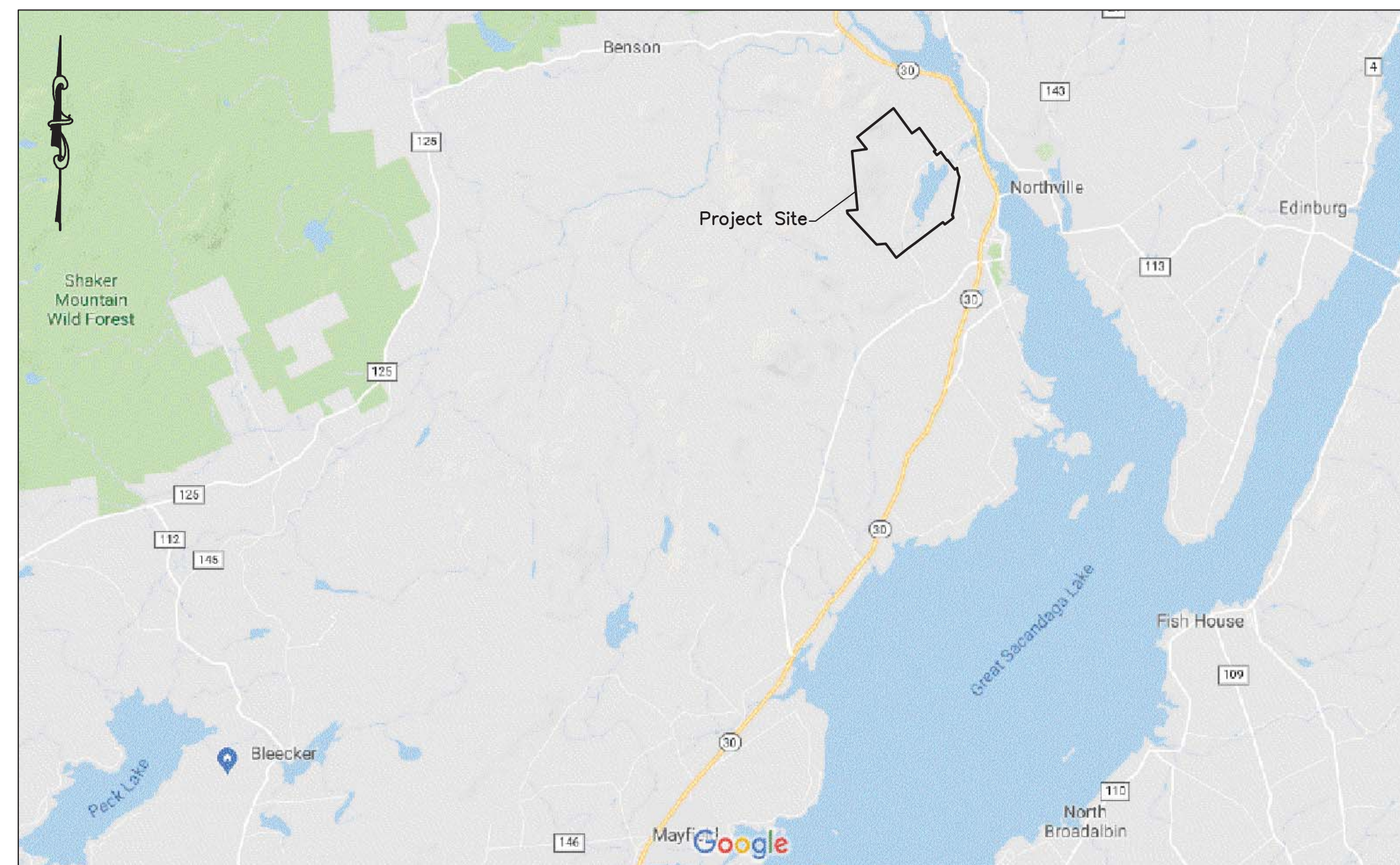


Woodward Lake Subdivision

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 & Specs.
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

No.	Description	Date
	Drawing Index Updated	10/09/20
Revision Schedule		
APA Review Set, Project #A2018-0123		
01/24/20		

Drawing Set Log

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINTS
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

CIVIL & ARCHITECTURAL
ENGINEERING

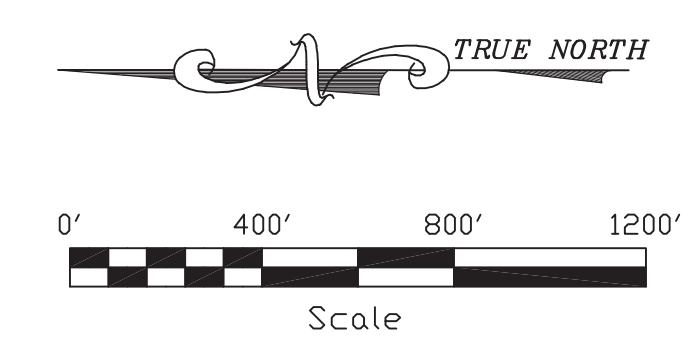
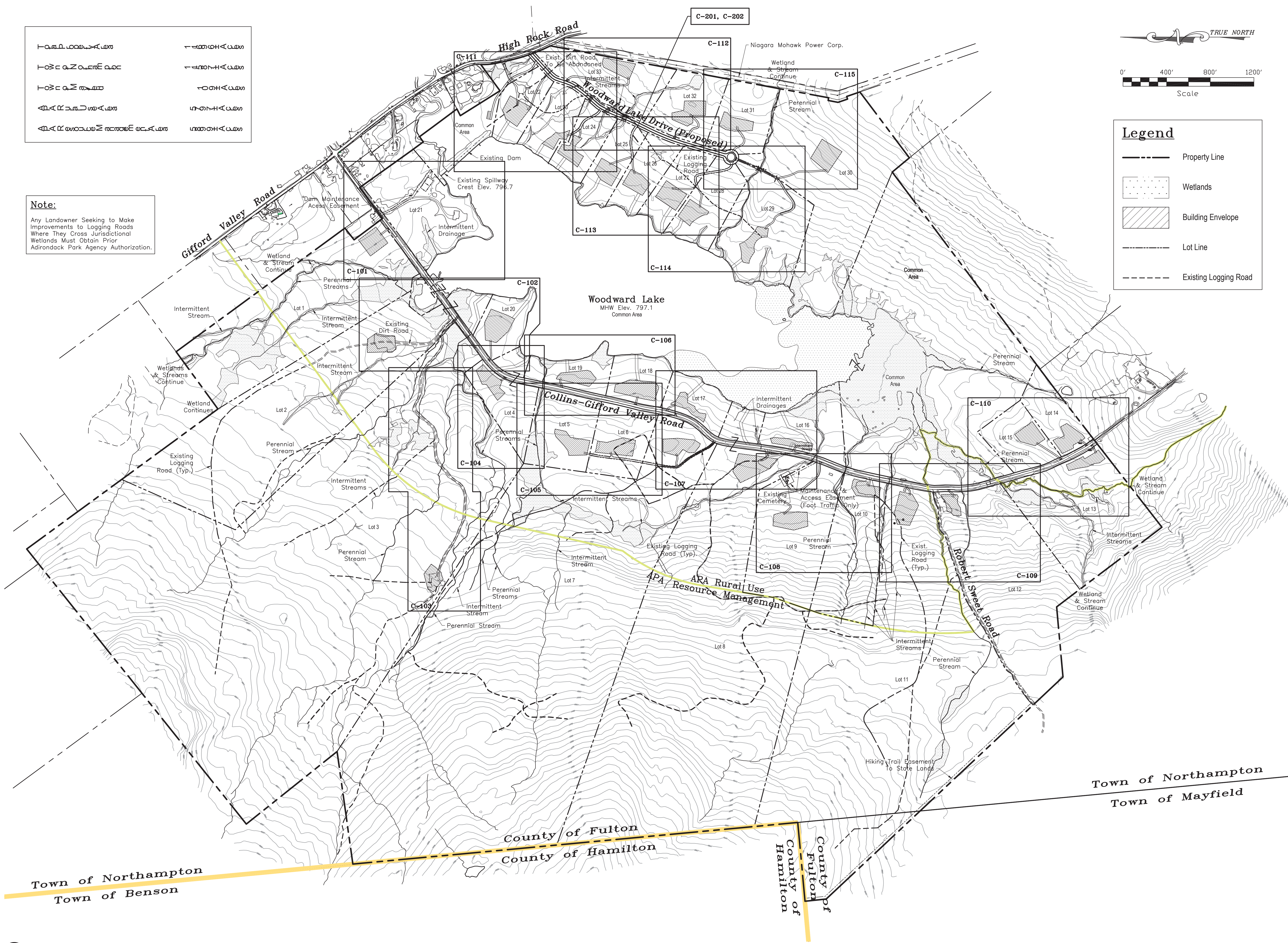
STEVEN E. SMITH

25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078

(518) 725-1555
SMITHPE@CITLINK.NET

100' Contour Lines	100' Contour Lines
50' Contour Lines	50' Contour Lines
25' Contour Lines	25' Contour Lines
10' Contour Lines	10' Contour Lines
5' Contour Lines	5' Contour Lines

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	[Stippled Pattern]
Building Envelope	[Hatched Pattern]
Lot Line	-----
Existing Logging Road	- - - - -

CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

△	Revised Subdivision Plan	09/15/20
△	Added Note Regarding Improvements to Logging Roads	08/24/20
△	Added Existing Logging Road on Lot 7	08/24/20
△	Revised Sheet Layout	06/17/20
No.	Description	Date
Revision Schedule		
Construction Drawing	MM/DD/YY	
Agency Review Drawing	01/24/20	
Drawing Log		
DRAWN BY:		

Copyright by Steven E. Smith, 2020
All Rights Reserved

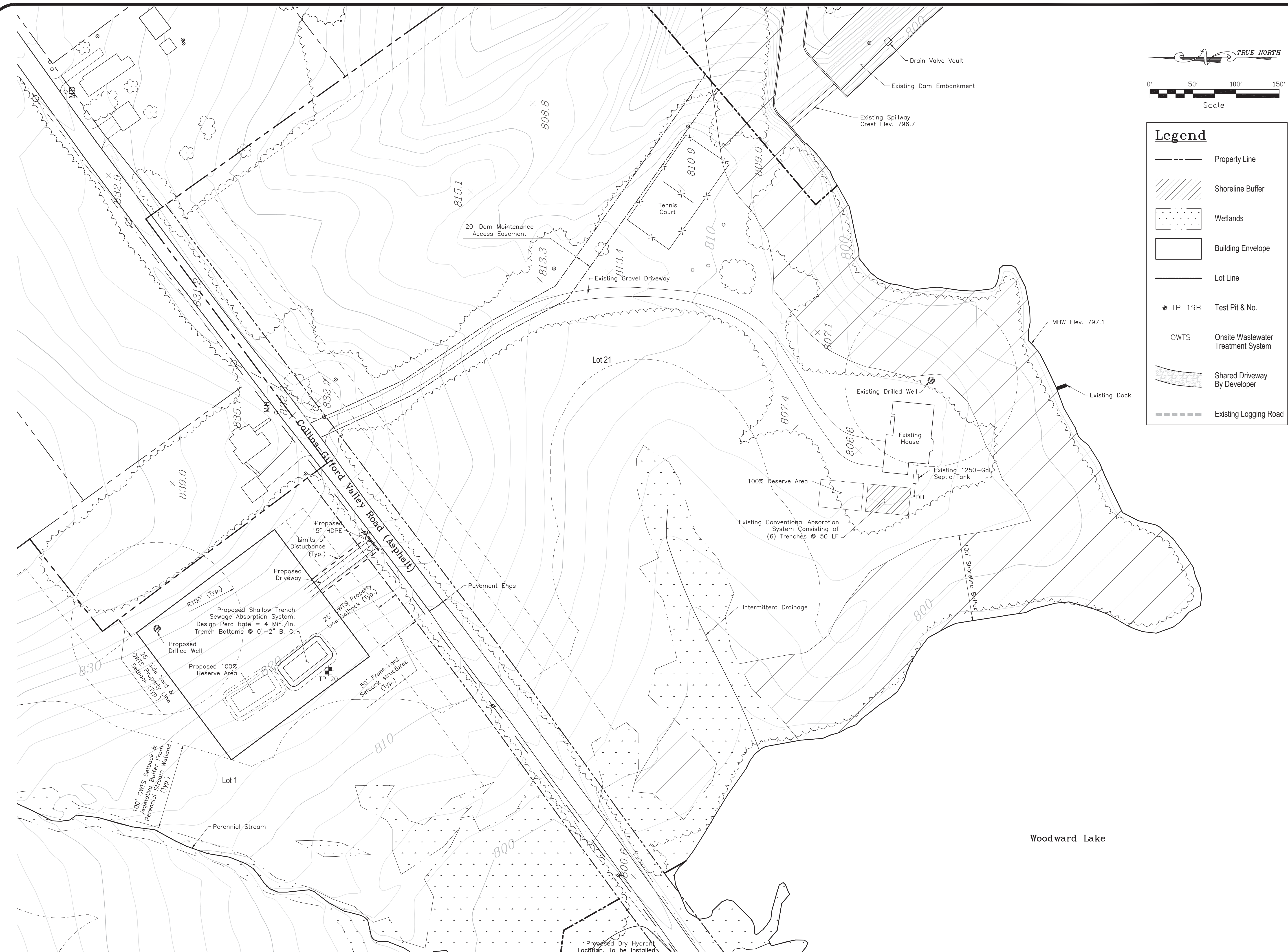
PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application

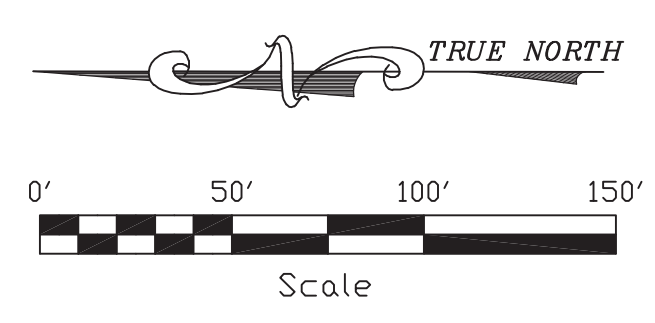
General Subdivision Plan
& Site Plan Sheet Index

PAGE:
G-101



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

No.	Description	MM/DD/YY
Revision Schedule		
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
Drawing Log		

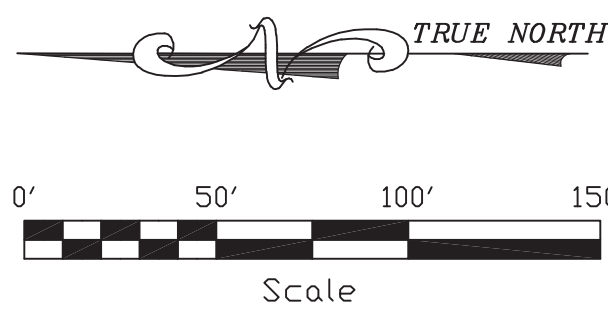
DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application
Site Plans
Lots 1, 21

PAGE:
C-101



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

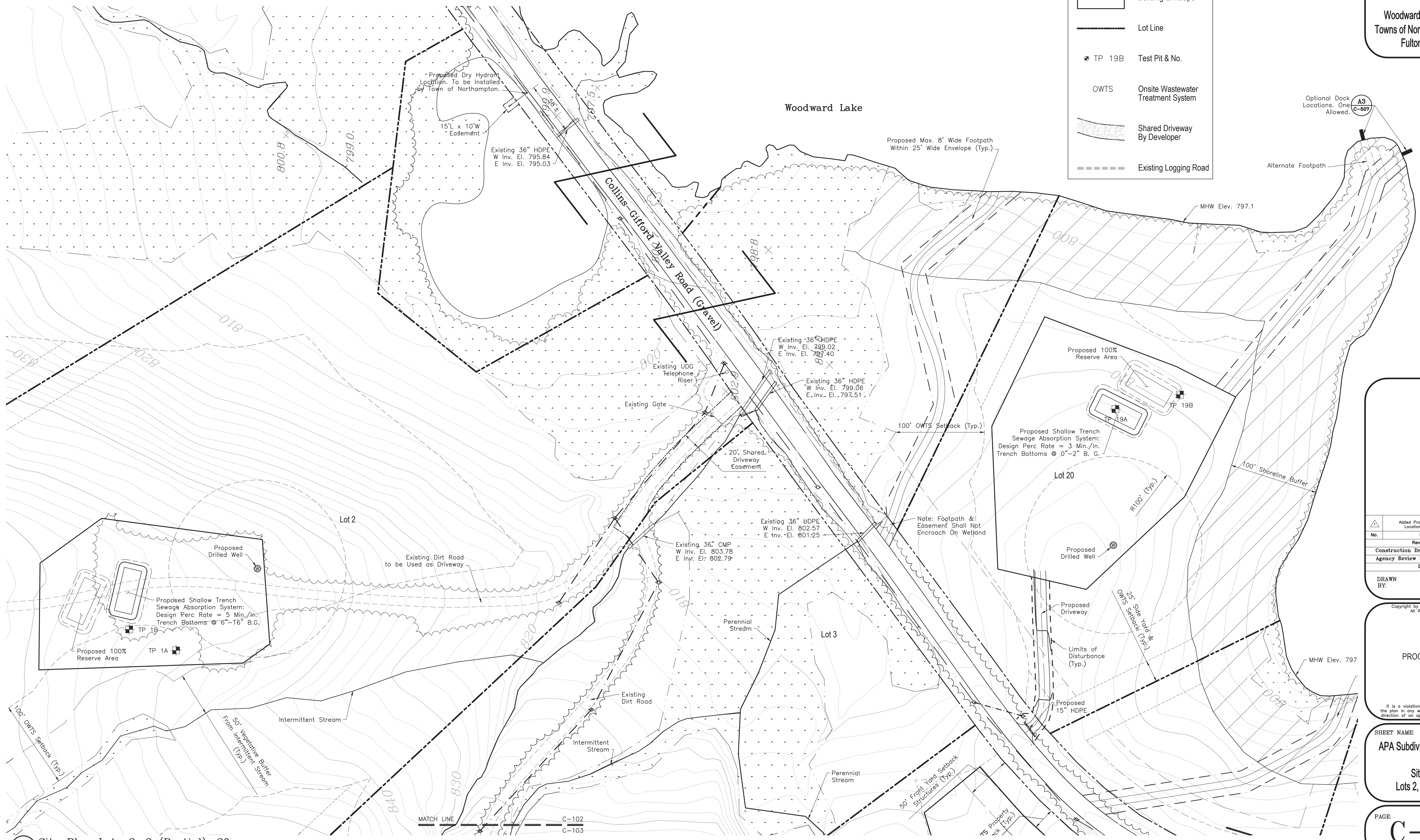
CIVIL & ARCHITECTURAL
ENGINEERING

STEVEN E. SMITH, P.E.

25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

Woodward Lake
Properties, LLC

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



	Add Proposed Dry Hydrant Location and Easement	09/09/20
No.	Description	
Revision Schedule		
	Construction Drawing	MM/06/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application

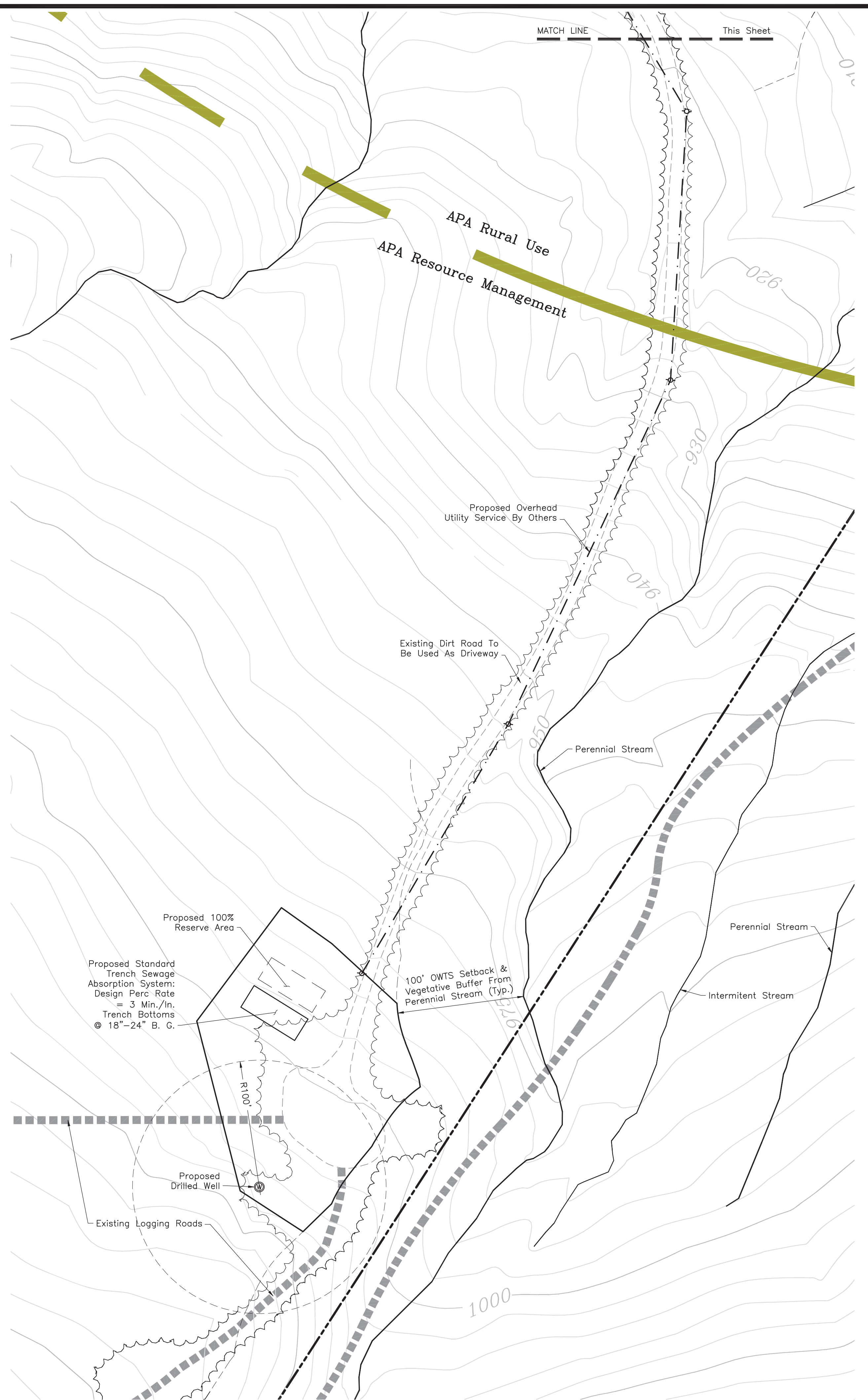
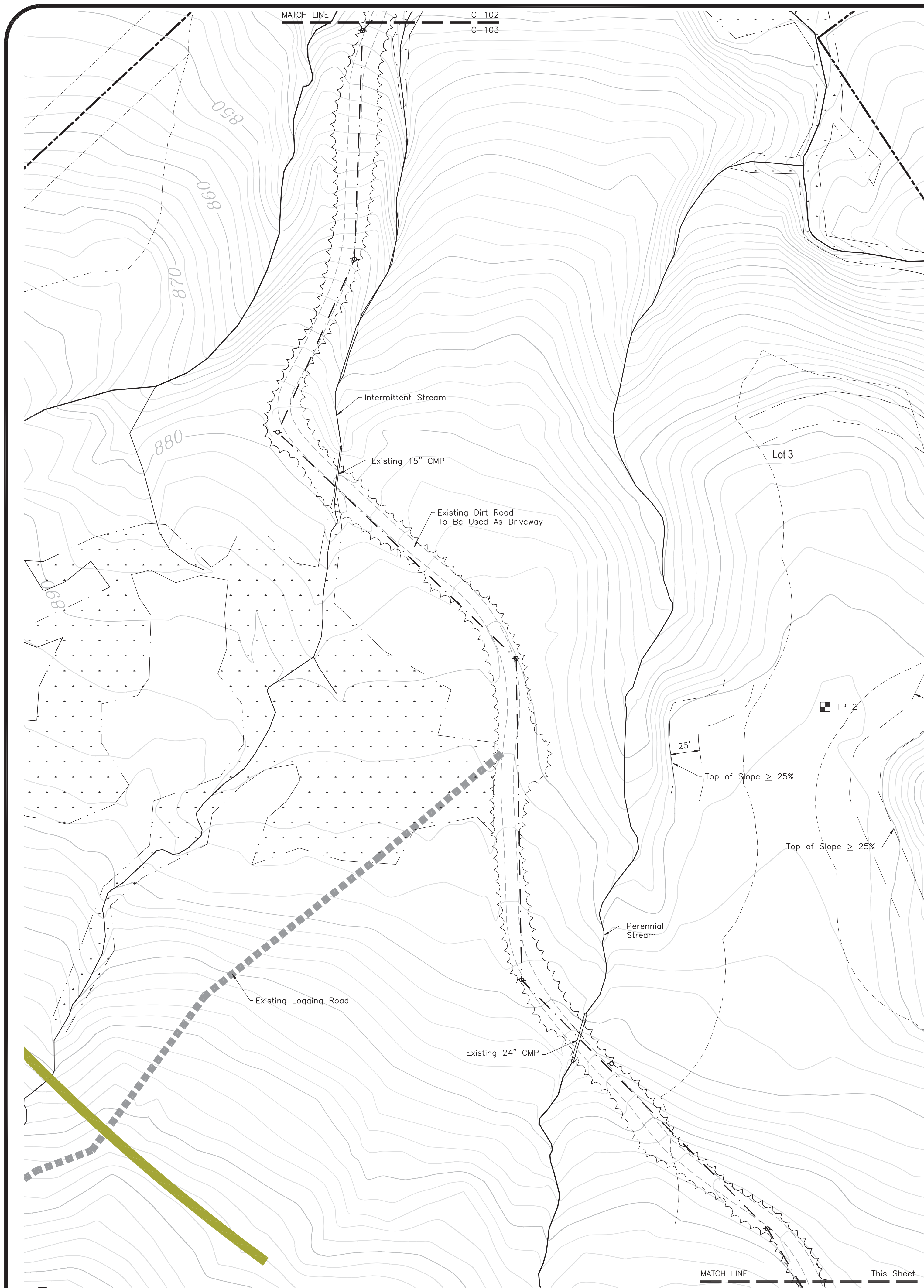
Site Plans
Lots 2, 3-Partial, 20

PAGE:
C-102

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

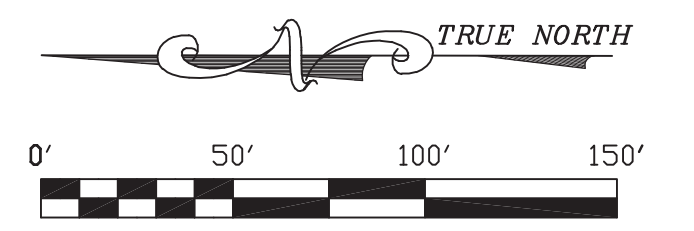
MATCH LINE

C-102
C-103



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

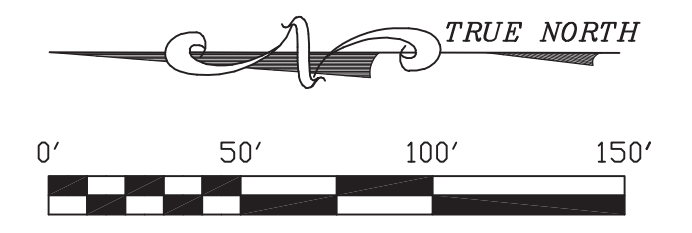
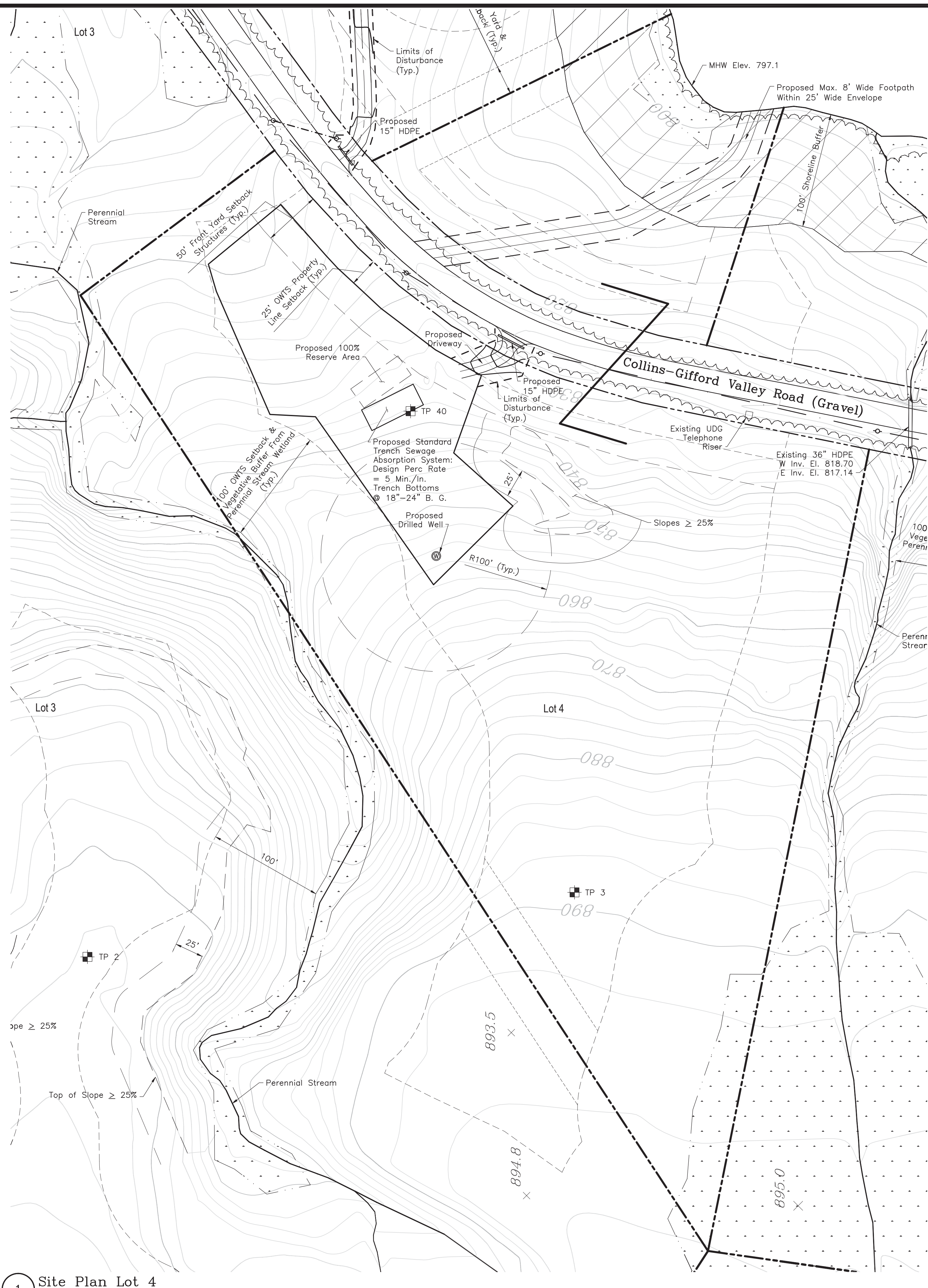
	Relocated Lot 3 Building Envelope	09/15/20
No.	Description	Date
	Revision Schedule	
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	
DRAWN BY:		

