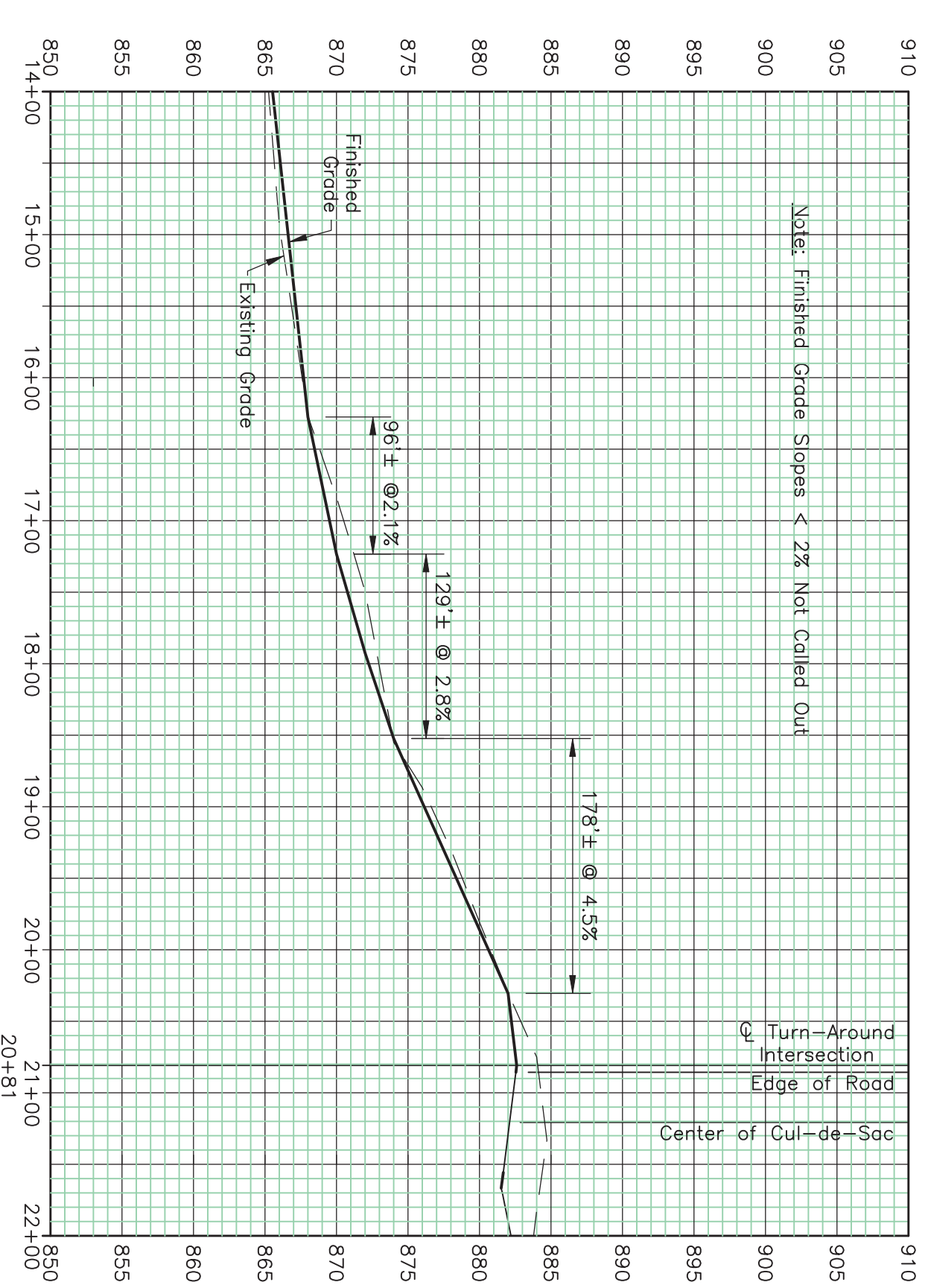
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APA Subdivision Application

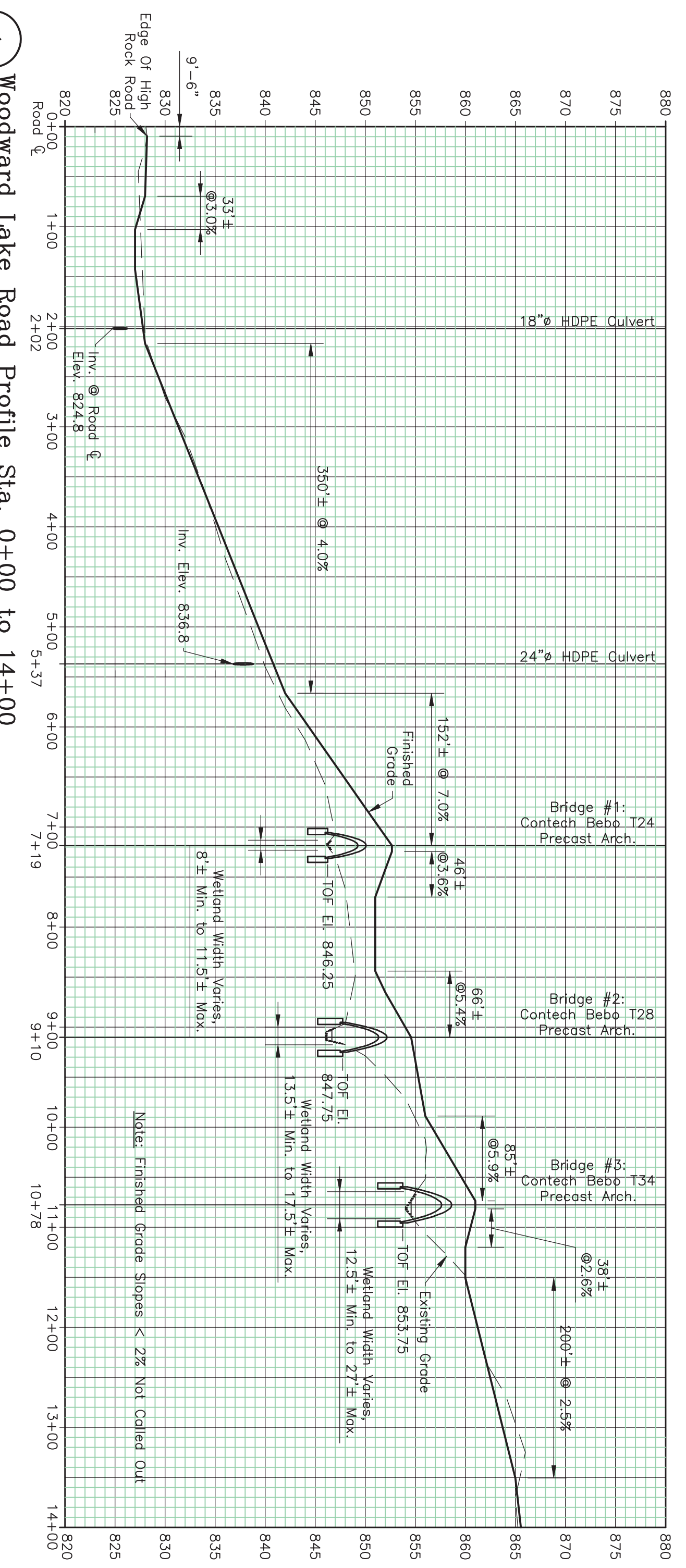
Woodward Lake Drive  
Sta. 14+00 to Turnaround

PAGE:

C-202



**2 Woodward Lake Road Profile Sta. 14+00 to Turn-Around**  
 Scale: 1"=100' Horiz., 1"=10' Vert.



**1 Woodward Lake Road Profile Sta. 0+00 to 14+00**  
 Scale: 1"=100' Horiz., 1"=10' Vert.

Revision Number	Description	Date
1	Revised Profile for Woodward Road	08-18-20
2	Construction Drawing	04/02/23
3	Agency Review Drawing	01/24/23
4	Drawing Log	

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SHEET NAME:  
**Woodward Lake Drive  
 Centerline Profile**

Phase 1

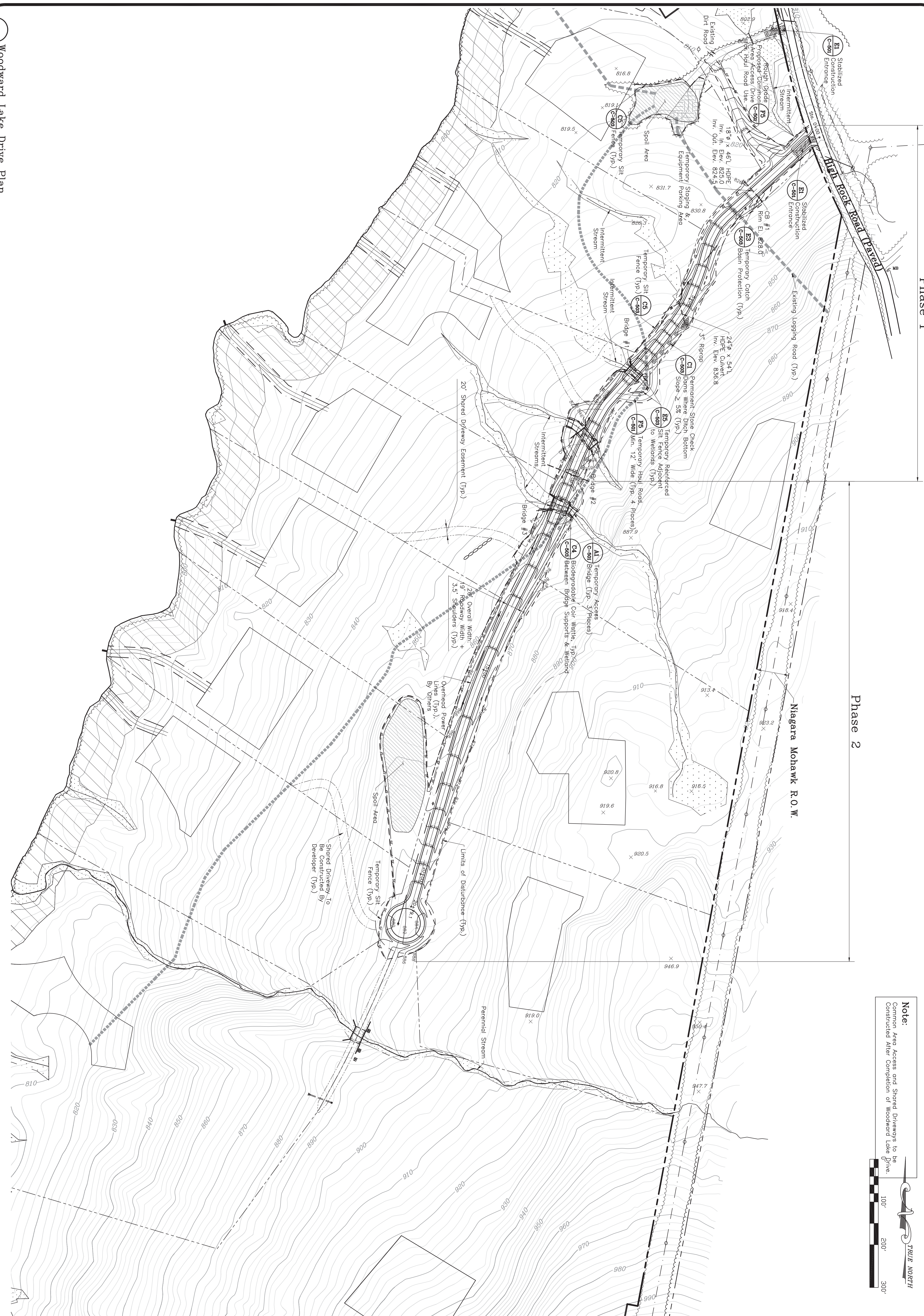
Phase 2

**Note:**  
Common Area Access and Stored Driveways to be Constructed After Completion of Woodward Lake Drive.

TRUE NORTH

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Towns of Northampton & Mayfield  
Fulton County, NY



Revised Easement Plan for Woodward Lake Drive	08/20/20
<b>Revision Schedule</b>	<b>Date</b>
Construction Drawing	10/10/17
Agency Review Drawing	01/24/20
Drawing Log	
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**SHEET NAME:**  
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Woodward Lake Drive  
Erosion & Sediment Control Plan

PAGE:  
**C-301**

### Site Plan Development Notes:

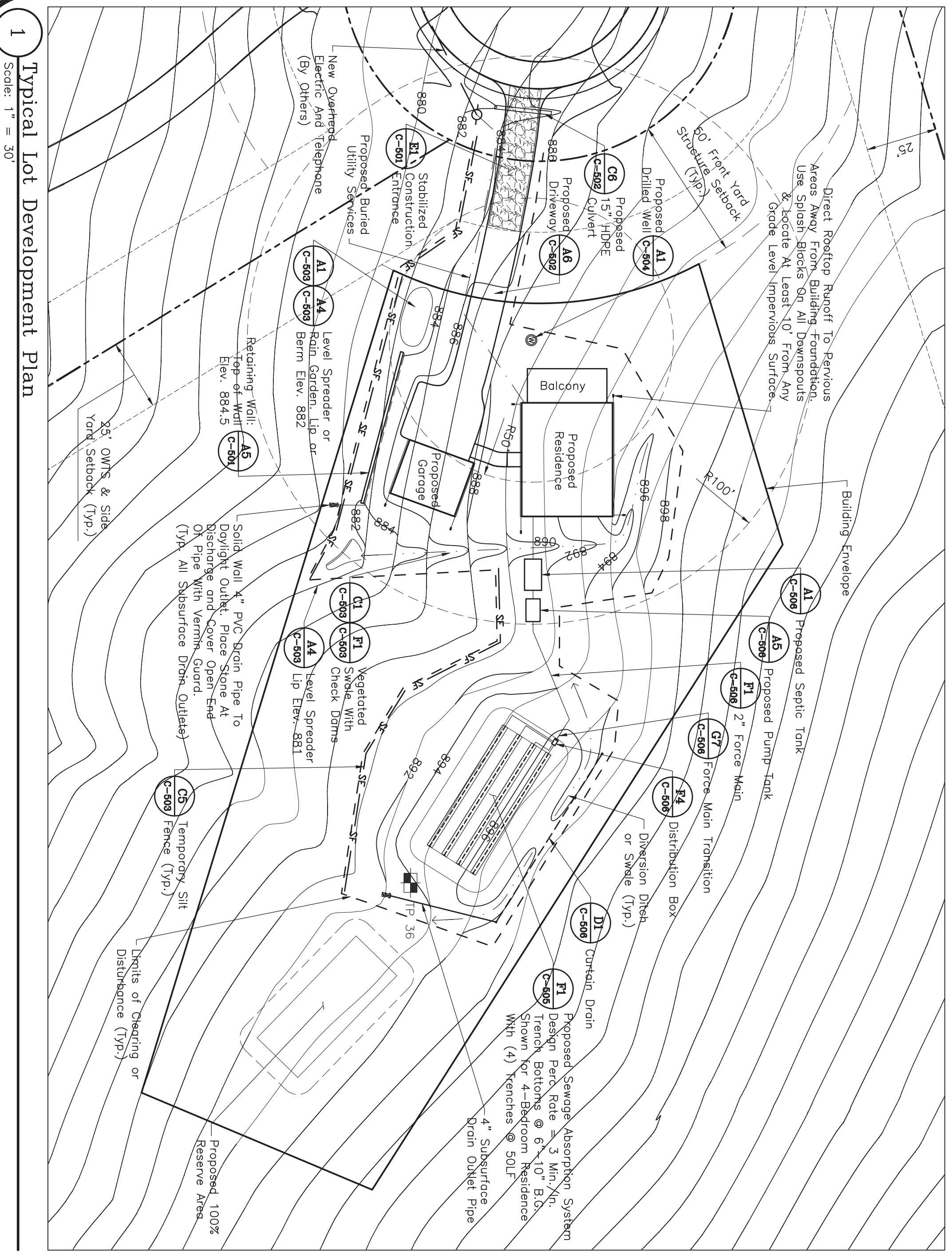
1. Typical Plans are Provided for Illustrative Purposes Only, Including the Locations, Orientations, and Footprints of Structures, Driveway Locations and Site Grading are Also Illustrative. Separation Criteria are Provided for Guidance Concerning Site Development.
2. On Any Lot, All Residential and Accessory Structures, Onsite Wastewater Systems, and Wells Shall be Located Within the Designated Building Envelope.
3. Vegetative Clearing Shall be Limited to Areas Required for Construction of Structures, Driveway, Septic System, Stormwater Management Practices, and Landscaping. With Exception of Access Driveway, Clearing Shall be Wholly Contained Within Building Envelopes. On Shoreline Lots, Clearing for Foot Paths Up To 8' Wide is Permitted and Limited to Foot Path Envelopes as Shown on the Site Plans.
4. Roof Leaders, Foundation Drains, Celler Drains, Backwash Drains, Etc. May Not be Connected to the Sewage System and Shall be Installed in Such a Manner That Drainage is Directed Away From the Sewage Absorption Area. No Drain Shall be Installed to Discharge Directly into Any Stream Or Ditch, Nor onto An Impervious Surface. Roof Leaders and Drains Shall Discharge onto Vegetated Ground Only.

### Separation Distances

The Following Table Lists the Minimum Required Horizontal Separation Distances from Wastewater System Components. New Systems Shall be Staked Out, and Distances Shall be Verified for Compliance, Prior to Construction.

SYSTEM COMPONENT	To Well	To Water Service Line	To Dwelling	To Property Line	To Wetland, Lake, or Stream	To Drainage or Ditch	To Top of Sleep Slope (>25%)
House Sewer (Raw Sewage Line)	50'	10'	3'	25'	25'	---	---
Septic Tank	50'	10'	10'	25'	50'	10'	25'
Effluent Line	50'	10'	10'	25'	50'	10'	25'
Distribution Box	100'	10'	20'	25'	100'*	25'	25'
Absorption Field (See Notes Below)	100'	10'	20'	25'	100'*	25'	25'

**Notes:**  
 Measured From Nearest Trench Edge or End, Except for Systems Requiring the Placement of Fill Material Where the Trench Bottoms are Higher Than 6" Below Existing Ground Surface, in Which Case Separation Distances are Measured from the Top of the Slope of the Fill.  
 Separation Distances Shall Also be Measured from the Designated Reserve Area.  
 \* 200' if Soil Percolation Rate is Less Than 3 Minutes Per Inch.

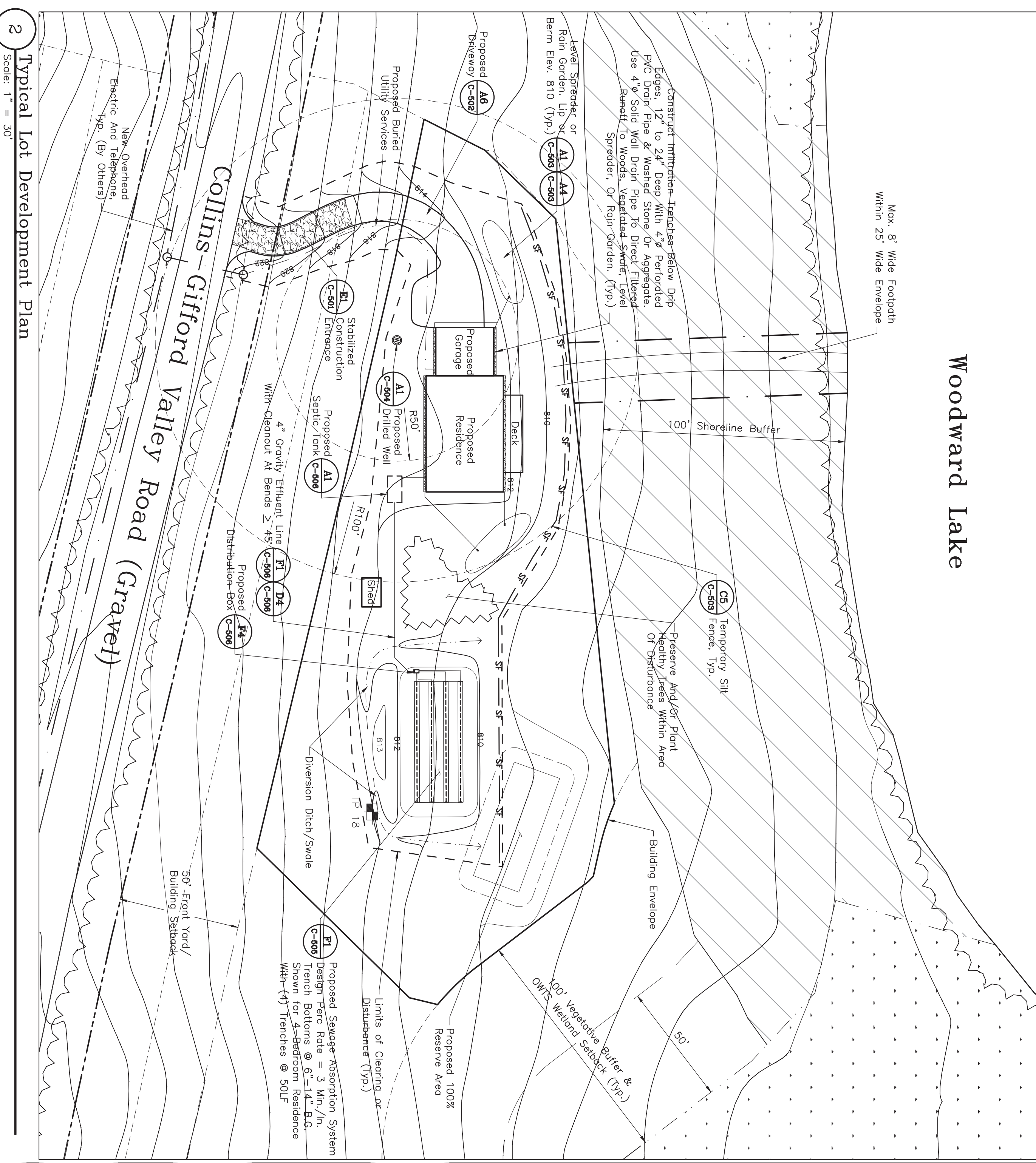


1 Typical Lot Development Plan  
 Scale: 1" = 30'

- ### Erosion And Sediment Control
1. All Work Shall Comply with Applicable Provisions of NYS DEC "Standards and Specifications for Erosion and Sediment Control".
  2. Temporary Silt Fence Shall be Placed Immediately Downgradient of Any Disturbed Area Intended to Remain Disturbed Longer Than One Working Day. Silt Fences Shall be Installed Along Contours to Intercept Runoff. Straw Bale Dikes May be Used in Lieu of Silt Fence.
  3. Temporary Stone Check Dams Shall be Installed in Areas of Concentrated Flow Which are in the Path of Surface Runoff from Disturbed Work Areas.
  4. Excavated Material Shall be Placed on Upslope Side of Excavation.
  5. All Storm Drain Apertures, Ditches, Etc. Shall Remain Functional During Construction. Excavated Material May Not be Placed in Drainage Ditches, Ditches, Rippops, and Storm Drain Apertures Shall be Restored to Original Condition Immediately Following Construction.
  6. Stabilize Disturbed Areas Intended to be Nonimpervious with Permanent Seeding. Use Mulches or Geotextiles When Seeding, or Leave Temporary Controls in Place Until Dense and Vigorous Cover (80%) is Established.

### Stormwater Management

Lot Owner is Responsible for Ensuring Installation and Maintenance of Erosion & Sediment Controls During Construction on Their Lot, as Well as Installation and Long Term Maintenance of Appropriate Stormwater Management Practices as Described in the Stormwater Pollution Prevention Plan for the Subdivision. The Stormwater Management Association of Planned Construction Activities Schedule Actual Start and Completion Dates, and Any Suspension of Activities. Owner is Referred to the SWPPP for Instructions.