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

CIVIL & ARCHITECTURAL
 ENGINEERING
STEVEN E. SMITH, P.E.
 25 WEST FULTON STREET
 GLOVERSVILLE, N.Y. 12078
 (518) 725-1555

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

No.	Description	MM/DD/YY Date
Revision Schedule		
	Construction Drawing	MM/DD/YY 01/24/20
	Agency Review Drawing	01/24/20
Drawing Log		

DRAWN BY:

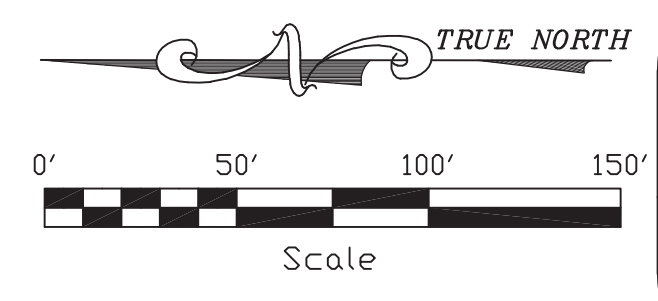
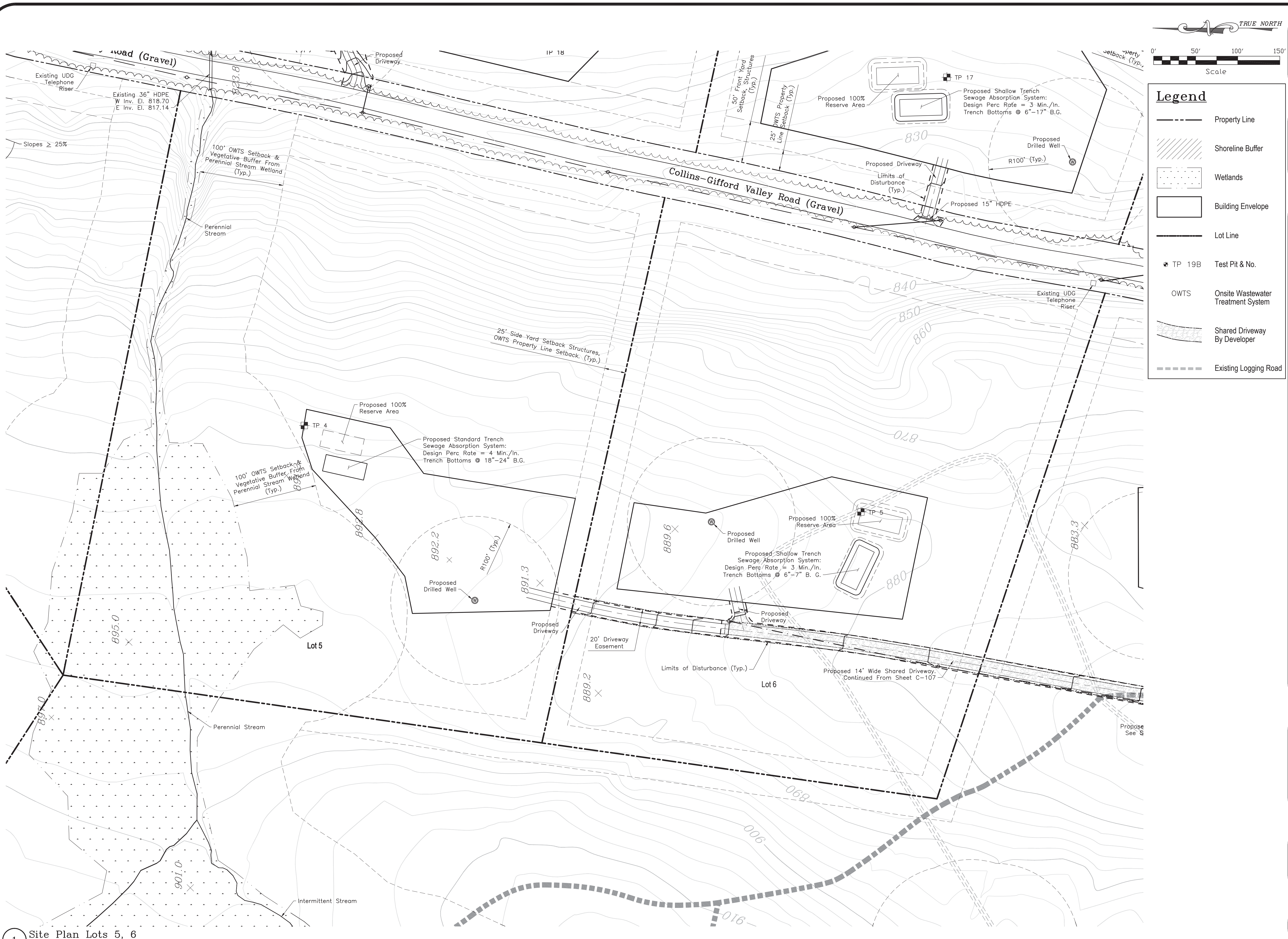
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
 10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application
 Site Plans
 Lots 4

PAGE:
C-104

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



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

No.	Description	MM/DD/YY
	Revision Schedule	Date
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.


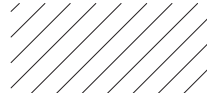







SHEET NAME:
APA Subdivision Application

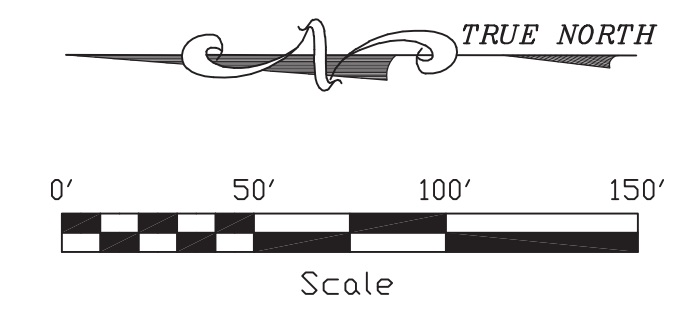
Site Plans
Lots 5, 6

PAGE:
C-105

1 Site Plan Lots 5, 6
Scale: 1" = 50'

Legend

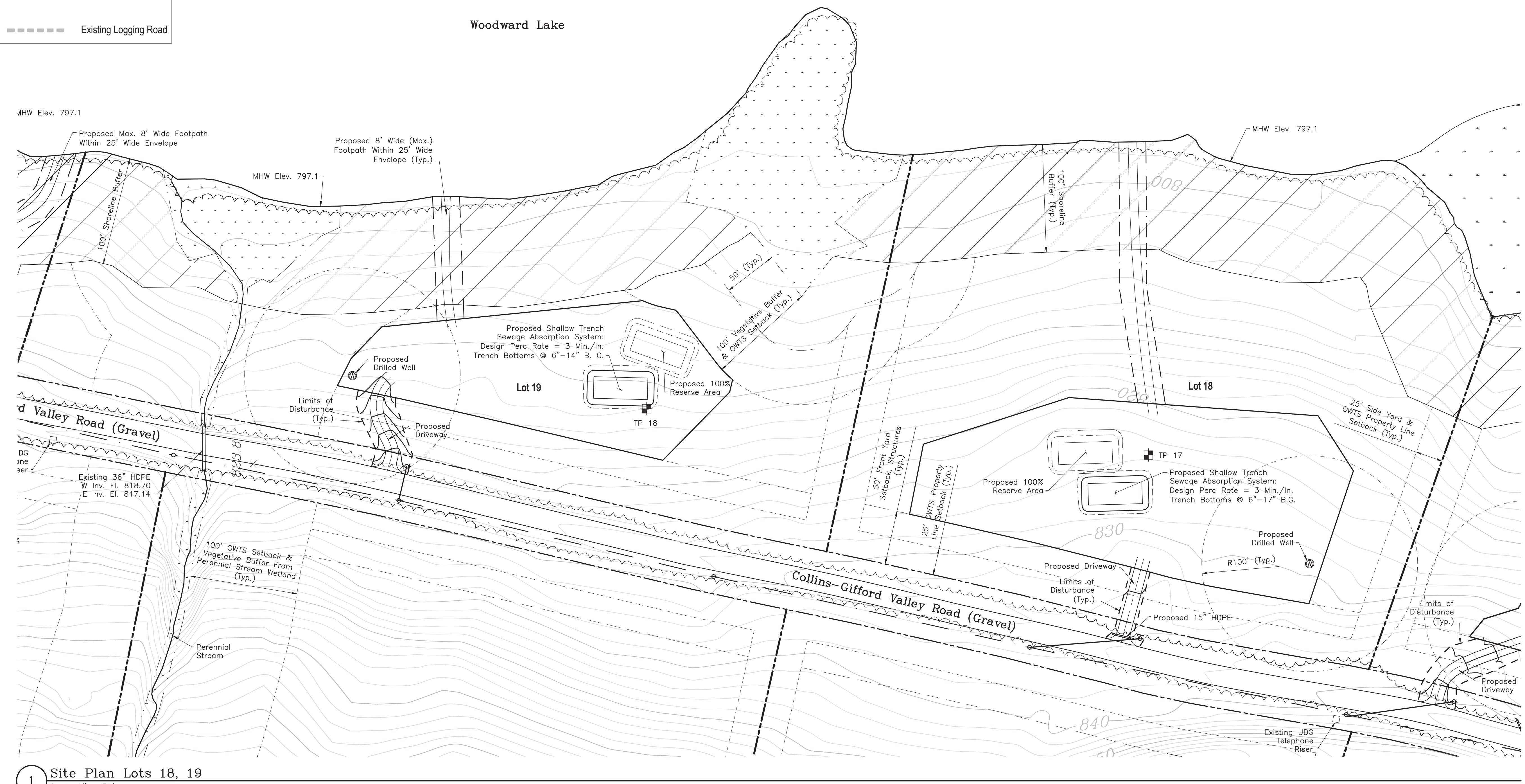
-  Property Line
-  Shoreline Buffer
-  Wetlands
-  Building Envelope
-  Lot Line
-  TP 19B Test Pit & No.
-  OWTS Onsite Wastewater Treatment System
-  Shared Driveway By Developer
-  Existing Logging Road



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

Woodward Lake
Properties, LLC

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



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

No.	Description	MM/06/YY
	Revision Schedule <td>Date</td>	Date
	Construction Drawing	MM/06/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

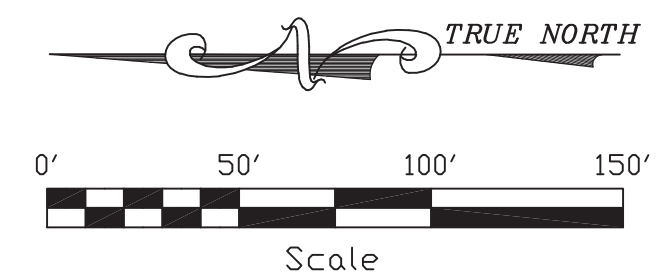
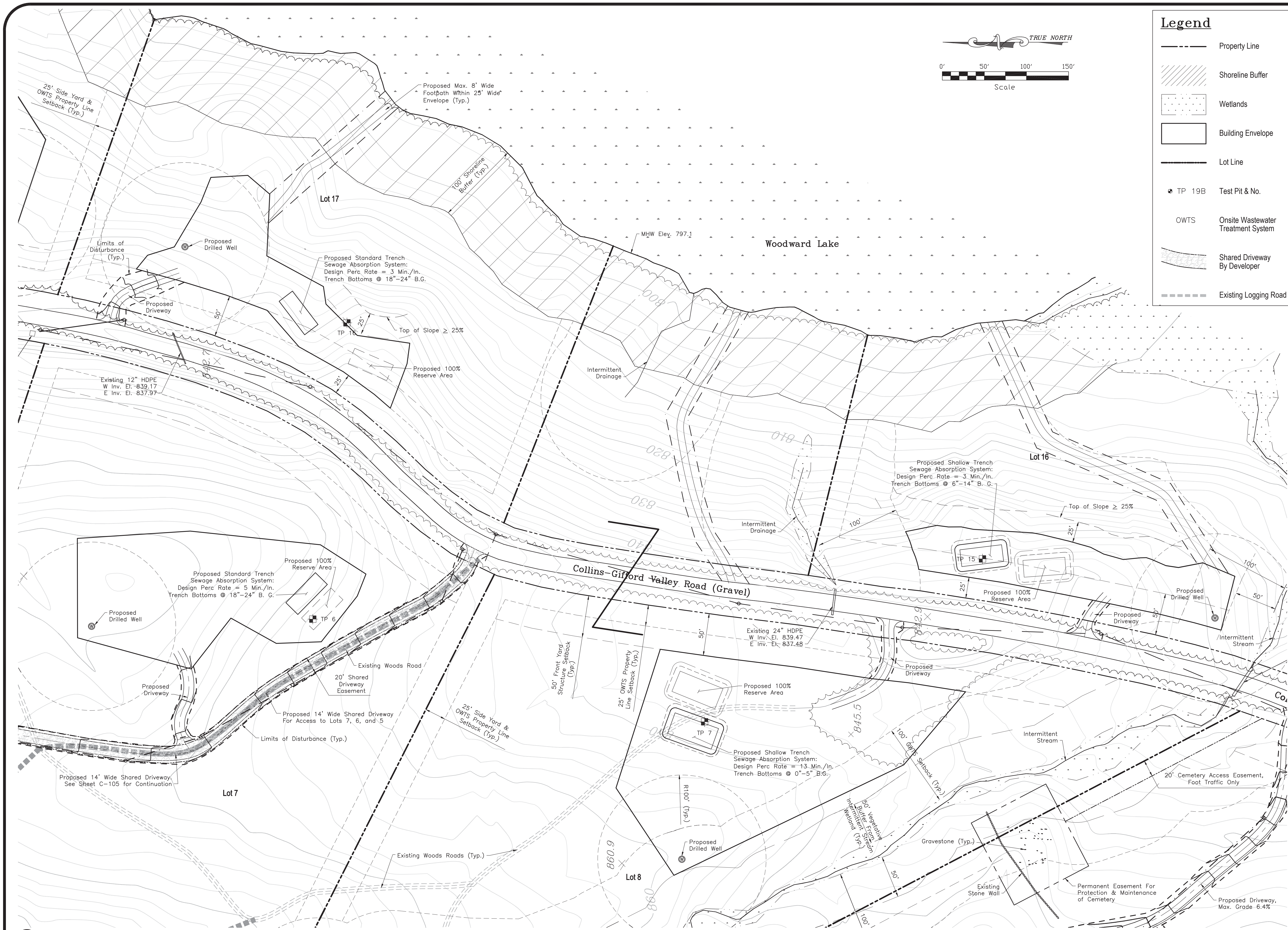
PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application

Site Plans
Lots 18, 19

PAGE:
C-106



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

CIVIL & ARCHITECTURAL
 ENGINEERING
STEVEN E. SMITH, P.E.
 25 WEST FULTON STREET
 GLOVERSVILLE, N.Y. 12078
 (518) 725-1555

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

No.	Description	MM/DD/YY	Date
Revision Schedule			
	Construction Drawing	MM/DD/YY	
	Agency Review Drawing	MM/DD/YY	01/24/20
Drawing Log			

DRAWN BY:

Copyright by Steven E. Smith, 2020
 All Rights Reserved

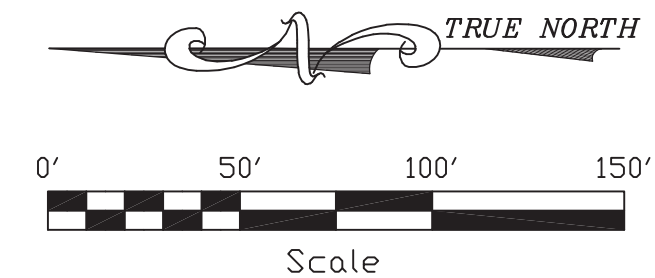
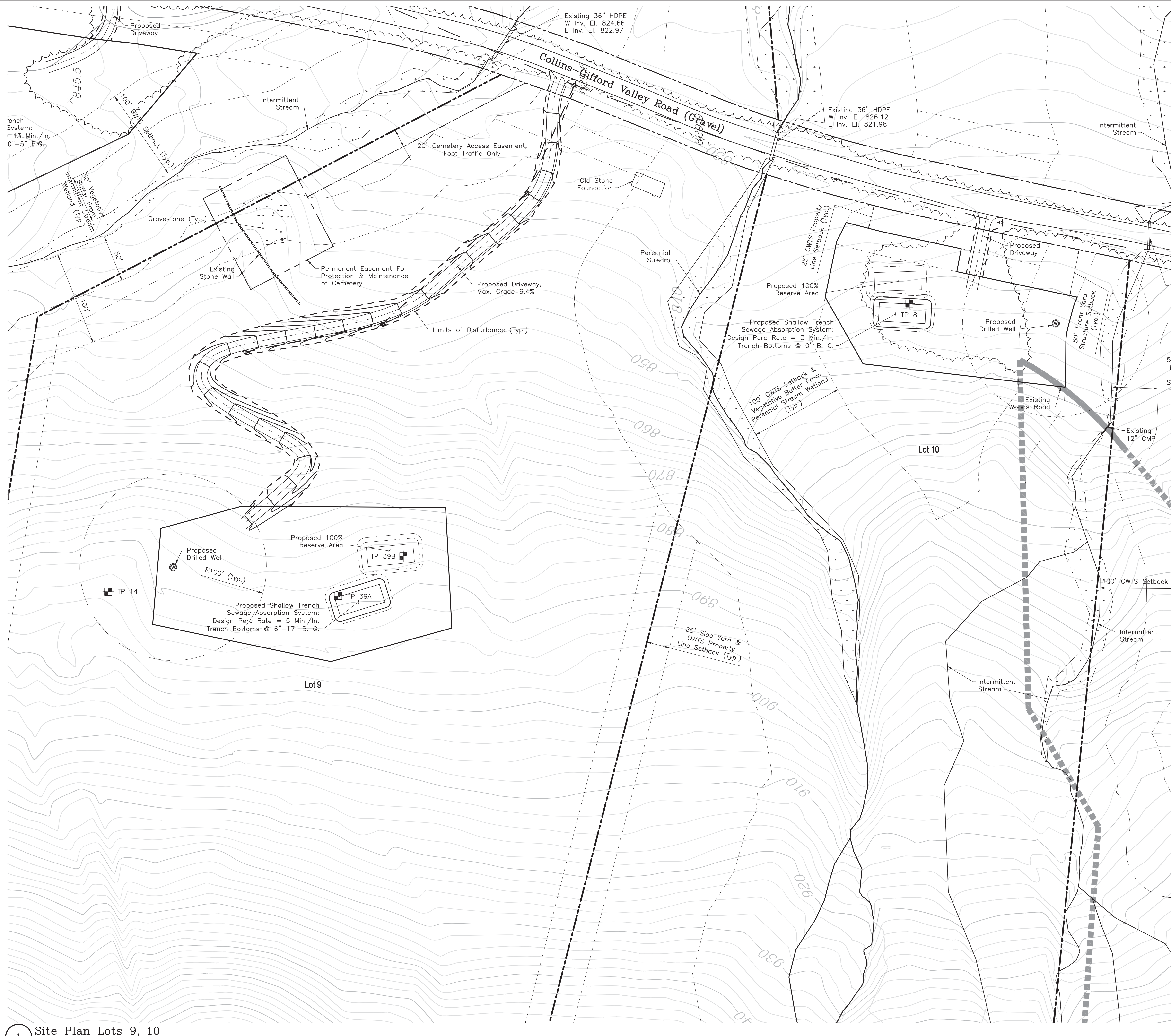
PROGRESS PRINT
 10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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.
- OWTS Onsite Wastewater Treatment System
- Shared Driveway By Developer
- Existing Logging Road

CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

⚠	Modified Cemetery Easement: Added Gravestones	09/18/20
No.	Description	Date
	Revision Schedule	
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

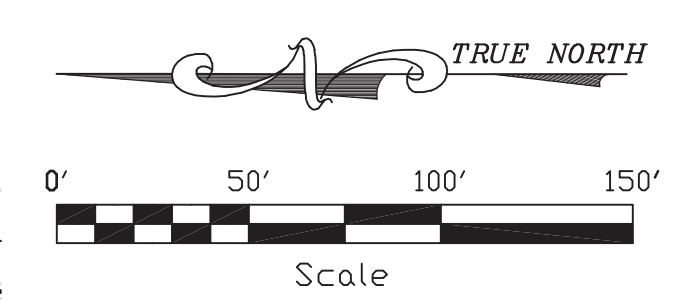
DRAWN
BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter
the plan in any way, unless acting under the
direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application
Site Plans
Lots 9, 10

PAGE:
C-108



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

No.	Description	MM/DD/YY
Revision Schedule		
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
Drawing Log		

DRAWN BY:

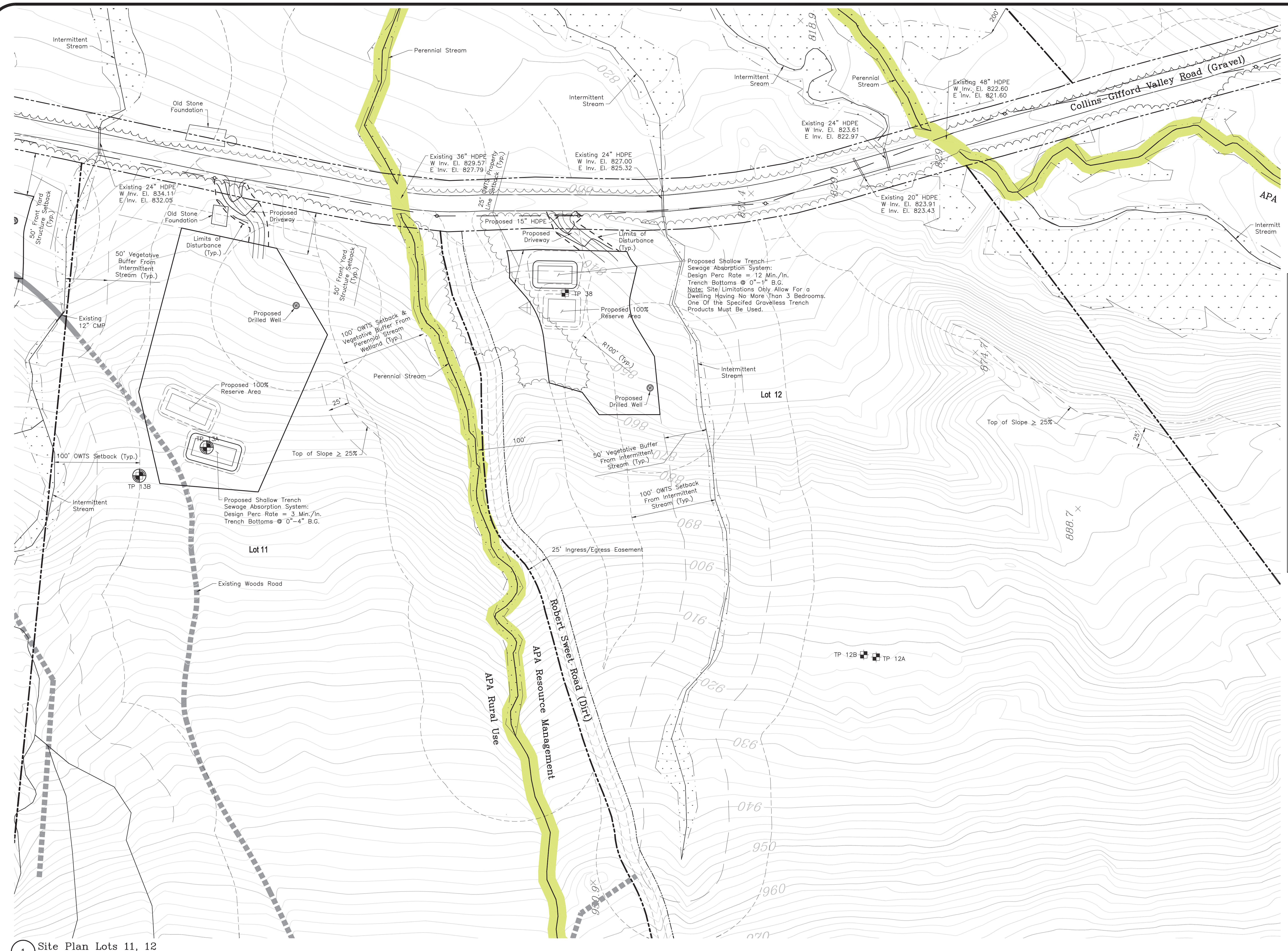
Copyright by Steven E. Smith, 2020
All Rights Reserved

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

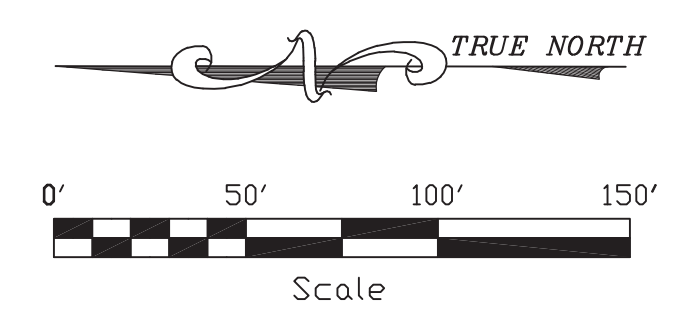
SHEET NAME:
APA Subdivision Application

Site Plans
Lots 11, 12

PAGE:
C-109



1 Site Plan Lots 11, 12
Scale: 1" = 50'



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

No.	Description	MM/DD/YY	Date
Revision Schedule			
	Construction Drawing	MM/DD/YY	
	Agency Review Drawing	MM/DD/YY	01/24/20
Drawing Log			

DRAWN BY:

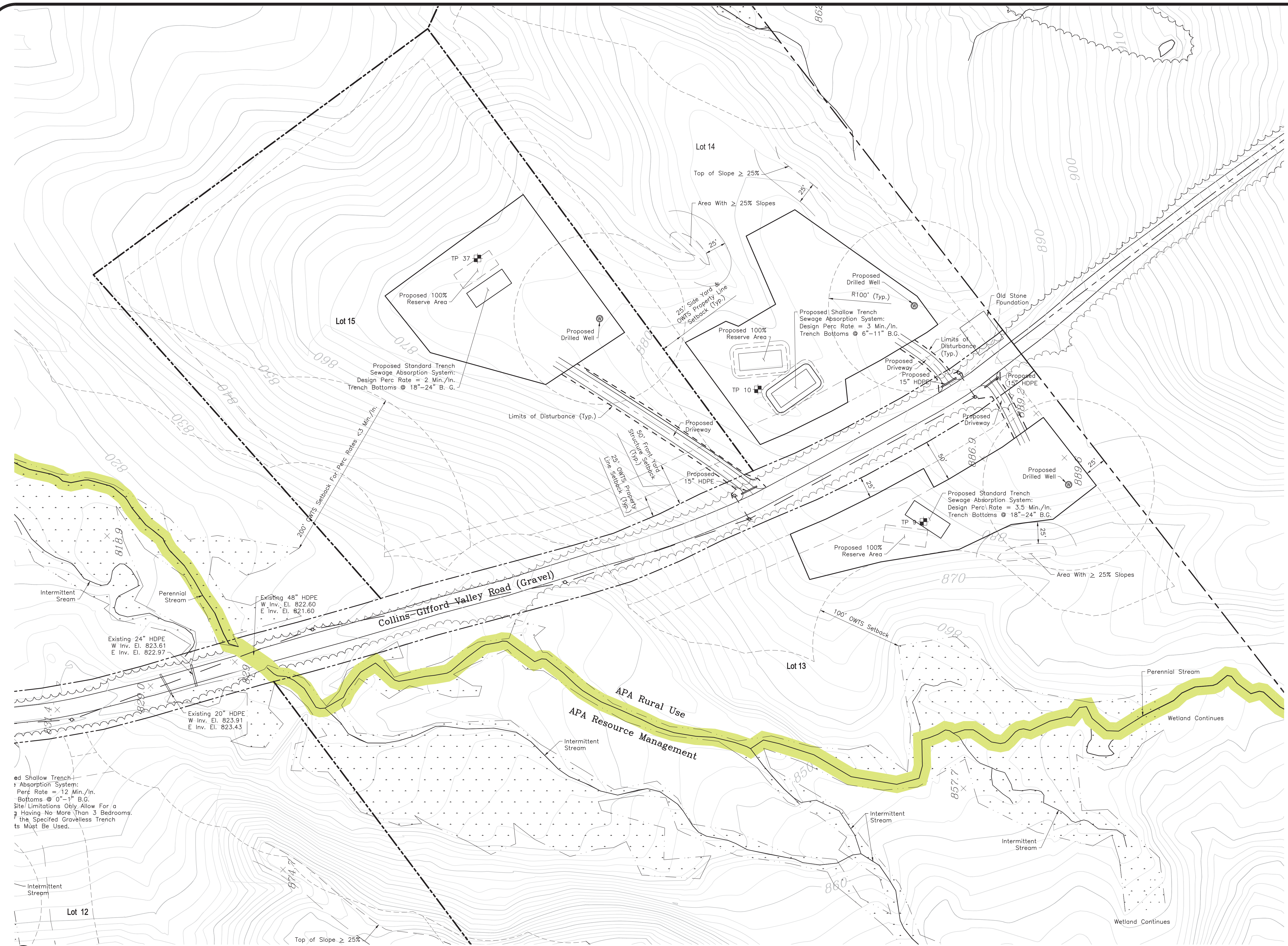
Copyright by Steven E. Smith, 2020
All Rights Reserved

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

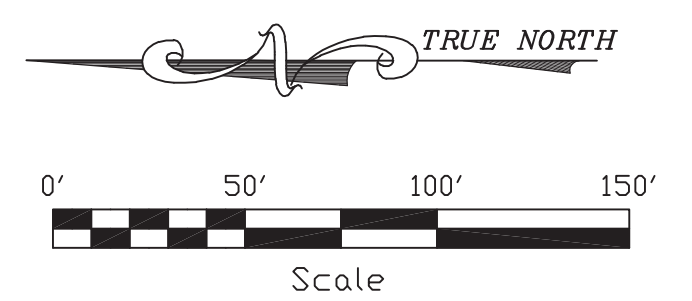
SHEET NAME:
APA Subdivision Application

Site Plans
Lots 13, 14, 15

PAGE:
C-110



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



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

Revised Lot 23 and 24 Building Envelopes and Lot Line	08/24/20
No. Description	Date
Revision Schedule	
Construction Drawing	MM/DD/YY
Agency Review Drawing	01/24/20
Drawing Log	

DRAWN BY:

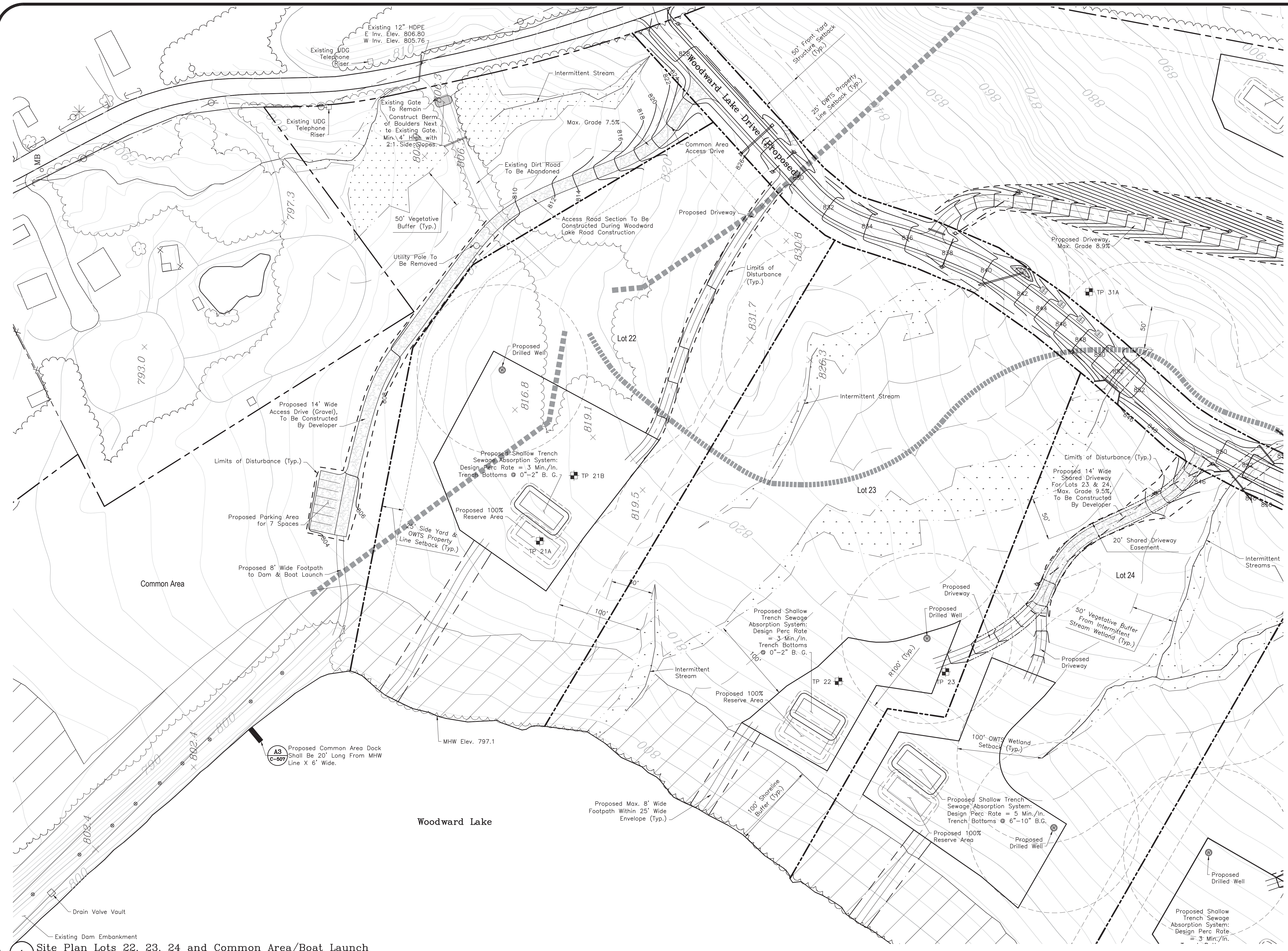
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

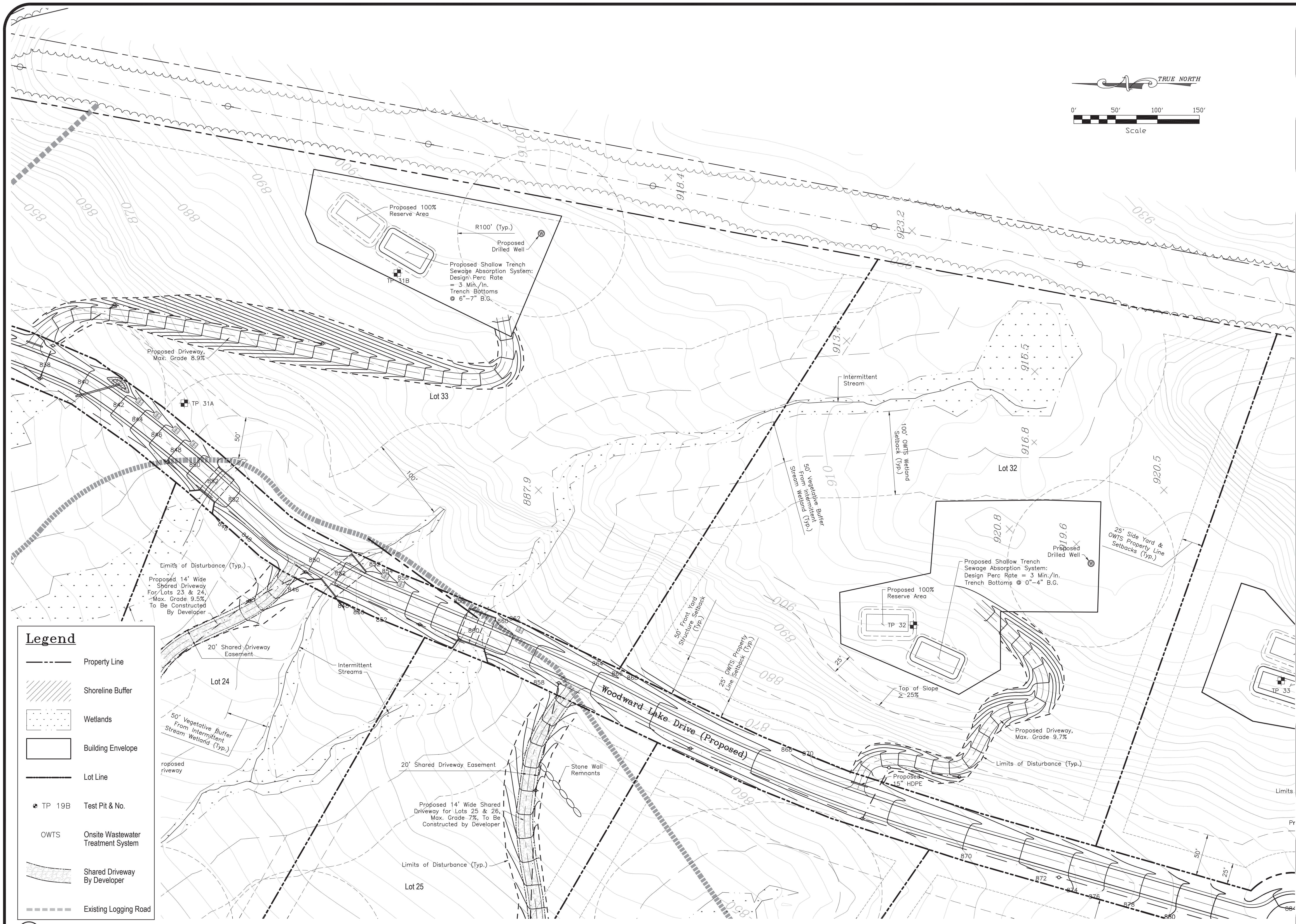
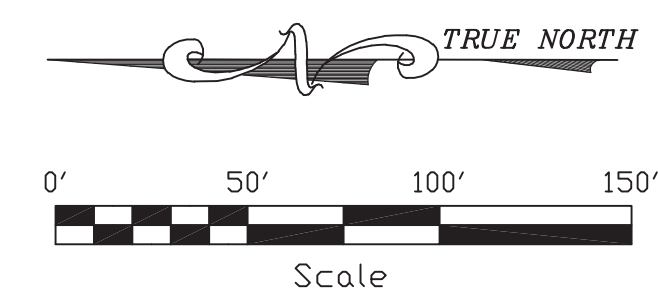
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

PAGE:
C-111



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



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

Renumbered Lots 32 and 33 (Formerly 26 and 27)			08/24/20
No.	Description	Date	
Revision Schedule			
Construction Drawing			MM/DD/YY
Agency Review Drawing			01/24/20
Drawing Log			

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

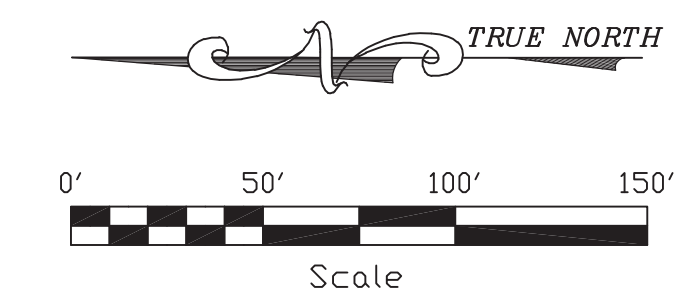
PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application

Site Plans
Lots 32, 33

PAGE:
C-112



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

No.	Description	Date
1	Added Shared Driveway for Lots 29 and 30	08/26/20
2	Modified Lot 29 Building Envelope	08/25/20
3	Modified Lot Lines for Lots 28 and 29	05/25/20

No.	Description	Date
1	Construction Drawing	MM/DD/YY
2	Agency Review Drawing	01/24/20

Revision Schedule
Drawing Log

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

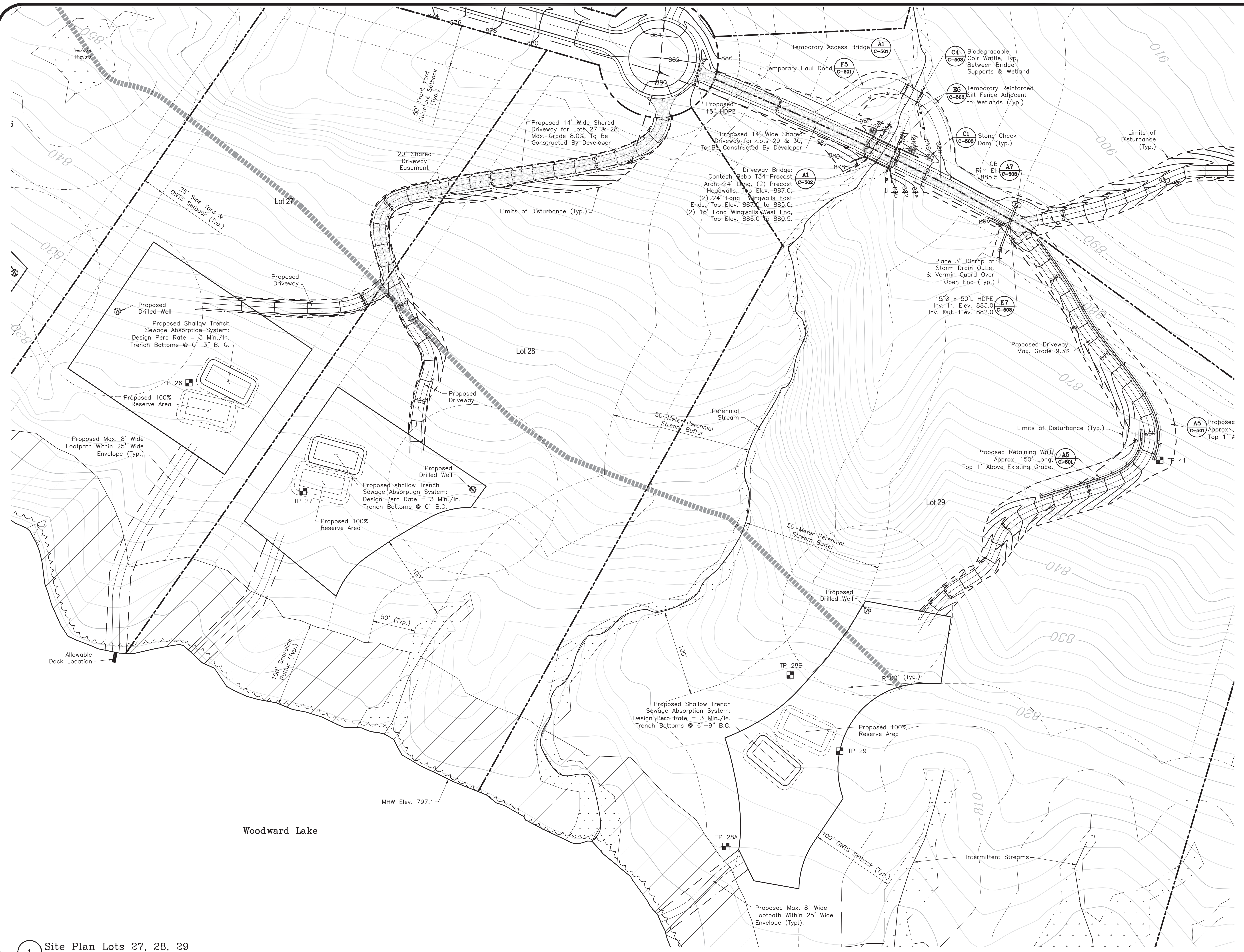
PROGRESS PRINT
10/09/20

It is a violation for any person to offer the plan in any way, unless acting under the direction of an appropriately licensed person.

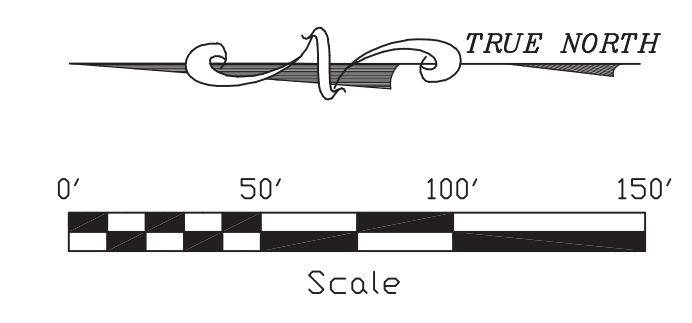
SHEET NAME:
APA Subdivision Application

Site Plans
Lots 27, 28, 29

PAGE:
C-114



1 Site Plan Lots 27, 28, 29
Scale: 1" = 50'



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

	Added Shared Driveway for Lots 29 and 30	08/26/20
No.	Description	Date
Revision Schedule		
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	
DRAWN BY:		

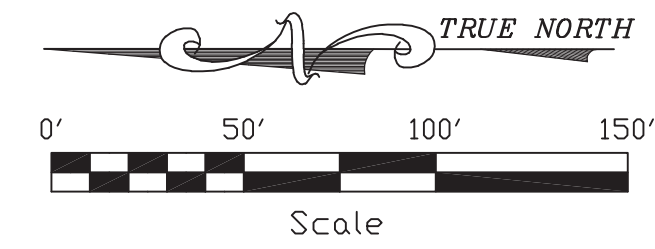
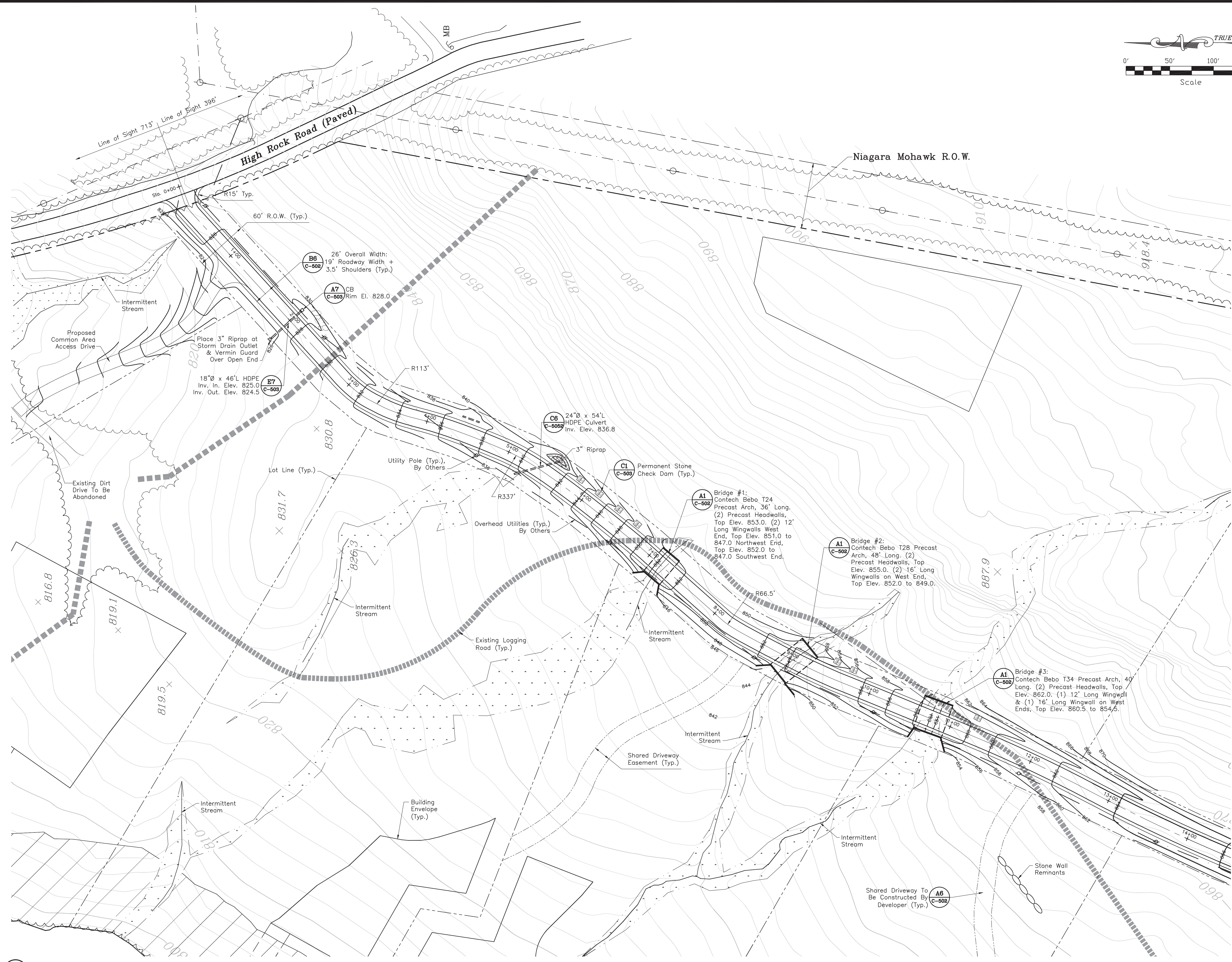
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application
Site Plans
Lots 30, 31

PAGE:
C-115





CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

No.	Description	MM/DD/YY
	Revision Schedule <td>Date</td>	Date
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

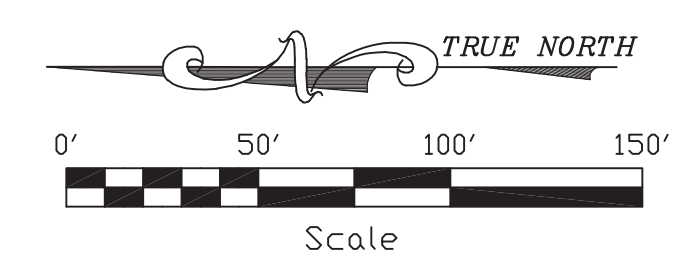
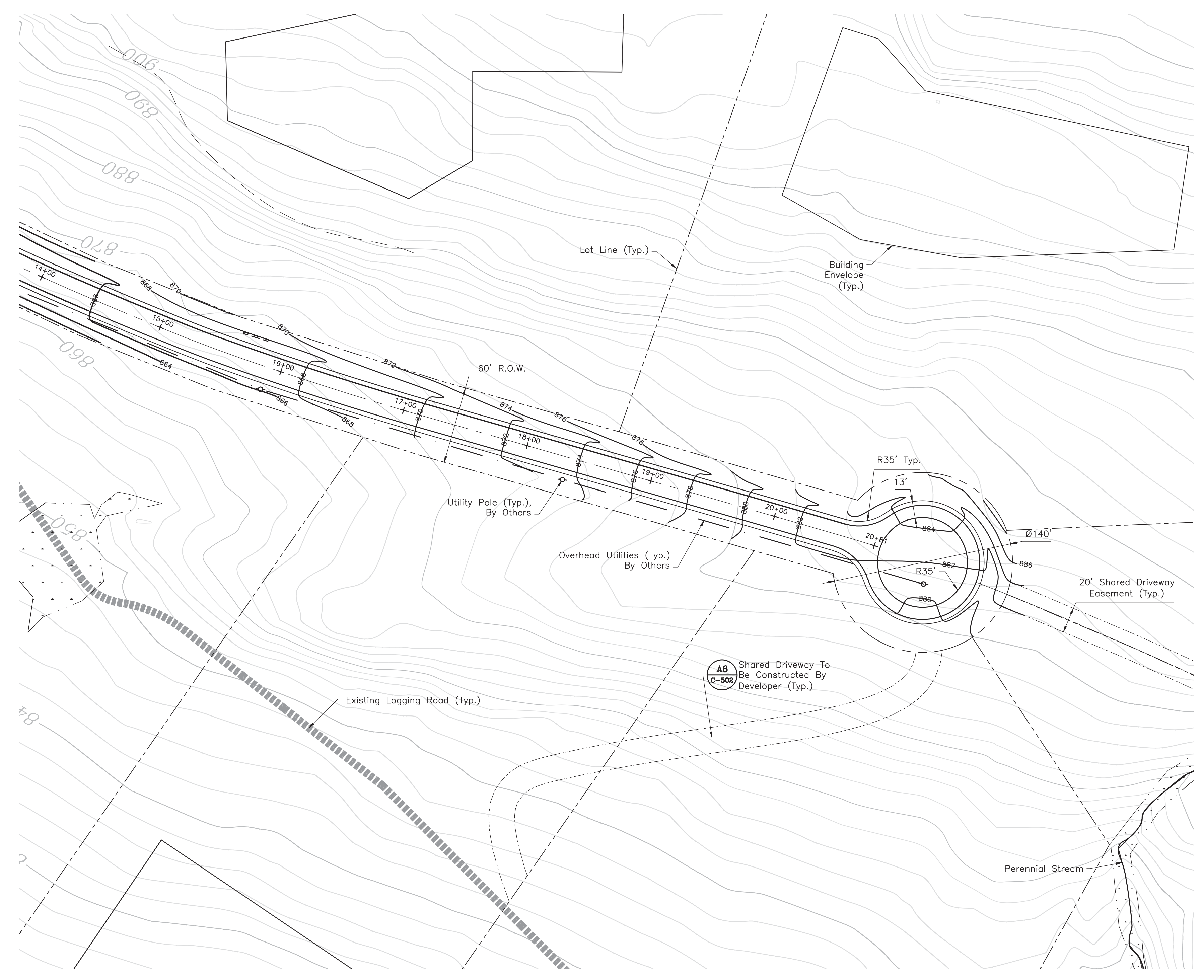
DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved
PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

PAGE:
C-201

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



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

No.	Description	Date
	Shortened Proposed Road and Moved Turn-around	08/19/20
	Revision Schedule	
	Construction Drawing	MM/00/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

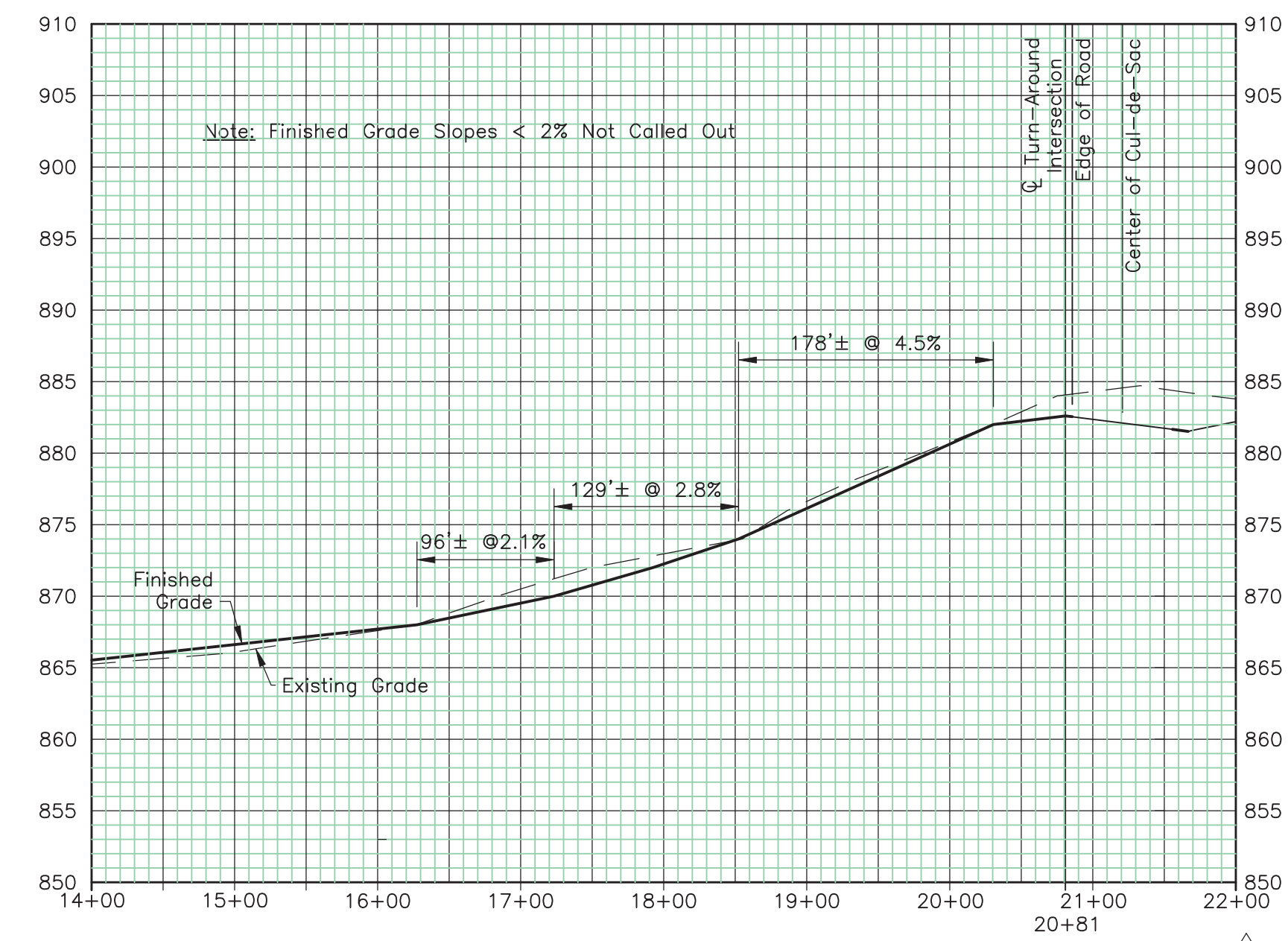
SHEET NAME:
APA Subdivision Application

Woodward Lake Drive
Sta. 14+00 to Turnaround

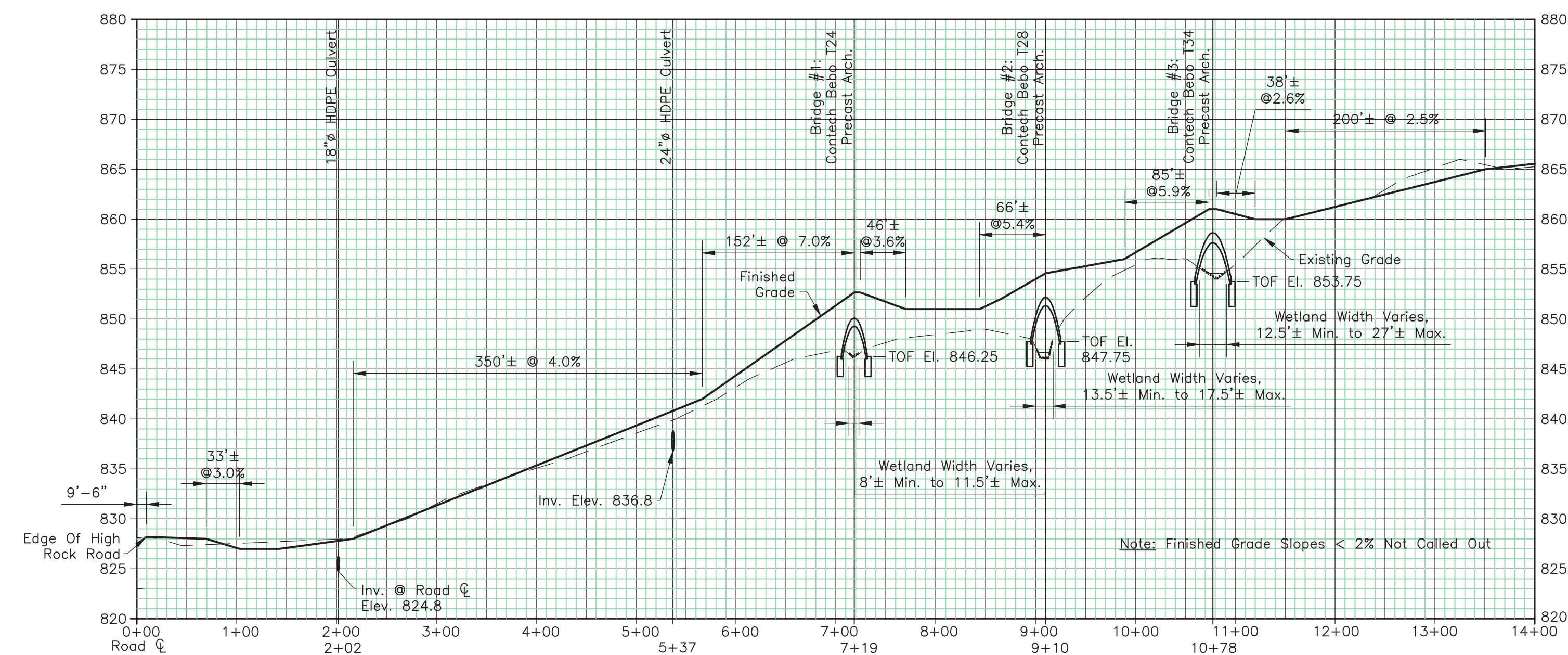
PAGE:
C-202

Woodward Lake
Properties, LLC

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



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



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

△	Revised Profile for Shortened Road	08-19-20
No.	Description	Date
Revision Schedule		
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
Drawing Log		