2 Typical Lot Development Plan  
 Scale: 1" = 30'

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 Towns of Northampton & Mayfield  
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Revised Stormwater Management Notes 06/17/2022  
 No. Description Date  
 Construction Drawing 04/02/22  
 Agency Review Drawing 01/24/22  
 Drawing Log  
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**SHEET NAME**  
 Typical Lot Development Plans;  
 Site Development, E83C,  
 and Stormwater Management Notes;  
 Separation Distances

PAGE:  
**C-401**

Soil Profiles

(SHOW refers to Seasonal High Groundwater)

Table of soil profiles with columns for Test Pit #, Date, Soil Description, and Slope. Includes profiles 1A through 28.

Table of soil profiles with columns for Test Pit #, Date, Soil Description, and Slope. Includes profiles 19A through 28.

Table of soil profiles with columns for Test Pit #, Date, Soil Description, and Slope. Includes profiles 29 through 41.

Table of soil profiles with columns for Test Pit #, Date, Soil Description, and Slope. Includes profiles 42 through 56.

Perc Test Results & Soils Summary

Table with 7 columns: Lot No., Test Pit No., Test Pit Depth, Test Pit S/GW, Max. of Existing, Design Restriction, Absorption System, and various test metrics.

Absorption System Design Criteria

Table with 7 columns: Lot No., Design Perc Rate, Trench Bottom Below Grade, Lot No., Design Perc Rate, Trench Bottom Below Grade, and various design metrics.

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Woodward Lake Subdivision, Towns of Northampton & Mayfield, Fulton County, NY

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AGENCY REVIEW DRAWING, DRAWING LOG

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Soil Profiles, Perc Test Results, Absorption System Design Criteria, SHEET NAME, C-402

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- Erosion & Sediment Control Plan Schedules**
- Developer Shall Construct Woodward Lake Road, Common Area Access Road and Should Coordinate Construction Schedules with the State and Consecutive Phases. Common Area Access Drive and Parking Area May Be Constructed After Completion of Phase 1. Shovel Driveways Off Woodward Lake Road Shall Be Constructed After Full Completion of Woodward Lake Road. Shovel Driveways Off Collins-Gifford Valley Road Shall Be Constructed After Completion of Woodward Lake Road. No Soil Disturbing Activities Shall Take Place When Soils are Frozen or Saturated.

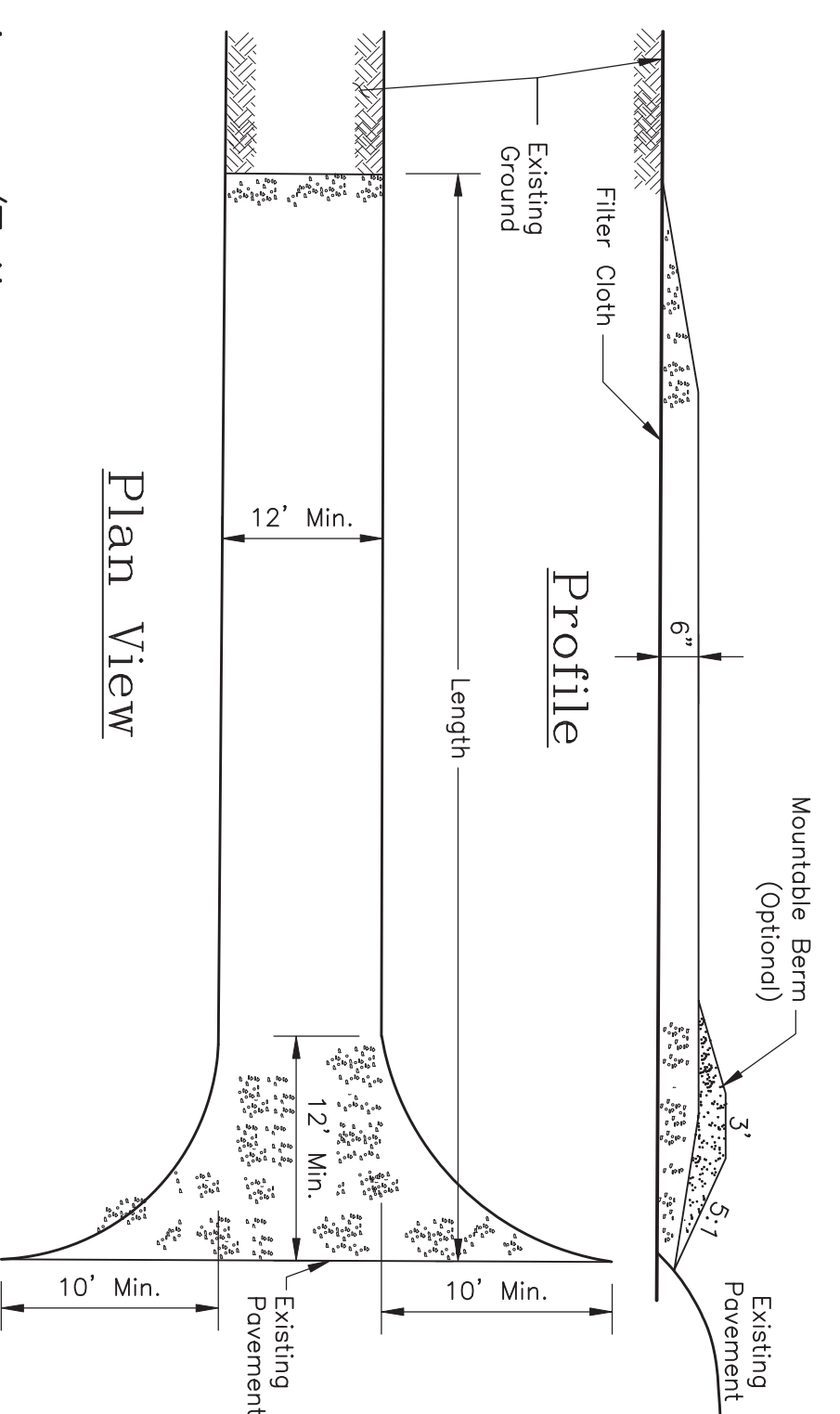
- General Sequence of Road Construction:**
- Construction Vehicles Are To Enter/Exit The Site Utilizing Only The Designated Staging/Parking Areas.
  - Stabilize Any Non-Proposed Areas Made Bare For Construction Routes and Equipment Parking by Topping With Gravel.
  - Install Temporary Sediment and Erosion Control Measures: Install Silt Fences Above Areas To Remain Undisturbed, Reinforced Silt Fences Shall Be Installed Adjacent to Wetland Areas to be Protected.
  - Stabilize All Disturbed Areas.
  - Inspection By A Qualified Individual Certifying That All Sediment and Erosion Controls Are In Place, Must Be Conducted And Recorded Prior to Start Of Road Construction Work.
  - Perform Site Work And Grading, Including Ditches/Swales, All Work Shall Be Smoothly Blended To Existing Grades. Install Storm Drains, Catch Basins, Permanent Stormwater Management Practices, and Construct Bridge Structures.
  - Progressively Install Temporary Catch Basin Protection.
  - Remove Temporary Controls And Restore And Stabilize The Areas They Occupied.
  - Apply Final Surface Treatments And Complete Landscaping After Construction Work is Completed.
  - Maintain Temporary Control Measures Until Final Stabilization is Achieved.

- General Sequence of Access Drive Construction:**
- Stabilize Areas Made Bare For Construction Routes and Equipment Parking by Topping With Gravel.
  - Install Temporary Sediment and Erosion Control Measures: Install Stone Check Dams In Areas of Concentrated Flow Where Gradients Exceed 10%.
  - Perform Grading and Grubbing, Site Work, Grading, and Driveway Construction, Including Culverts, Ditches/Swales, and Retaining Walls. All Work Shall Be Smoothly Blended To Existing Grades.
  - Stabilize All Disturbed Areas.
  - Topsoil Shall Be Applied To A Minimum Depth Of 4" To Finished Grade In Vegetated Channels And Swales, 6" To Finished Grade In Other Disturbed Areas To Be Vegetated, And Shall Be Seeded And Mulched. In All Areas Where The Slope Is 5% Or More, The Mulch Shall Be Securely Anchored.
  - Following Soil Disturbance Or Re-Disturbance, Temporary Or Permanent Sedimentation Controls and Erosion Control Measures Shall Be Installed.
  - Remove Temporary Controls and Restore And Stabilize The Areas They Occupied.
  - Apply Final Surface Treatments.
  - Maintain Temporary Control Measures Until Final Stabilization is Achieved.

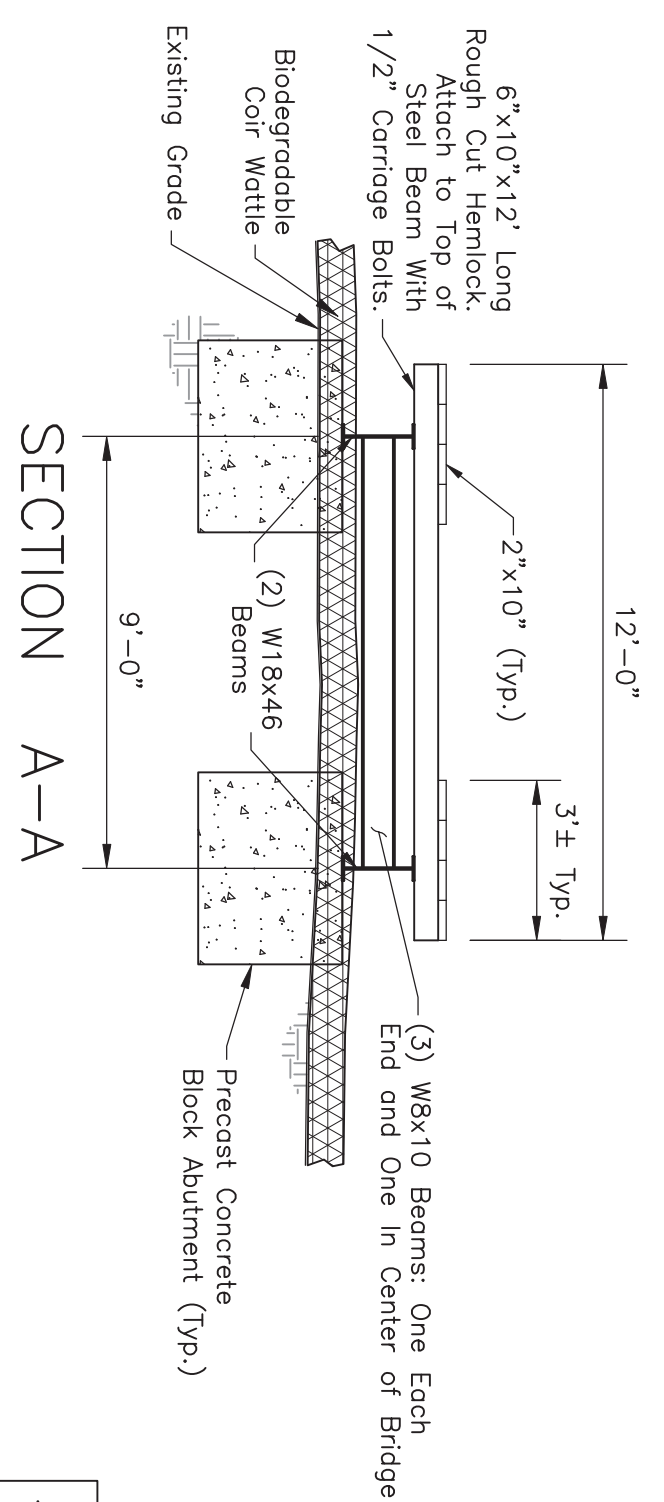
- General Maintenance And Inspection:**
- Remove Sediment Tracked Onto Public Streets Daily.
  - Implement Dust Control When Needed.
  - Inspect Sediment And Erosion Control Measures Every 7 Calendar Days. Maintain And/Or Repair Measures As Needed For Proper Functioning.
  - Remove Sediment and Debris Accumulations From Behind Silt Fencing, Check Dams, and Catch Basin Piles When Needed As Specified.
  - Inspect All Disturbed Areas For Erosion, Sediment Accumulation, and Other Disturbances. Sediment That Accumulates Shall Be Removed From All Control Structures When Required.
  - All Inspection Records Are To Be Maintained On-Site.

- Temporary Haul Road & Staging Area Notes:**
1. Clear and Strip, Roadbed and Parking/Staging Areas of All Vegetation, Roots, and Other Objectionable Material.
  2. Locate Staging/Parking Areas On Naturally Flat Areas As Available. Keep Grades Sufficient for Drainage, but Not More Than 2% to 3%.
  3. Provide Surface Drainage and Divert Excess Runoff to Stabilized Areas.
  4. Maintain Cut and Fill Slopes to 2:1 or Flatter and Stabilized With Vegetation as Soon as Grading is Accomplished.
  5. Spread 6" Layer of Sub-base Material Evenly Over the Full Width of the Road and Smooth to Avoid Depressions.
  6. Provide Appropriate Sediment Control Measures As Shown on the Plans to Prevent Sedimentation.

**F5 Temporary Construction Access**  
 Scale: 1/4" = 1'-0"

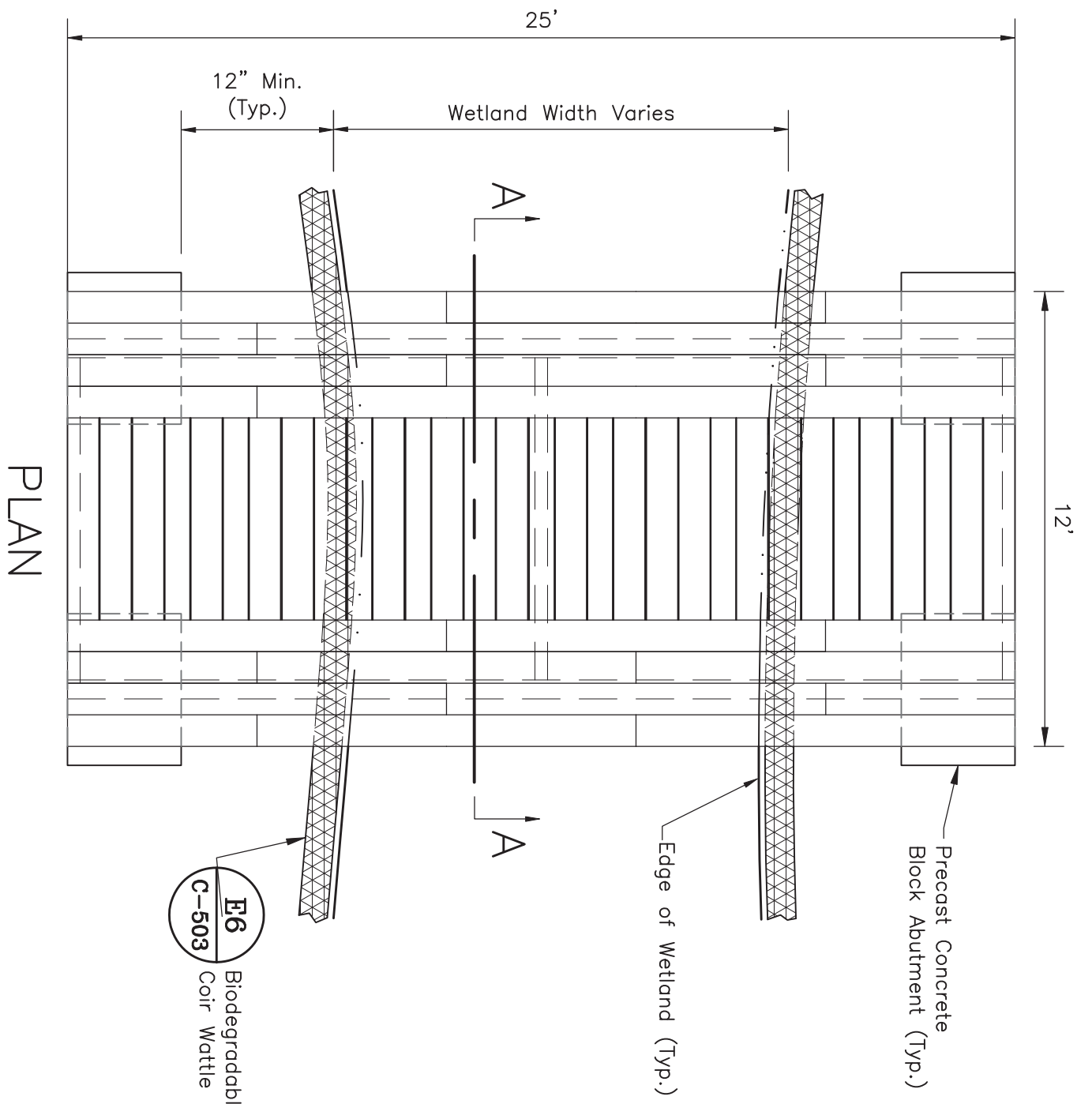


**E1 Stabilized Construction Entrance/Exit**  
 Scale: Not to Scale

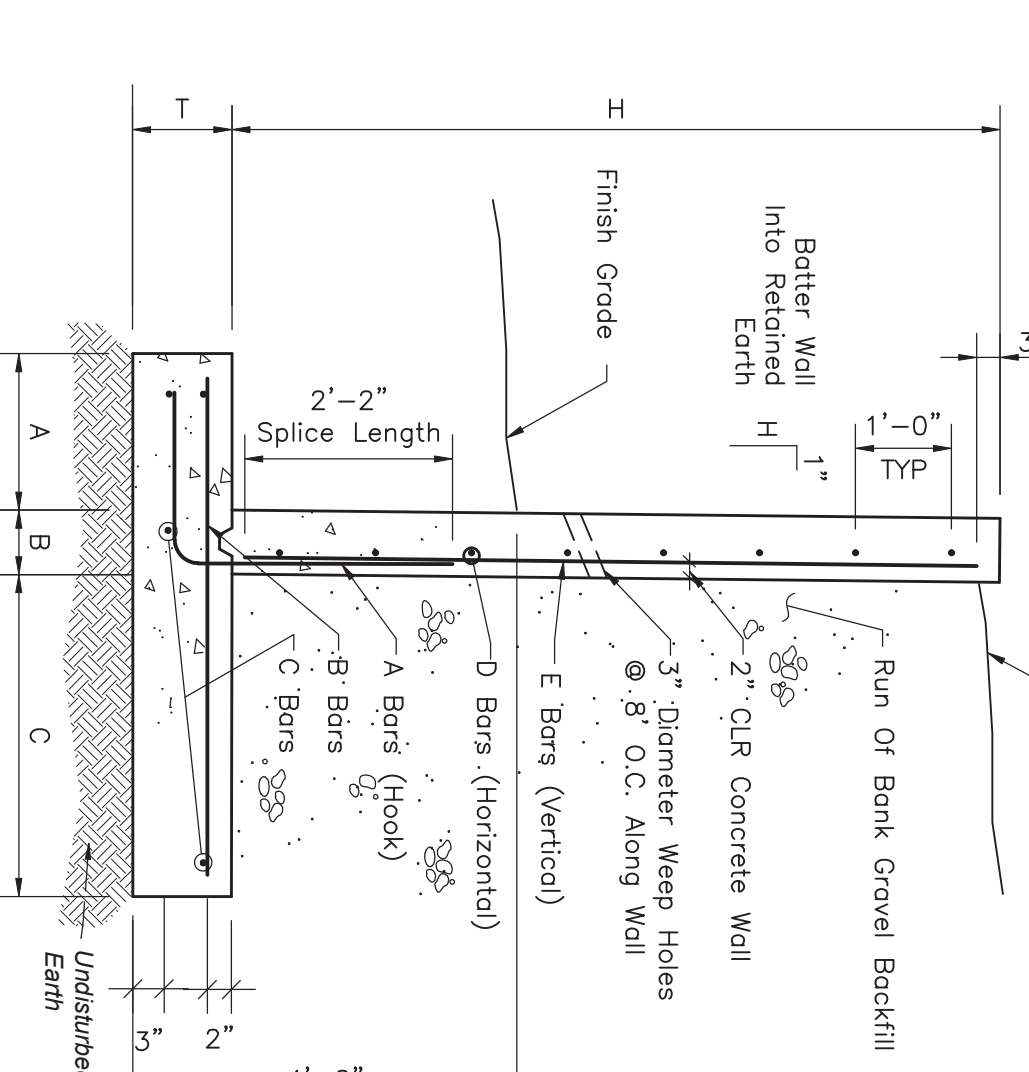


**Temporary Bridge Notes:**

1. Temporary Bridge Shall Be Constructed and Installed Without Construction Equipment Working in the Wetland or Stream Channel.
2. Temporary Bridge Structure Shall Be Installed At or Above Bank Elevation to Prevent Entrapment of Floating Materials and Debris.
3. Abutments Shall Be Placed Parallel To, and On Stable Banks.
4. Bridge Span Entire Stream Channel and/or Wetland Without Use of Intermediate Footing, Pier, or Other Intermediate Support.
5. Decking Shall Be Built Tightly to Prevent Any Soil Material Tracked Onto Bridge From Falling Into Waterway or Wetland Below.
6. Run Planking Shall Be Securely Fastened to the Length of the Span.
7. Bridge Shall Be Securely Anchored at Only One End Using Steel Cables or Chains. Steel Cables or Chains Shall Be Attached to Steel or Driven Steel Anchors. Anchoring Shall Be Sufficient to Prevent the Bridge From Flooding Downstream and Possibly Causing on Obstructions to Flow.
8. All Areas Disturbed During Installation Shall Be Stabilized Within 14 Calendar Days.
9. Periodic Inspection Shall Be Performed by the User to Ensure That the Bridge, Streambed, Banks, and Wetlands Are Maintained and Not Damaged.
10. Maintenance Shall Be Performed as Needed to Ensure That the Structure Remains Clean and in Good Operating Condition. This Shall Include Removal and Disposal of Any Trapped Sediment or Debris. Sediment Shall Be Disposed of Outside the Floodplain and Stabilized.
11. When Temporary Bridge is No Longer Needed All Structures Including Abutments, Run Planking, and Decking Shall Be Removed Within 14 Calendar Days.
12. Final Cleanup Shall Consist of Removal of Temporary Bridge, Protection of Banks and Wetlands, and Removal of All Construction Materials. All Removed Materials Shall Be Stored Outside of the Floodplain and Stabilized.
13. All Areas Disturbed During Removal Shall Be Stabilized Within 14 Calendar Days.