DRAWN BY: BCT

Copyright by Steven E. Smith, P.E. 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

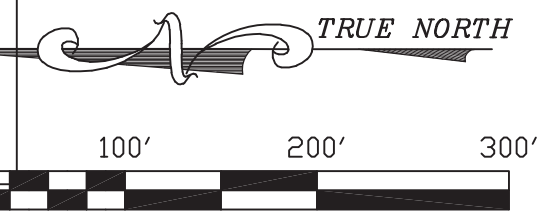
SHEET NAME:
Woodward Lake Drive
Centerline Profile

PAGE:
C-203

Phase 1

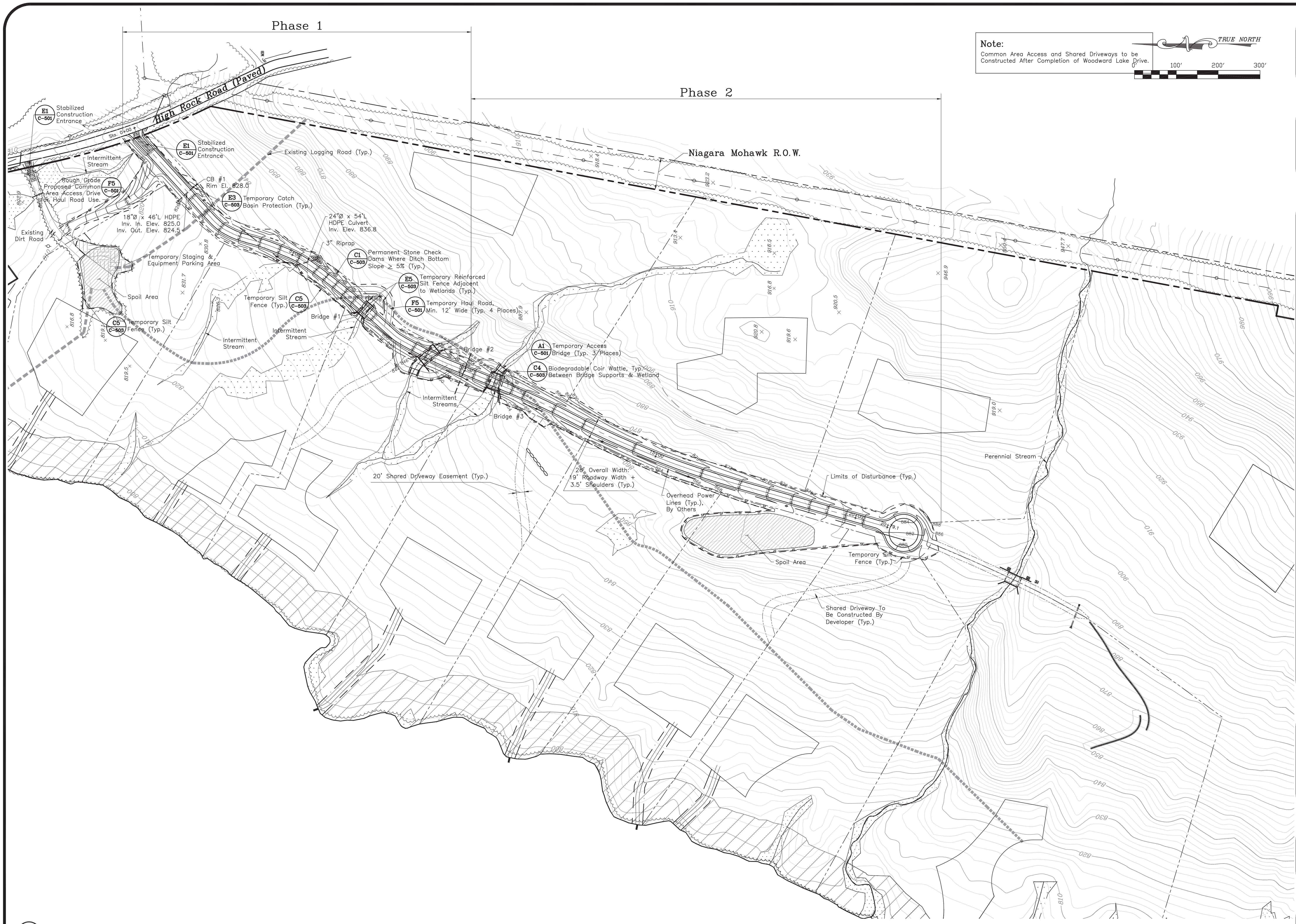
Phase 2

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



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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



▲	Revised E&S Plan for Shortened Road	08/20/20
No.	Description	Date
	Revision Schedule	
	Construction Drawing	MM/05/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
APA Subdivision Application
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, Cellar 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 Steep 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 Toe 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.

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. Owner's Responsibilities Include Notifying the Property Owners Association of Planned Construction Activities, Schedule, Actual Start and Completion Dates, and Any Suspension of Activities. Owner is Referred To The SWPPP For Instructions.

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 Appurtenances, Ditches, Etc. Shall Remain Functional During Construction. Excavated Material May Not Be Placed in Drainage Ditches. Ditches, Riprap, And Storm Drain Appurtenances 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.

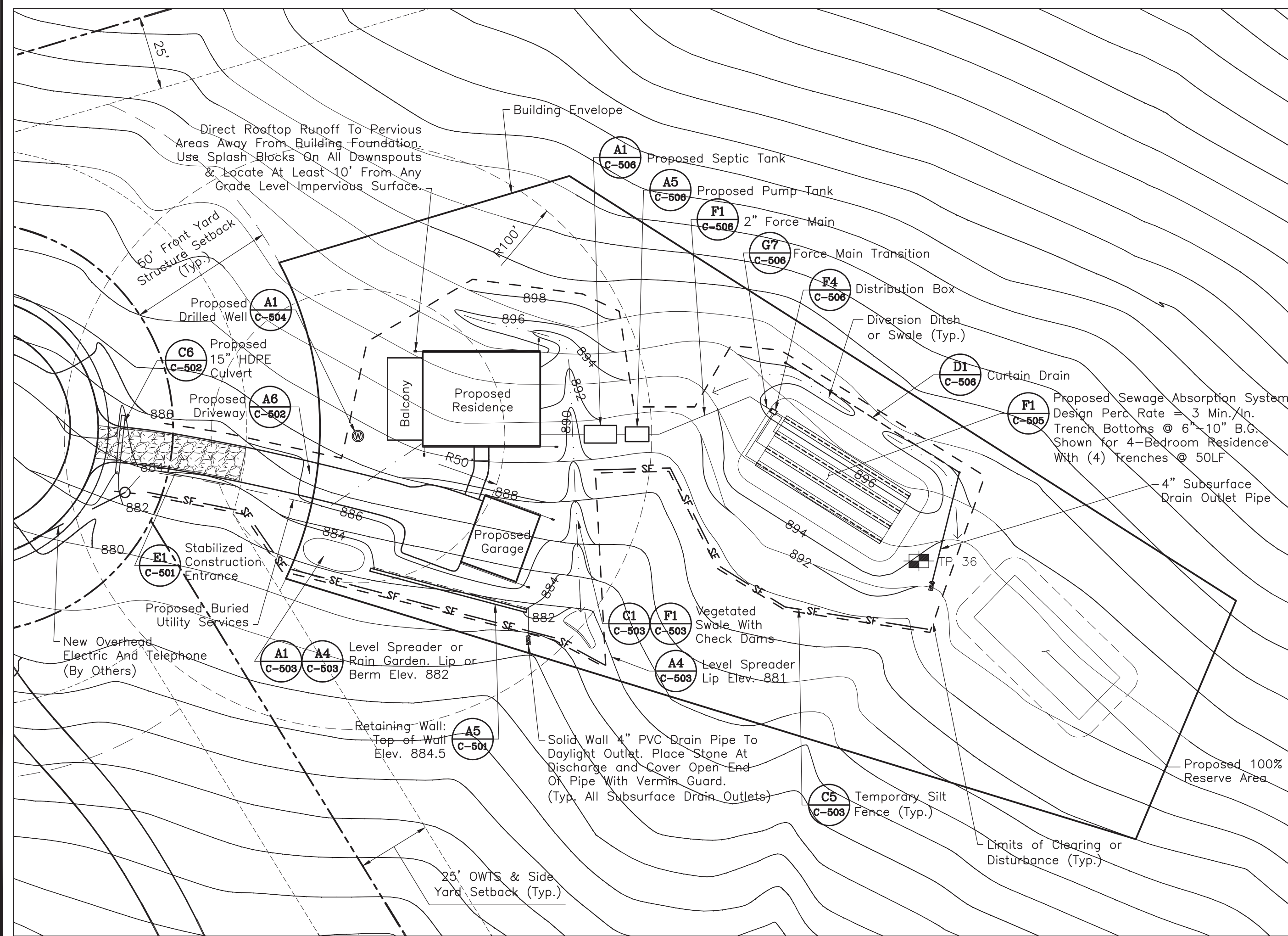
CIVIL & ARCHITECTURAL
ENGINEERING

STEVEN E. SMITH, P.E.

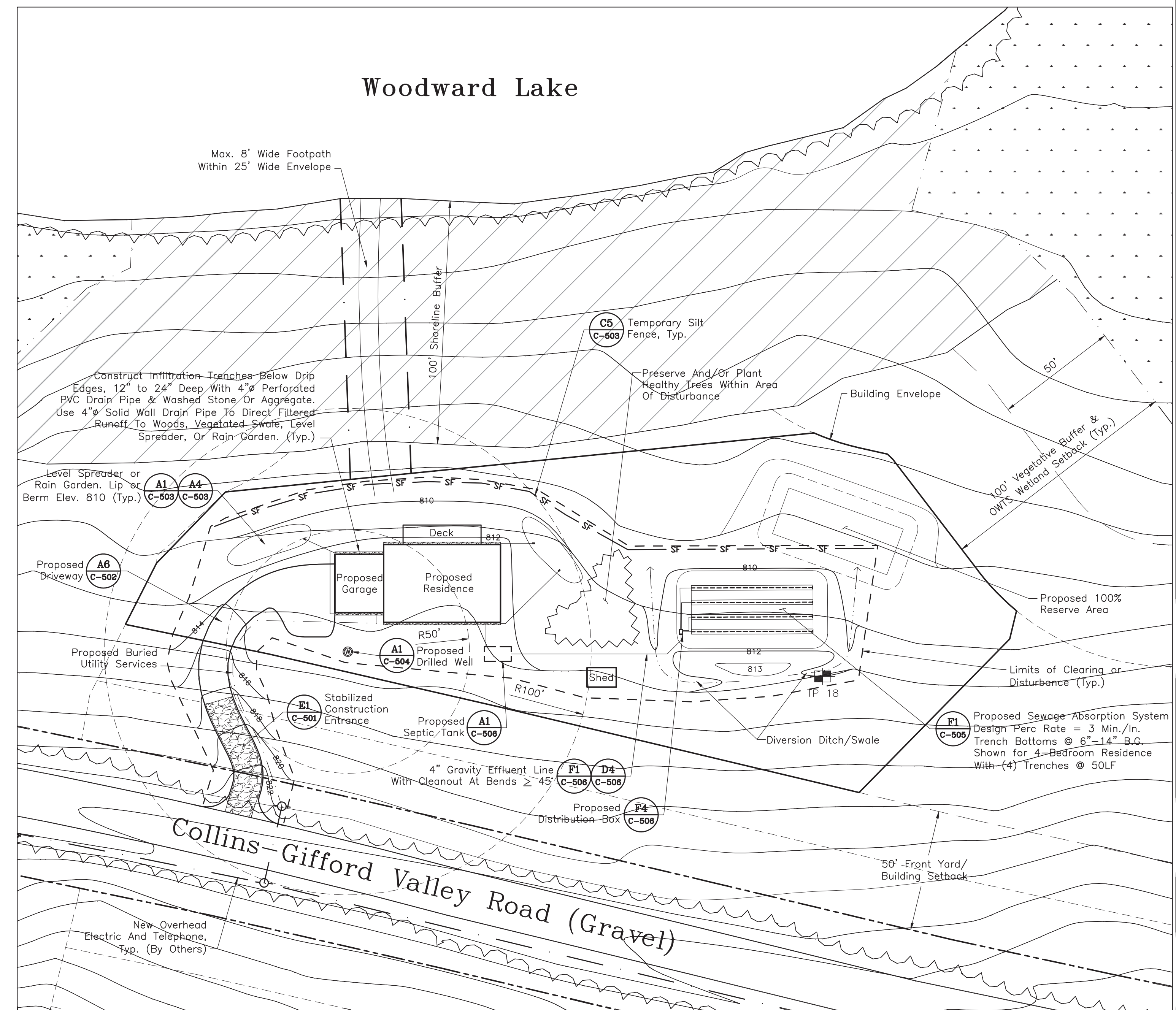
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

Woodward Lake
Properties, LLC

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



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



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

No.	Description	Date
1	Revised Stormwater Management Notes	06/17/20
Revision Schedule		
1	Construction Drawing	MM/DD/YY
1	Agency Review Drawing	01/24/20
Drawing Log		

DRAWN BY: BCT

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINTS
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
Typical Lot Development Plans;
Site Development, E&SC,
and Stormwater Management Notes;
Separation Distances

PAGE:
C-401

Soil Profiles

(SHGW refers to Seasonal High Groundwater)

Test Pit #1A	Date: 09/13/18	Slope: 2-5%
0" - 18"	Dk. Brown Loam, Root Layer to 5"	
8" - 40"	Orange-Brown Fine Sandy Loam	
40" - 70"	Gray Sand	
40"	SHGW (Few Mottles)	
Test Pit #1B	Date: 09/13/18	Slope: 0-2%
0" - 9"	Brown Sandy Loam	
9" - 24"	Orange-Brown Silty Sand/Fine Loamy Sand	
24" - 33"	Gray Sand	
33" - 66"	Stony Dk. Gray Gravelly Sand	
66"	Hardpan	
24"	SHGW (Mottles)	
Test Pit #2	Date: 09/13/18	Slope: 0-2%
0" - 5"	Dk. Brown Loamy Organic Layer	
5" - 40"	Orange-Brown Sand	
40" - 72"	Gray-Brown Gravelly, Stony Sand	
	No Evidence of SHGW	
Test Pit #3	Date: 09/13/18	Slope: 2-5%
0" - 12"	Dk. Brown Loamy Organic Layer	
12" - 29"	Orange Silty Sand	
29" - 72"	Gray-Brown Dense Sand	
29"	SHGW (Mottles)	
Test Pit #4	Date: 09/13/18	Slope: 2-5%
0" - 10"	Dk. Brown Loamy Organic Layer	
10" - 30"	Orange-Brown Sandy Loam	
30" - 72"	Gray Fine Gravelly Sand, Somewhat Dense, Some Stones	
	No Evidence of SHGW	
Test Pit #5	Date: 09/13/18	Slope: 2-5%
0" - 10"	Dk. Brown Silt Loam, Organic Layer	
10" - 31"	Orange-Brown Silty Loam	
31" - 74"	Gray-Brown Dense Gravelly Sand with Rocks & Cobbles	
31"	SHGW (Mottles)	
Test Pit #6	Date: 09/13/18	Slope: 8 - 10%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 29"	Orange-Brown Silty Sand, Firm	
9" - 51"	Lt. Brown Very Fine Sand	
51" - 72"	Gray-Brown Dense Gravelly Sand	
51"	SHGW (Mottles)	
Test Pit #7	Date: 09/13/18	Slope: 4 - 7%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 29"	Orange-Brown Sandy Loam	
29" - 38"	Lt. Brown Gravelly Sand	
38" - 62"	Gray-Brown Dense Gravelly Sand, Stony/Shaley	
29"	SHGW (Mottles)	
Test Pit #8	Date: 09/13/18	Slope: 5%
0" - 7"	Dk. Brown Loam	
7" - 24"	Orange-Brown Gravelly Sand	
24" - 29"	Brown Very Stony Gravel	
29" - 34"	Brown Medium Sand	
34" - 60"	Gray-Brown Dense Stony Sand, Some Cobbles	
24"	SHGW (Mottles)	
Test Pit #9	Date: 09/13/18	Slope: 0 - 2%
0" - 5"	Dk. Brown Loam, Organic Layer	
5" - 29"	Orange-Brown Slightly Silty Sand, Some Gravel	
29" - 41"	Brown Medium Sand	
41" - 48"	Gray-Brown Very Fine Sand	
48" - 72"	Brown Silty Sand	
48"	SHGW (Mottles)	
Test Pit #10	Date: 09/13/18	Slope: 0 - 2%
0" - 7"	Dk. Brown Loam, Organic Layer	
7" - 26"	Orange-Brown Coarse Sand	
26" - 35"	Lt. Brown Medium to Coarse Sand	
35" - 49"	Orange-Brown Silty Sand, Somewhat Dense	
49" - 59"	Gray-Brown Very Fine Sand	
59" - 75"	Gray-Brown Stony Very Fine Sand	
35"	SHGW (Mottles)	
Test Pit #11	Date: 09/14/18	Slope: 2 - 5%
0" - 7"	Dk. Brown Loam, Organic Layer	
7" - 32"	Orange-Brown Silty Fine Sand	
32" - 45"	Lt. Brown Fine Sand	
45" - 72"	Gray-Brown Dense Stony Gravelly Sand	
32"	SHGW (Mottles)	
Test Pit #12A	Date: 09/14/18	Slope: 3 - 8%
0" - 6"	Dk. Brown Loam, Organic Layer	
6" - 26"	Orange-Brown Sandy Loam	
26" - 33"	Dk. Orange-Brown Stony Sand	
33" - 61"	Gray-Brown Fine Sand with Rocks and Stones	
26"	SHGW (Mottles)	
39"	Groundwater Observed	
Test Pit #12B	Date: 09/14/18	Slope: 5 - 8%
0" - 6"	Dk. Brown Loam, Organic Layer	
6" - 24"	Orange-Brown Medium Sand, Some Stones	
24" - 70"	Dk. Orange-Brown Dense Gravelly Sand with Stones, Rocks, & Cobbles	
70" - 72"	Gray-Brown Silty Fine Sand	
24"	SHGW (Mottles)	
Test Pit #13A	Date: 09/14/18	Slope: 6 - 8%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 28"	Orange-Brown Silty Sand	
28" - 72"	Gray-Brown Dense Fine Sand with Rocks and Stones	
28"	SHGW (Mottles)	

Test Pit #13B	Date: 09/14/18	Slope: 6 - 8%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 37"	Orange-Brown Silty Fine Sand	
37" - 46"	Lt. Brown Dense Gravelly Fine Sand	
46" - 72"	Gray-Brown Dense Fine Sand, Some Stones	
37"	SHGW (Mottles)	
Test Pit #14	Date: 09/14/18	Slope: 5 - 8%
0" - 6"	Dk. Brown Loam, Organic Layer	
6" - 28"	Dk. Brown Sandy Loam	
28" - 36"	Gray-Brown Dense Stony Sand	
36" - 48"	Hardpan	
28"	SHGW (Mottles)	
Test Pit #15	Date: 09/14/18	Slope: 2 - 5%
0" - 7"	Dk. Brown Sandy Loam, Organic Layer	
7" - 38"	Orange-Brown Fine Sand	
38" - 72"	Gray-Brown Very Gravelly Fine Sand, Somewhat Dense	
38"	SHGW (Mottles)	
Test Pit #16	Date: 09/14/18	Slope: 2 - 5%
0" - 7"	Dk. Brown Silt Loam, Organic Layer	
7" - 42"	Orange-Brown Silty Sand	
42" - 72"	Lt. Brown Fine Sand	
	No Evidence of SHGW	
Test Pit #17	Date: 09/14/18	Slope: 2 - 5%
0" - 7"	Dk. Brown Loam, Organic Layer	
7" - 14"	Dk. Brown Sandy Loam	
14" - 41"	Orange-Brown Silty Sand	
41" - 72"	Gray-Brown Dense Gravelly Sand, Some Stones	
41"	SHGW (Mottles)	
Test Pit #18	Date: 09/14/18	Slope: 1 - 4%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 38"	Orange-Brown Silty Sand	
38" - 58"	Gray-Brown Dense Gravelly Silty Sand, Some Rocks and Cobbles	
38"	SHGW (Mottles)	
Test Pit #19A	Date: 09/14/18	Slope: 6 - 8%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 12"	Dk. Brown Loam	
12" - 25"	Orange-Brown Silt Loam	
25" - 72"	Lt. Brown Clay Loam	
25"	SHGW (Mottles)	
Test Pit #19B	Date: 09/14/18	Slope: 6 - 8%
0" - 7"	Dk. Brown Silt Loam, Organic Layer	
7" - 12"	Dk. Brown Sandy Loam	
12" - 26"	Orange-Brown Sandy Loam	
26" - 41"	Lt. Brown Clay Loam, Mottled	
41" - 53"	Orange-Brown Medium Sand	
53" - 72"	Gray-Brown Very Fine Sand	
26"	SHGW (Mottles)	
Test Pit #20	Date: 09/14/18	Slope: 8%
0" - 12"	Dk. Brown Silt Loam, Organic Layer	
12" - 26"	Orange-Brown Silty Sand	
26" - 48"	Lt. Brown Dense Fine Silty Sand	
48" - 72"	Gray-Brown Very Fine Silty Sand	
26"	SHGW (Mottles)	
66"	Groundwater Observed	
Test Pit #21A	Date: 09/17/18	Slope: 3 - 6%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 31"	Orange-Brown Sandy Loam	
31" - 62"	Lt. Brown Dense Gravelly Silty Sand	
62" - 73"	Gray-Brown Very Fine Silty Sand	
26"	SHGW (Mottles)	
Test Pit #21B	Date: 09/19/18	Slope: 0 - 2%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 34"	Orange-Brown Very Fine Sand	
34" - 48"	Gray Fine Sand	
48"	Hardpan	
27"	SHGW (Mottles)	
Test Pit #22	Date: 09/17/18	Slope: 6 - 8%
0" - 12"	Dk. Brown Sandy Loam, Organic Layer	
12" - 31"	Orange-Brown Sandy Loam	
31" - 64"	Gray-Brown Fine Sand, Some Gravel, Stones, and Cobbles	
26"	SHGW (Mottles)	
Test Pit #23	Date: 09/17/18	Slope: 6 - 8%
0" - 13"	Dk. Brown Sandy Loam, Organic Layer	
13" - 37"	Orange-Brown Silty Sand	
37" - 78"	Lt. Brown Dense Medium to Fine Sand	
34"	SHGW (Mottles)	
Test Pit #24	Date: 09/17/18	Slope: 2 - 5%
0" - 12"	Dk. Brown Loam, Organic Layer	
12" - 30"	Dk. Orange-Brown Sandy Loam	
30" - 47"	Orange-Brown Silty Sand	
47" - 62"	Gray-Brown Dense Fine Sand	
25"	SHGW (Mottles)	
61"	Groundwater Observed	
Test Pit #25	Date: 09/17/18	Slope: 1 - 3%
0" - 12"	Black Silt Loam, Organic Layer	
12" - 30"	Dk. Orange-Brown Silty Sand	
30" - 47"	Lt. Brown Dense Bery Fine Sand	
47" - 62"	Gray-Brown Dense Fine Sand	
28"	SHGW (Mottles)	
Test Pit #26	Date: 09/17/18	Slope: 2 - 5%
0" - 11"	Dk. Brown Silt Loam, Organic Layer	
11" - 31"	Dk. Orange-Brown Sandy Loam	
31" - 41"	Lt. Orange-Brown Dense Gravelly Silty Sand	
41" - 72"	Gray Medium to Fine Sand	
27"	SHGW (Mottles)	
53"	Groundwater Observed	

Test Pit #27	Date: 09/17/18	Slope: 1 - 4%
0" - 11"	Dk. Brown Silt Loam, Organic Layer	
11" - 25"	Dk. Orange-Brown Silty Sand	
25" - 30"	Lt. Orange-Brown Dense Gravelly Silty Sand	
30" - 66"	Gray Fine Silty Sand	
24"	SHGW (Mottles)	
Test Pit #28A	Date: 09/17/18	Slope: 1 - 3%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 25"	Orange-Brown Fine Sand	
25" - 73"	Lt. Brown Very Fine Sand, Mottled	
25"	SHGW (Mottles)	
56"	Groundwater Observed	
Test Pit #28B	Date: 09/17/18	Slope: 5 - 8%
0" - 8"	Dk. Brown Silt Loam, Organic Layer	
8" - 38"	Orange-Brown Slightly Silty Sand	
38" - 49"	Orange-Brown Dense Gravelly Sand with Rocks and Cobbles	
49" - 70"	Lt. Brown Medium Sand	
38"	SHGW (Mottles)	
Test Pit #29	Date: 09/17/18	Slope: 0 - 2%
0" - 13"	Dk. Brown Silt Loam, Organic Layer	
13" - 38"	Orange-Brown Silty Sand	
38" - 44"	Orange-Brown Medium Sand	
44" - 76"	Lt. Brown Fine Sand	
33"	SHGW (Mottles)	
Test Pit #30	Date: 09/17/18	Slope: 1 - 4%
0" - 9"	Dk. Brown Loam, Organic Layer	
9" - 19"	Orange-Brown Slightly Silty Sand	
19" - 36"	Brown Coarse Sand	
36" - 47"	Lt. Brown Fine Sand	
47" - 72"	Gray-Brown Clayey Sand	
26"	SHGW (Mottles)	
Test Pit #31A	Date: 09/19/18	Slope: 5 - 8%
0" - 10"	Dk. Brown Loam, Organic Layer	
10" - 43"	Orange-Brown Gravelly Silty Sand	
43" - 72"	Gray-Brown Dense Stony Silty Sand, Hardpan	
31"	SHGW (Mottles)	
40"	Seepage	
Test Pit #31B	Date: 09/19/18	Slope: 1 - 3%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 34"	Orange-Brown Slightly Silty Fine Sand	
34" - 48"	Gray-Brown Dense Stony Silty Sand, Hardpan	
31"	SHGW (Mottles)	
Test Pit #32	Date: 09/19/18	Slope: 2 - 5%
0" - 12"	Dk. Brown Loam, Organic Layer	
12" - 28"	Orange-Brown Silty Fine Sand	
28" - 30"	Gray-Brown Silty Very Fine Sand	
30" - 52"	Gray Dense Stony Silty Sand, Hardpan	
28"	SHGW (Mottles)	
Test Pit #33	Date: 09/19/18	Slope: 5%
0" - 12"	Dk. Brown Loam, Organic Layer, Some Cobbles	
12" - 32"	Orange-Brown Slightly Silty Fine Sand	
32" - 40"	Lt. Brown Gravelly Fine Sand	
40" - 72"	Gray-Brown Dense Stony Sand	
28"	SHGW (Mottles)	
Test Pit #34	Date: 09/19/18	Slope: 7 - 8%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 29"	Dk. Orange-Brown Slightly Silty Fine Sand	
29" - 34"	Gray and Orange-Brown Gravelly Fine Sand	
34" - 58"	Gray Dense Stony Slightly Silty Fine Sand, Hardpan	
29"	SHGW (Mottles)	
Test Pit #35	Date: 09/19/18	Slope: 7 - 8%
0" - 11"	Dk. Brown Loam, Organic Layer, Some Cobbles	
11" - 32"	Orange-Brown Sandy Loam	
32" - 50"	Orange-Brown Dense Stony Gravelly Sand	
50" - 65"	Gray-Brown Fine Sand	
27"	SHGW (Mottles)	
Test Pit #36	Date: 09/19/18	Slope: 5 - 8%
0" - 8"	Dk. Brown Loam, Organic Layer	
8" - 34"	Orange-Brown Sandy Loam	
34" - 51"	Lt. Brown Silty Sand, Somewhat Dense	
51" - 72"	Lt. Orange-Brown Dense Gravelly Fine Sand	
34"	SHGW (Mottles)	
Test Pit #37	Date: 06/24/19	Slope: 0 - 2%
0" - 9"	Dk. Brown Loam, Root Zone	
9" - 21"	Orange-Brown Slightly Silty Sand	
21" - 40"	Med. Brown Gravelly Coarse Sand	
40" - 72"	Gray-Brown Very Fine Sand	
	No Evidence of SHGW	
Test Pit #38	Date: 06/24/19	Slope: 2 - 5%
0" - 11"	Dk. Brown Silt Loam, Root Zone	
11" - 25"	Orange-Brown Very Gravelly Coarse Sand	
25" - 37"	Orange-Brown Gravelly Med. Sand, Dense	
37" - 72"	Gray-Brown Very Fine Sand, Moist	
25"	SHGW (Mottles)	
52"	Groundwater Observed	
Test Pit #39A	Date: 06/24/19	Slope: 5 - 8%
0" - 11"	Dk. Brown Loam, Root Zone	
11" - 41"	Dk. Brown Loam	
41" - 50"	Dk. Brown Gravelly Loam	
50" - 64"	Gray-Brown Med. Sand	
	No Mottling Observed	
	Groundwater Observed	

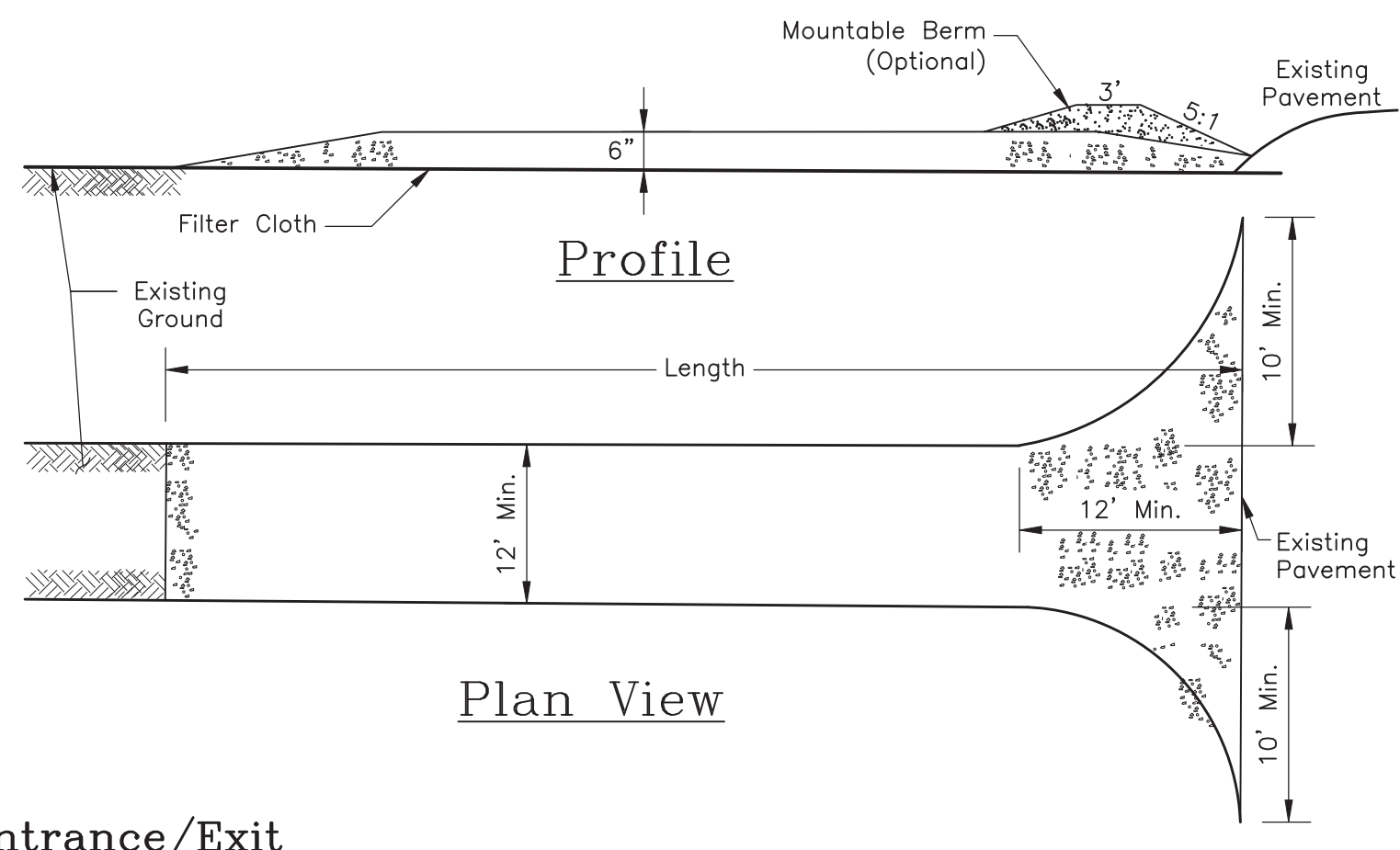
Test Pit #39B	Date: 06/24/19	Slope: 5 - 8%
0" - 11"	Dk. Brown Loam, Root Zone	
11" - 33"	Dk. Orange-Brown Sandy Loam	
33" - 42"	Brown Silty Sand	
42" - 66"	Gray-Brown Sand, Dense	
33"	No Mottling Observed	
	Groundwater Observed	
Test Pit #40	Date: 06/24/19	Slope: 2 - 5%
0" - 12"	Dk. Brown Loam, Root Zone	
12" - 24"	Orange-Brown Silty Sand	
24" - 33"	Orange-Brown Fine Sand	
33" - 45"	Brown Gravelly Sand	
45" - 53"	Orange-Brown Very Fine Silty Sand	
53" - 62"	Orange-Brown Stony Sand, Dense	
62" - 74"	Gray-Brown Gravelly Coarse Sand, Dense	
53"	SHGW (Mottles)	
Test Pit #41	Date: 06/24/19	Slope: 5 - 8%
0" - 11"	Dk. Brown Silt Loam, Root Zone	
11" - 25"	Orange-Brown Silty Fine Sand, Some Rocks & Cobbles	
25" - 66"	Gray-Brown Med. Sand, Some Rocks	
34"	SHGW (Mottles)	
34"	Groundwater Observed	

Perc Test Results & Soils Summary

Lot No.	Test Pit No.	Test Pit Depth	SHGW	Max. Slope of Existing Grade	Design Restriction	Absorption Trench System Allowable	Perc Test #1 Stabilized Rate (min/in)	Perc Test #2 Stabilized Rate (min/in)
1	20	72"	26"	8%	SHGW	Shallow	10"	3
2	1A*	70"	40"	5%	SHGW	Shallow	24"	4
2	1B	66"	24"	2%	SHGW	Shallow	24"	4
3	2	72"	>48"	2%	None	Standard	24"	3
4	40	74"	53"	8%	None	Standard	24"	4
4	3**	72"	29"	5%	SHGW	Shallow	8"	3
5	4	72"	>48"	5%	None	Standard	24"	3

Construction Specifications

1. Stone Size - Use 1-4 Inch Stone, or Reclaimed or Recycled Concrete Equivalent.
2. Length - Not Less Than 50 Feet (Except on a Single Residence Lot Where a 30 Foot Minimum Length Is Allowed).
3. Thickness - Not Less Than 6 Inches.
4. Width - 12-Foot Minimum, But Not Less Than The Full Width at Points Where Ingress or Egress Occurs. 24-Foot if Single Entrance to Non-Residential Site.
5. Geotextile - Will be Placed Over The Entire Area Prior to Placing of Stone.
6. Surface Water - All Surface Water Flowing or Diverted Toward Construction Entrances Shall be Piped Beneath The Entrance, if Piping is Impractical, a Mountable Berm With 5:1 Slopes Will be Permitted.
7. Maintenance - The Entrance Shall be Maintained in a Condition Which Will Prevent Tracking or Flowing of Sediment Onto Public or Private Rights-of-Way. All Sediment Spilled, Dropped, Washed or Tracked Onto Public or Private Rights-of-Way Must be Removed Immediately.
8. When Washing is Required, It Shall be Done on an Area Stabilized With Stone And Which Drains into an Approved Sediment Trapping Device.
9. Periodic Inspection And Needed Maintenance Shall be Provided After Each Rain.



E1 Stabilized Construction Entrance/Exit

Scale: Not to Scale

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"

Erosion & Sediment Control Plan Schedules

- Developer Shall Construct Woodward Lake Road, Common Area Access Road, and Shared Driveways.
- Woodward Lake Road Construction Shall be Executed in Three (3) Consecutive Phases. Common Area Access Drive and Parking Area May be Constructed After Completion of Phase 1. Shared Driveways Off Woodward Lake Road Shall be Constructed After Full Completion of Woodward Lake Road. Shared Driveways Off Collins-Gifford Valley Road May be Constructed at Any Time.
- No Soil Disturbing Activities Shall Take Place When Soils are Frozen or Saturated.

General Sequence of Road Construction:

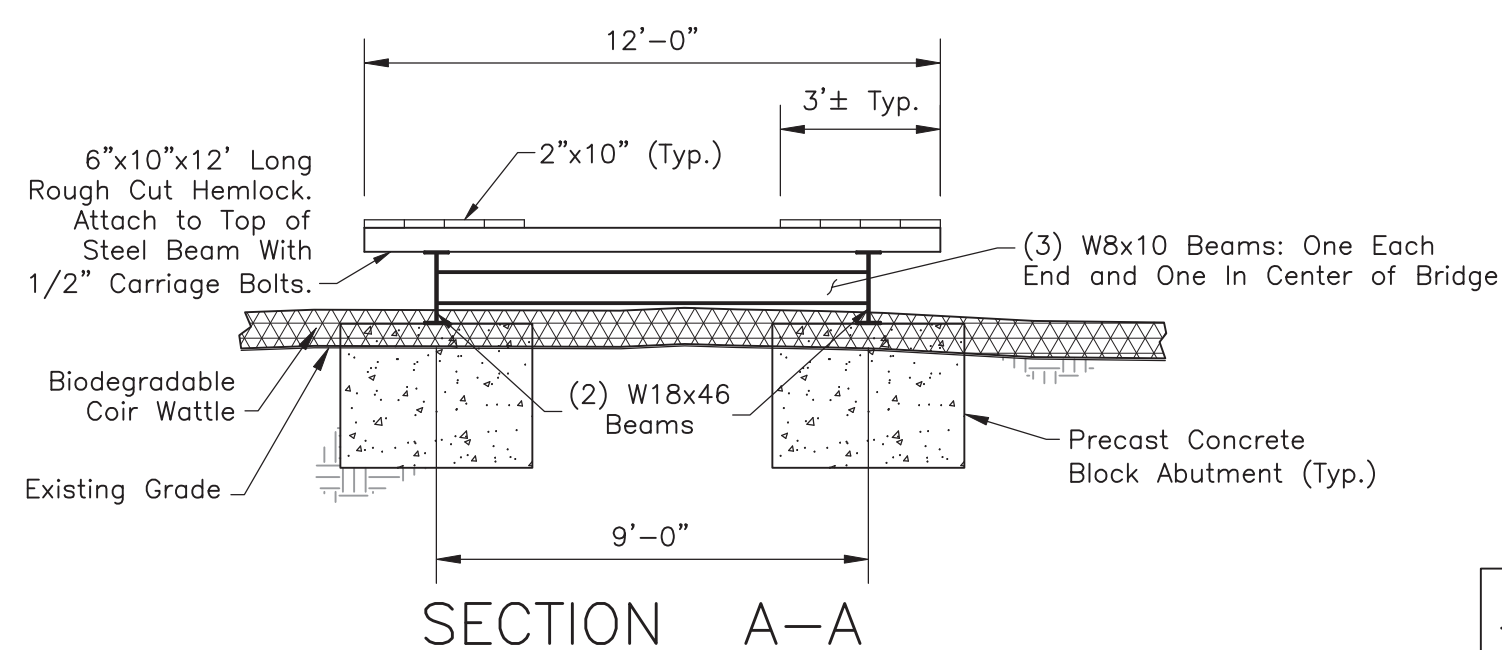
- Construction Vehicles Are To Enter/Exit The Site Utilizing Only The Stabilized Construction Entrance.
- Stabilize Any Non-Paved Areas Made Bare For Construction Routes And Equipment Parking By Topping With Gravel.
- Install Temporary Sediment And Erosion Control Measures: Install Silt Fences Above Areas To Remain Undisturbed. Reinforced Silt Fences Shall be Installed Adjacent to Wetland Areas to be Protected.
- Install Coir Wattles Along Wetland Edges Adjacent to Proposed Temporary Access Bridge Abutments.
- 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 Clearing and Grubbing. Install Temporary Abutments and Access Bridge. Complete Temporary Haul Roads and Stabilize.
- 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.
- Stabilize All Drainages, Swales, Ditches, and Bare Areas With Topsoil and Permanent Seeding. Use Mulches or Geotextiles When Seeding.
- 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 Stabilization Should be Completed Within 14 Days.
- Remove Temporary Access Bridge and Abutments and Restore Temporary Access Road Areas. Temporary Bridge Should be Re-Used In Successive Phases.
- Remove Temporary Controls And Restore And Stabilize The Areas They Occupied.
- Complete Final Grading And Stabilization.
- 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 Clearing 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 Drainages, Ditches/Swales, and Bare Areas With Topsoil and Permanent Seeding. Use Mulches or Geotextiles When Seeding.
- 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 Stabilization Should be Completed Within 14 Days.
- 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 Filters When Needed As Specified.
- Inspection Must Verify That All Practices Are Adequately Operational, Maintained Properly, And That Sediment is Removed From All Control Structures When Required.
- All Inspection Records Are To be Maintained On-Site.



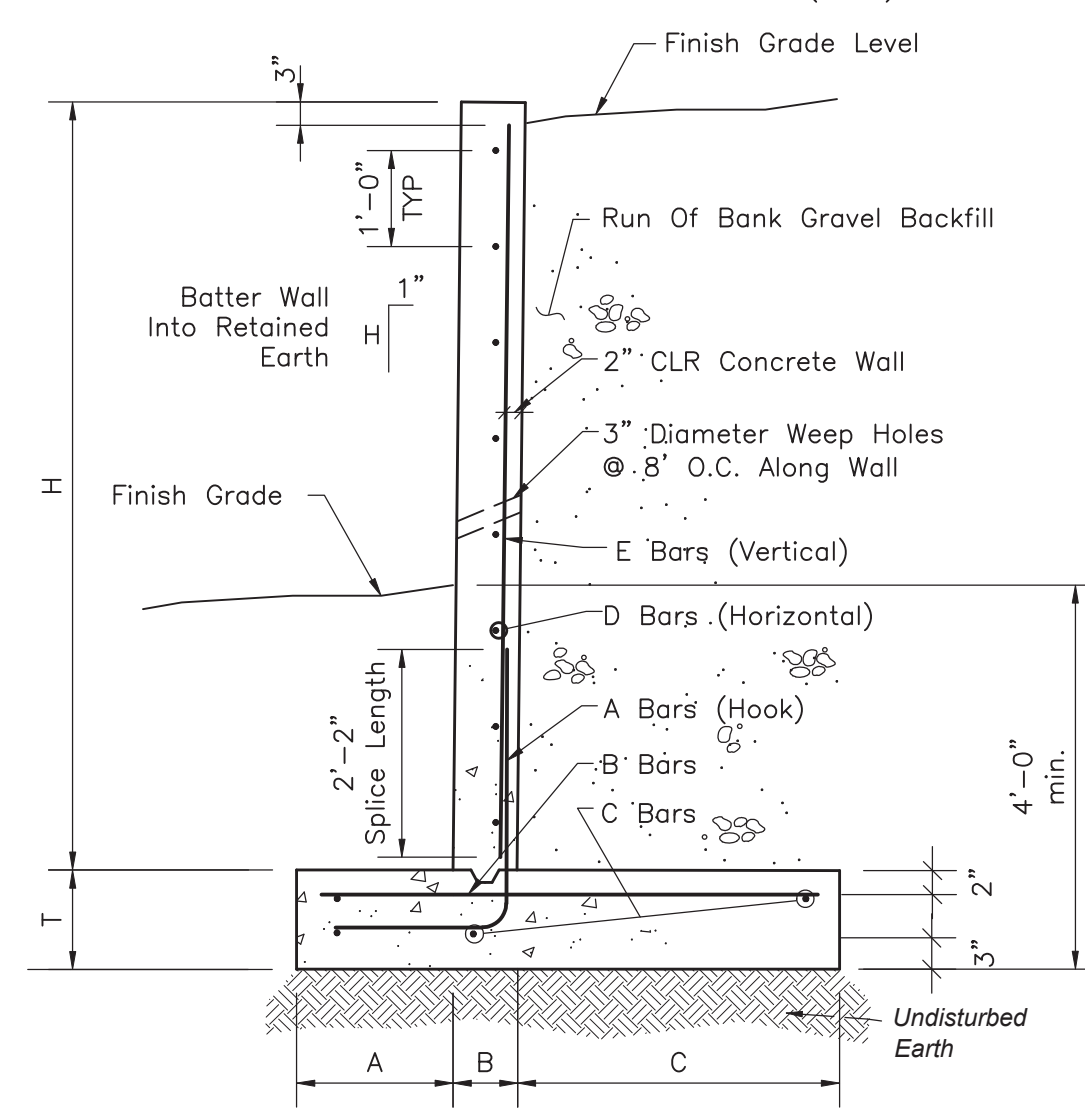
SECTION A-A

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 Shall Span Entire Stream Channel and/or Wetland Without Use of Intermediate Footing, Pier, or Other Intermediate Support.
5. Decking Shall be Butted 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 Cable or Chain. Acceptable Anchors Are Large Trees, Large Boulders, or Driven Steel Anchors. Anchoring Shall be Sufficient to Prevent the Bridge From Floating Downstream and Possibly Causing an Obstruction 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 and Other Bridging Materials 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. Removal and Cleanup Shall be Accomplished Without Construction Equipment Working in the Wetlands or Stream Channel.
13. All Areas Disturbed During Removal Shall be Stabilized Within 14 Calendar Days.

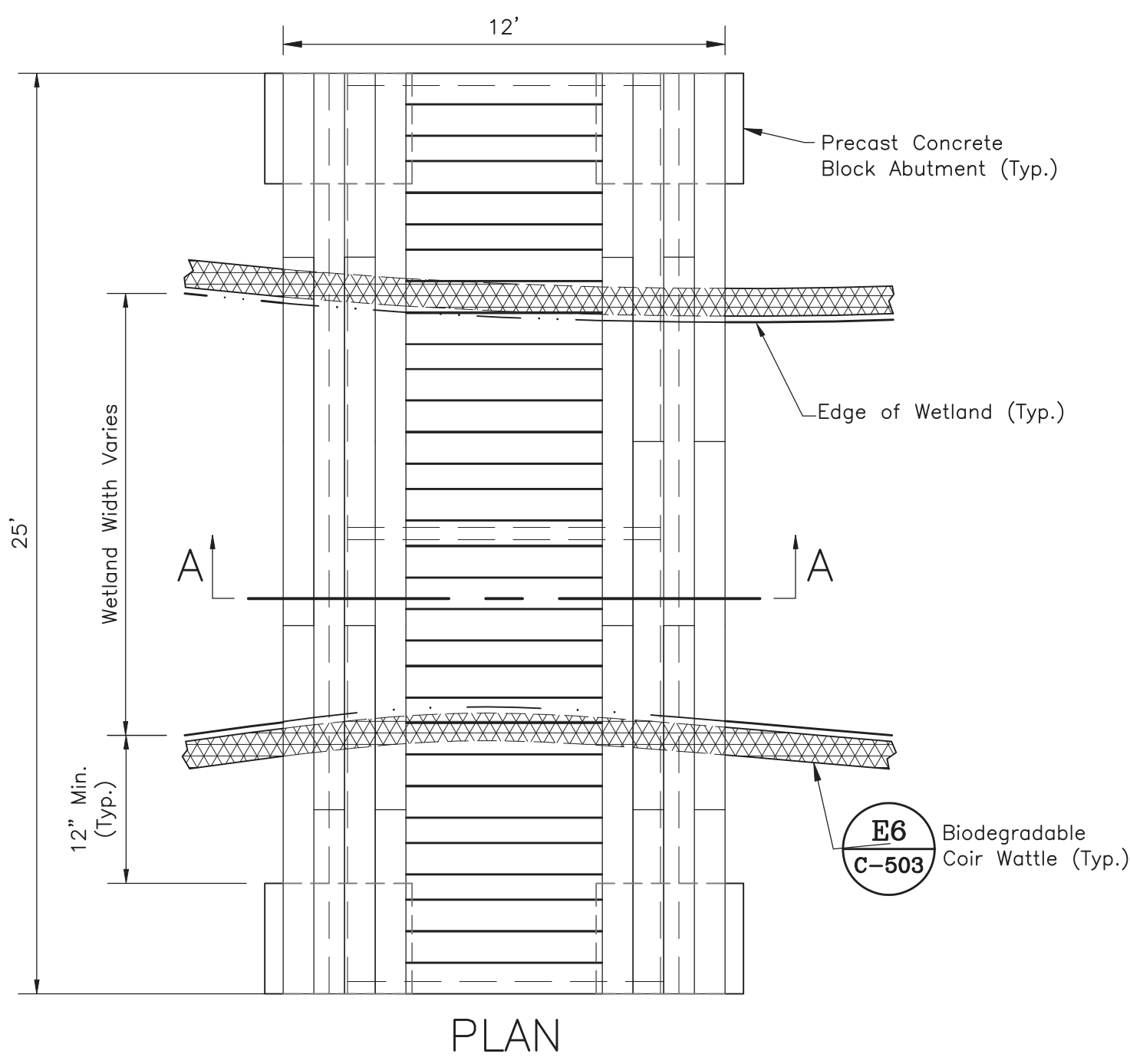
MIN. COMPRESSIVE STRENGTH CONCRETE 3,000 PSI					REINFORCING BAR TENSILE STRENGTH 60 KSI				
H	A	B	C	T	A BARS	B BARS	C BARS	D BARS	E BARS
5'-0"	6"	8"	1'-9"	1'-0"	#5@18"O.C.	#4@18"O.C.	(4) #4	#4@12"O.C.	#4@18"O.C.
6'-0"	8"	8"	2'-0"	1'-0"	#5@18"O.C.	#4@18"O.C.	(4) #4	#4@12"O.C.	#4@18"O.C.
7'-0"	1'-0"	8"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



A5 Typical Retaining Wall Section

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



PLAN

A1 Temporary Access Bridge Details

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

No.	Description	MM/DD/YY	Date
	Construction Drawing	MM/DD/YY	
	Agency Review Drawing	01/24/20	
	Drawing Log		

DRAWN BY:

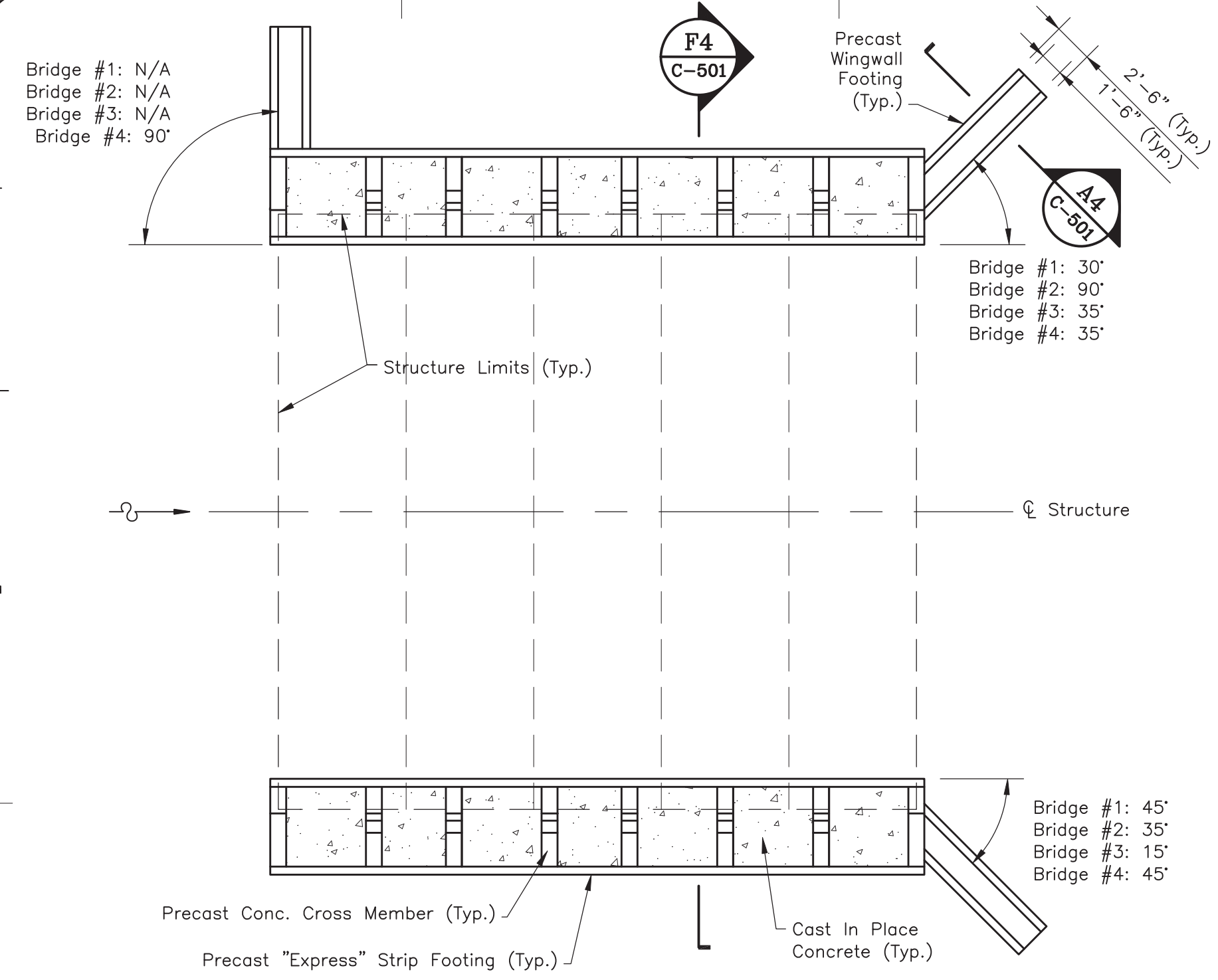
Copyright by Steven E. Smith, P.E. 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

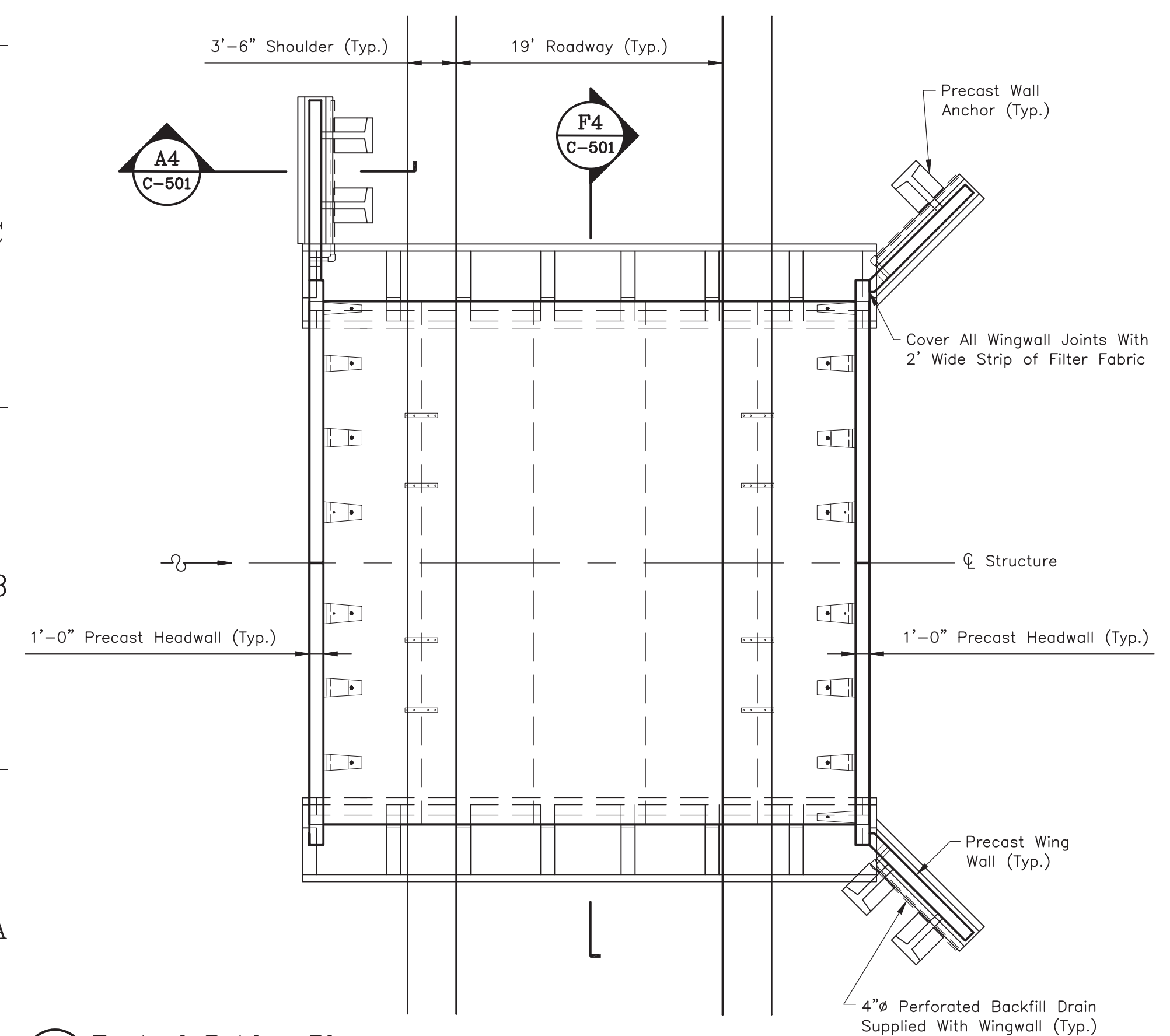
SHEET NAME:
Temporary Construction Entrance,
Bridges, and Roads;
Typical Retaining Wall;
Sequence of Construction Notes