**A1 Temporary Access Bridge Details**  
 Scale: 1/4" = 1'-0"

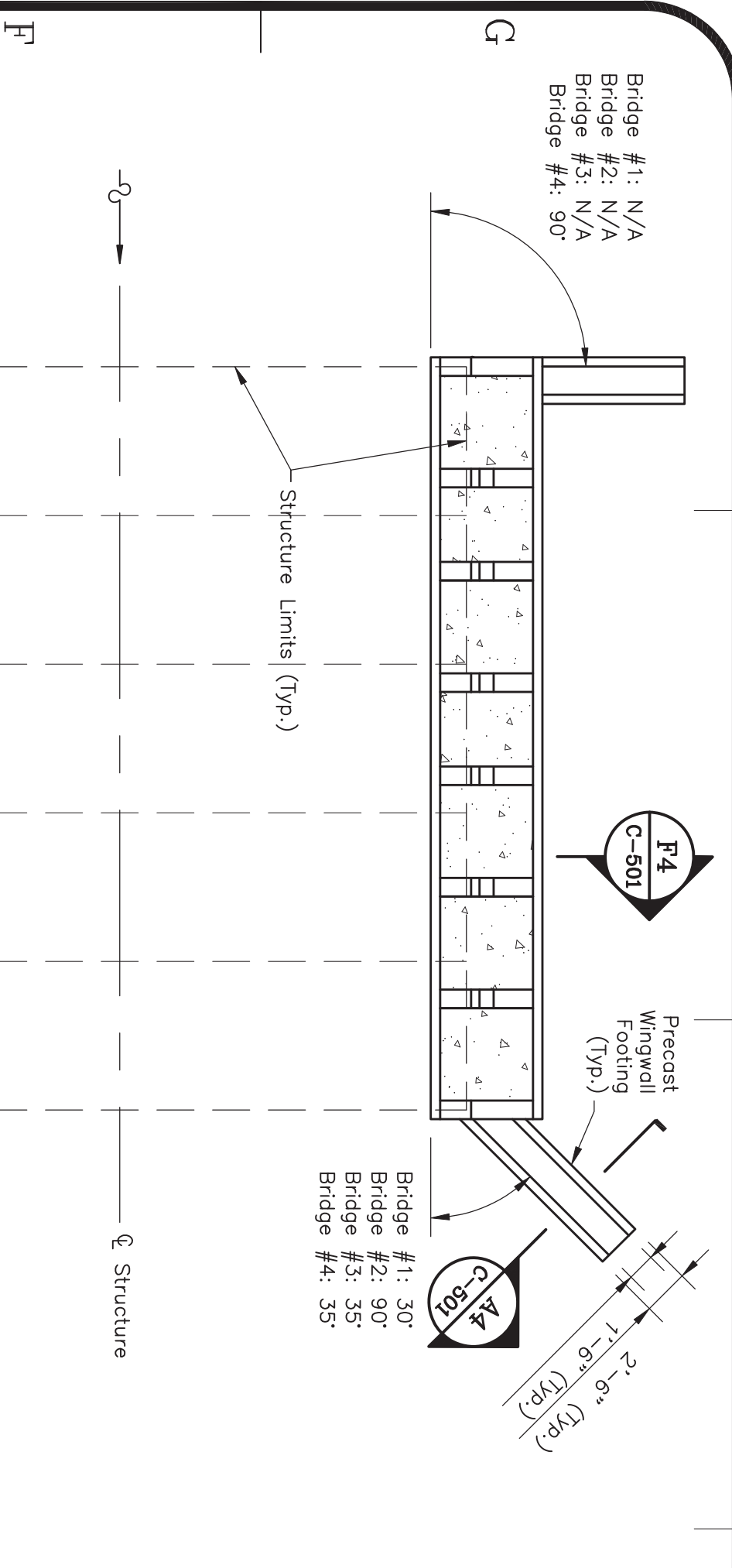


**A5 Typical Retaining Wall Section**  
 Scale: 1/2" = 1'-0"

MIN. COMPRESSIVE STRENGTH	3,000 PSI REINFORCING BAR TENSILE STRENGTH	60 KSI							
H	A	B	C	T	A BARS	B BARS	C BARS	D BARS	E BARS
5'-0"	6"	8"	1'-9"	1'-0"	#5@18"O.C.	#4@18"O.C.	(4) #4	#4@12"O.C.	#4@18"O.C.
6'-0"	8"	8"	2'-0"	1'-0"	#5@18"O.C.	#4@18"O.C.	(4) #4	#4@12"O.C.	#4@18"O.C.
7'-0"	1'-0"	8"	2'-2"	1'-0"	#5@18"O.C.	#4@18"O.C.	(4) #4	#4@12"O.C.	#4@18"O.C.
8'-0"	1'-1"	12"	2'-2"	1'-0"	#5@14"O.C.	#4@14"O.C.	(5) #4	#4@12"O.C.	#4@14"O.C.
9'-0"	1'-1"	12"	2'-9"	1'-0"	#5@14"O.C.	#4@14"O.C.	(5) #4	#4@12"O.C.	#4@14"O.C.
10'-0"	1'-4"	12"	3'-0"	1'-0"	#5@12"O.C.	#4@12"O.C.	(5) #4	#4@12"O.C.	#4@14"O.C.

Provide Vertical Control Joints in Wall At 25' O.C. (max).

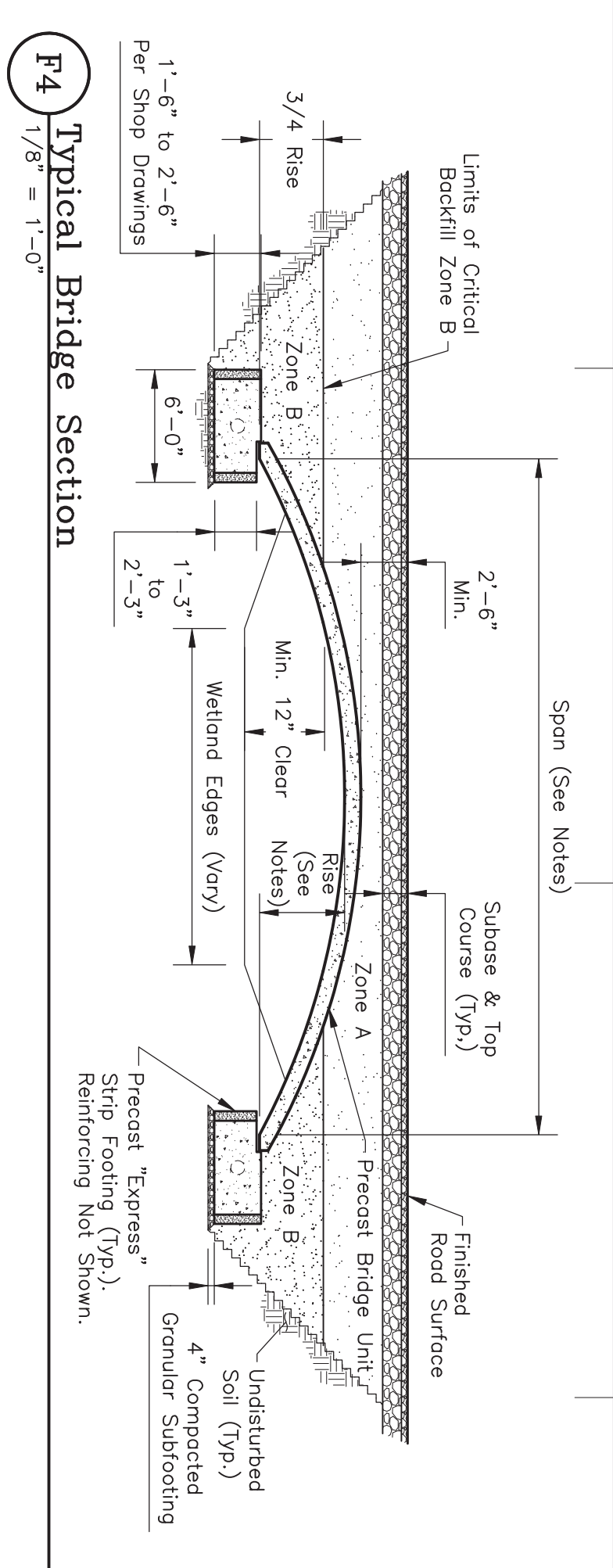
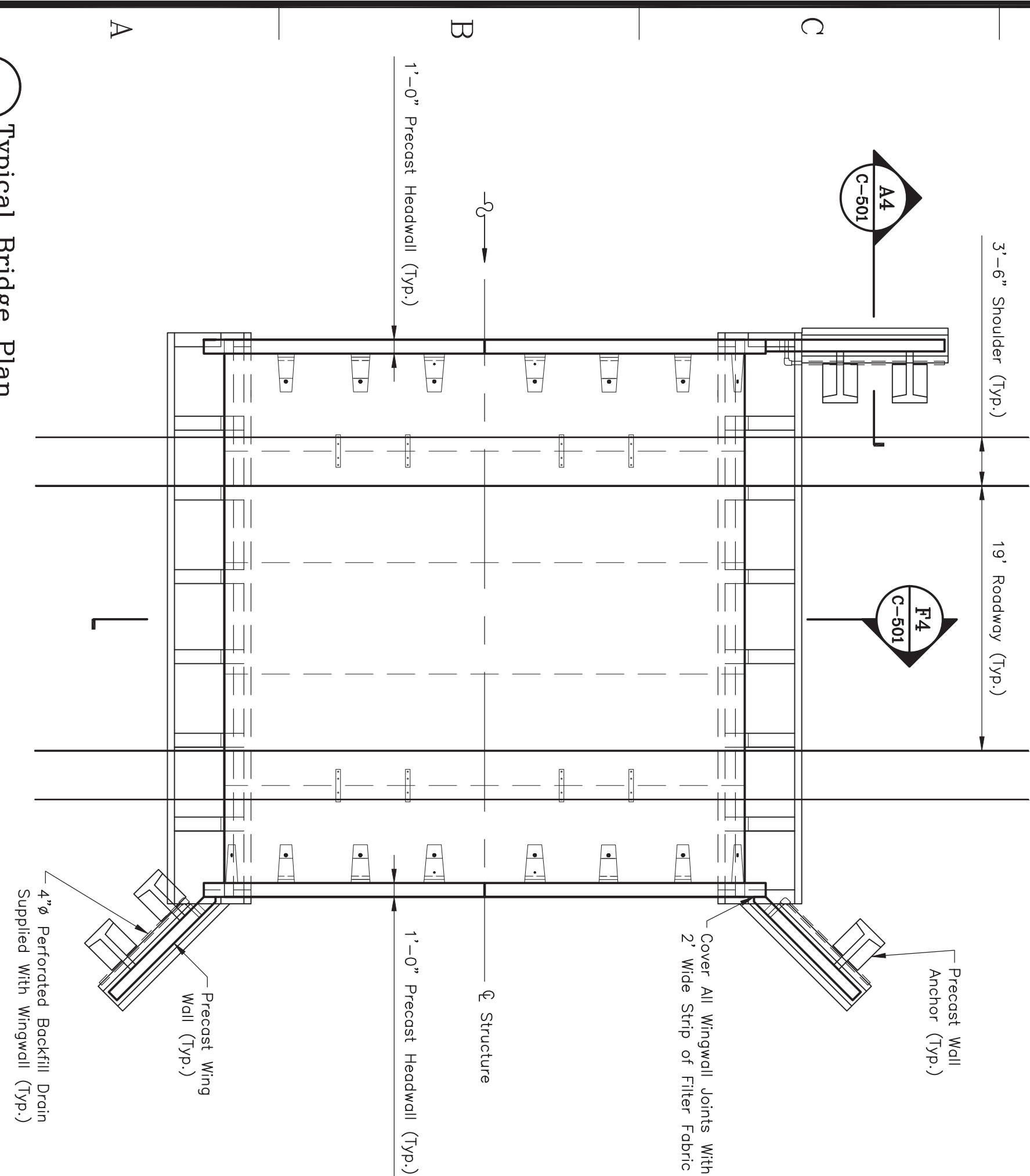




**Notes:**

1. Bridge Length and Alignment with Road May Differ From Example Shown. Refer to Plans.
2. Wing Walls and Foundations Are Shown For Example Proposed. Note: Foundation Details for Wing Walls Differ. Refer to Plans.
3. Table Below Provides Span, Rise, and Bridge Length Specifications For Each Proposed Bridge. All Bridges are Precast Structures as Manufactured by Cortech Engineered Solutions LLC.

Bridge #1: Babo 124, 24' Span, 3'-2 1/2" Rise, 6 Units @ 6'L = 36'  
 Bridge #2: Babo 128, 28' Span, 3'-9" Rise, 6 Units @ 8'L = 48'  
 Bridge #3: Babo 134, 34' Span, 4'-0 1/2" Rise, 5 Units @ 8'L = 40'  
 Bridge #4: Babo 134, 34' Span, 4'-0 1/2" Rise, 5 Units @ 8'L = 40'



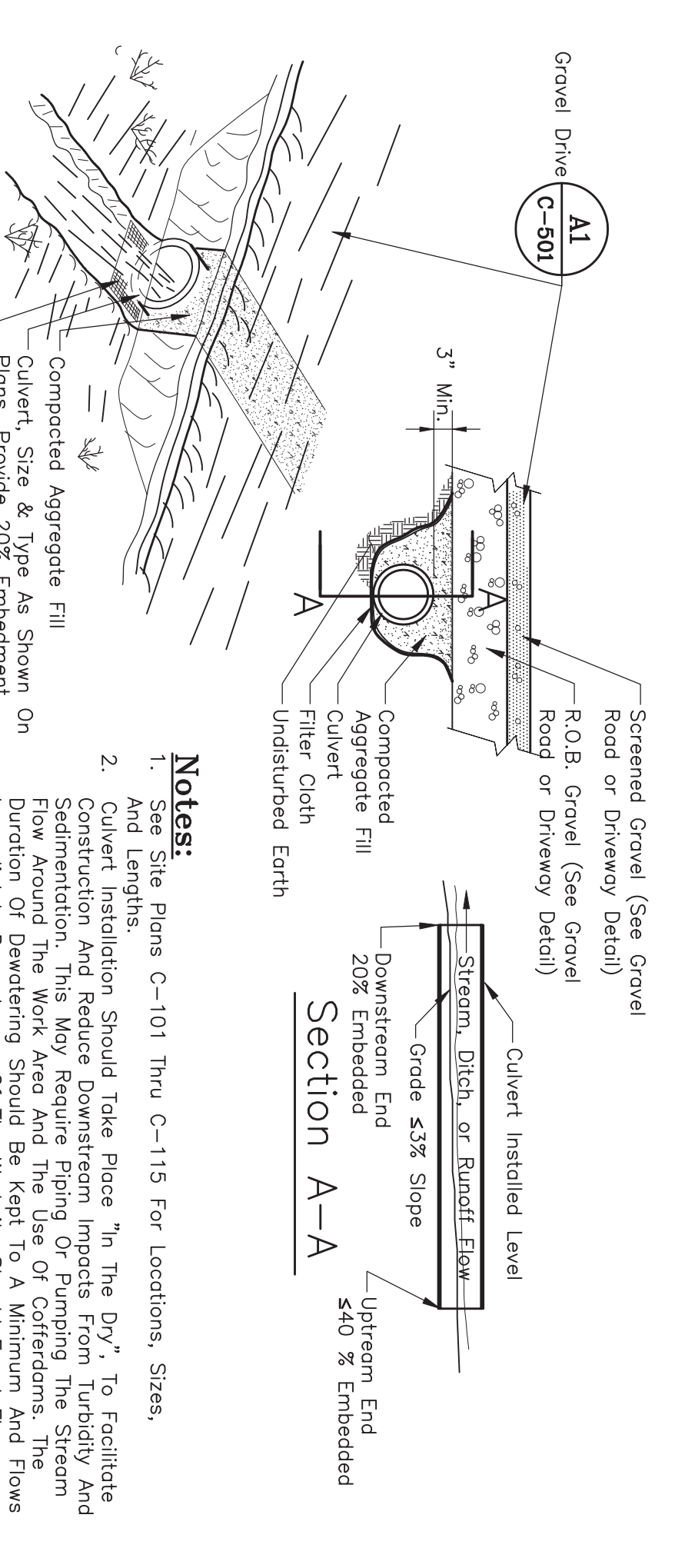
**Precast Reinforced Concrete Bridge Notes:**

1. Precast Arch, Wingwall, and Foundation Units Shall Be Manufactured by Cortech Engineering Solutions. Installation Shall Be in Accordance With The Manufacturer's Instructions and Specifications.
2. The Precast Units Shall Be Installed in a Pre-Defined Order. Expansion Joints Shall Not Be Used.
3. Precast and Cast-in-Place Concrete For Express Foundations Shall Have a Minimum 28-Day Compressive Strength of 4000 PSI.
4. Reinforcing Steel Shall Conform to ASTM A615 or A996. Grade 60 Foundation Units Shall Be Reinforced with a Minimum of 12" Base Layer of No. 4 Reinforcing Steel. The Full Width of the Precast Wingwall Shall Be Removed and Replaced With Well-Compacted Foundation Material. Precast Foundation Units on Both Sides Prior to Placing Cast-in-Place Concrete.
5. Compacted Backfill Material Must Be Placed Up to the Top of the Concrete Shoulder with Crown of Precast Unit.
6. Concrete Shall Be Clean, Free of Lint, Dirt, Standing Water, and Any Other Material That May Impair the Bond Between the Precast Concrete and Cast-in-Place Concrete.
7. Cast-in-Place Concrete Mix Used to Fill Foundation Shall Be Able to Undergo Early Release of Formwork. (If Formwork is Used, Placement of Cast-in-Place Concrete.
8. The Bridge Units and Wingwalls Shall Be Set on Masonry or Steel Shims Measuring 6"x6" Minimum. A Minimum Gap of 1/2" Shall Be Provided Between the Footing and the Bottom of the Bridge's Vertical Legs of the Bottom of the Wingwall. Avoid Lateral Spreading of the Bridge Elements During and After Placement. A Sufficient Number of Precast Wedges Shall Be Placed in the Key and Smaller Shims and Wedges Are Placed in the Key and Smaller Shims and Wedges Added Before Complete Release of the Precast Concrete Bridge Element From the Crane.
9. Joints Between Bridge Units and Between End Bridge Units and Headwalls Shall Be Sealed in Accordance With the Manufacturer's Specifications. Cast-in-Place Concrete Shall Be Applied to the Spreads and Slabs with a 2" Slab Finish. Edge Units and Headwalls Shall Be Finished with a 1/2" Slab Finish. A 9"x9" Square of Joint Work Pinned and Covered With a 9"x9" Square of Joint Work.
10. GROUTING: Fill Bridge-Foundation Keyway With Cement Grout Having a Minimum 28-Day Compressive Strength of 3000 PSI. Vibrate As Required to Ensure Entire Key Around Bridge Element is Completely Filled.
11. Backfill: Do Not Perform Backfilling During Heat or Freezing Weather. Refer to Backfill Zone Notes on This Sheet For Required Backfill Properties. Dumping Is Not Allowed Any Nearer Than 3:1 Through the Bridge Key. Fill Must Be Placed and Compacted in Layers Not Exceeding 8". Maximum Difference in the Surface Levels of the Fill On Opposite Sides of Bridge Must Not Exceed 2". Fill Behind Wingwalls Must Be Placed At Same Time As That of the Bridge Fill and Placed Progressively in Horizontal Layers Not Exceeding 8". Backfilling in Layers Shall Be Limited to 12" of Concrete. Compaction Surfaces Should Be Hand-Compacted. Elsewhere, Use of Rollers is Acceptable. If Vibrating Roller-Compactors Are Used, They Should Not Be Started or Stopped Within Zone B and the Vibration Frequency Should Be at Least 30 Revolutions/Second. Backfill Against a Waterproofed Surface Shall Be Placed Carefully to Avoid Damage to the Waterproofing Material.

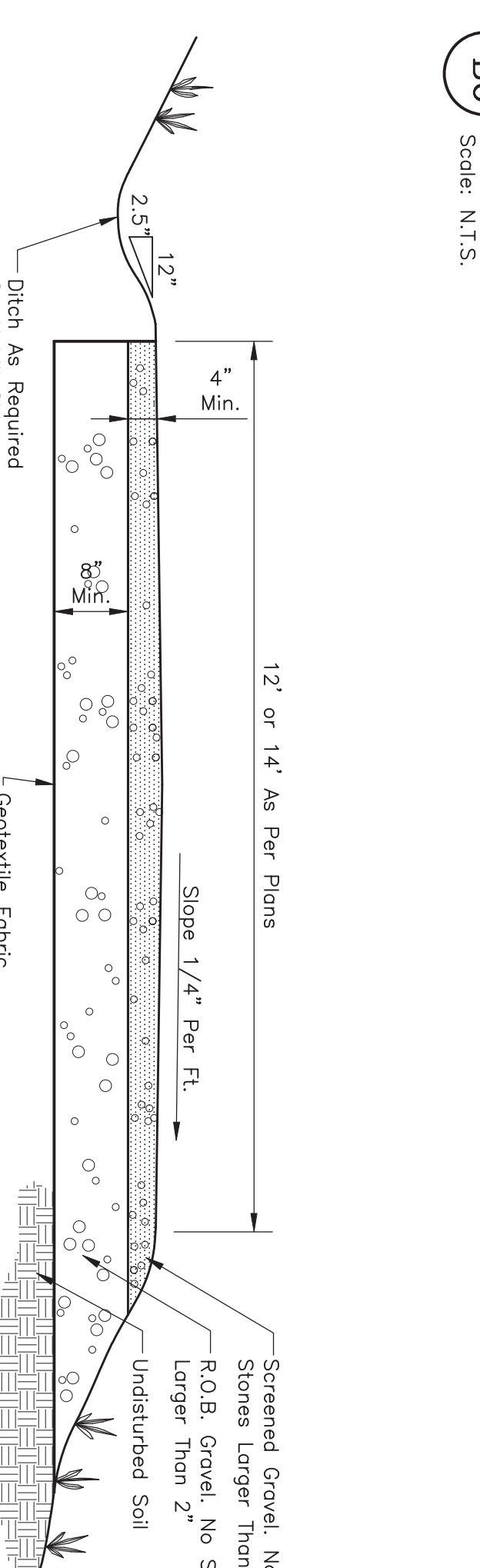
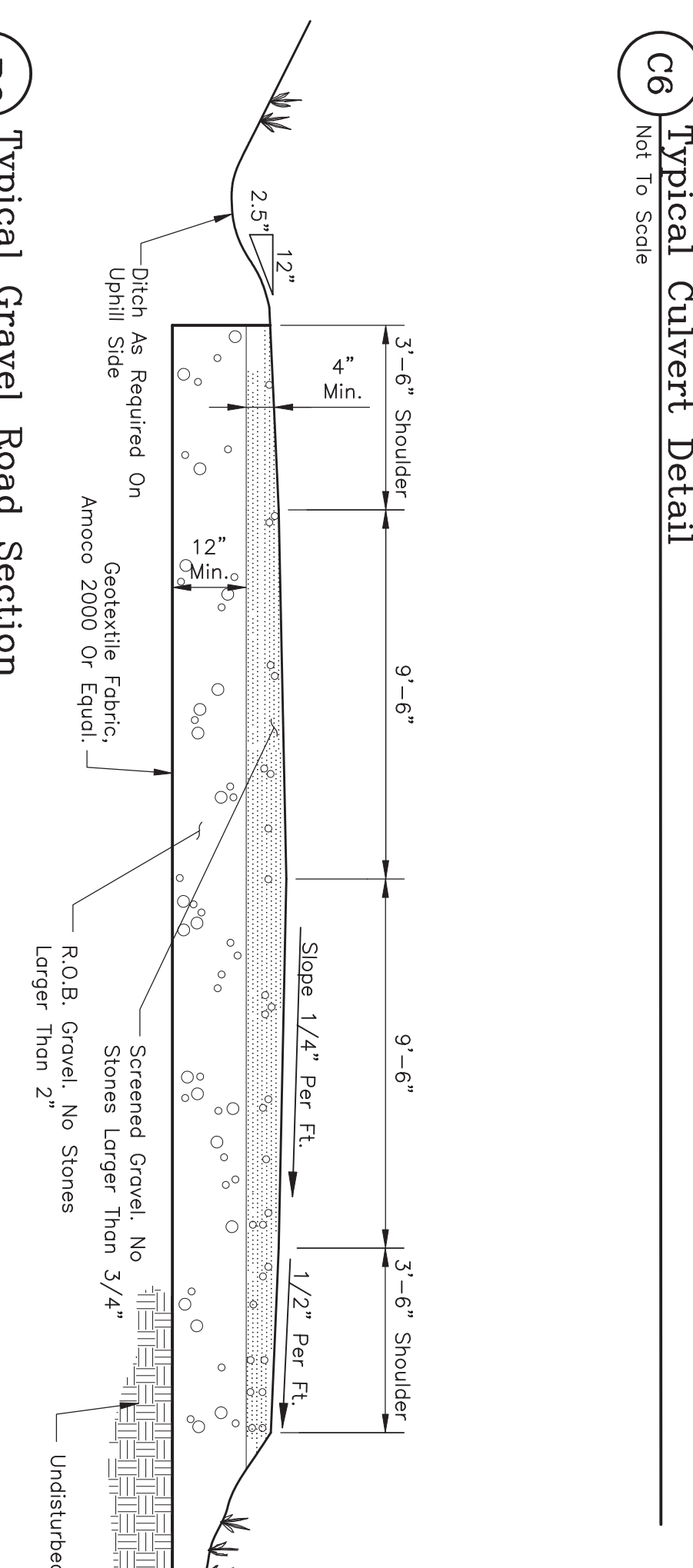
- Backfill Zone Notes:**
1. Undisturbed or In-Situ Soil: Natural Ground Must Be Sufficiently Stable to Allow Effective Support to the Precast Concrete Bridge Units. Backfill Material Shall Have a Minimum Lateral Dimension of One Bridge Span Outside of Bridge Footing.
  2. Zone A: Fill Material with Specifications and Compacting Procedures Equal to That For Normal Road Embankments.
  3. Zone B: Critical Backfill. Generally, Soils Shall Be Reasonably Free of Organic Matter, and, Near Concrete Surfaces, Free of Stones Larger Than 3" Diameter. See Chart. This Sheet For Acceptable Zone B Soils.
  4. Zone C: Road Section of Gravel, Asphalt, or Concrete. Refer to Road Details.