PAGE:
C-501

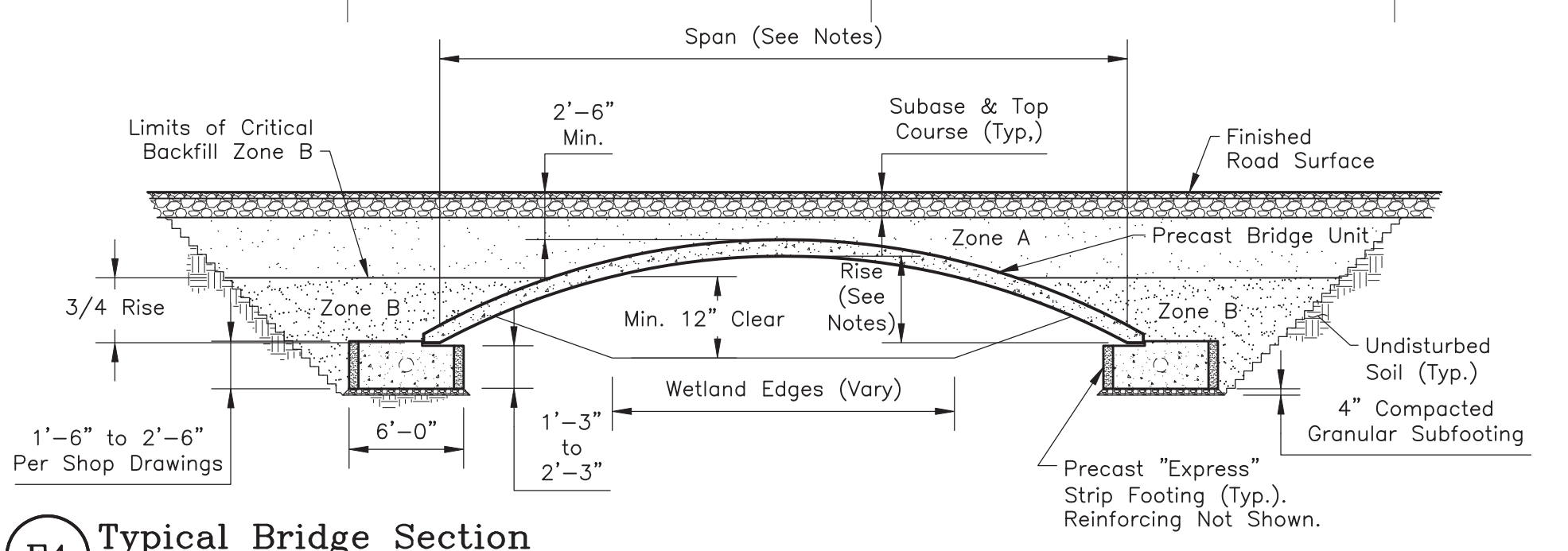


E1 Typical Bridge Foundation Plan
1/8" = 1'-0"

- Notes:**
- Bridge Length and Alignment With Road May Differ From Example Shown. Refer to Plans.
 - Wing Walls and Foundations Are Shown For Example. Proposed Number, Lengths, and Angles of Wing Walls Differ. Refer to Plans. Refer to Profiles for Footing Elevations.
 - Table Below Provides Span, Rise, and Bridge Length Specifications For Each Proposed Bridge. All Bridges are Precast Structures as Manufactured by Contech Engineered Solutions LLC.
- | | | | | |
|------------|-----------|-----------|-----------------|---------------------|
| Bridge #1: | Bebo T24, | 24' Span, | 3'-2 1/2" Rise, | 6 Units @ 6'L = 36' |
| Bridge #2: | Bebo T28, | 28' Span, | 3'-9" Rise, | 6 Units @ 8'L = 48' |
| Bridge #3: | Bebo T34, | 34' Span, | 4'-0 1/2" Rise, | 5 Units @ 8'L = 40' |
| Bridge #4: | Bebo T34, | 34' Span, | 4'-0 1/2" Rise, | 5 Units @ 8'L = 40' |



A1 Typical Bridge Plan
1/8" = 1'-0"



F4 Typical Bridge Section
1/8" = 1'-0"

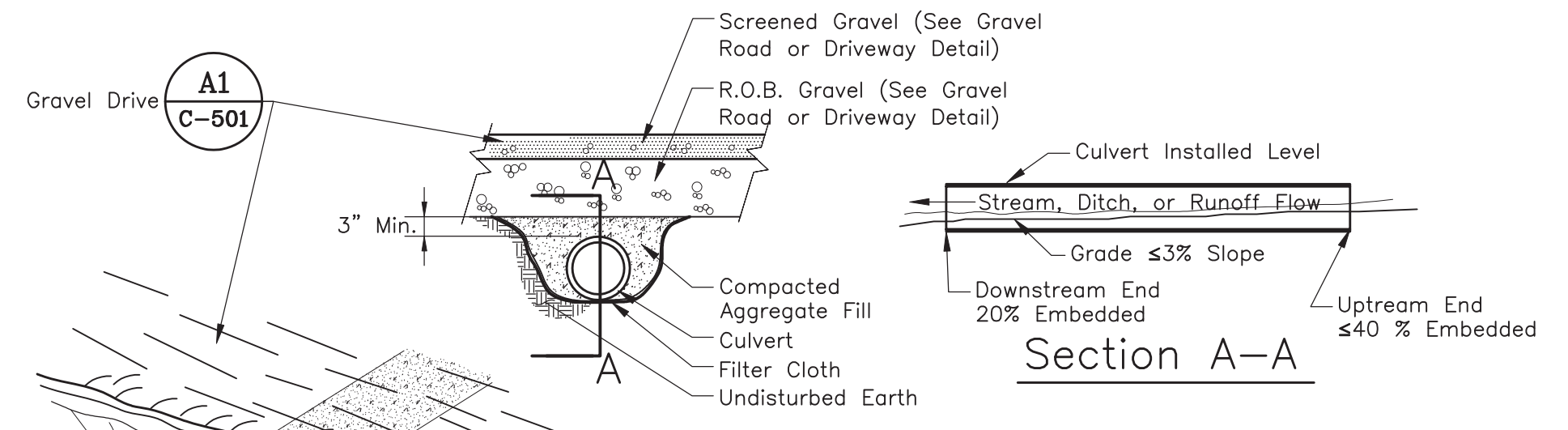
- Backfill Zone Notes:**
- Undisturbed or In-Situ Soil: Natural Ground Must Be Sufficiently Stable to Allow Effective Support to the Precast Concrete Bridge Units. As a Guide, Existing Natural Ground Should Be of Similar Quality and Density to Zone B Material For Minimum Lateral Dimension of One Bridge Span Outside of Bridge Footing.
 - Zone A: Fill Material With Specifications and Compacting Procedures Equal to That For Normal Road Embankments.
 - 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.
 - Zone C: Road Section of Gravel, Asphalt, or Concrete. Refer to Road Details.

Precast Reinforced Concrete Bridge Notes:

- Precast Arch, Wingwall, and Foundation Units Shall Be Manufactured by Contech Engineering Solutions. Installation Shall Be In Accordance With the Manufacturer's Instructions and Specifications.
- The Foundations for Precast Concrete Bridge Elements and Wingwalls Must Be Connected By Reinforcement to Form One Monolithic Body. Expansion Joints Shall Not Be Used.
- Precast and Cast-In-Place Concrete For Express Foundations Shall Have a Minimum 28-Day Compressive Strength of 4000 PSI. Reinforcing Steel Shall Conform to ASTM A615 or A996, Grade 60.
- Foundation Units Shall Be Set on a Minimum 4" Thick Base Layer of Compacted Granular Material the Full Width of the Foundation. Do Not Over Excavate Foundations Except Any Unsuitable Subsoil Shall Be Removed and Replaced With Well-Compacted Foundation Material. Compacted Backfill Material Must Be Placed Up to the Top of the Precast Foundation Units on Both Sides Prior to Placing Cast-In-Place Concrete Portion of Foundations.
- Concrete Surfaces Which Cast-In-Place Concrete Will Be Placed Against 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.
- Cast-In-Place Concrete Mix Used to Fill Foundation Shall Be Able to Flow into Arch Shim Space or Non-Shrink Grout Shall Be Placed Under Arch Unit Leg at Foundation Cross Members Prior to Placement of Cast-In-Place Concrete.
- The Bridge Units and Wingwalls Shall Be Set on Masonite 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 or the Bottom of the Wingwall. Avoid Lateral Spreading of the Bridge Elements During and After Placement. A Sufficient Quantity of Hardwood Wedges Must Be Available and On Site. The Wedges Are Placed in the Key and Smaller Shims and Wedges Added Before Complete Release of the Precast Concrete Bridge Element From the Crane.
- Joints Between Bridge Units and Between End Bridge Units and Headwalls Shall Be Sealed In Accordance With the Manufacturer's Specifications. Joints Between End Bridge Units and Wingwalls Shall Be Sealed With a 2' Strip of Filter Fabric. Any Lift Holes Shall Be Primed and Covered With a 9"x9" Square of Joint Wrap.
- Grouting: Fill Bridge-Foundation Keyway With Cement Grout Having a Minimum 28-Day Compressive Strength of 3000 PSI. Vibrator As Required to Ensure Entire Key Around Bridge Element is Completely Filled.
- Backfill: Do Not Perform Backfilling During Wet 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". Backfill of Zone B Shall Be Compacted to a Minimum Density of 95% Standard Proctor Per AASHTO T-99. Soil Within 12" of Concrete 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.

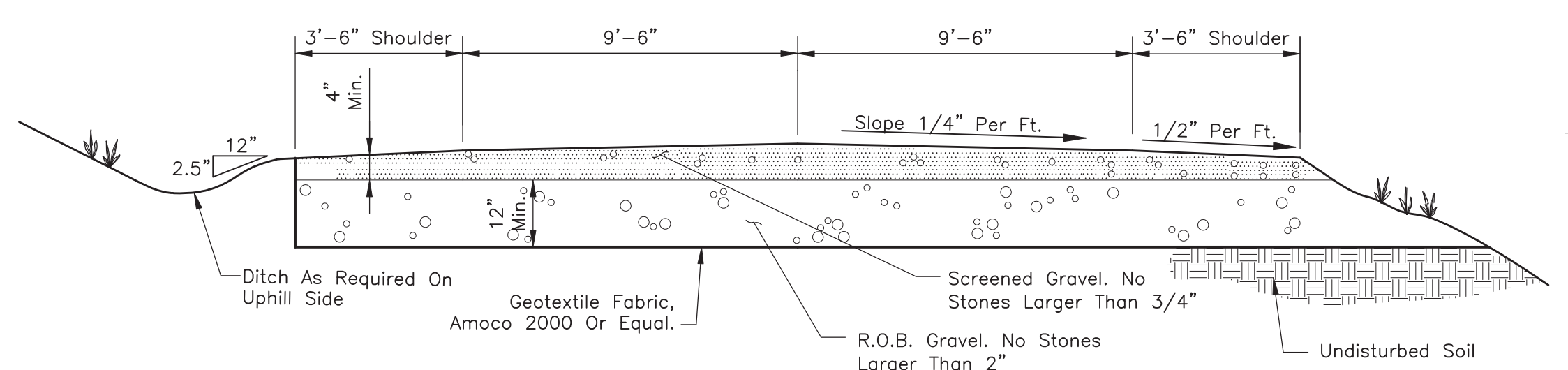
Acceptable Soils For Use In Zone B Backfill

AASHTO Group	AASHTO Subgroup	Percent Passing US Sieve #10	Percent Passing US Sieve #40	Percent Passing US Sieve #200	Character of Fraction Passing No. 40 Sieve	Soil Description		
A-1	A-1a A-1b	50 max	30 max 50 max	15 max 25 max	Liquid Limit Plasticity Index	Largely Gravel But Can Include Sand & Fines Gravelly Sand or Graded Sand. May Include Fines		
A-2	A-2-4 A-2-5			35 max 35 max	40 max 41 max	10 max 10 max	Sands, Gravels With Low-Plasticity Silt Fines Sands, Gravels With Plastic Silt Fines	
A-3			51 min	10 max	Non-Plastic		Fine Sands	
A-4				36 min	40 max	10 max		Low-Compressibility Silts

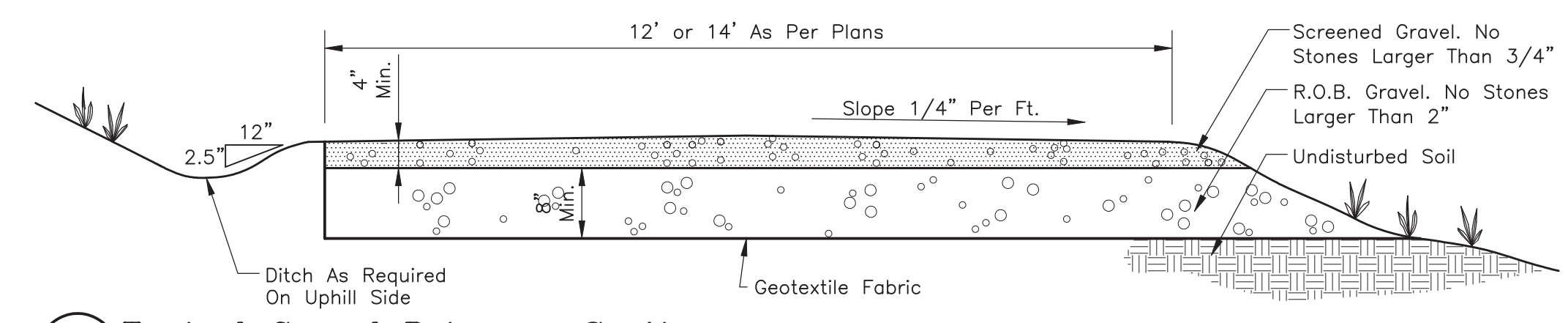


- Notes:**
- See Site Plans C-101 Thru C-115 For Locations, Sizes, and Lengths.
 - Culvert installation should take place "In The Dry", to facilitate construction and reduce downstream impacts from turbidity and sedimentation. This may require piping or pumping the stream flow around the work area and the use of cofferdams. The duration of dewatering should be kept to a minimum and flows immediately downstream of the worksite should equal flows immediately upstream of the worksite.

C6 Typical Culvert Detail
Not To Scale



B6 Typical Gravel Road Section
Scale: N.T.S.



A6 Typical Gravel Driveway Section
Scale: 1/2" = 1'-0"

A4 Typical Wingwall Section
1/4" = 1'-0"

STEVEN E. SMITH, P.E.
CIVIL & ARCHITECTURAL ENGINEERING
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

No.	Description	MM/DD/YY
	Revision Schedule	Date
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

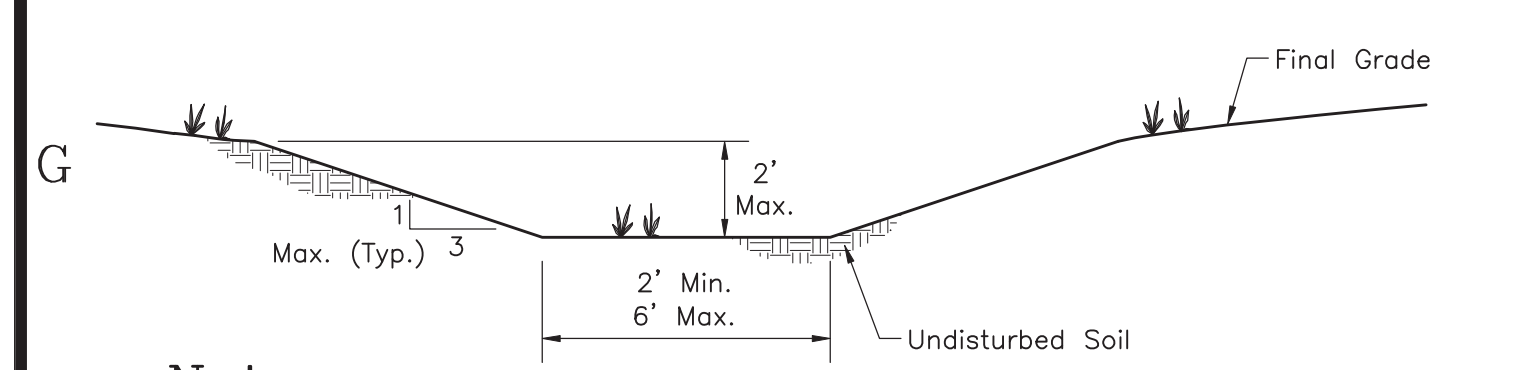
Copyright by Steven E. Smith, P.E. 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

PAGE:
C-502



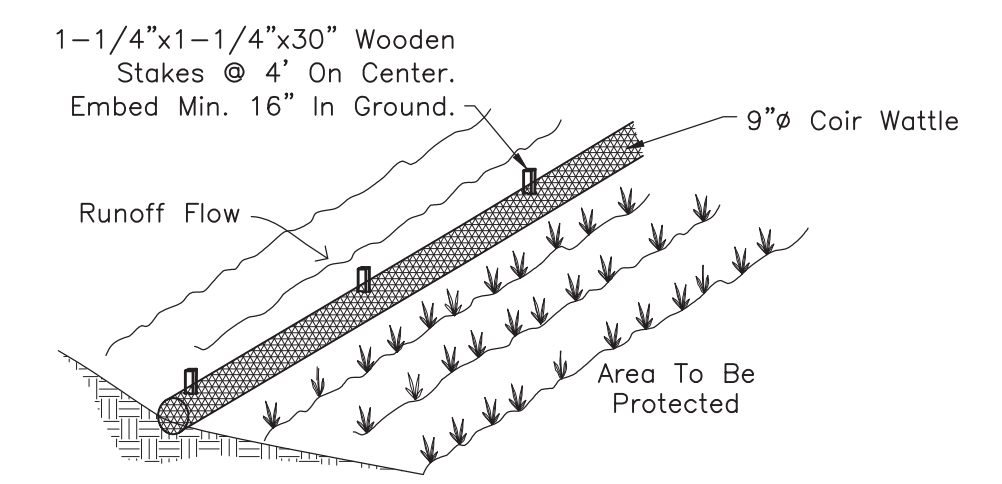
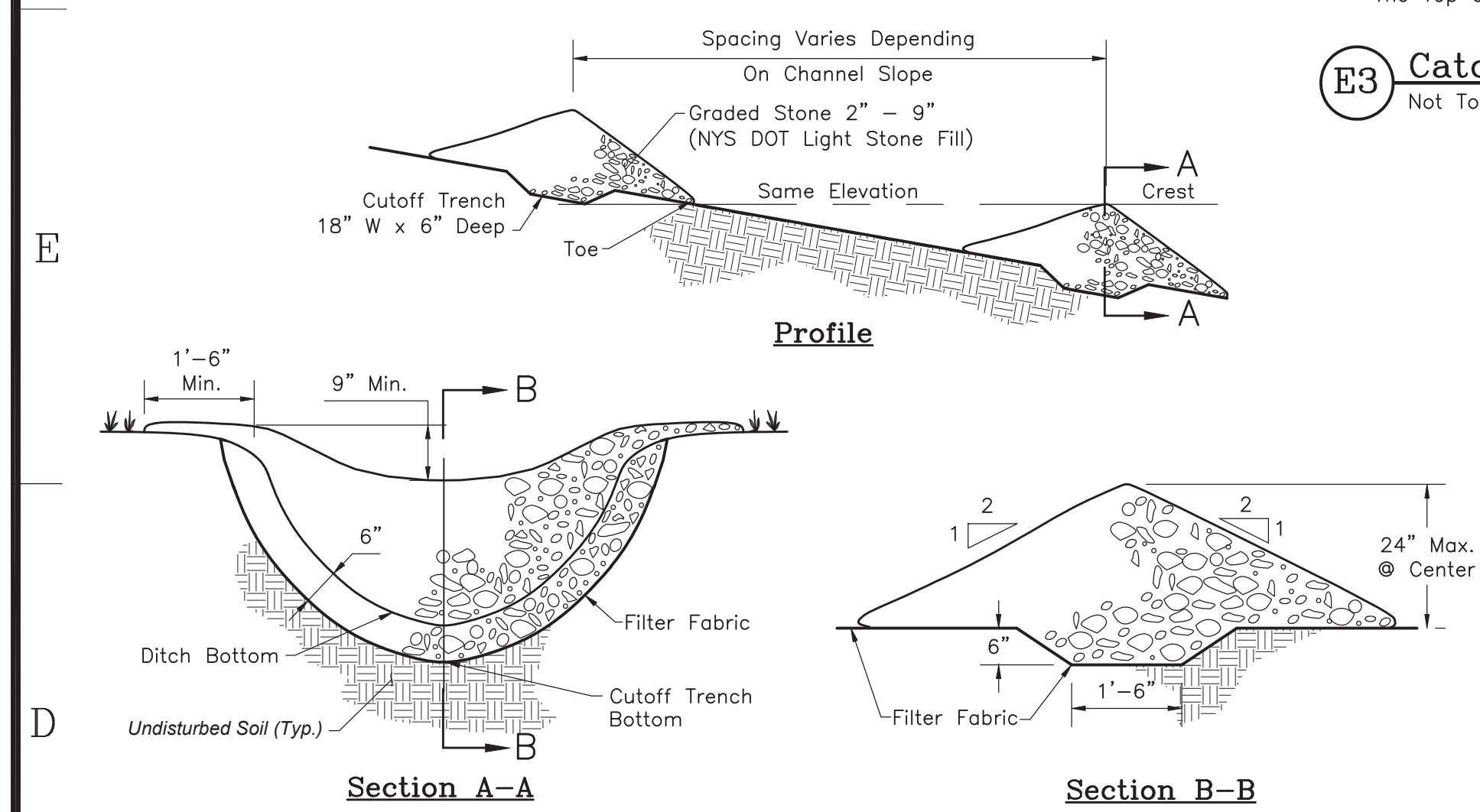
Notes:
Construct Swale After Final Grading Of Contributing and Adjacent Areas Have Been Completed. Remove All Brush, Stumps, and Objectionable Material. Shape Or Excavate Swale To Smooth Line, Grade, and Cross Section. On Slopes Greater Than 4%, Install 12" High Stone Check Dams Every 1' Drop In Bottom Elevation. Provide 4 Inches Topsoil. Remove All Stones and Debris That May Hinder Flow and Maintenance. Apply Seed Mixture; Roll Or Culti-Pack Seeds 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"

- Specifications:**
- Sweep Sediment, Ice, Snow, Debris From Around Drain Area.
 - Trim Mat to Fit Size of Drain/Grate. Mat Should Extend Beyond Edge of Drain Cover or Rim At Least 1" On All Sides.
 - Place Mat On Grate Mesh Side Down. Position Filter So That It Completely Covers Grate With Overlap On All Sides.
 - Push Zip Ties Through Grate, Around Bar, and Back Up Through Filter. Insert Pointed Ends of Zip Tie Into Receiving Ends. Pull Free Ends of Ties To Tighten Filter To Grate. Cut Off Free Ends, Leaving a 1" Tail.
 - To Maintain, Sweep Debris and Sediment From Around Edges and Off The Top of The Filter As Needed.

E3 Catch Basin Protection Detail
Not To Scale



- Notes:**
- Coir Wattles Shall Consist of Coir Twine Exterior Netting With Knotted Junctions and Shall Have An Inner Core of Double Cleaned Unsorted Coir Fiber. Wattles Shall Be Biodegradable and As Produced By GEI Works or Equal.
 - Install by Placing Wattle in a Shallow Trench At Edge of Wetland or Area to Be Protected, and Stake at 4' O.C.
 - Maintenance Shall Be Performed As Needed And Material Removed When Sediment Accumulates to No More Than 3" Below the Top of the Wattle.

C4 Typical Coir Wattle Detail
Not To Scale

- Specifications:**
Posts: 36" or 48" High, 1-1/4" Nominal Square Hardwood
Fence Backing: 14 or 16 Ga. Woven Wire, 4" Max. Mesh Opening or Oriented Polypropylene Mesh
Filter Cloth: 24" or 36" Width Mirafi 100X, AC7 Environmental Super Silt Fence, or Approved Equal
Prefabricated Structure: Mirafi Envirofence, Everbilt, or Approved Equal

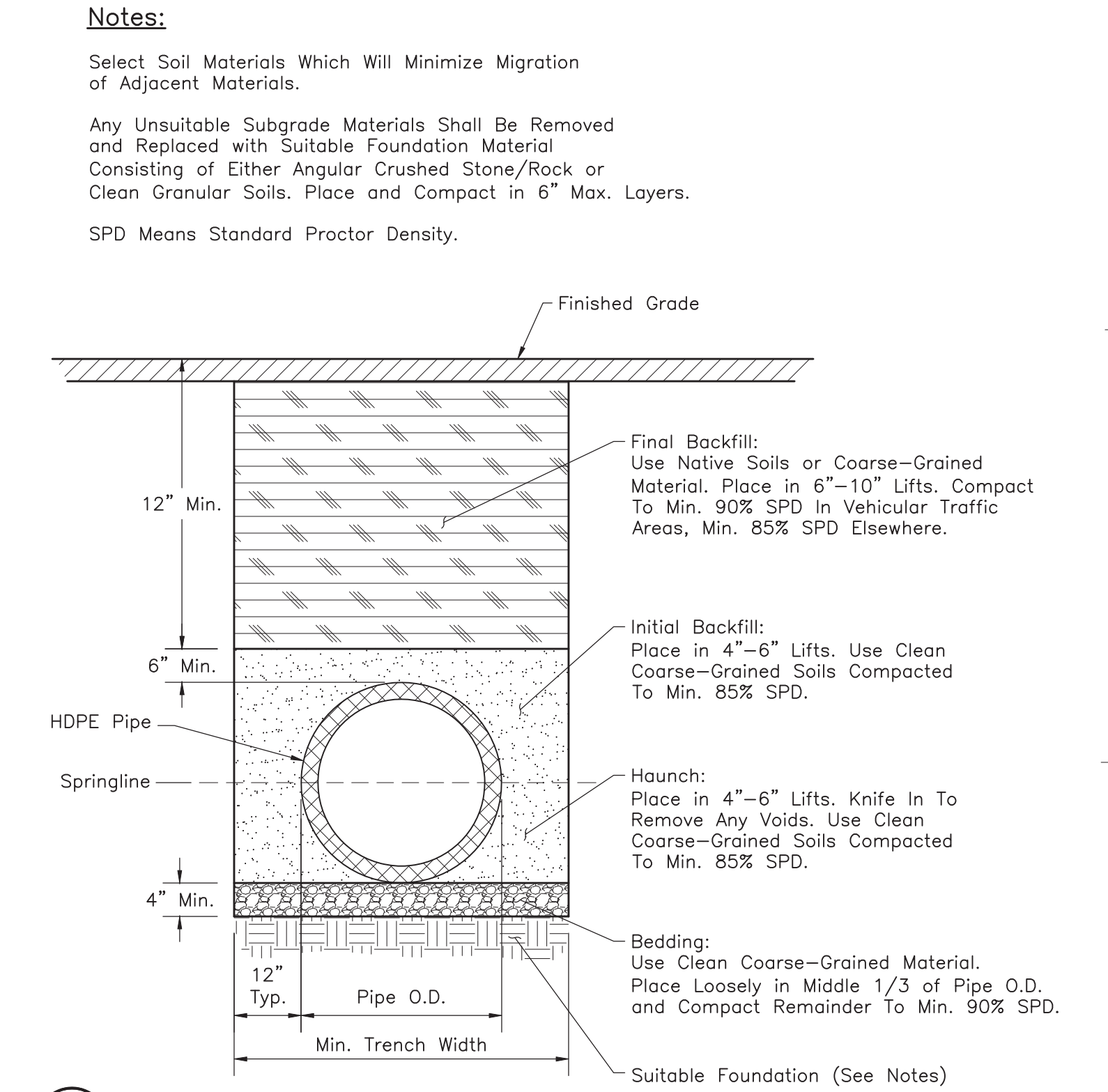
- Notes:**
- Reinforced Filter Cloth To Be Fastened Securely To Fence Posts With Wire Ties Or Staples.
 - When Two Sections Of Filter Cloth Adjoin Each Other They Shall Be Overlapped By 6" And Folded.
 - Maintenance Shall Be Performed As Needed And Material Removed When "Bulges" Develop In The Silt Fence.