**Acceptable Soils For Use in Zone B Backfill**

Character of Fraction	Soil Description
AASHTO Group #10	Percent Passing US Sieve No. #200
A-1	50 max 30 max
A-1-a	15 max 25 max
A-1-b	30 max 40 max
A-2-4	10 max 10 max
A-2-5	35 max 41 max
A-3	51 min 10 max
A-4	36 min 40 max
	Low-Compressibility Silts



- Notes:**
1. Slope Plans C-101 Thru C-115 For Locations, Sizes, and Lengths.
  2. Culvert Installation Should Take Place "In The Dry". To Facilitate Construction and Reduce Downstream Impacts From Turbidity and Sedimentation, This May Require Flushing Or Pumping The Stream Flow Around The Work Area And The Use Of Cofferdams. The Duration of Dewatering Should Be As Short As Feasible. All Flows Immediately Upstream Of The Worksite



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Woodward Lake Properties, LLC  
Towns of Northampton & Mayfield  
Fulton County, NY

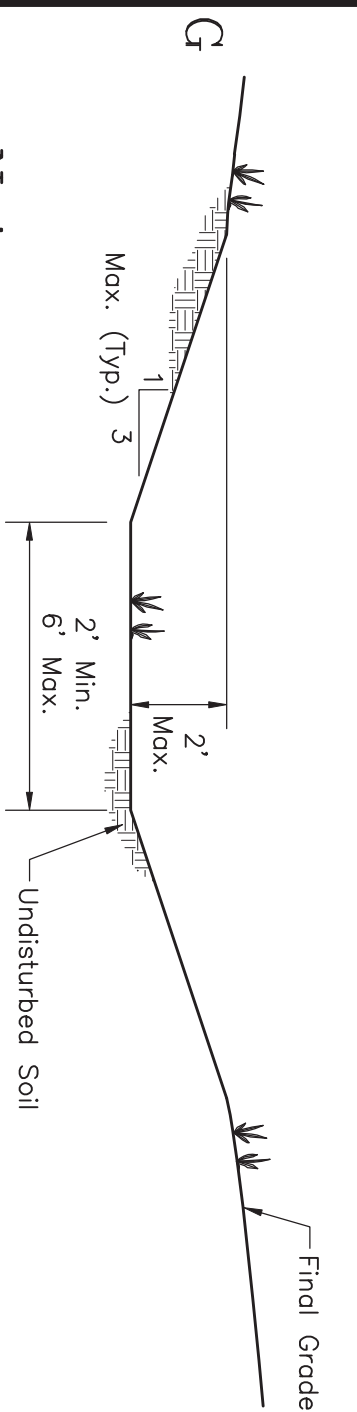
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No.	Description	Date
1	Issue Schedule	04/02/19
2	Construction Drawings	04/29/19
3	Agency Review Drawings	01/26/20

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SHEET NAME:  
**Typical Bridge, Culvert, Road, & Driveway Details, Notes, & Specifications**

Page: **C-502**



### Notes:

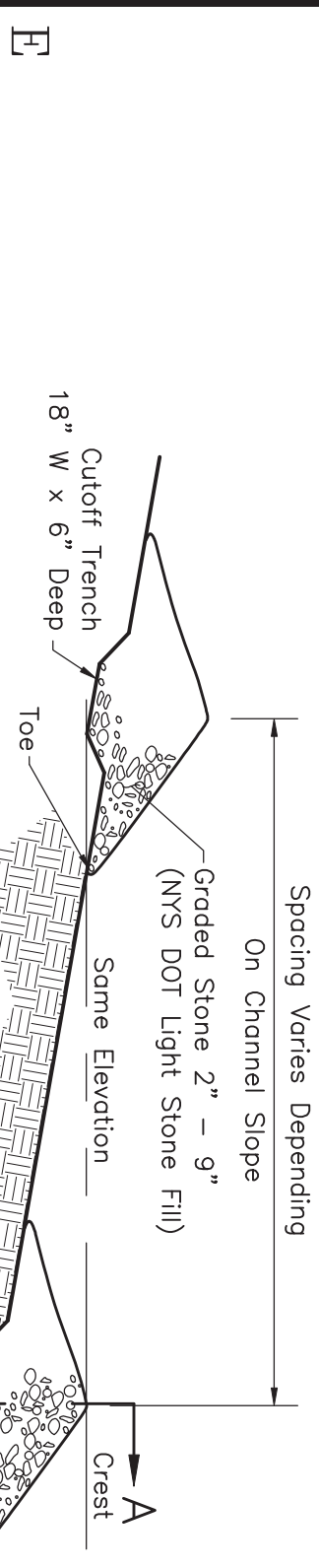
Construct Swale After Final Grading Of Contributing and Adjacent Areas Have Been Completed. Remove All Brush, Stumps, and Objectionable Material. Slope Or Excavate Swale To Smooth Line, Grade, and Cross Section. On Slopes Greater Than 4%, Install 12" High Stone Check Dams Every 30' In Bottom Elevation. Provide 4 Inches Topsoil. Remove All Stones and Mulch From Bottom Elevation. Provide 4 Inches Topsoil. Remove All Stones and Mulch From Bottom Elevation. Provide 4 Inches Topsoil. Roll Or Cultivate-Seed and Mulch Seed Bed. Anchor Mulch As Needed.

### Recommended Seed Mixtures:

- A. 0.68 lbs/1000sf Perennial Ryegrass, 0.45 lbs/1000sf Tall Fescue or Smooth Bromegrass, 0.05 lbs/1000sf Redtop
- B. 0.60 lbs/1000sf Kentucky Bluegrass, 0.50 lbs/1000sf Creeping Red Fescue, 0.20 lbs/1000sf Perennial Ryegrass

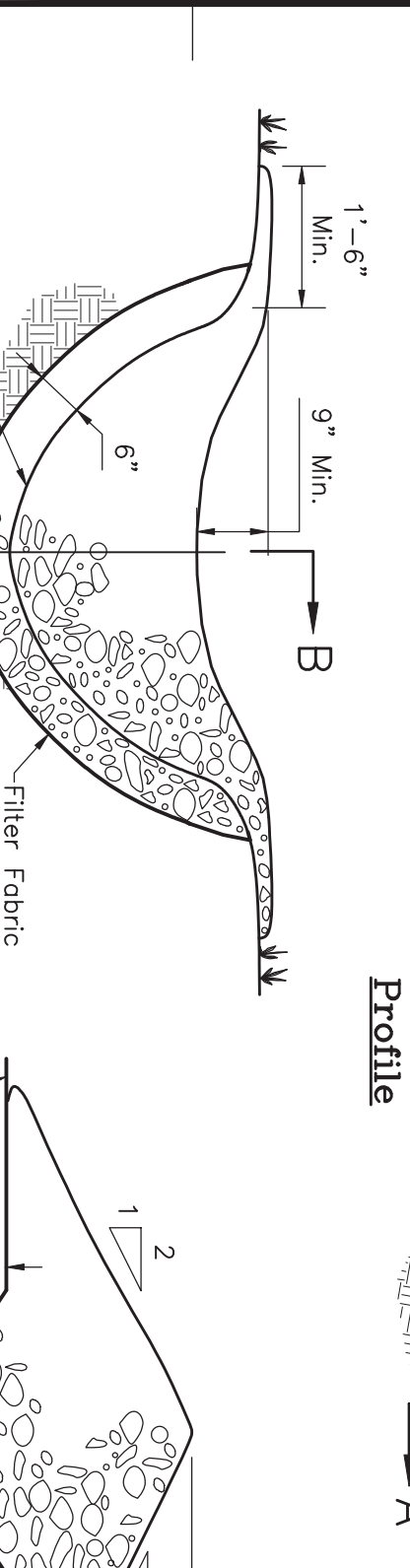
### F1 Typical Vegetated Swale Section

Scale: 1/4" = 1'-0"



### E5 Typical Reinforced Silt Fence Detail

Not To Scale



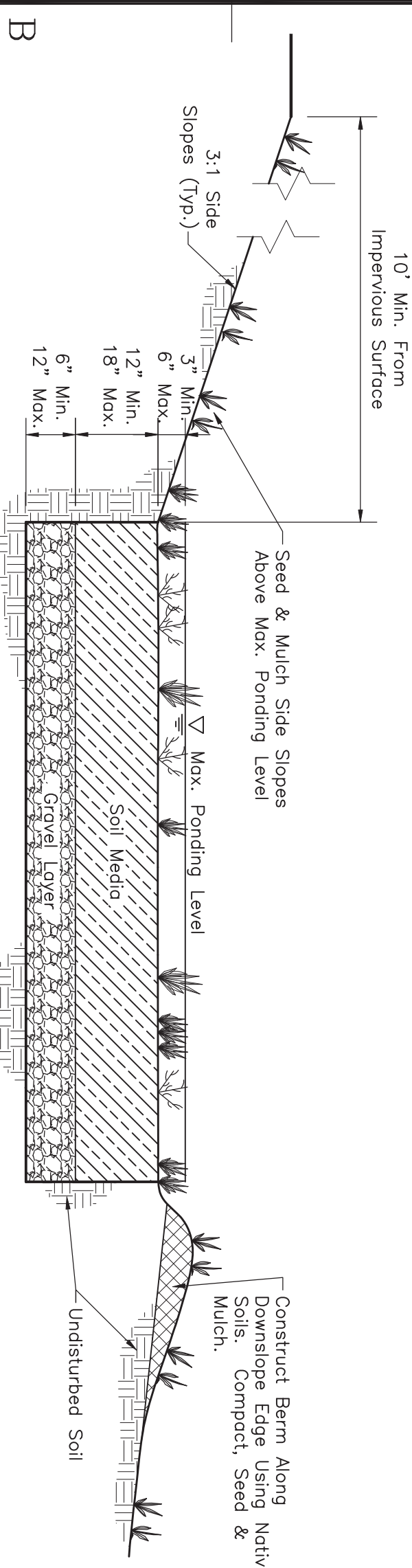
### C1 Check Dam Detail

Not To Scale

- #### Construction Specifications
1. Stone Will Be Placed On A Filter Fabric Foundation To The Lines, Grades, and Locations Shown On The Plan.
  2. Set Spacing Of Check Dams To Assume That The Elevations Of The Crest Of The Downstream Dam Is At The Same Elevation Of The Toe Of The Upstream Dam.
  3. Extend The Stone A Minimum Of 1'-6" Beyond The Ditch Banks To Prevent Cutting Around The Dam.
  4. Protect The Channel Downstream Of The Lowest Check Dam From Scour And Erosion With The Stone Or Liner As Appropriate.
  5. Ensure That Channel Appearances Such As Culvert Entrances Below Check Dams Are Not Subject To Damage Or Blockage From Displaced Stones.

### C4 Typical Coir Mattie Detail

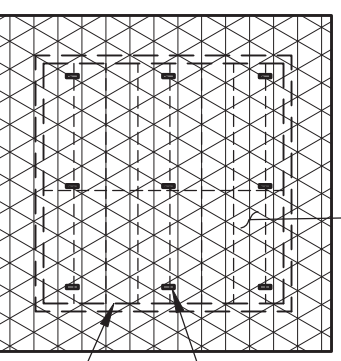
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### A1 Typical Rain Garden Section

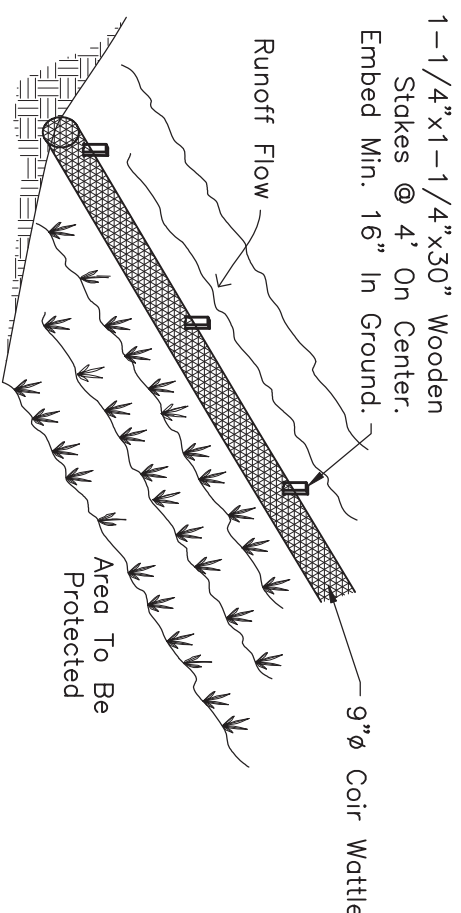
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- #### Construction Notes:
1. Site Rain Gardens At Least 10' From Any Basement Foundation But As Close As Possible To Impervious Areas Intended To Be Treated. Generally Within 30'. Direct Runoff From Driveways And Other Impervious Surfaces To Rain Garden Through Shallow Swales Or Sheet Flow Across Short Distances. Rooftop Runoff May Be Directed To Area With Stone Placed At Point Of Discharge Into Rain Garden (If Possible, Direct Rooftop Runoff To Other Vegetated Or Pervious Areas Rather Than Rain Garden).
  2. Surface Area Of A Rain Garden Should Not Exceed Loading Ratio of 5:1 (Impervious Drainage Area To Infiltration Area). Maximum Loading Ratio Is 10:1. Length To Width Ratio Of Garden Should Be Approximately 2:1 With Long Axis Perpendicular To Slope and Flow Path.
  3. Excavate Proposed Garden To A Depth Of 24". Then Backfill With Gravel, Followed By Soil Mix.
  4. Gravel Shall Consist Of Clean Washed 1/2"-2" Diam. Stone.
  5. Soil Media Shall Consist Of 50%-70% Sand With Less Than 5% Clay Content, 50%-30% Topsoil With An Average 5% Organic Material Such As Leaf Compost Or Peat. Free of Stones, Roots & Woody Debris, and Animal Waste. Depth of Soil Media Should Be Approximately 4" Below the Bottom Of the Deepest Root Ball.
  6. Plant Container-Grown Plants With Well-Established Root Systems. Use Only Native Plant Species. Select a Mix Of Upland and Wetland Deciduous Shrubs, Grasses, and Perennials. Arrange In A Natural Configuration Starting From the More Upland Species At Outer Edge. Select Perennials With Multiple Rooting Systems At the Innermost Zone. After Rooting, Apply a 2" Layer of Shredded Hardwood Mulch Or Leaf Compost. Avoid Wood Chips.



### E3 Catch Basin Protection Detail

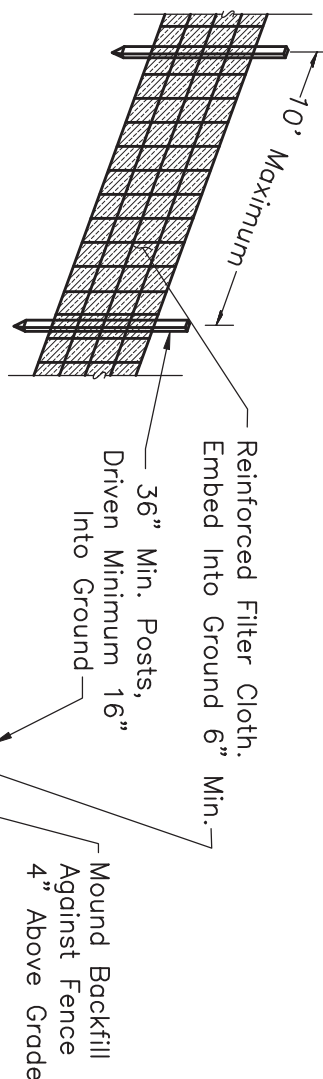
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### C4 Typical Coir Mattie Detail

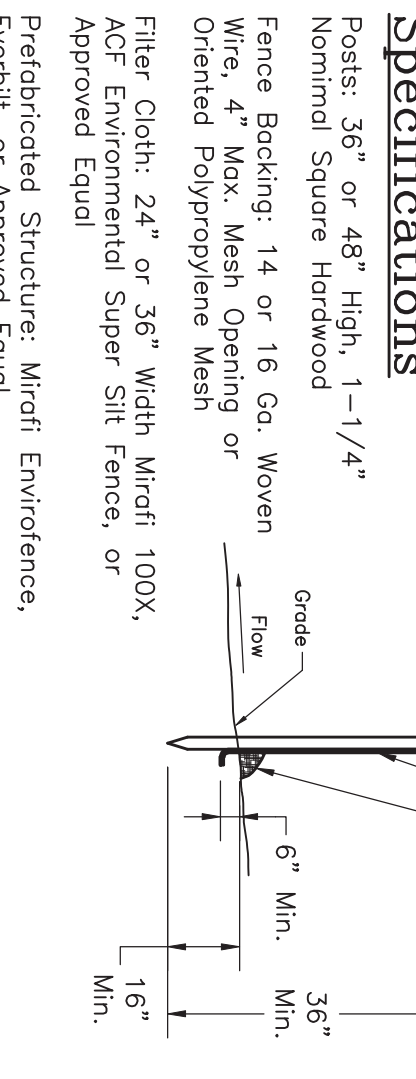
Not To Scale

- #### Notes:
1. Coir Matties Shall Consist Of Coir Twine Exterior Netting With Gridded Junctions On Shorter Sides. Matties Shall Be Biodegradable and As Produced By GEI Works or Equal.
  2. Install by Piling Mattie In a Shallow Trench At Edge of Wetland or Area to Be Protected, and Stake at 4' O.C.
  3. Maintenance Shall Be Performed As Needed And Material Removed When Sediment Accumulates to No More Than 3" Below the Top of the Mattie.



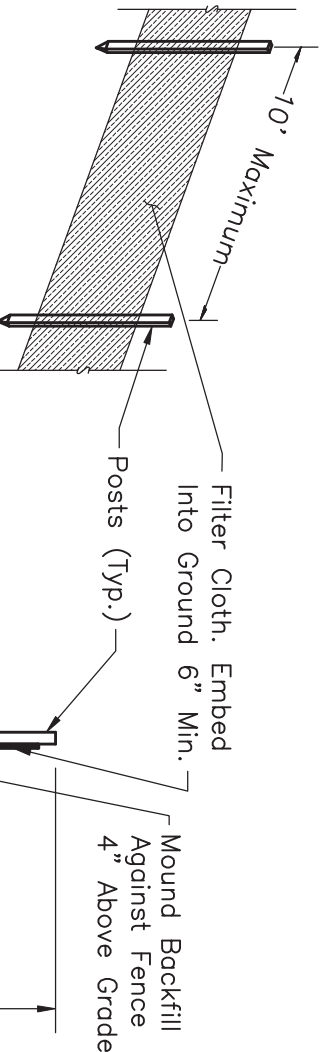
### E7 Typical HDPE Pipe Trench Detail

Not To Scale



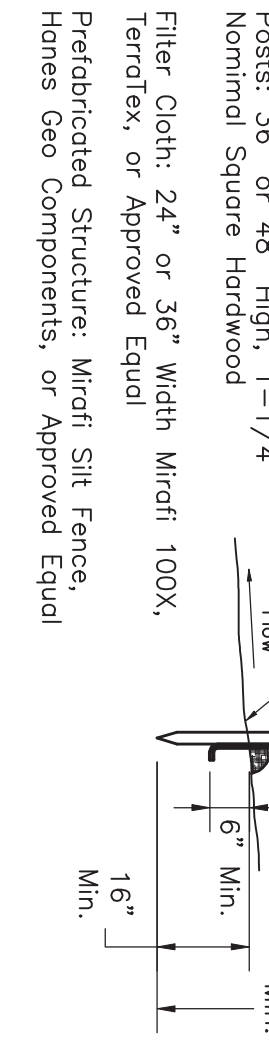
### E5 Typical Reinforced Silt Fence Detail

Not To Scale



### E5 Typical Reinforced Silt Fence Detail

Not To Scale

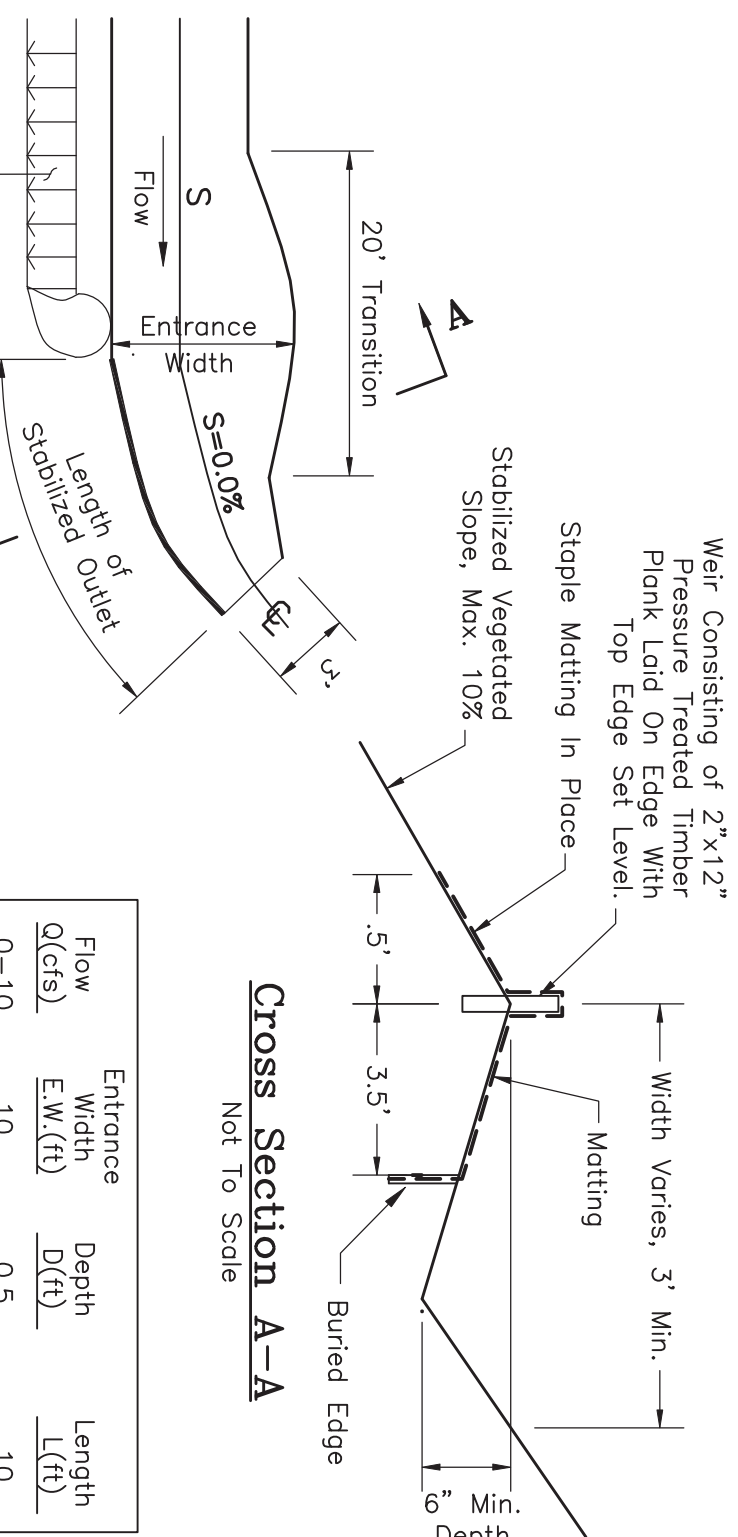


### E5 Typical Reinforced Silt Fence Detail

Not To Scale

### C5 Typical Silt Fence Detail

Not To Scale



### C5 Typical Silt Fence Detail

Not To Scale

- #### Construction Specifications
1. The Mattie Should Be A Minimum Of 5 Ft. Wide Extending 6 Inches Over The Weir And Buried 6 Inches Deep In A Vertical Trench On The Lower Edge. The Upper Edge Should Butt Against Smoothly Cut Sod and Be Securely Held In Place With Closely Spaced Heavy Duty Wire Staples At Least 12 Inches In Length.
  2. Ensure That The Weir is Level to Uniformly Spread Discharge.
  3. The Weir Shall Be Placed in Undisturbed Soil Not Fill.
  4. A 20'-Foot Transition Section Will Be Constructed From The Diversion Channel Or Swale To The Spreader To Smoothly Blend the Different Dimension And Grades.
  5. The Runoff Discharge Will Be Outletted Onto A Stabilized Vegetated Slope Not Exceeding 10%.
  6. Seed And Mulch The Disturbed Area Immediately After Construction.