E5 Typical Reinforced Silt Fence Detail
Not To Scale

- Specifications:**
Posts: 36" or 48" High, 1-1/4" Nominal Square Hardwood
Filter Cloth: 24" or 36" Width Mirafi 100X, TerraTex, or Approved Equal
Prefabricated Structure: Mirafi Silt Fence, Hones Geo Components, or Approved Equal

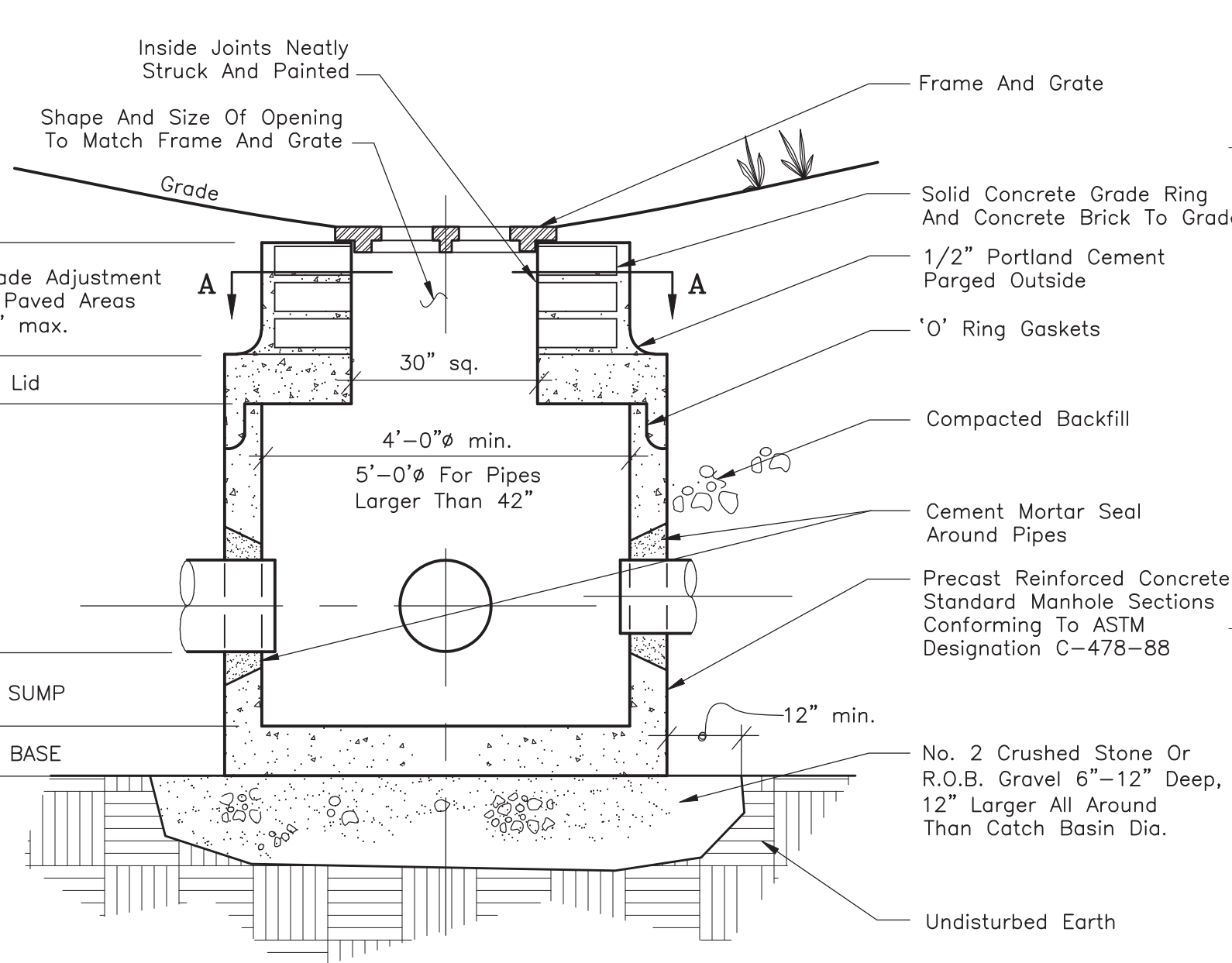
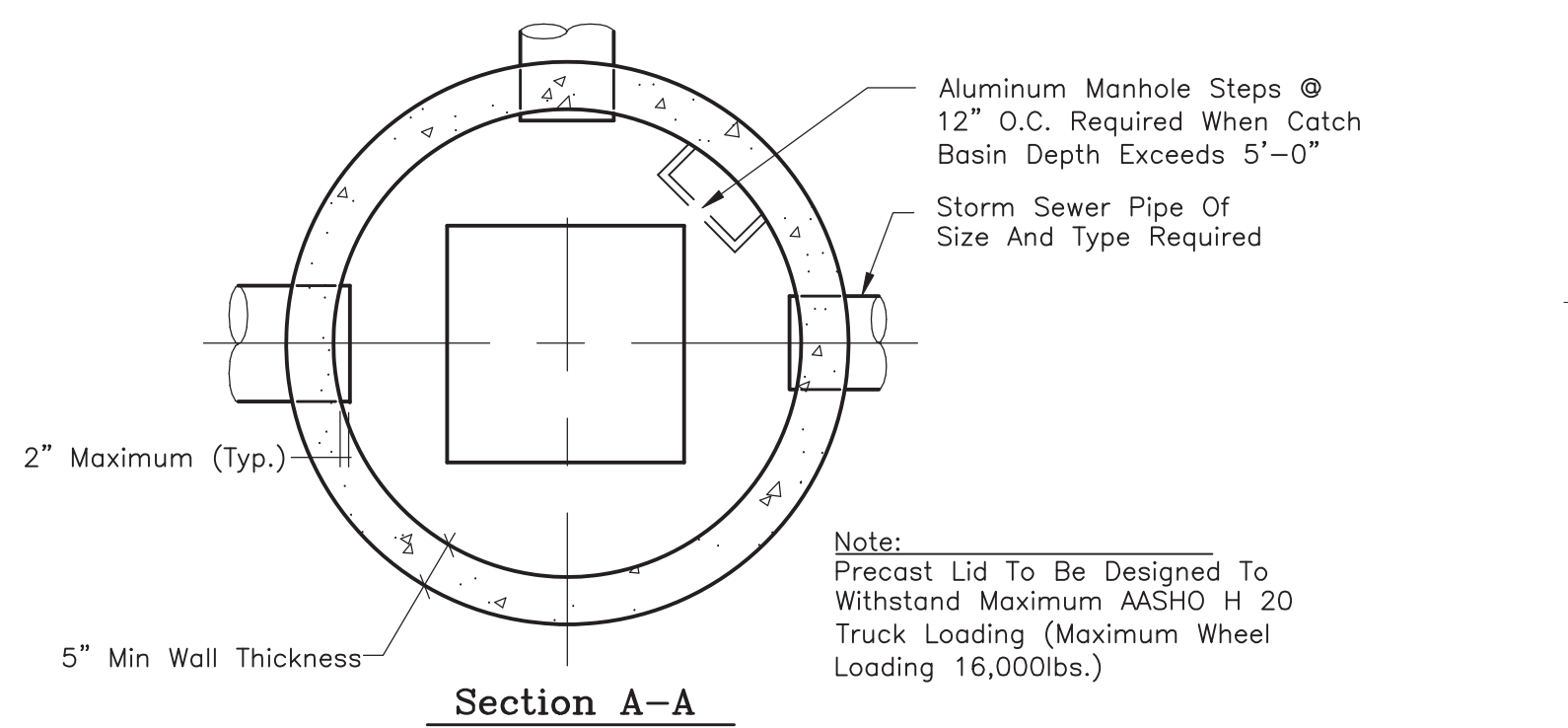
- Notes:**
Filter Cloth To Be Fastened Securely To Posts With Staples. When Two Sections Of Filter Cloth Adjoin Each Other They Shall Be Overlapped By 6", Folded, and Stapled. Maintenance Shall Be Performed As Needed And Material Removed When "Bulges" Develop In The Silt Fence.

C5 Typical Silt Fence Detail
Not To Scale



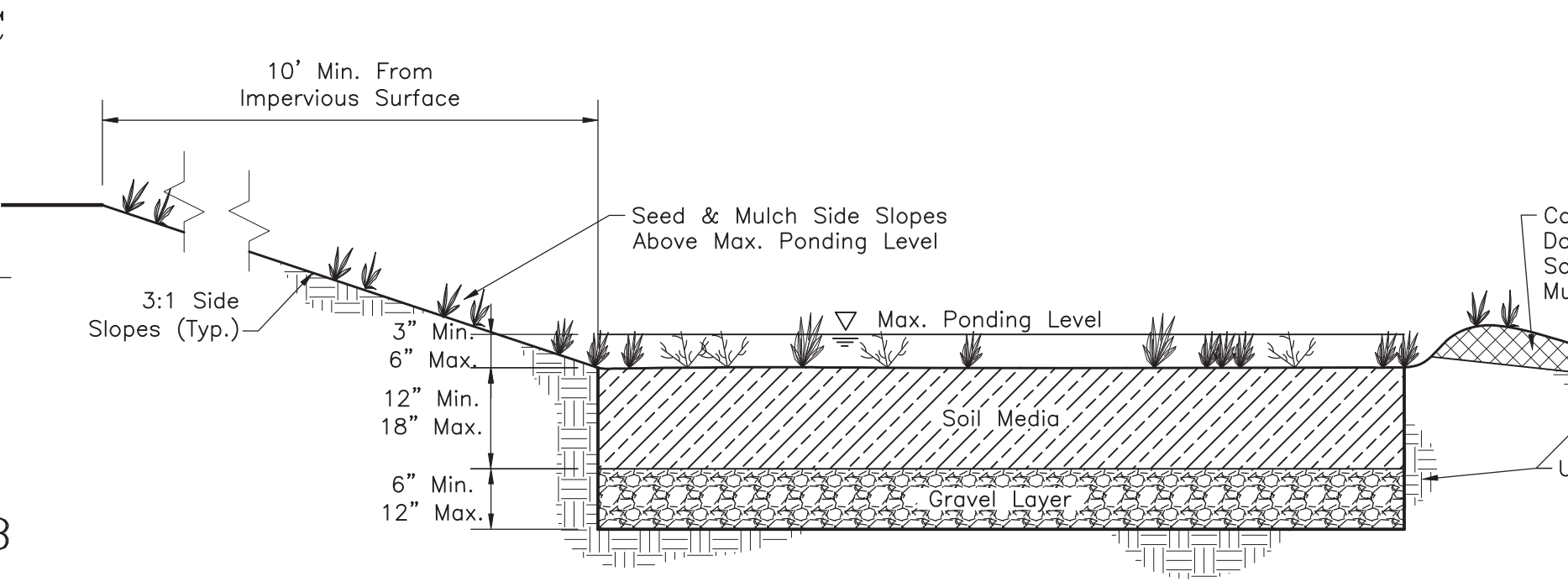
E7 Typical HDPE Pipe Trench Detail
Not To Scale

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".



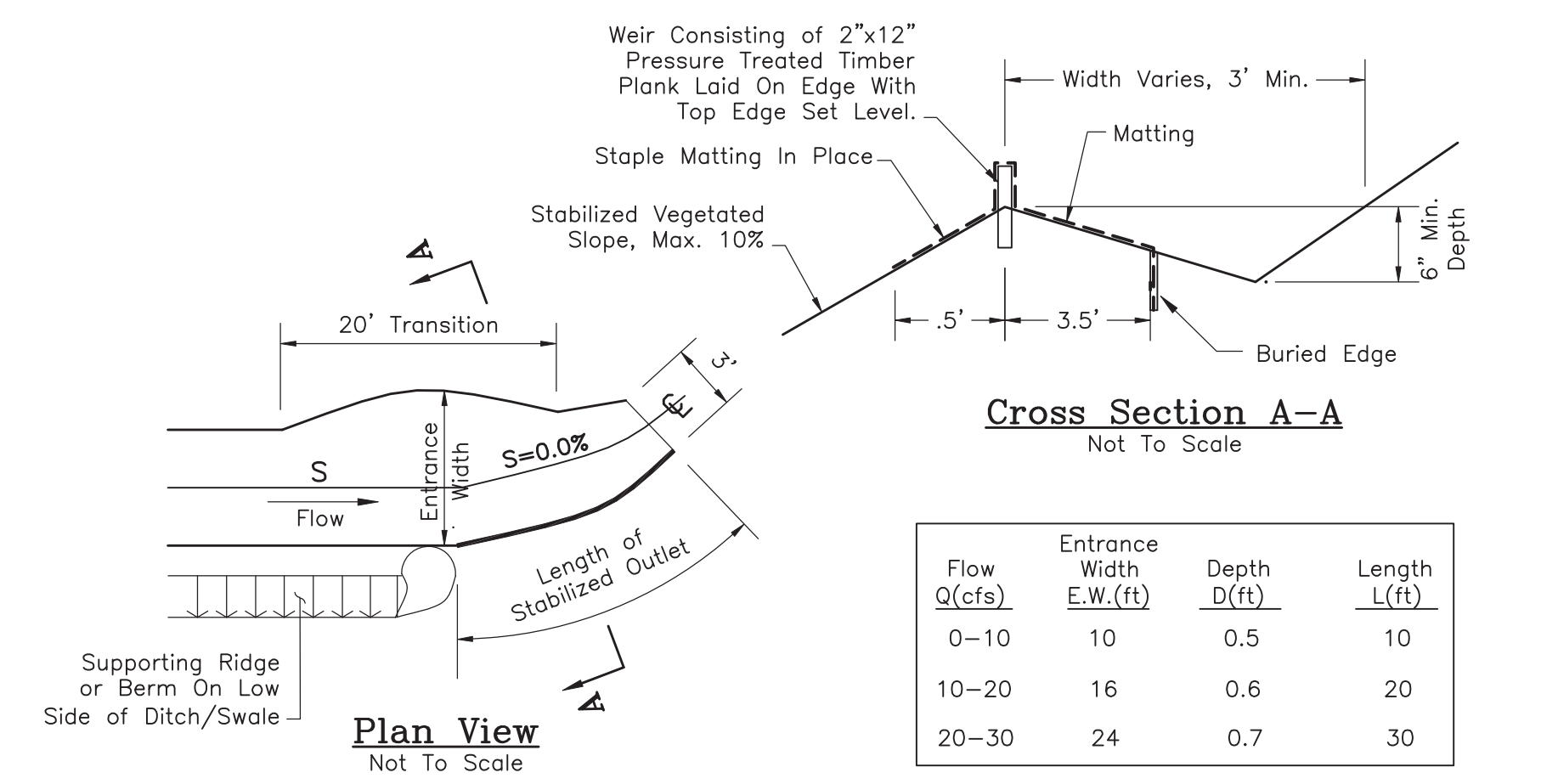
- Construction Specifications:**
- Stone Will Be Placed On A Filter Fabric Foundation To The Lines, Grades, and Locations Shown On The Plan.
 - Set Spacing of Check Dams To Assume That The Elevations Of The Crest Of The Downstream Dam Is At The Same Elevation Of The Toe Of The Upstream Dam.
 - Extend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

C1 Check Dam Detail
Not To Scale



- Construction Notes:**
- 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).
 - 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.
 - Excavate Proposed Garden To A Depth of 24", Then Backfill With Gravel, Followed By Soil Mix.
 - Gravel Shall Consist of Clean Washed 1/2"-2" Diam. Stone.
 - 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.
 - Plant Container-Grown Plants With Well-Established Root Systems. Use Only Native Plant Species. Select a Mix Of Upland and Wetland Native Shrubs, Grasses, and Herbaceous Plant Material. Arrange in a Natural Configuration Starting From the More Upland Species At Outermost Zone To More Wetland Species At the Innermost Zone. After Planting, Apply a 2" Layer of Shredded Hardwood Mulch Or Leaf Compost - Avoid Wood Chips.

A1 Typical Rain Garden Section
Not To Scale



- Construction Specifications:**
- The Matting 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.
 - Ensure That The Weir Is Level To Uniformly Spread Discharge.
 - The Weir Shall Be Placed In Undisturbed Soil Not Fill.
 - 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.
 - The Runoff Discharge Will Be Outleted Onto A Stabilized Vegetated Slope Not Exceeding 10%.
 - Seed And Mulch The Disturbed Area Immediately After Construction.

A4 Level Spreader Details
Not To Scale

No.	Description	01/24/20	Date
Revision Schedule			
	Construction Drawing	MM/DD/YY	
	Agency Review Drawing	01/24/20	
	Drawing Log		
DRAWN BY: BCT			

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

PAGE:
C-503

Septic System Maintenance

OPERATION

- Excessive use of detergents, laundry or kitchen wastes or household chemicals may be harmful.
- Septic tank additives are not recommended or necessary.
- Garbage grinders are not recommended. Increase the septic tank capacity and install an outlet filter, if one is used.
- Do not direct footing drains, downspouts or any stormwater runoff into or towards the system.
- Large volume discharges will upset the septic tank. Limit draining rate of hot tubs etc. to less than five gallons per minute.
- Do not burden the system with unnecessary flow. Check regularly for leaky fixtures and defective toilet valves.
- Avoid disposal of cigarette butts, disposable diapers, feminine hygiene products, plastic, trash, etc. into the system.
- Never permit vehicles or heavy equipment to pass over the absorption system.
- For Systems With Pumped Dosing:
In The Event Of Pump Failure, Curtail Water Use To Minimize Discharge To The Septic And Pump Tanks. Approximately One Day Of Reserve Capacity Is Available Under Normal Usage Conditions. Upon Effecting Repairs, The Pump Must Be Operated Manually As Described Below, To Avoid Overloading The Absorption System. (This Does Not Apply To Resumption From A Power Outage During Which Little Or No Water Is Available).
- Manual Pump Operation Following Repair: From The Control Panel, Run The Pump Using The "HAND" Setting For 2 Minutes Then Shut It "OFF". Wait At Least 2 Hours, Then Run The Pump Another 2 Minutes. Repeat This Cycle, Allowing At Least 2 Hours Between Run Times. Once The Alarm Light Has Gone Out, Wait 2 Hours, Run A Final Manual Pump Cycle, Then Place The Pump Control To "AUTO" To Resume Normal Automatic Operation. Minimize Water Use During This Procedure As It Could Result In Additional Cycle Requirements, Thus Prolonging The Operation.

INSPECTION & MAINTENANCE

Tip: Make a sketch with pen on a piece of duct tape showing the location, with dimensions, of your septic tank, pump tank, and absorption system with respect to the house. Tape it to the house sewer pipe where it exits the foundation.

Septic Tank & Pumping System

- Pumping your septic tank at the right time is the single most important maintenance procedure. Solids flowing into the absorption facility leads to rapid clogging and premature failure, requiring the system to be replaced. The tank should be pumped every two to three years or whenever (1) the depth of sludge and scum exceeds 1/3 of the tank depth, or, (2) the bottom of the scum layer is within three inches of the bottom of the outlet baffle, or, (3) the top of the sludge layer is within ten inches of the bottom of the outlet baffle.
- Concrete baffles and tees may deteriorate over time and must be replaced. Inspect when the tank is pumped out.
- The tank must be replaced if there are leaks or cracks in the tank which cannot be repaired.
- Inspect and clean or replace the outlet filter regularly if one is used.
- Periodically inspect the pump and float switches, including the alarm function, for proper operation.
- The pump basin should be inspected at the time the septic tank is pumped out.

Distribution Device

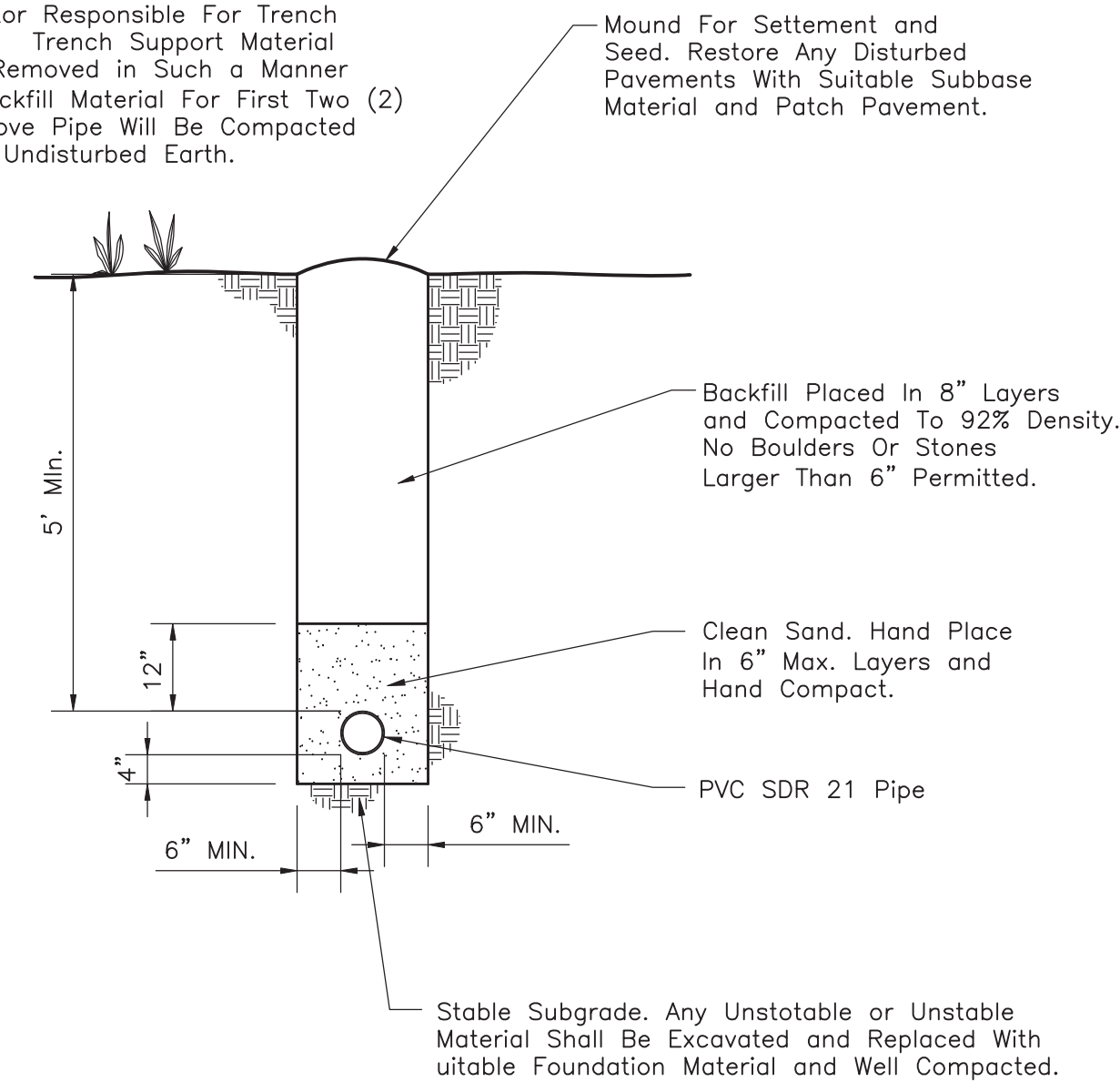
- Inspect the distribution box annually to ensure equal flow to each lateral. The use of speed levelers aids proper distribution and is encouraged.

Absorption System

- Keep tree roots away from the immediate area of the absorption system.
- Keep swimming pools away from the absorption field.
- Do not pave over the absorption system.
- Increasing the size of the house may require increasing the size of the absorption system as well as other components of the system.
- Do not regrade or landscape such that surface water is directed toward the absorption system.

NOTE:

Contractor Responsible For Trench Support. Trench Support Material To Be Removed In Such A Manner That Backfill Material For First Two (2) Feet Above Pipe Will Be Compacted Against Undisturbed Earth.



E4 Typical Water Line Trench Detail
Scale: 1/2" = 1'-0"

Water System Notes

Well Construction Shall Be In Accordance With Appendix 5-B of the New York State Sanitary Code.

The Well Shall Be Constructed by a Well Driller Registered With the NYS Dept. of Environmental Conservation.

The Well Must Yield a Minimum of 5 GPM. Disinfection, Pressure, and Leak Testing of the Well Shall Be Performed In Accordance With Current AWWA Procedures. A Water Sample Shall Be Analyzed for Bacteria by a NYSDOH Certified Laboratory. The Contractor is Responsible for Sample Collection and Delivery to a Laboratory.

A Copy of the Well Driller's Log With Information Relating to Well Yield, Pump Location and Horsepower, and a Copy of the Lab Report Showing Satisfactory Water Supply Bacteriological Quality Shall Be Submitted to the Engineer.

General Notes

On Any Lot, All Proposed Structures, Septic System Components, and Well Location Shall Be Staked Out Prior To Construction. Verify That Separation Distances Meet Applicable Criteria. Separation Criteria Are Provided On The Typical Lot Development Sheet and Must Be Met Or Exceeded.

Install All Required Erosion and Sediment Controls Prior To Clearing Or Grading The Site. Refer To The Typical Lot Development Sheet For Guidance.

The Materials and Specifications Noted On The Plans Must Be Utilized Unless Alternates Are Accepted and Approved In Writing by the Design Engineer.

Follow All Manufacturers' Instructions for Component Installation Unless Otherwise Directed by the Design Engineer.

All Electrical Equipment Installed Must Be New York State Board of Fire Underwriters Certified.

Sewage System Notes

Construction and Installation Shall Be In Accordance With The Rules, Regulations, and Standards of the Adirondack Park Agency and the New York State Dept. of Health As Set Forth In 10NYCRR Appendix 75-A. Where There Are Differences, The More Restrictive Shall Apply.

The Wastewater Treatment Systems Are Designed And Approved Based On The Installation Of Water Conserving Fixtures And A Design Flow Of 110 Gallons Per Day Per Bedroom. The Systems Are Not Designed To Accommodate Extreme Water Use Fixtures, Such As Jacuzzi-Type Spa Tubs Or Water Treatment Equipment. The Systems Are Designed To Accommodate Garbage Grinders. The Installation Of Garbage Grinders, Non-Conserving Water Fixtures Or Extreme Water Use Fixtures Is Contrary To The Approval Of These Wastewater Treatment Systems.

No Part of the Sewage Absorption System May Be Located Under Driveways, Access Roads, Nor Any Other Areas Receiving Vehicular Traffic.

Install Septic Tank, Pump Tank (If Applicable), and Distribution Box Level On A Bed Of Sand, Gravel, or Aggregate As Specified In The Details. Location Stakes Are To Be Placed Above All Below-Grade Access Covers. Where Access Covers Are More Than 12" Below Final Grade, Provide Extension Collars Over Openings To Bring Covers Within 12" Of Final Grade.

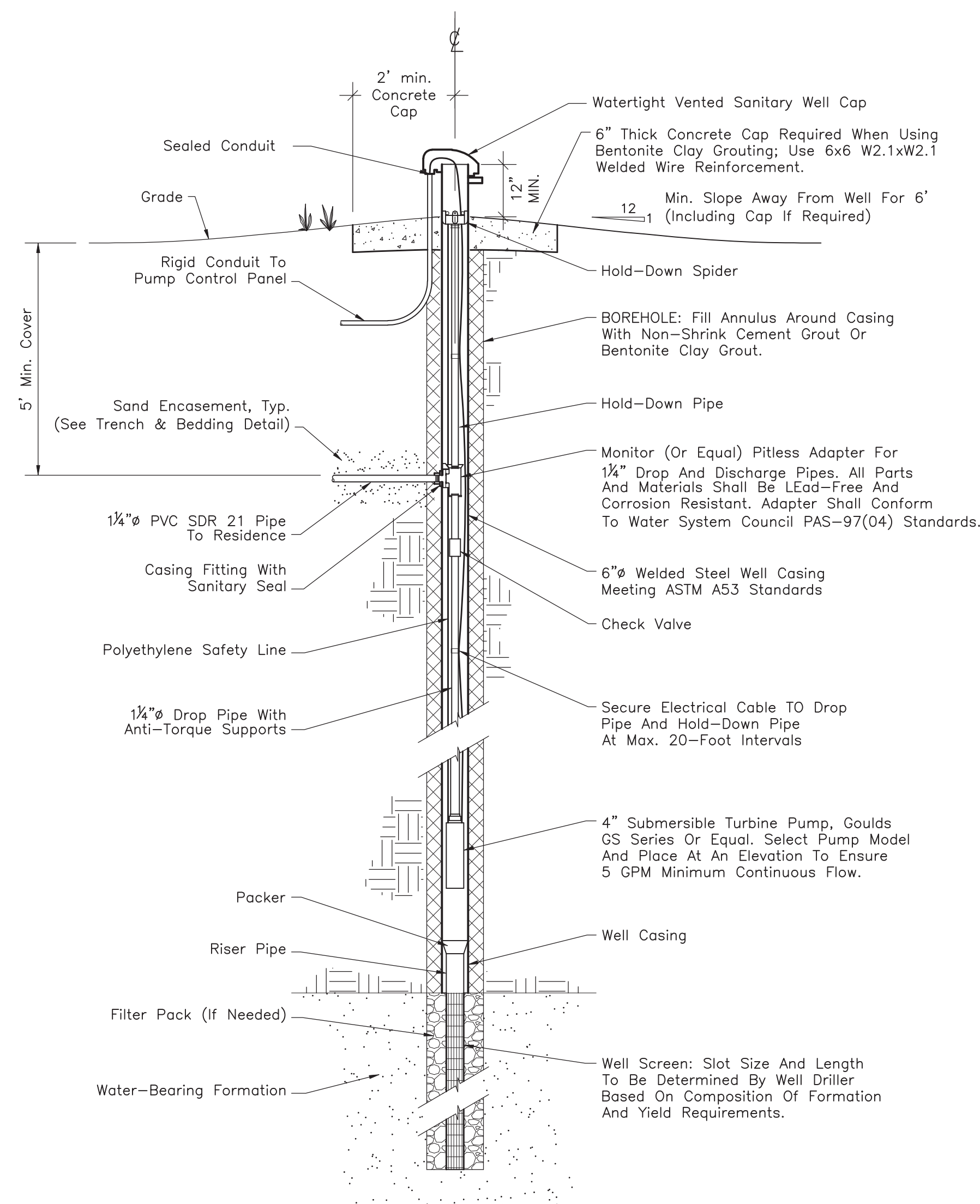
Piping:

- Raw Sewage Line shall be 4" SDR 35 PVC Sloped 1/4" per Foot, Min. A Clean-Out Should Be Installed On The Interior Side of the House Sewer; Otherwise a 2-Way Clean-Out Shall Be Installed On The Line 3' to 5' From the Foundation.
- Gravity Effluent Line Shall Be 4" SDR 35 PVC Sloped 1/8" per Foot, Min.
- Force Main Piping Shall Be 2" SDR 21 or Schedule 40 PVC. Force Main Shall Be Installed To Self Drain To Pump Basin. Install Force Main Prior To Setting Pump Tank To Ensure That Pipe Drains To Tank At Desired Level.
- Outlet Pipes Between Distribution Box and Laterals Shall Be Solid Wall 4" SDR 35 PVC Sloped 1/16" per Foot, Min. No Outlet Pipe Shall Be Less Than 2 Ft. in Length.
- Distribution Laterals Shall Be Perforated 4" SDR 35 or Schedule 40 PVC Pipe Sloped 1/16" to 1/32" per Foot. Laterals Shall Be of Equal Length; Ends Shall Be Capped.
- 90° Bends Are Not Permitted In Raw Sewage Or Gravity Effluent Lines; 45° Maximum. Two-Way Clean-outs Shall Be Installed Adjacent to Bends More Than 10' From an Access Point.
- Pipe Joints, Fittings, and Tank Connections Shall Be Made Watertight.