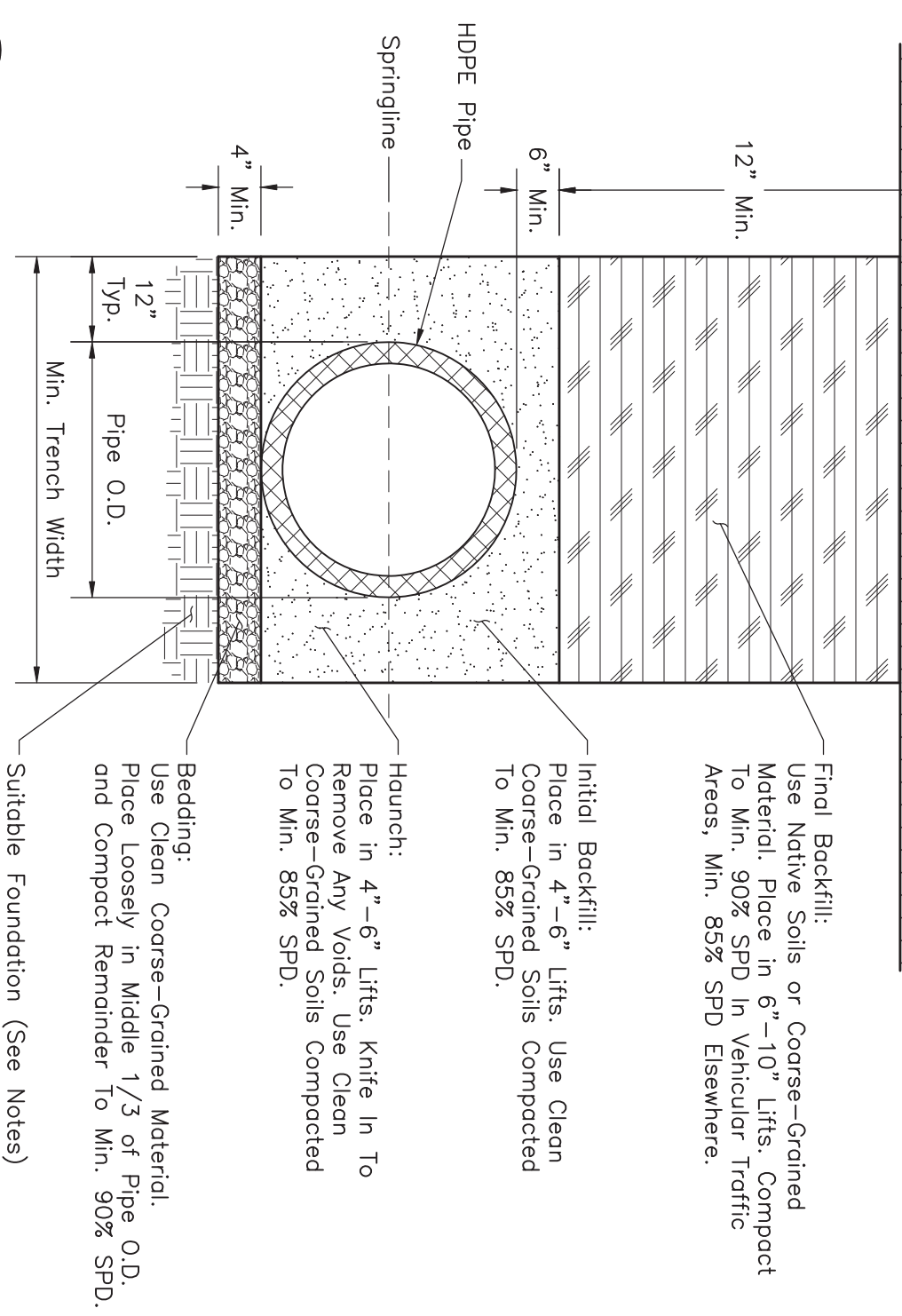
#### Cross Section A-A

Not To Scale

Flow Q(cfs)	Entrance Width (ft)	Depth (ft)	Length L(ft)
0-10	10	0.5	10
10-20	16	0.6	20
20-30	24	0.7	30

#### Notes:

Select Soil Materials Which Will Minimize Migration of Adjacent Materials.  
Any Unsuitable Subgrade Materials Shall Be Removed and Replaced with Suitable Foundation Material Consisting of Either Angular Crushed Stone/Rock or Clean Granular Soils. Place and Compact in 6" Max. Layers.  
SPD Means Standard Proctor Density.

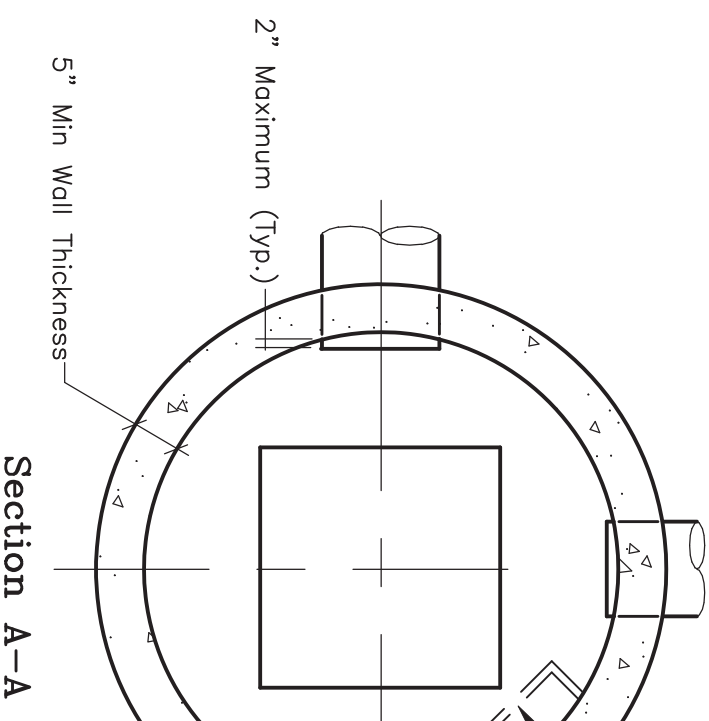


### E7 Typical HDPE Pipe Trench Detail

Not To Scale

### Sediment & Erosion Control Note:

Provide Filter Fabric Drop Inlet Protection Until Contributing Areas Are Stabilized. Set Top of Wood Frame/Fabric 6" Above Rim to Allow Water To Pass Over Top. Remove Sediment Accumulations When They Reach 3".



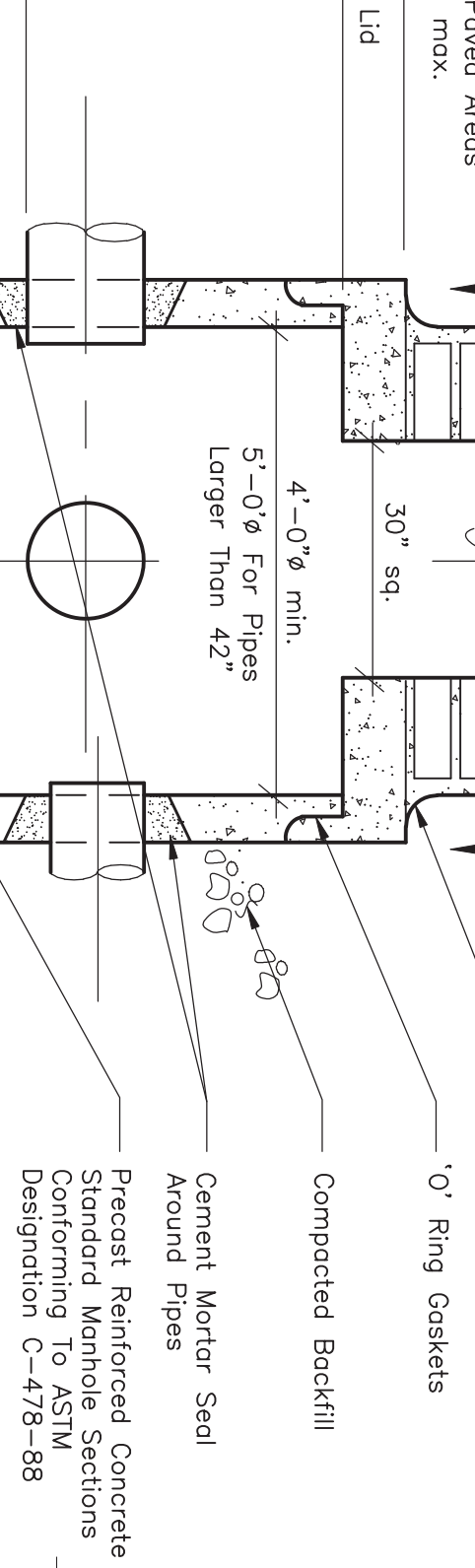
### A7 Typical Precast Concrete Catch Basin Detail

Scale: 1/2" = 1'-0"



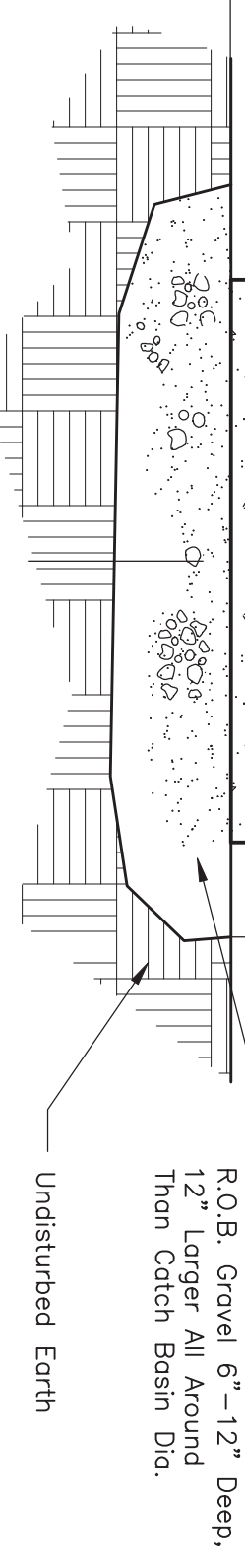
### A7 Typical Precast Concrete Catch Basin Detail

Not To Scale



### A7 Typical Precast Concrete Catch Basin Detail

Not To Scale



### A7 Typical Precast Concrete Catch Basin Detail

Not To Scale

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Woodward Lake Properties, LLC  
Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY

Stormwater Management, Erosion & Sediment Control Details & Specifications  
SHEET NAME

C-503  
PAGE

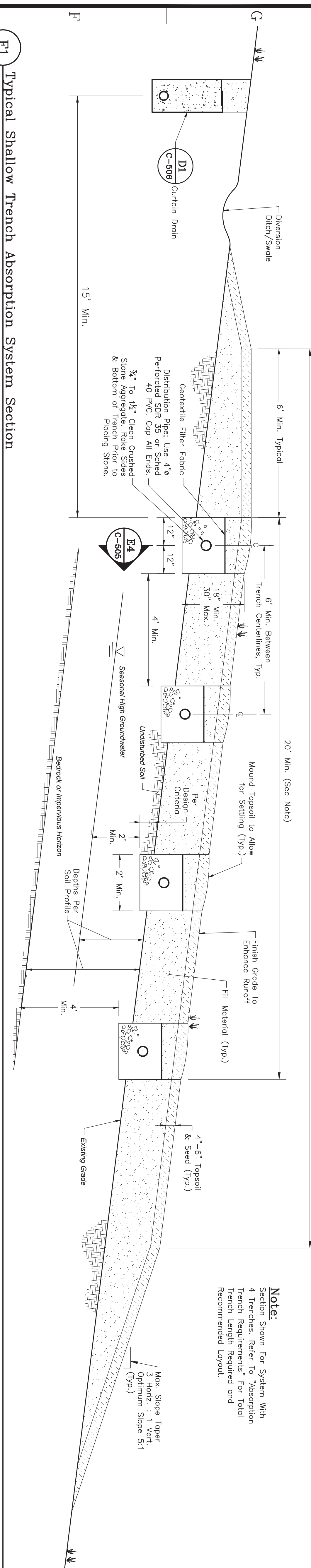
No.	Description	Date
1	Revision Schedule	01/24/25
2	Construction Drawing	04/02/25
3	Agency Review Drawing	01/29/25
4	Drawing Log	

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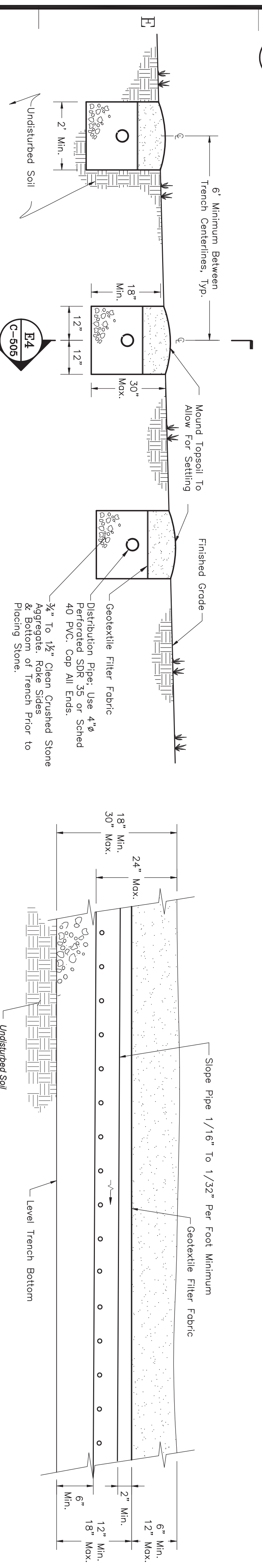
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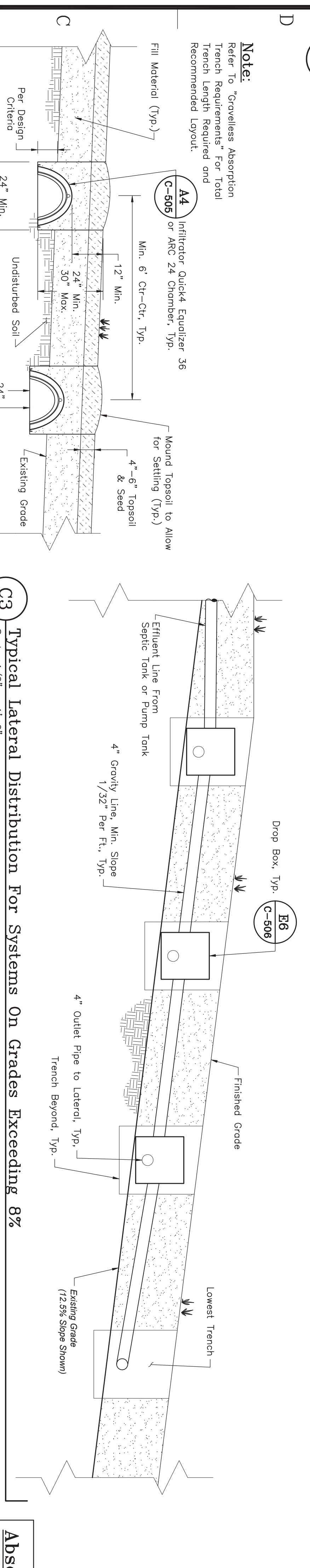
32' Min. (See Note)



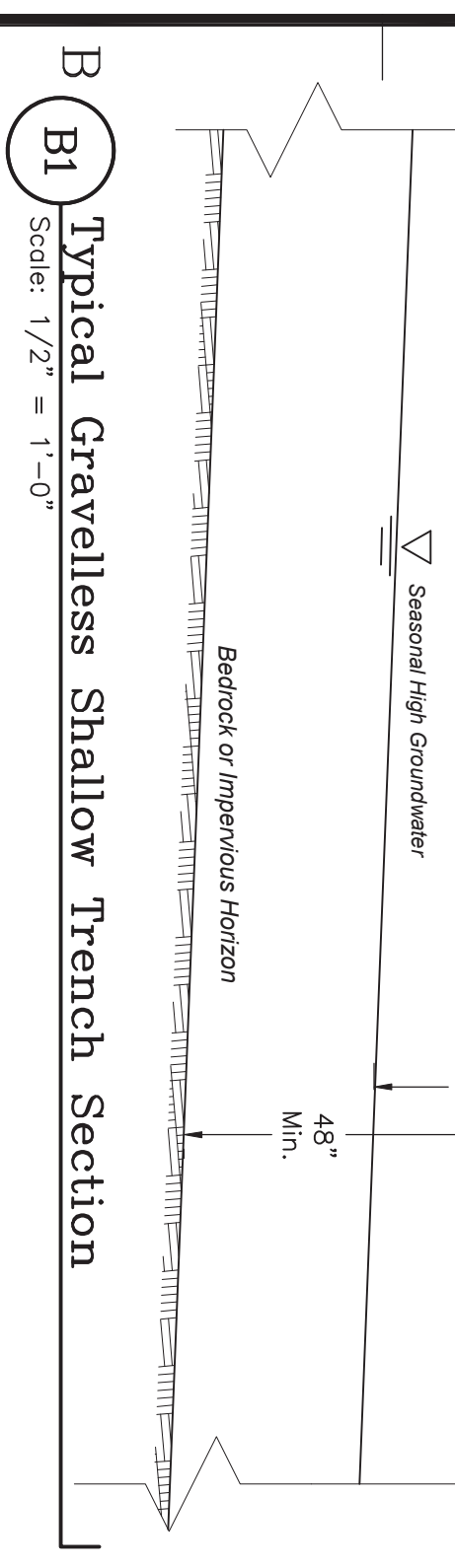
**F1** Typical Shallow Trench Absorption System Section  
Scale: 1/2" = 1'-0"



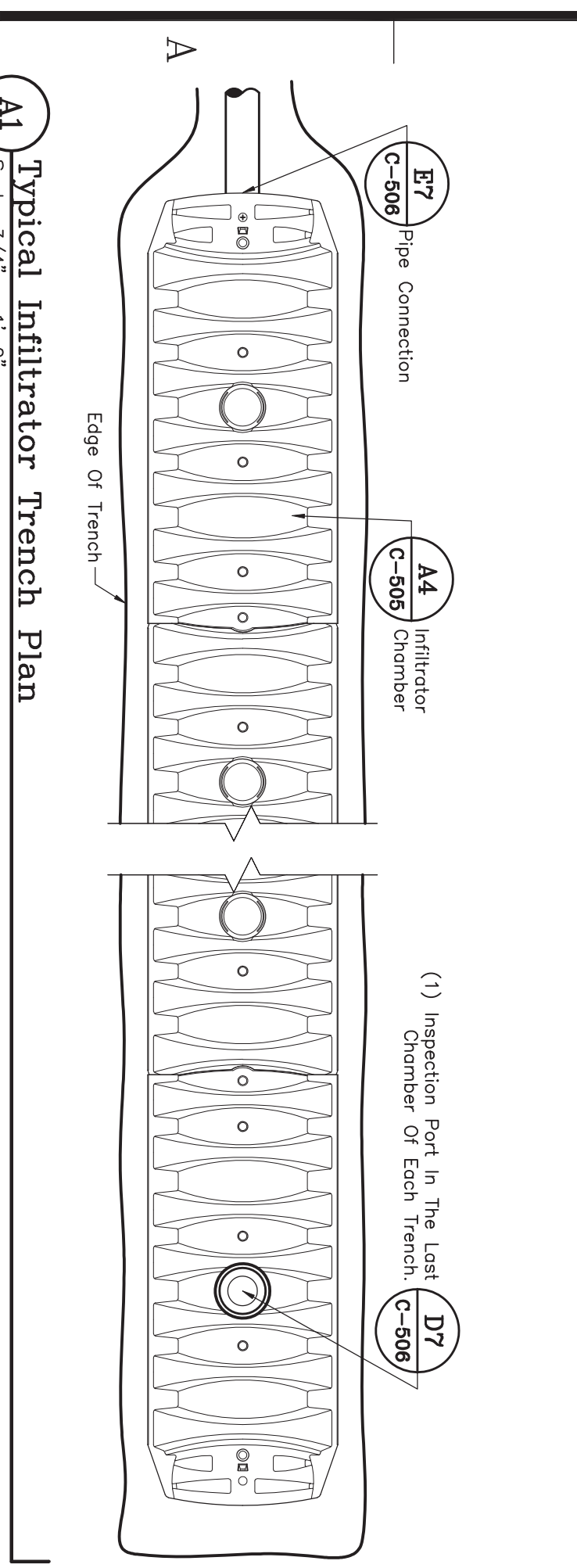
**E1** Typical Standard Trench Absorption System Section  
Scale: 1/2" = 1'-0"



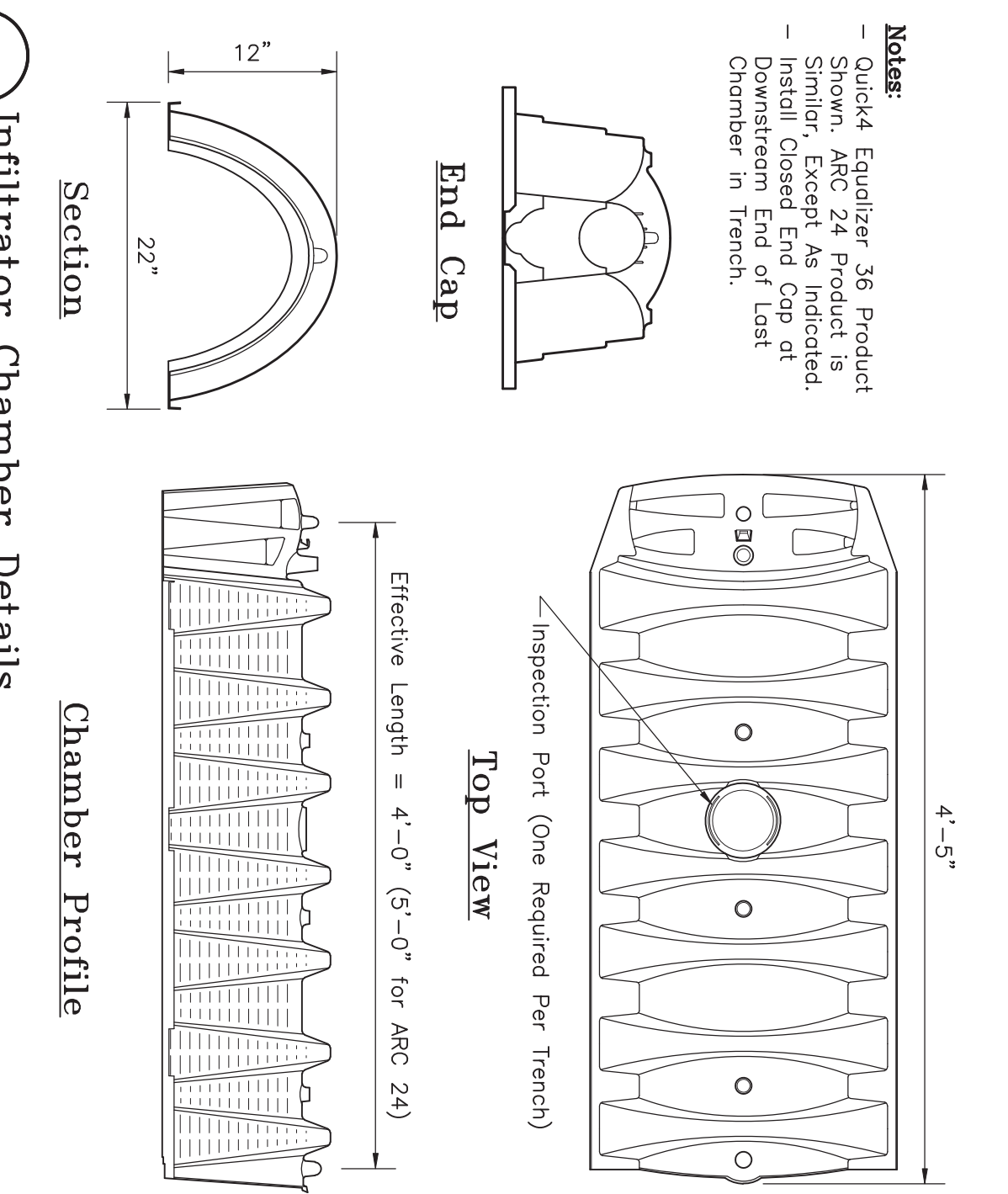
**C3** Typical Lateral Distribution For Systems On Grades Exceeding 8%  
Scale: 1/2" = 1'-0"



**B1** Typical Gravelless Shallow Trench Section  
Scale: 1/2" = 1'-0"



**A1** Typical Infiltrator Trench Plan  
Scale: 3/4" = 1'-0"



**A4** Infiltrator Chamber Details  
Scale: 1" = 1'-0"

**Note:**  
Section Shown For System With 4 Trenches. Refer To "Absorption Trench Requirements" For Total Trench Length Required and Recommended Layout.

**Site Preparation & Construction Notes**

Construction Techniques Must Not Compromise Integrity of the System. Heavy Construction Equipment is Not Allowed Within the Area of the System.  
All Trees, Stumps, and Other Vegetation Within the Area Shall Be Cut At Grade and Removed. Root Structure Below Grade Should Not Be Removed. Boulders and Other Obstructions Above Grade Shall Also Be Removed. The Underlying Soil Shall Be Undisturbed - Retooling Or Soil Sacrificing With Construction Equipment is NOT Recommended.  
For Standard Trench Installation, After Staking Locations, Excavate Trenches To Design Depth With Bottoms Level. Grade Trench Bottoms By Hand. Rake Bottoms and Sides and Place At Least 6" of Aggregate in Trenches. Complete Trench Construction as Shown in the Details. After Backfilling and Allowing For Settlement, Seed Area For Grass.  
Fill Soil For Shallow Trench Systems Shall Have a Percolation Rate Similar To, But Not Faster Than, That Of the Existing Usable Soil. Use the Design Percolation Rate Provided in the "Absorption System Design Criteria" Table For Guidance. Provide a Sandy Loam Soil. With No Rocks, Cobbles or Other Unusable Materials. Verify the Compatibility Of Fill Material Permeability With That of the Existing Usable Soil Through In Situ (at the Borrow Site) Perc Test Results for the Fill.  
Place Fill On Site Immediately After Site Preparation. Grade Slopes May Be Used To Define the Limits of Fill and Prevent Over-Expansion of Absorption Trenches. Fill Material Shall Be Carefully Picked Within the Absorption Area. Place Fill in Shallow Lifts and Compact to Appropriately the Same Density as the Undisturbed Borrow. Top of the Edges Form at Least Six (6) Feet Beyond Any Trench to Original Grade as Shown in the Drawings. Construct a Diversion Ditch or Swale and a Curtain Drain, on the Upland Side of the Fill Material. Finish the System to Prevent Surface Runoff From Entering the Fill. Construct the Shallow Trench System in the Fill Material and in Existing in situ Soil as Shown. Note that Trench Bottoms Must be Level and a Minimum of 2 Above Observed Seasonal High Ground Water and/or 4 Above Impervious/Restrictive Soil Horizon. Upon Completion, Seed Fill and Disturbed Areas for Grass.

**Absorption Trench Requirements**

Design Pipe Size (mm/in)	Number of Bedrooms			
	1-2	3	4	5
3-5	2 @ 50 LF	3 @ 50 LF	4 @ 50 LF	4 @ 50 LF
6-7	2 @ 55 LF	3 @ 55 LF	4 @ 55 LF	5 @ 55 LF
8-10	3 @ 45 LF	4 @ 50 LF	5 @ 50 LF	5 @ 50 LF
11-15	3 @ 50 LF	4 @ 55 LF	5 @ 55 LF	6 @ 55 LF
16-20	4 @ 50 LF	5 @ 55 LF	6 @ 55 LF	7 @ 55 LF
21-30	4 @ 55 LF	6 @ 55 LF	7 @ 55 LF	8 @ 55 LF
31-45	5 @ 55 LF	6 @ 55 LF	7 @ 55 LF	8 @ 55 LF

**Gravelless System Trenches**

Design Pipe Size (mm/in)	Number of Bedrooms			
	1-2	3	4	5
3-5	2 @ 35 LF	2 @ 45 LF	3 @ 55 LF	3 @ 55 LF
6-7	2 @ 45 LF	2 @ 50 LF	3 @ 55 LF	4 @ 55 LF
8-10	2 @ 50 LF	2 @ 55 LF	3 @ 55 LF	4 @ 55 LF
11-15	2 @ 55 LF	3 @ 55 LF	4 @ 55 LF	5 @ 55 LF
16-20	3 @ 50 LF	3 @ 55 LF	4 @ 55 LF	5 @ 55 LF
21-30	3 @ 55 LF	4 @ 55 LF	5 @ 55 LF	6 @ 55 LF
31-45	4 @ 55 LF	5 @ 55 LF	6 @ 55 LF	7 @ 55 LF

**Notes:**  
- All Recommended Layouts are Based on Gravity-Dosed Systems Where No Trench May Be Longer Than 60 LF.  
- For Pump Dosed Systems, Maximum Trench Length Permitted is 100 LF.  
- Recommended Layouts For Gravelless Trenches are Based on Gravity-Dosed Systems and Effective Chamber Lengths of 5 Ft. Each.

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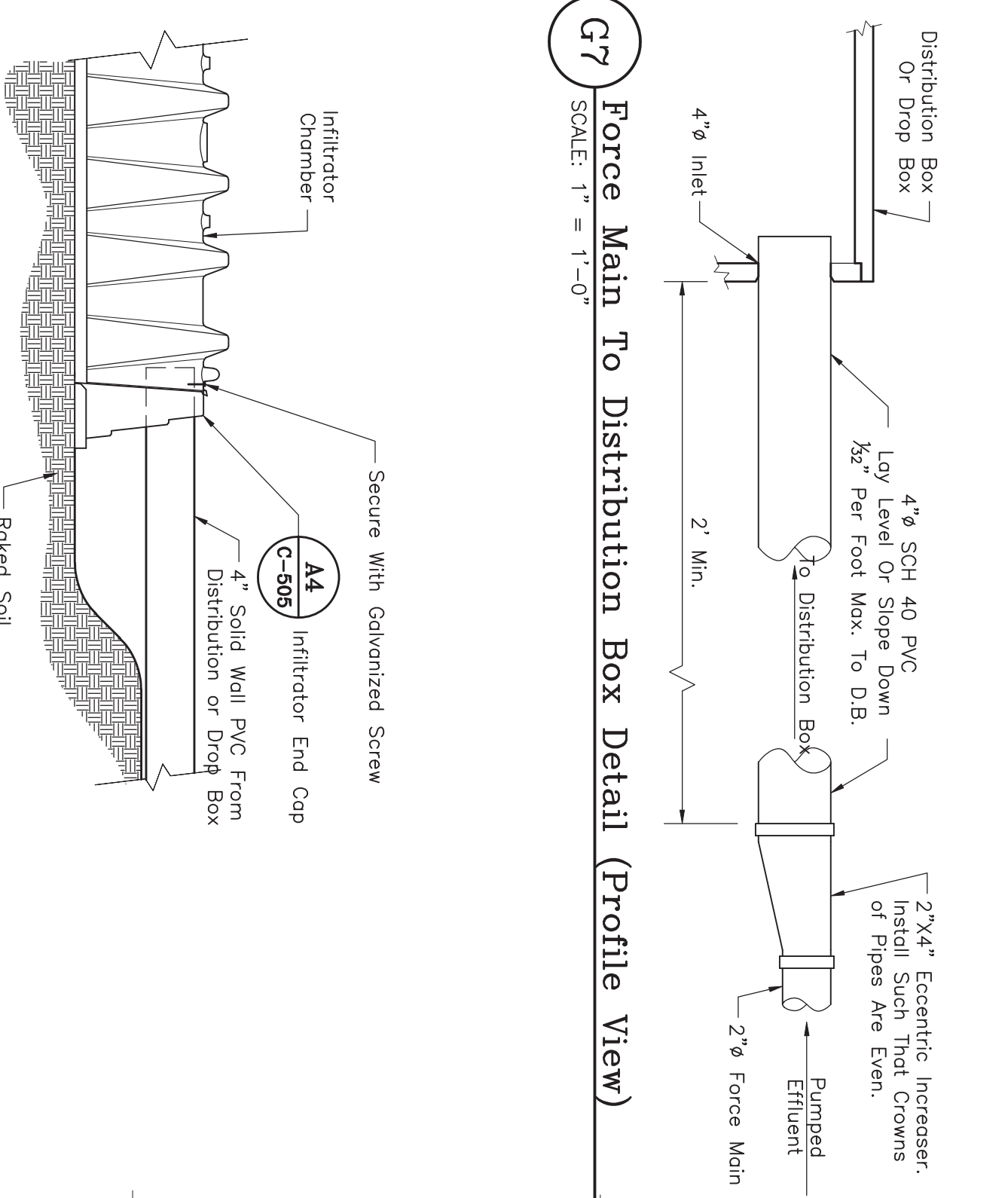
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Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
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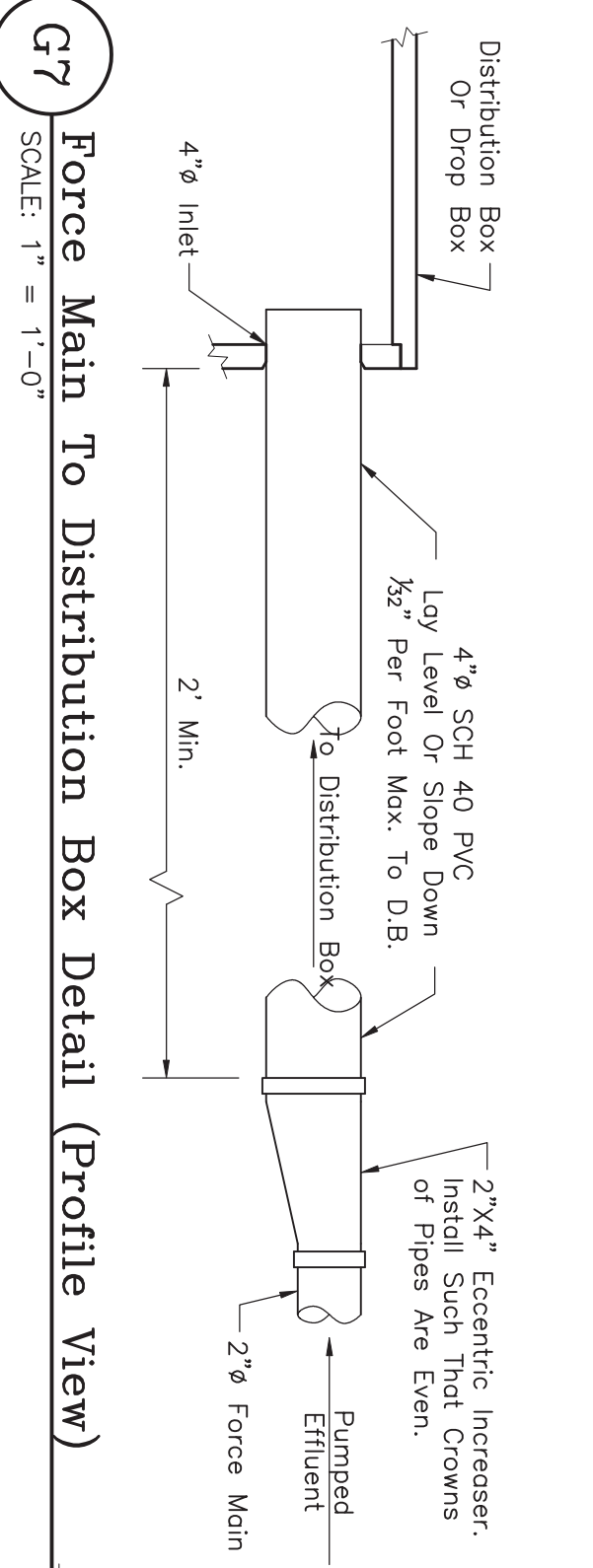
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SHEET NAME: Onsite Wastewater System Absorption Trench Requirements, Sections, Details & Specifications

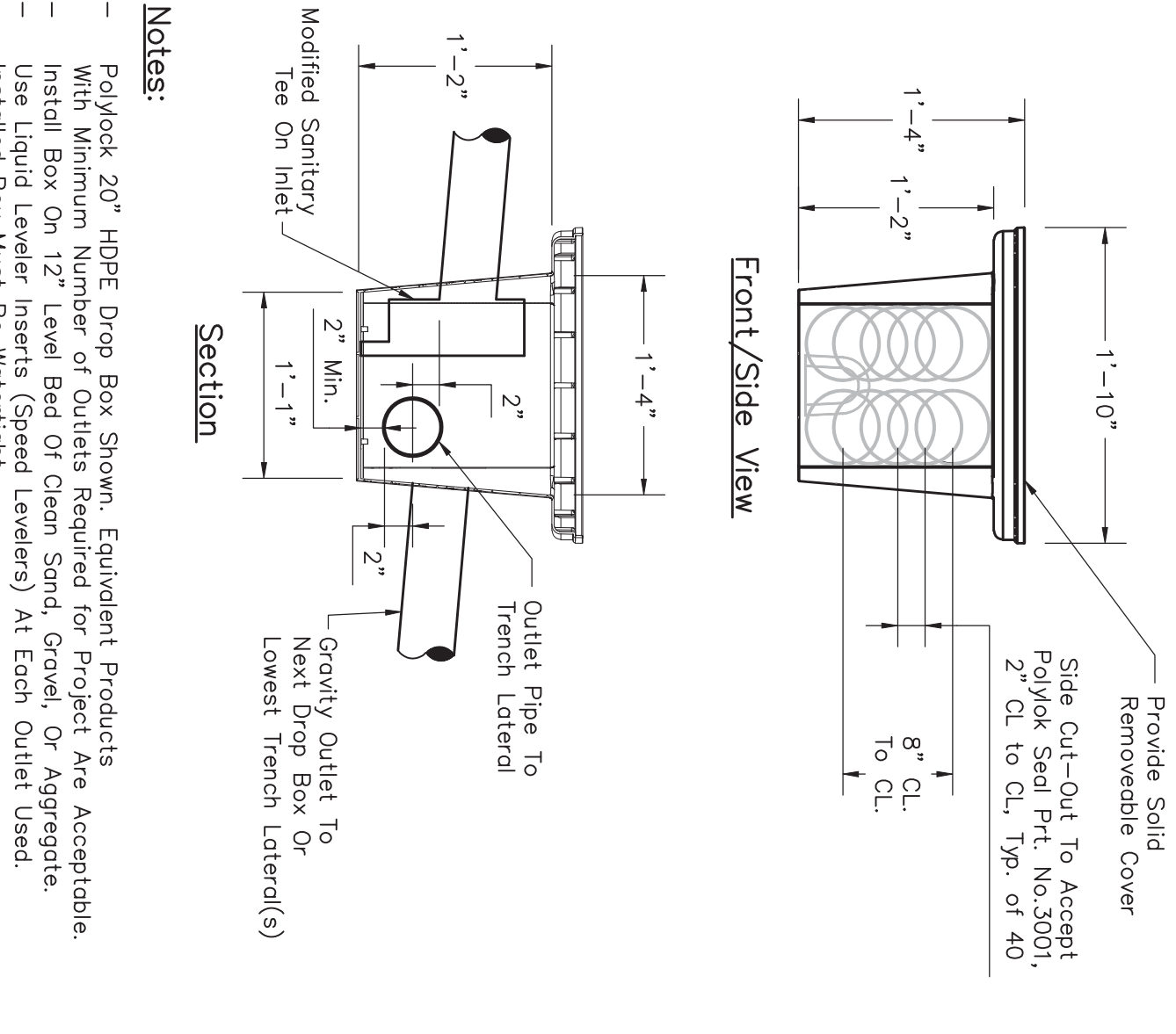
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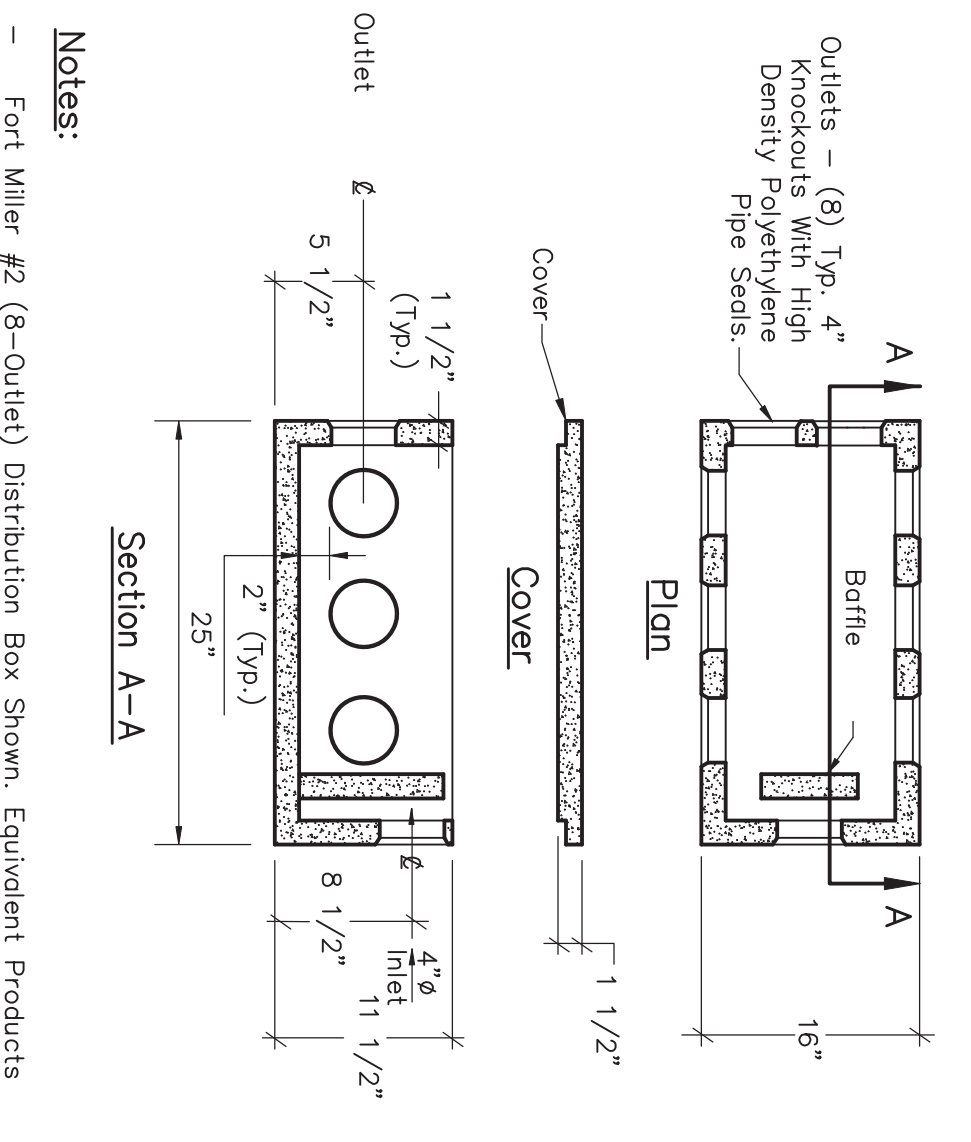
**E7** Pipe to Chamber Connection Detail  
SCALE: 1" = 1'-0"



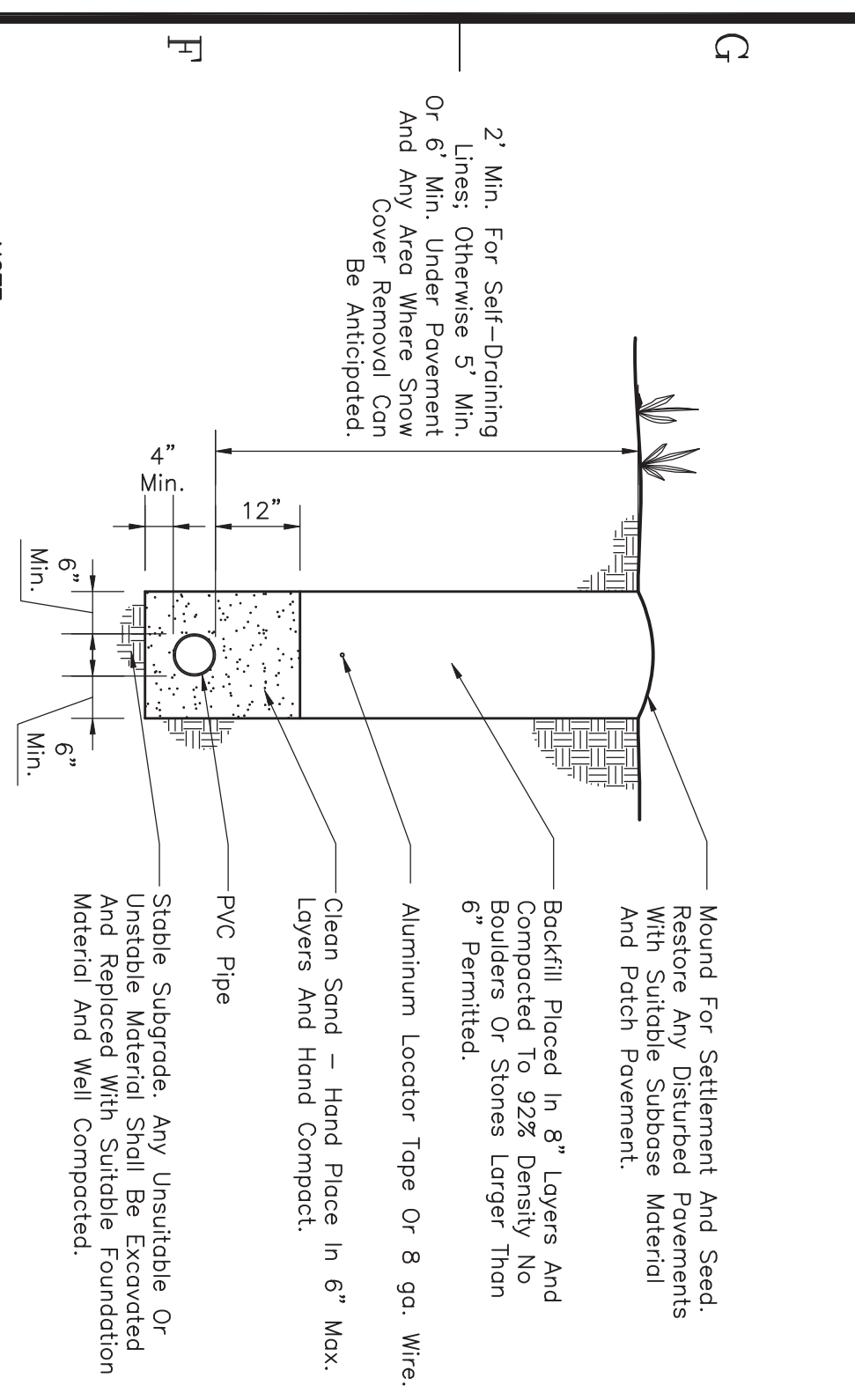
**G7** Force Main to Distribution Box Detail (Profile View)  
SCALE: 1" = 1'-0"



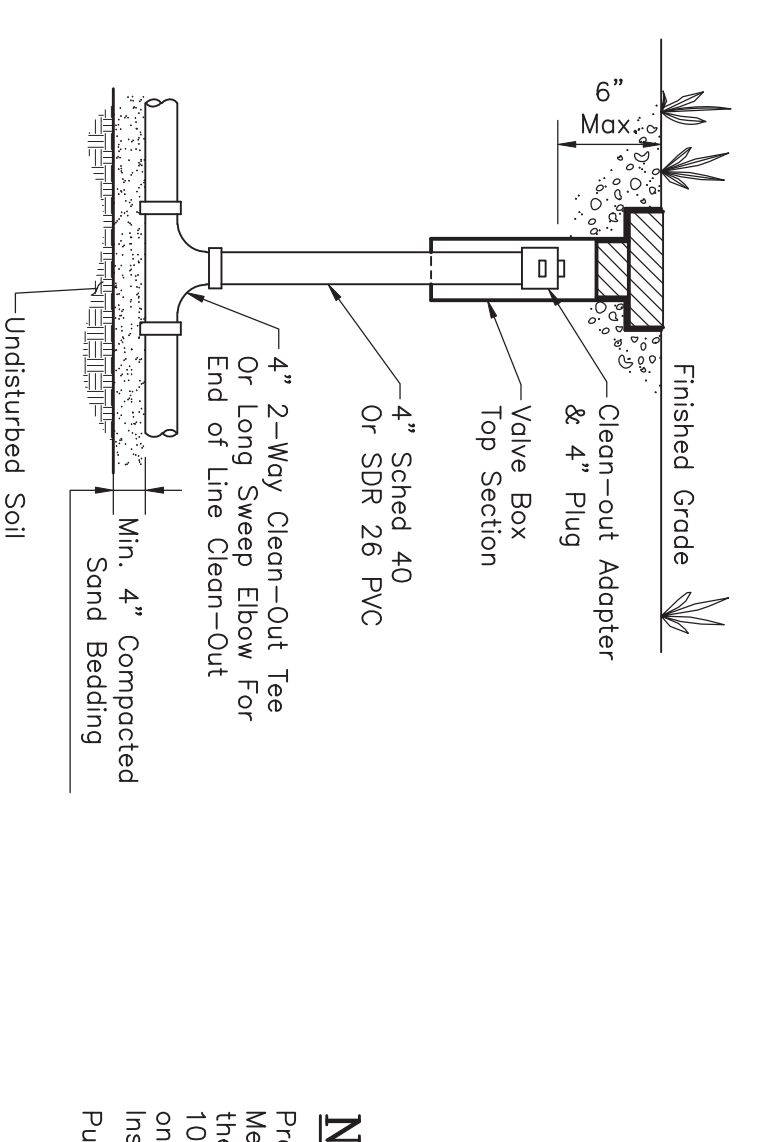
**E6** Drop Box Detail  
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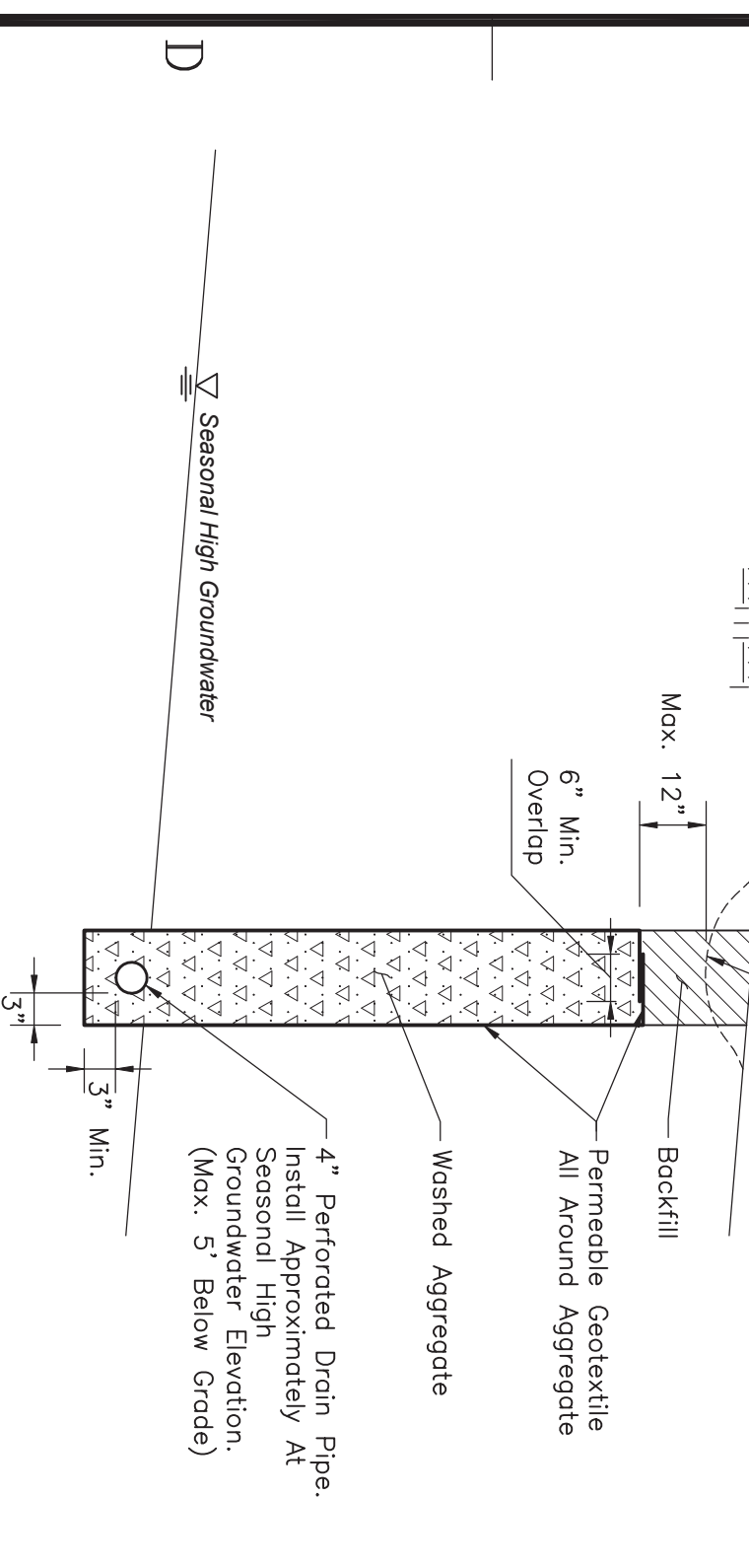
**F4** Distribution Box Detail  
SCALE: 1" = 1'-0"



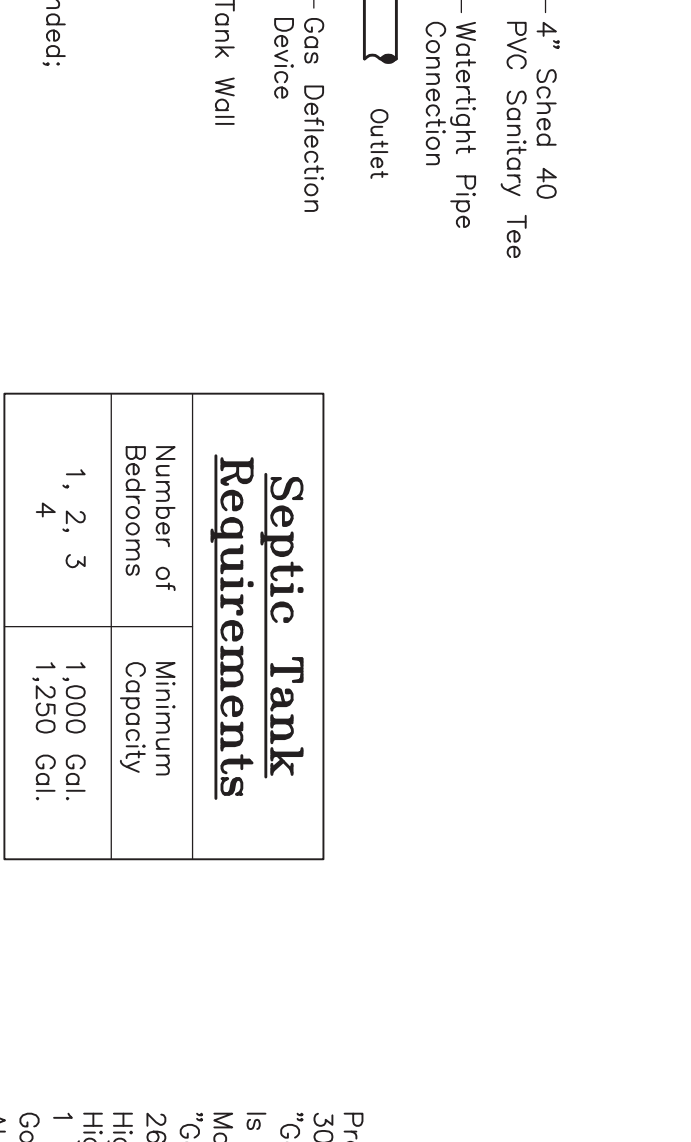
**F1** Typical Sewage Pipe Trench and Bedding Detail  
Not To Scale



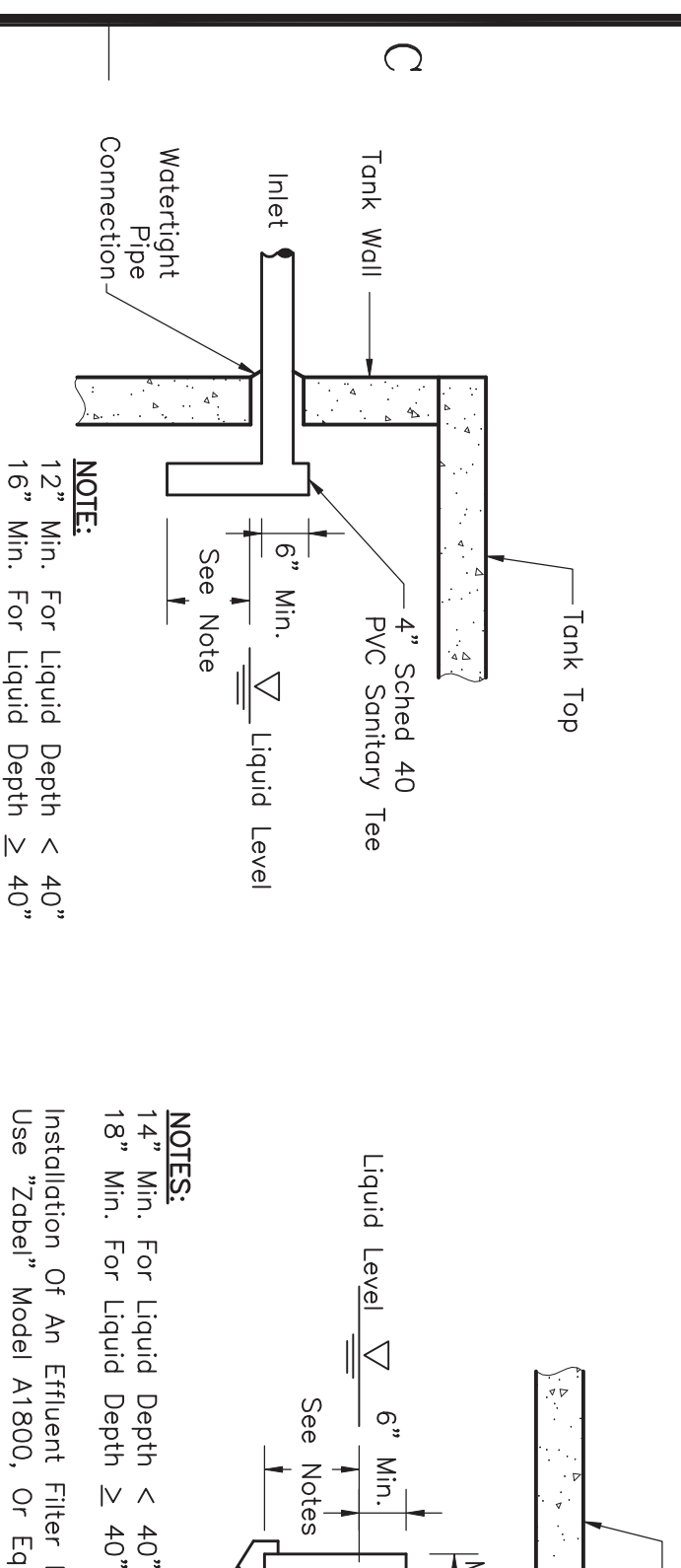
**D4** Cleanout Detail  
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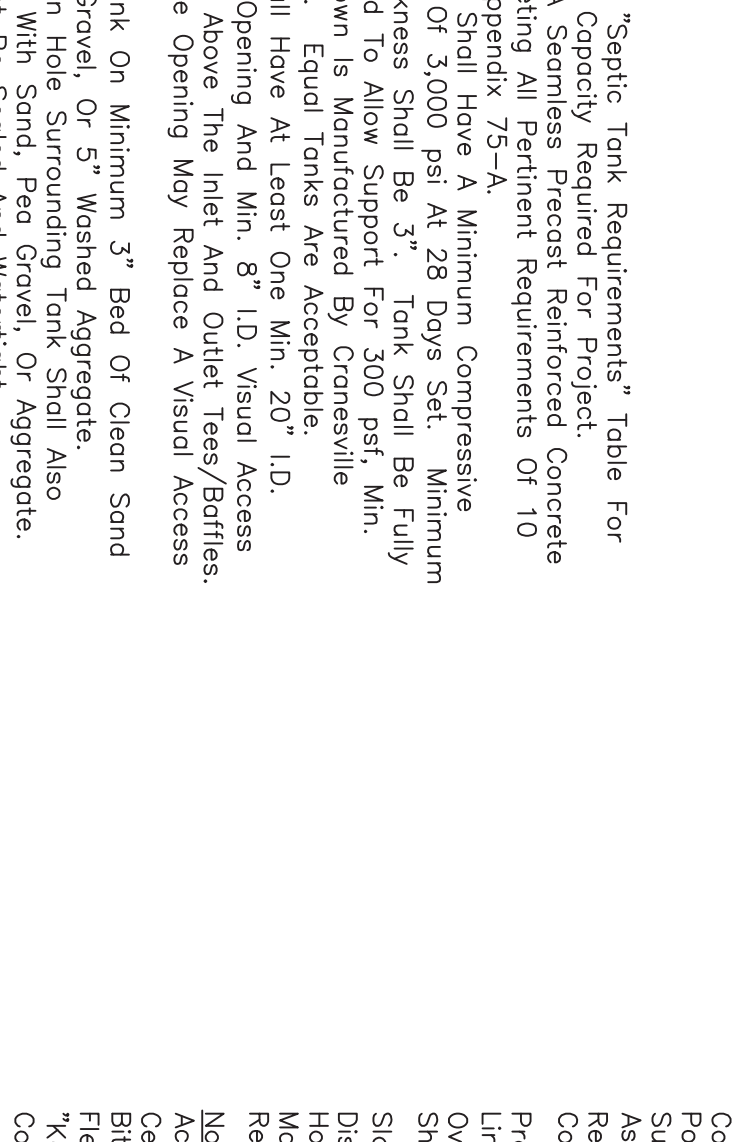
**D1** Typical Curtain Drain Detail  
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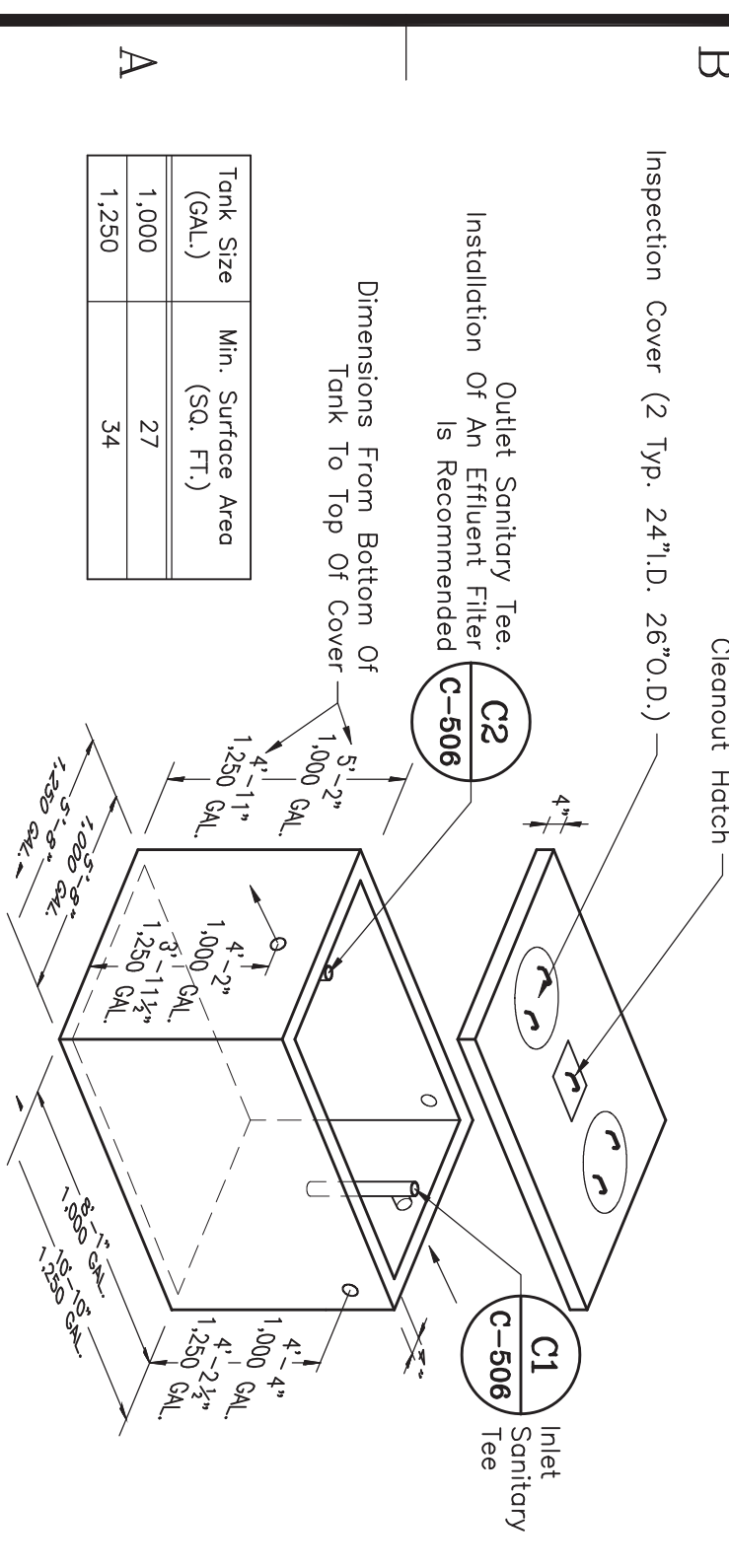
**C2** Outlet Tee Detail  
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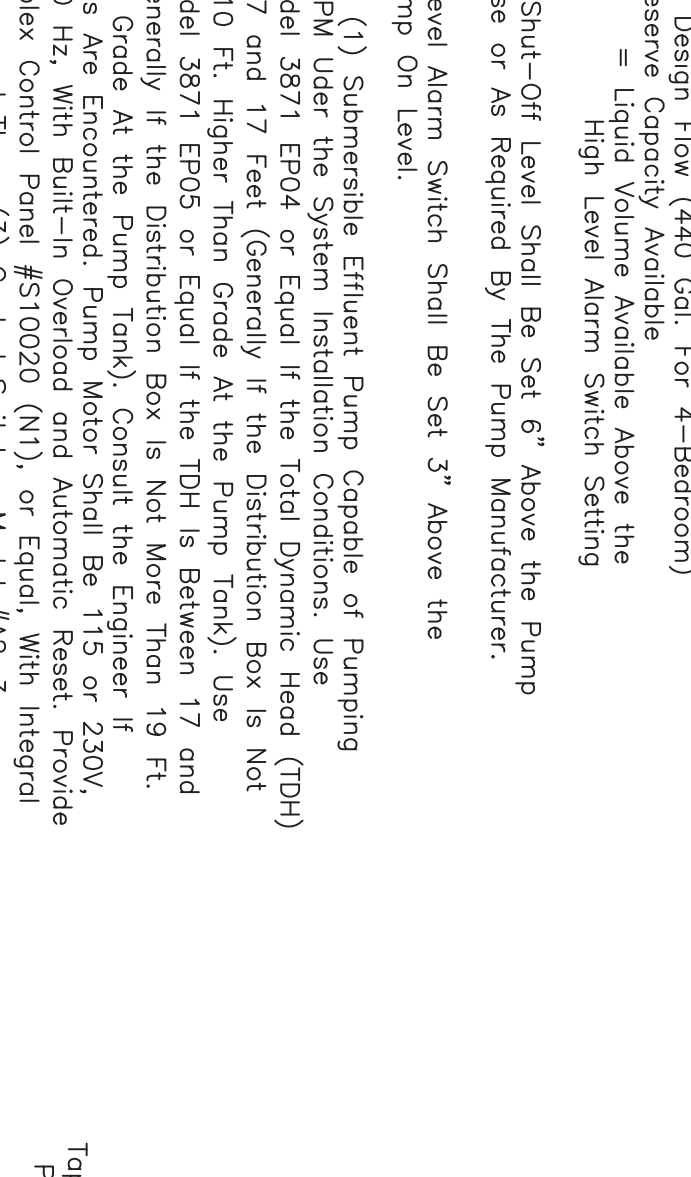
**C1** Inlet Tee Detail  
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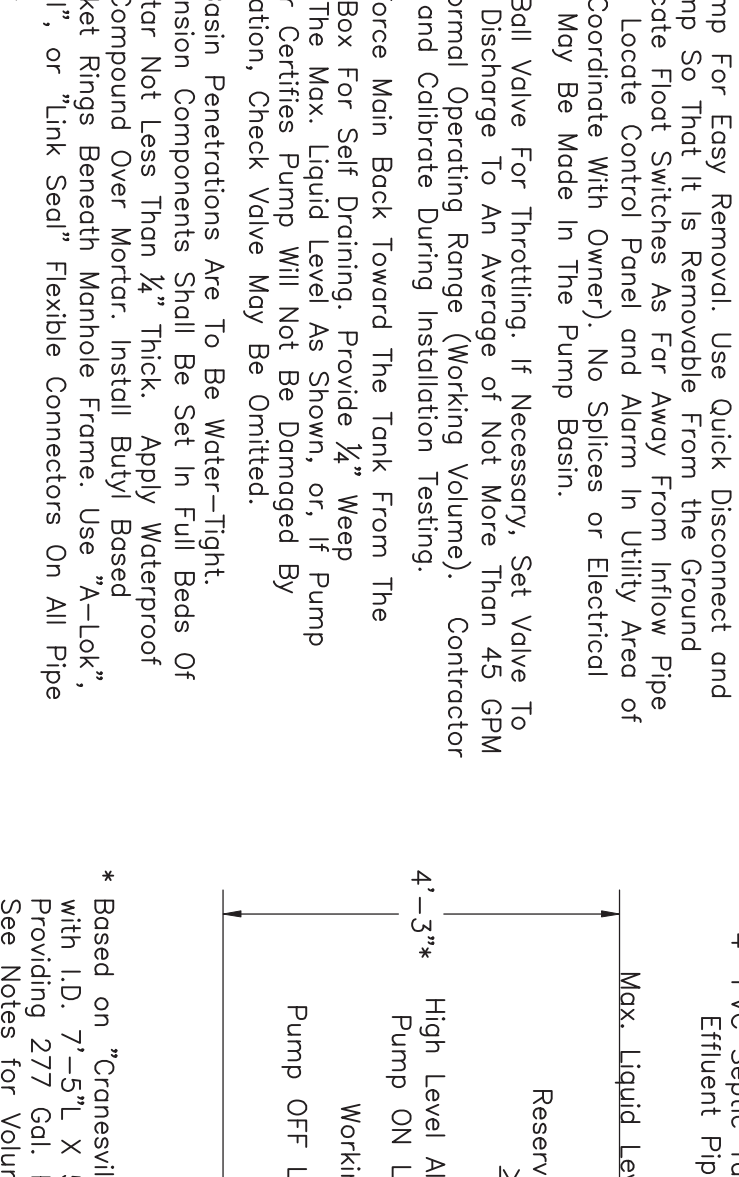
**A1** Septic Tank Detail  
SCALE: 1/4" = 1'-0"



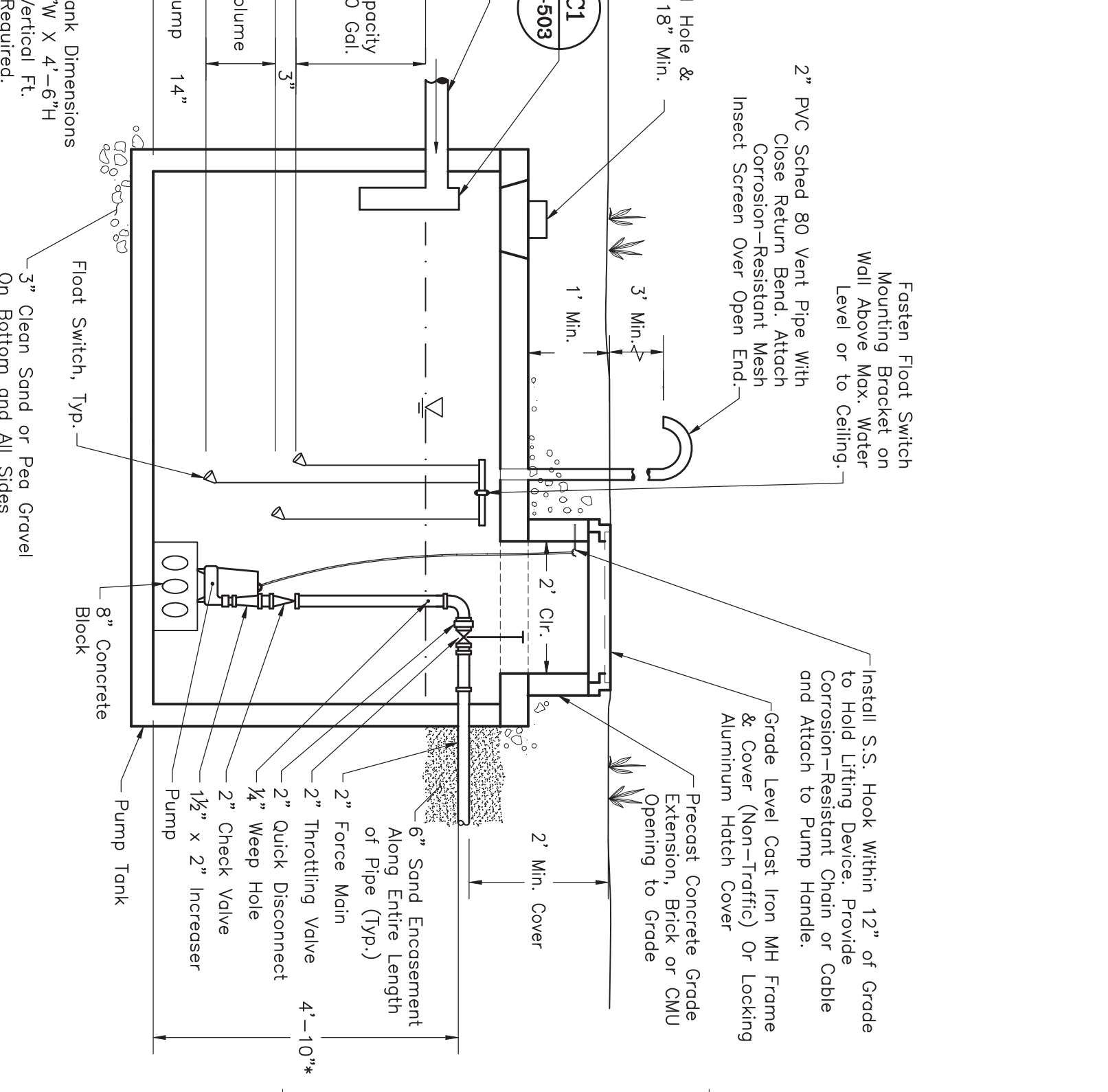
**B** Inspection Cover (2 Typ. 24\"/>



**D7** Infiltrator Trench Inspection Port Detail  
SCALE: 1" = 1'-0"



**A5** Typical Pump Tank Detail  
SCALE: 1/2" = 1'-0"



**A** Septic Tank System  
SCALE: 1/4" = 1'-0"

No.	Revisions	Date
1	Revision Schedule	04/02/17
2	Construction Drawing	04/02/17
3	Agency Review Drawing	01/28/20
4	Drawing Log	

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Checked: BCT

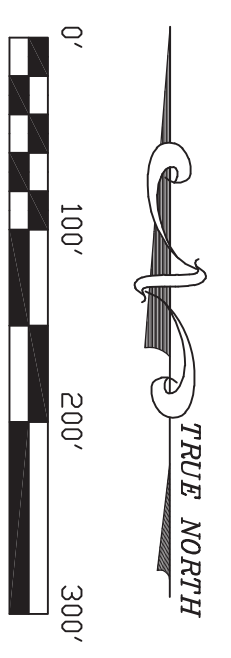
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SHEET NAME  
Onsite Wastewater System  
Septic Tank, Pump Tank,  
& Miscellaneous Details  
PAGE:  
**C-506**

1 Utility Plan Lots 1, 2, 3 (Partial), 4, 18, 19, 20

Scale: 1" = 100'

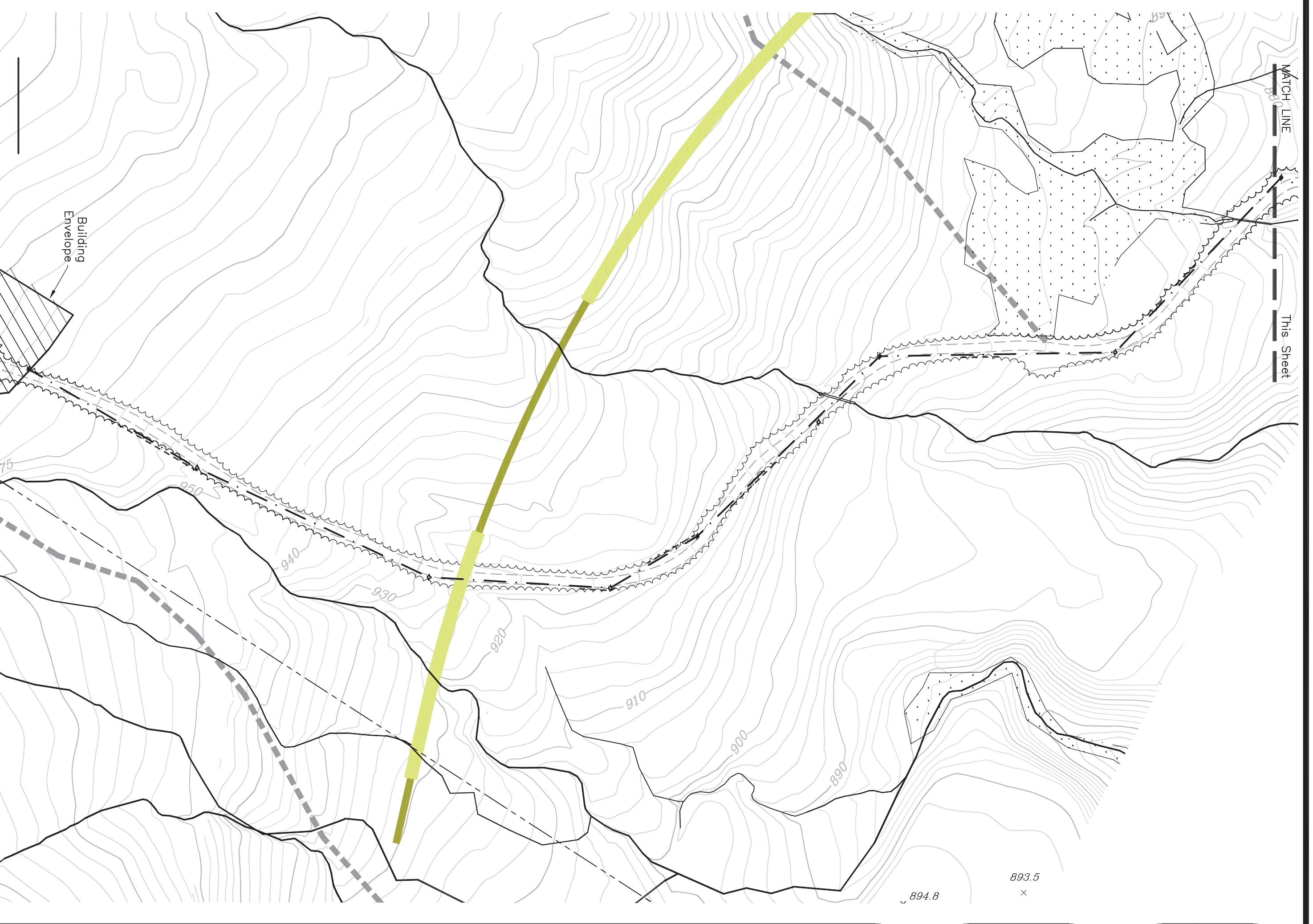


**Legend**

- Overhead Utilities Distribution Lines
- - - Overhead Utilities Service Lines
- - - Buried Utilities Service Lines
- ◊ Utility Pole
- - - Limits of Vegetative Clearing
- - - Construction Limits of Disturbance
- - - Property, Easement, or Right-of-Way Line

2 Utility Plan Lot 3 (Partial)

Scale: 1" = 100'



MATCH LINE This Sheet

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25 WEST FULTON STREET  
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(518) 723-1833

Woodward Lake  
Properties, LLC  
Woodward Lake Subdivision  
Towns of Northampton & Mayfield  
Fulton County, NY

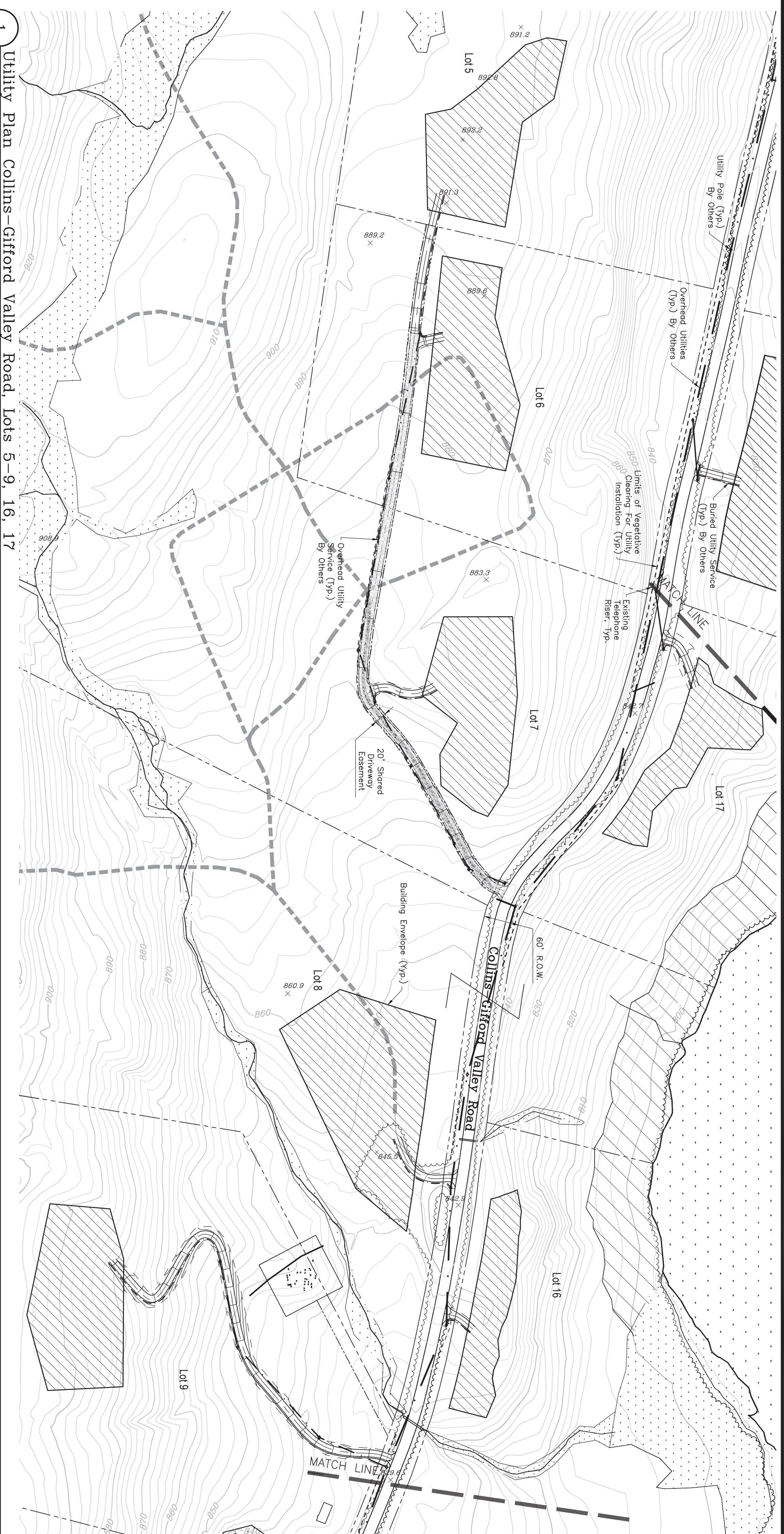
Revised	10/08/20
No.	Date
Revision Schedule	
Description	
Construction Drawing	10/08/20
Agency Review Drawing	10/24/20
Drawing Log	
DRAWN	
BY	

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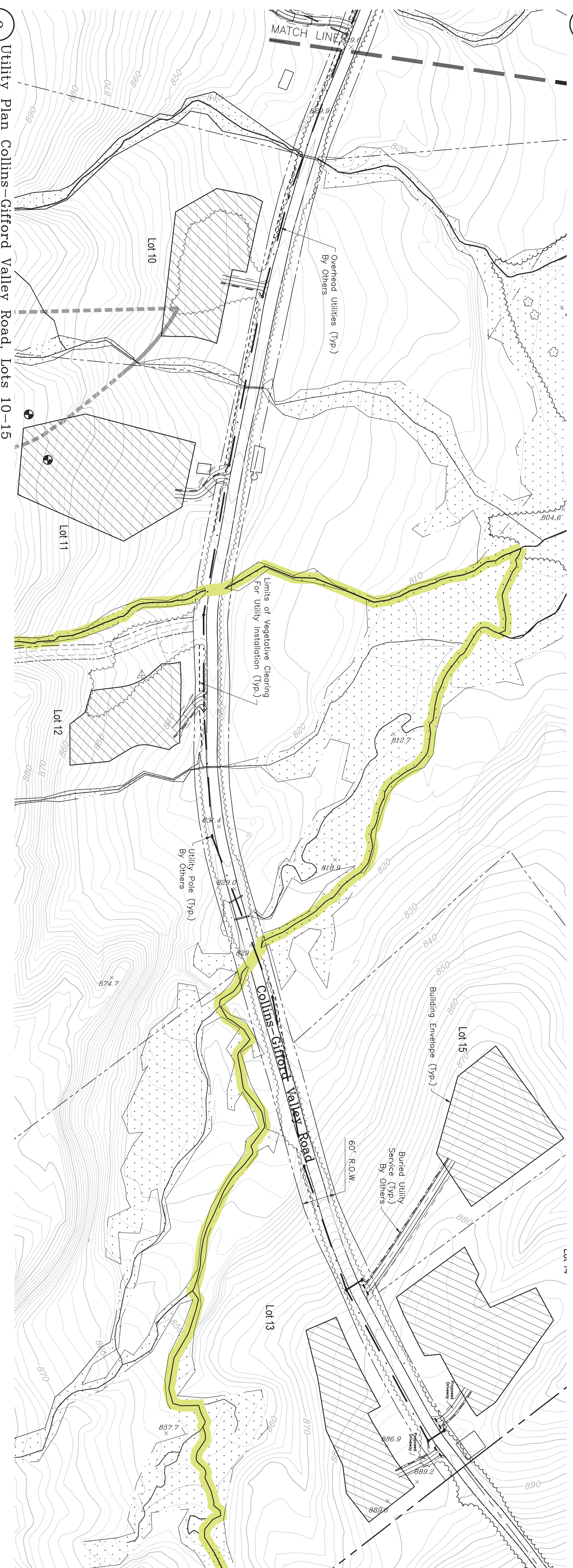
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SHEET NAME  
APA Subdivision Application  
Utility Plan  
Collins Gifford Valley Road,  
Lots 1-4 & 18-20

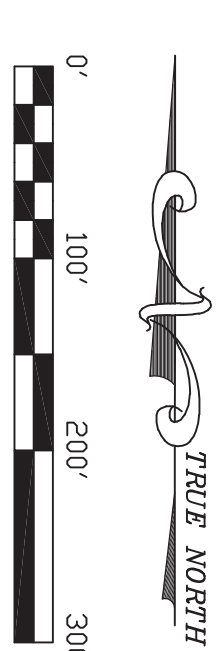
PAGE:  
**E-101**



1 Utility Plan Collins-Gifford Valley Road, Lots 5-9, 16, 17  
Scale: 1" = 100'



2 Utility Plan Collins-Gifford Valley Road, Lots 10-15  
Scale: 1" = 100'



Legend	
	Overhead Utilities Distribution Lines
	Overhead Utilities Service Lines
	Buried Utilities Service Lines
	Utility Pole
	Limits of Vegetative Clearing
	Construction Limits of Disturbance
	Property Easement, or Right-of-Way Line

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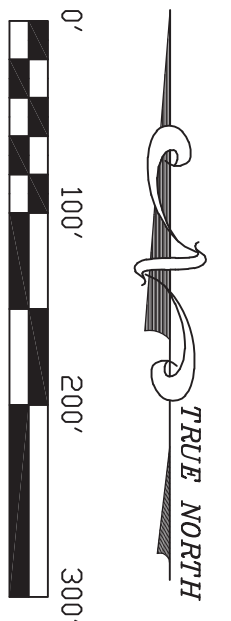
No.	Description	W/D/Y/M	Date
1	Revision Schedule		
	Construction Drawing	W/D/Y/M	
	Agency Review Drawing	01/24/23	
	Drawing Log		

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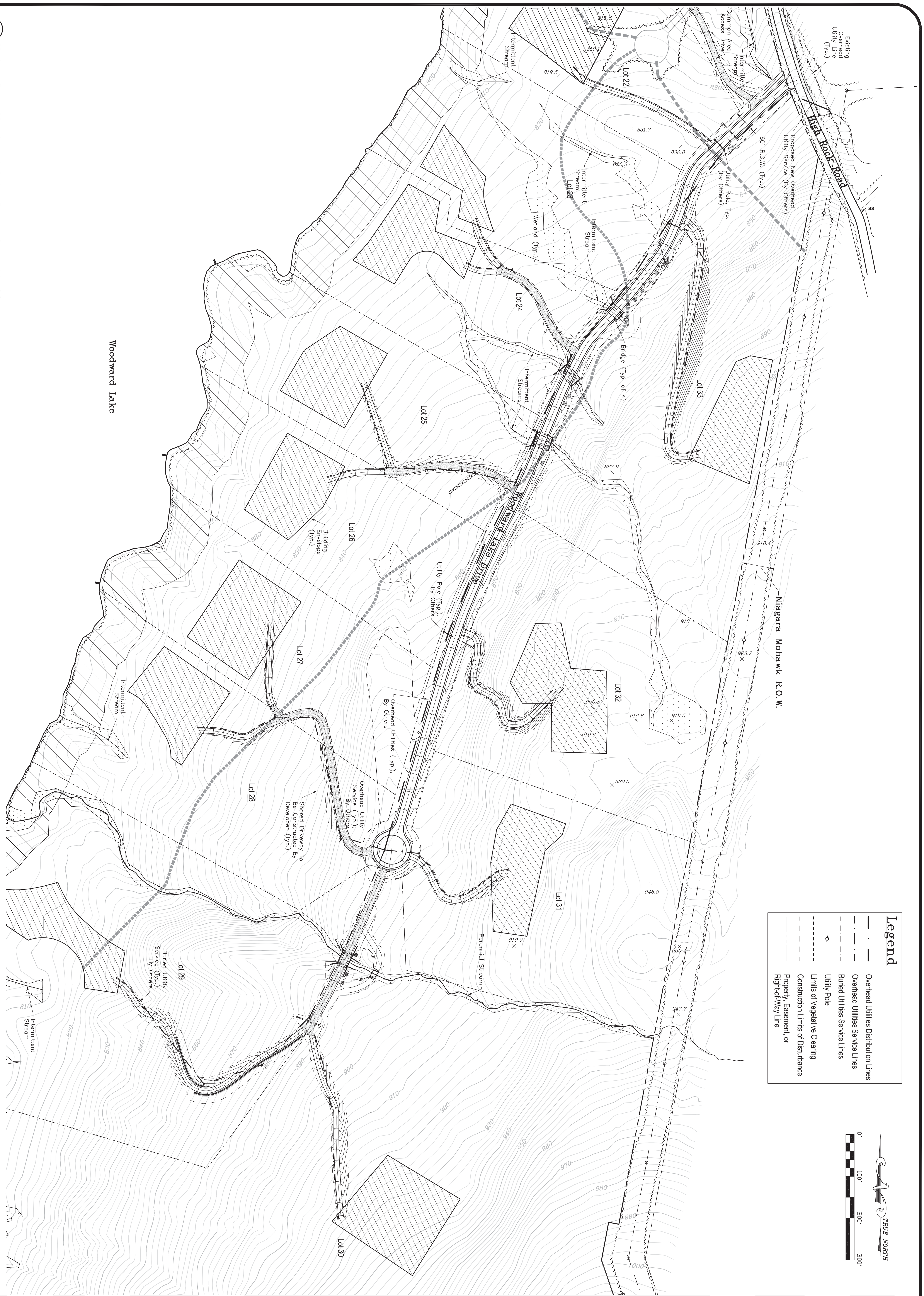
SHEET NAME:  
APA Subdivision Application  
Utility Plan  
Collins-Gifford Valley Road,  
Lots 5-17

PAGE:  
**E-102**



**Legend**

- Overhead Utilities Distribution Lines
- - - Overhead Utilities Service Lines
- - - Buried Utilities Service Lines
- ◊ Utility Pole
- - - Limits of Vegetative Clearing
- - - Construction Limits of Disturbance
- - - Property, Easement, or Right-of-Way Line



No.	Revised	By	Date
1	10/08/20	SM	

Revision Schedule

Description	Date
Construction Drawing	10/08/20
Agency Review Drawing	01/24/23

Drawing Log

DRAWN BY: SM  
DATE: 10/08/20

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SHEET NAME:  
APA Subdivision Application  
Utility Plan  
Woodward Lake Drive,  
Lots 22-33