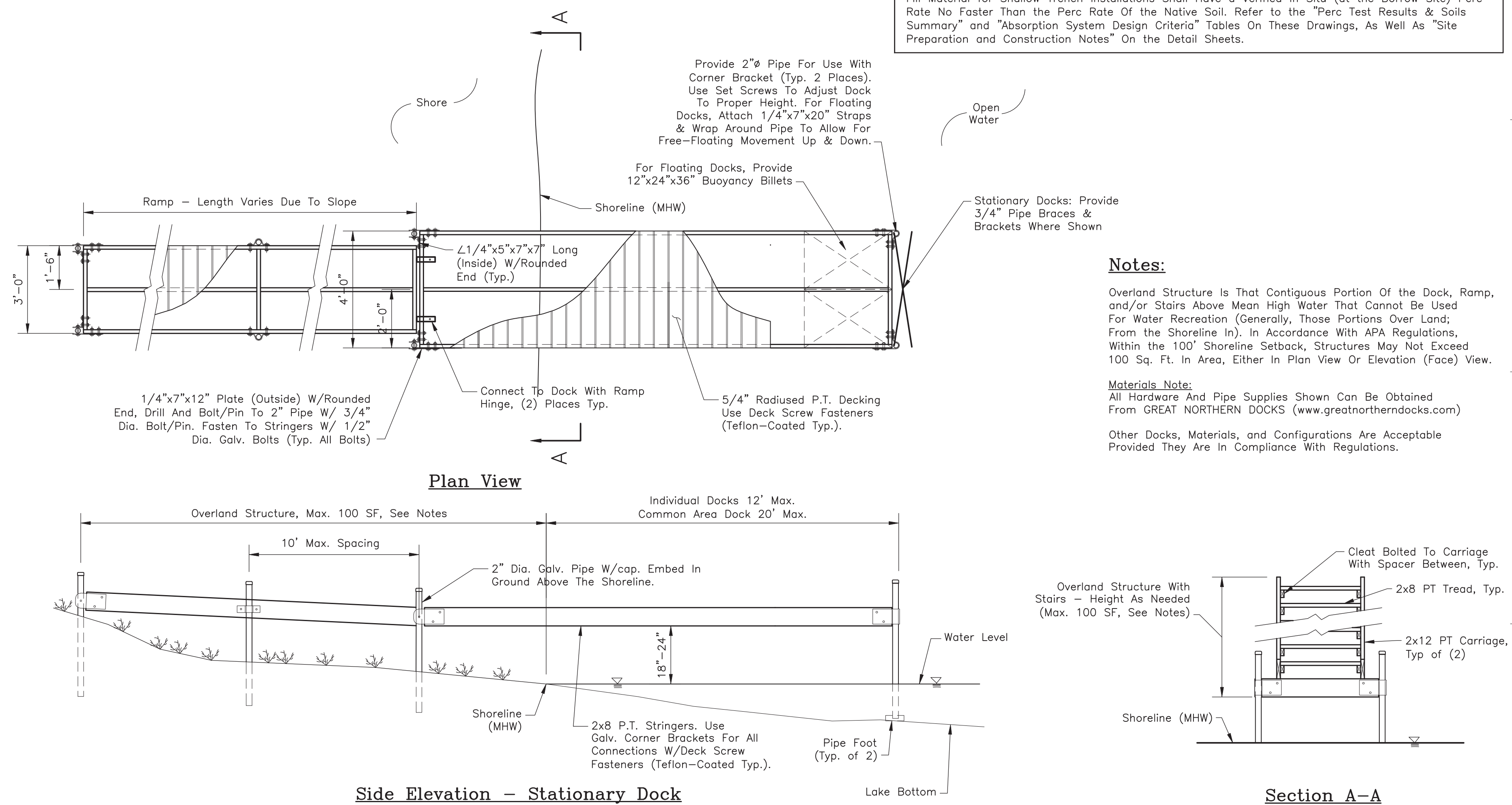
Only Infiltrator Quick4 Equalizer 36 Or ARC 24 Chambers May Be Used In Gravelless Absorption Trenches. Installation Shall Be In Accordance With the Manufacturer's Instructions. Infiltrator Laterals Shall Be of Equal Length With Ends Capped. An Inspection Port Shall Be Installed In The End Unit of Each Trench.

Location and Basic Configuration Of Absorption System For Each Lot Is Shown On The Site Plans. Absorption Field Is To Be Constructed With Distribution Lines Parallel To Original Ground Contours. Distribution Laterals May Be Curved To Follow Original Contours Provided That Trench Separation Requirements Are Met. Trench Bottoms Shall Be Level Along Their Length and At Depths Below Existing Grade As Specified On The Site Plans and Which Comply With "Absorption System Design Criteria" Elsewhere On These Drawings.

Fill Material for Shallow Trench Installations Shall Have a Verified In Situ (at the Borrow Site) Perc Rate No Faster Than the Perc Rate Of the Native Soil. Refer to the "Perc Test Results & Soils Summary" and "Absorption System Design Criteria" Tables On These Drawings, As Well As "Site Preparation and Construction Notes" On the Detail Sheets.



A1 Typical Drilled Well Detail
Scale: 1/2" = 1'-0"



A4 Typical Dock Details
Scale: 3/8" = 1'-0"

Notes:

Overland Structure Is That Contiguous Portion Of the Dock, Ramp, and/or Stairs Above Mean High Water That Cannot Be Used For Water Recreation (Generally, Those Portions Over Land; From the Shoreline In). In Accordance With APA Regulations, Within the 100' Shoreline Setback, Structures May Not Exceed 100 Sq. Ft. in Area, Either in Plan View Or Elevation (Face) View.

Materials Note:

All Hardware And Pipe Supplies Shown Can Be Obtained From GREAT NORTHERN DOCKS (www.greatnortherndocks.com)

Other Docks, Materials, and Configurations Are Acceptable Provided They Are In Compliance With Regulations.

CIVIL & ARCHITECTURAL
ENGINEERING

STEVEN E. SMITH, P.E.

25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

Woodward Lake
Properties, LLC

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

No.	Revised Typical Dock Details	08/27/20
	Description	Date
Revision Schedule		
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

DRAWN BY: BCT

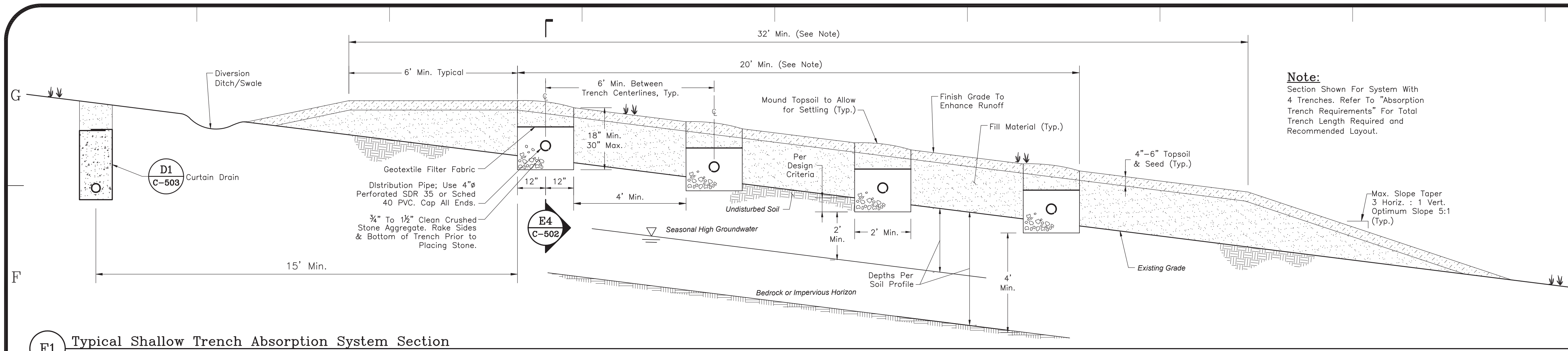
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

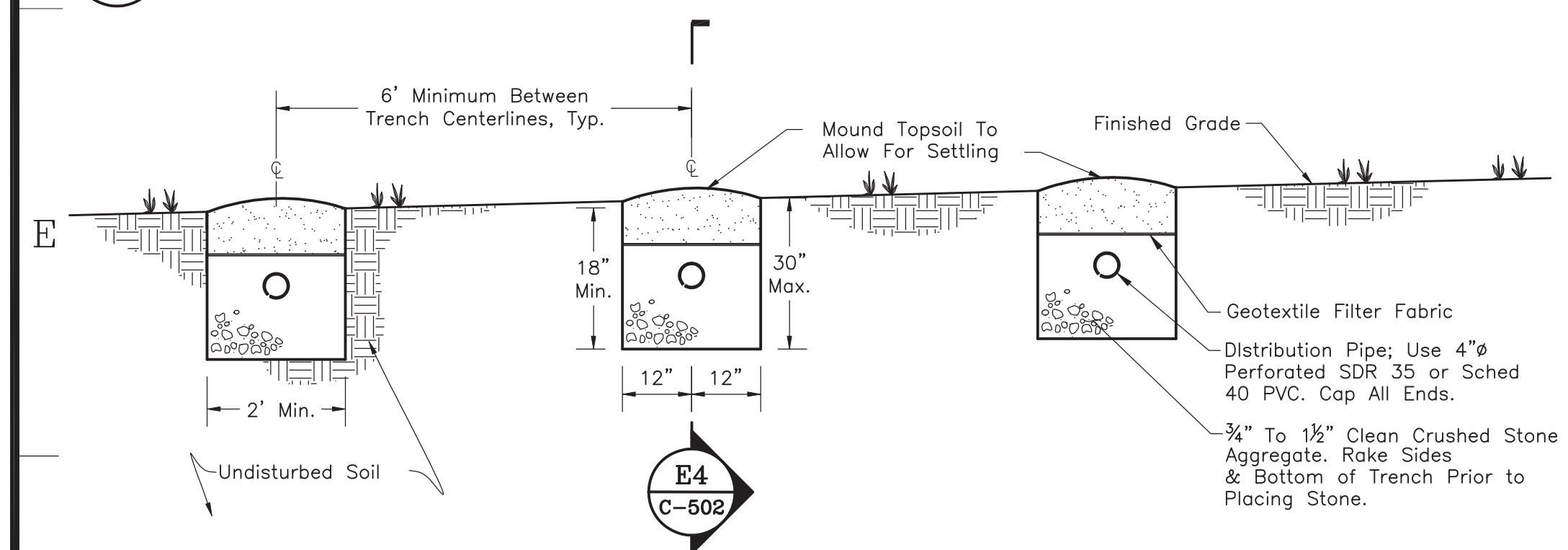
SHEET NAME:
Typical Drilled Well, Pipe
Installation, & Dock Details;
Water & Wastewater Notes;
Septic System Maintenance

PAGE:
C-504

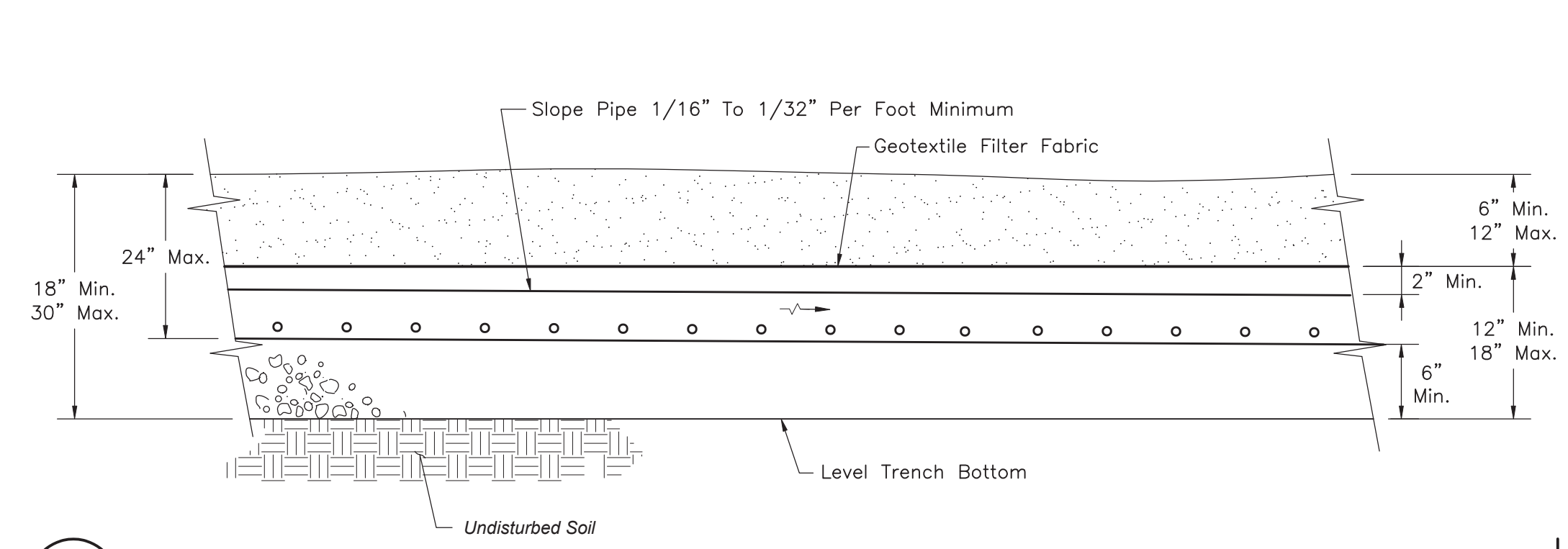


Note:
Section Shown For System With
4 Trenches. Refer To "Absorption
Trench Requirements" For Total
Trench Length Required and
Recommended Layout.

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



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



E4 Typical Trench Section
SCALE: 1/2" = 1'-0"

Site Preparation & Construction Notes

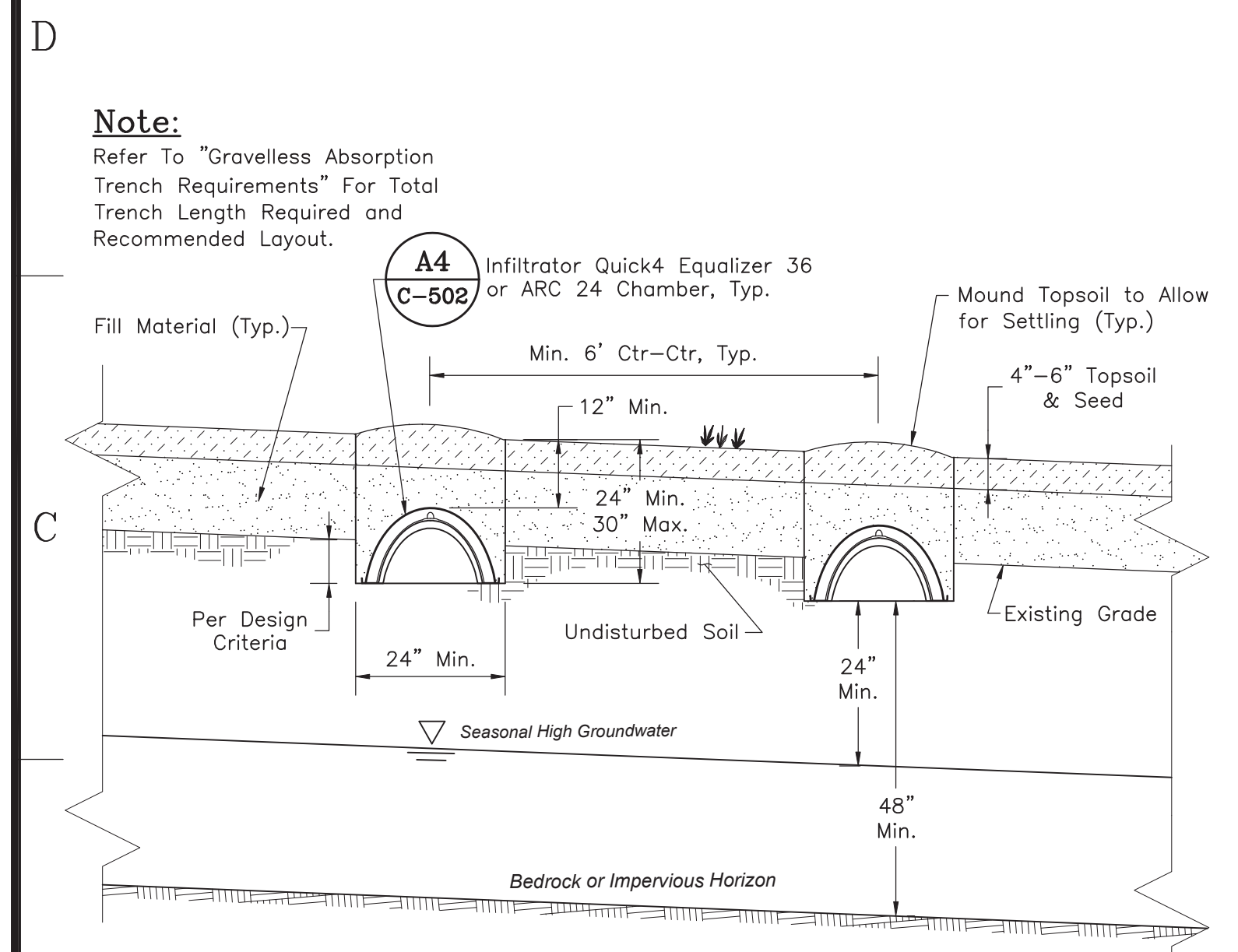
Construction Techniques Must Not Compromise Integrity of the System. Heavy Construction Equipment is Not Allowed Within the Area of the System.

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 - Rototilling Or Soil Scarification With Construction Equipment is NOT Recommended.

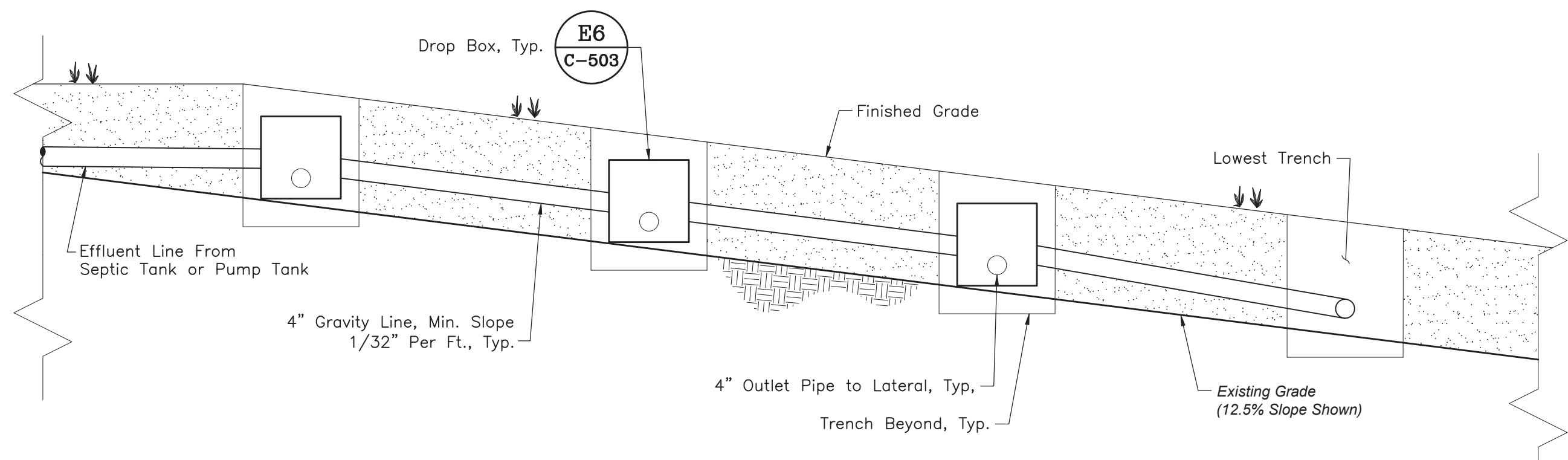
For Standard Trench Installation, After Staking Locations, Excavate Trenches To Design Depth With Bottoms Level. Grade Trench Bottoms By Hand. Rake Bottoms and Sidewalls and Place At Least 6" of Aggregate in Trenches. Complete Trench Construction As Shown in the Details. After Backfilling and Allowing 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 Loom 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.

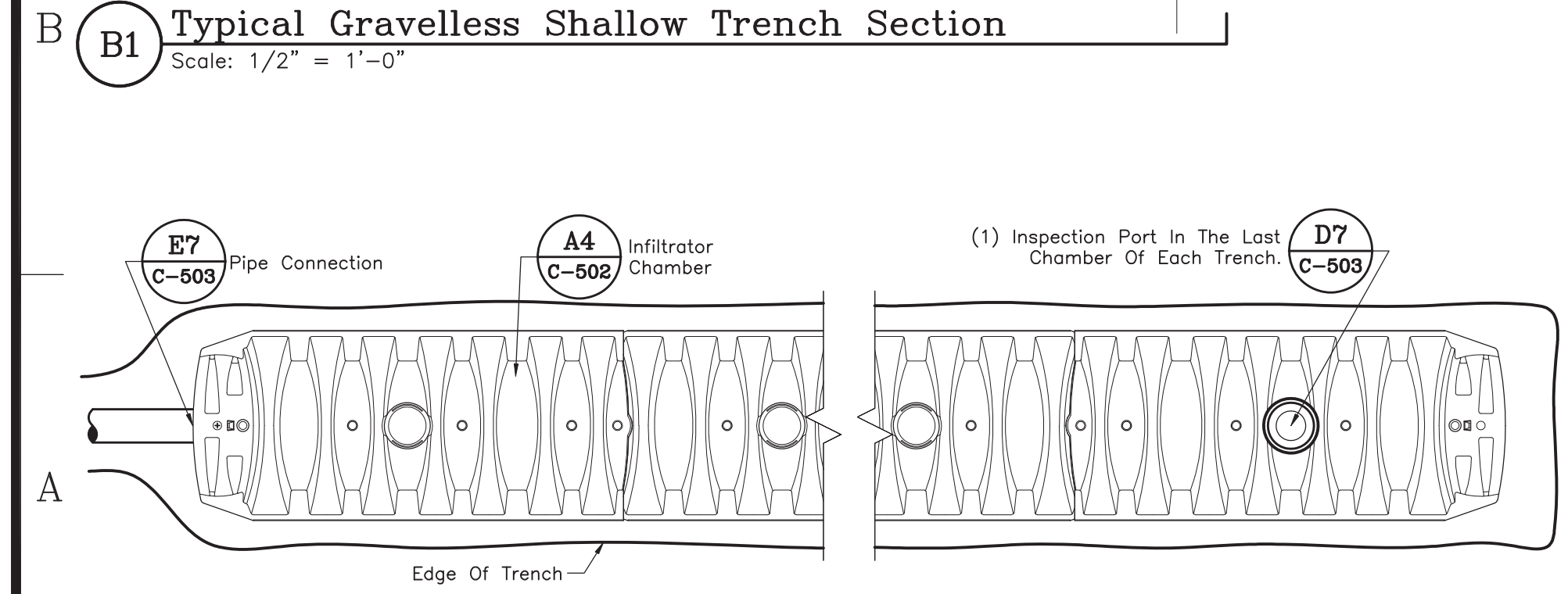
Place Fill On Site Immediately After Site Preparation. Grade Stakes May Be Used To Delineate the Limits of Fill and Prevent Over-Excavation of Absorption Trenches. Fill Material Shall Be Carefully Placed Within the Absorption Area. Place Fill in Shallow Lifts and Compact to Approximately the Same Density as the Undisturbed Borrow. Taper the Edges From 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 Uphill Side of the Fill Material. Finish Site Grading 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.



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

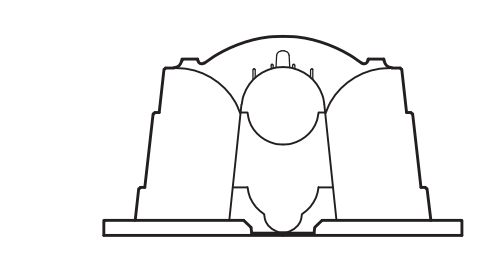


C3 Typical Lateral Distribution For Systems On Grades Exceeding 8%
Scale: 1/2" = 1'-0"

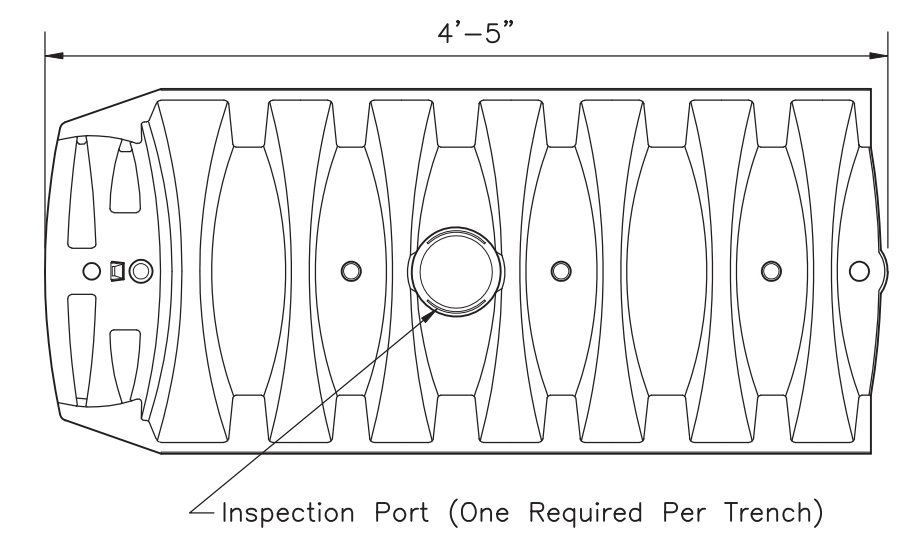


A1 Typical Infiltrator Trench Plan
Scale: 3/4" = 1'-0"

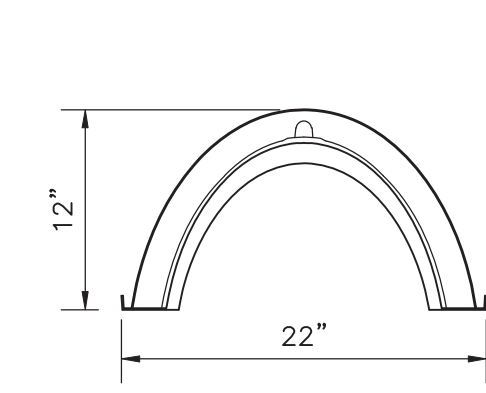
Notes:
- Quick4 Equalizer 36 Product Shown. ARC 24 Product is Similar, Except As Indicated.
- Install Closed End Cap at Downstream End of Last Chamber in Trench.



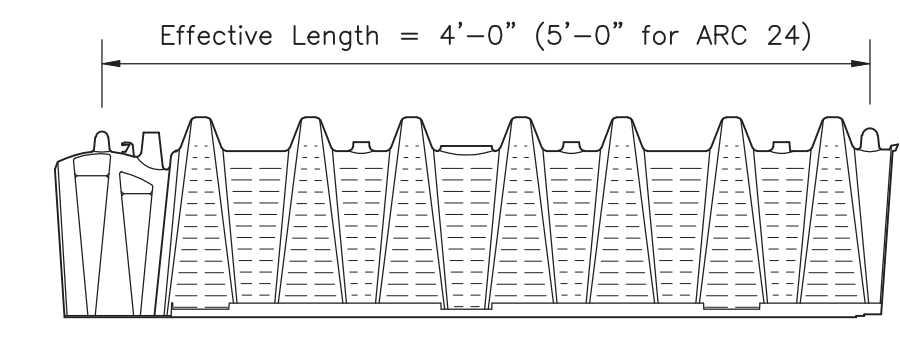
End Cap



Top View



Section



Chamber Profile

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

Absorption Trench Requirements

Design Perc Rate (min/in)	Number of Bedrooms					
	1 - 2		3		4	
	Total Trench Length Req'd	Recommended Layout	Total Trench Length Req'd	Recommended Layout	Total Trench Length Req'd	Recommended Layout
3-5	92 LF	2 @ 50 LF	138 LF	3 @ 50 LF	184 LF	4 @ 50 LF
6-7	110 LF	2 @ 55 LF	165 LF	3 @ 55 LF	220 LF	4 @ 55 LF
8-10	123 LF	3 @ 45 LF	184 LF	4 @ 50 LF	245 LF	5 @ 50 LF
11-15	138 LF	3 @ 50 LF	207 LF	4 @ 55 LF	275 LF	5 @ 55 LF
16-20	158 LF	3 @ 55 LF	236 LF	4 @ 60 LF	315 LF	6 @ 55 LF
21-30	184 LF	4 @ 50 LF	275 LF	5 @ 55 LF	367 LF	7 @ 55 LF
31-45	220 LF	4 @ 55 LF	330 LF	6 @ 55 LF	440 LF	8 @ 55 LF

Design Perc Rate (min/in)	Number of Bedrooms					
	1 - 2		3		4	
	Total Trench Length Req'd	Recommended Layout	Total Trench Length Req'd	Recommended Layout	Total Trench Length Req'd	Recommended Layout
3-5	69 LF	2 @ 35 LF	104 LF	2 @ 55 LF	138 LF	3 @ 50 LF
6-7	83 LF	2 @ 45 LF	124 LF	3 @ 45 LF	165 LF	3 @ 55 LF
8-10	93 LF	2 @ 50 LF	138 LF	3 @ 50 LF	184 LF	4 @ 50 LF
11-15	104 LF	2 @ 55 LF	156 LF	3 @ 55 LF	207 LF	4 @ 55 LF
16-20	119 LF	2 @ 60 LF	177 LF	3 @ 60 LF	237 LF	4 @ 60 LF
21-30	138 LF	3 @ 50 LF	207 LF	4 @ 55 LF	276 LF	5 @ 60 LF
31-45	165 LF	3 @ 55 LF	248 LF	5 @ 50 LF	330 LF	6 @ 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.

No.	Description	MM/DD/YY	Date
Revision Schedule			
Construction Drawing		MM/DD/YY	
Agency Review Drawing		01/24/20	
Drawing Log			
DRAWN BY: BCT			

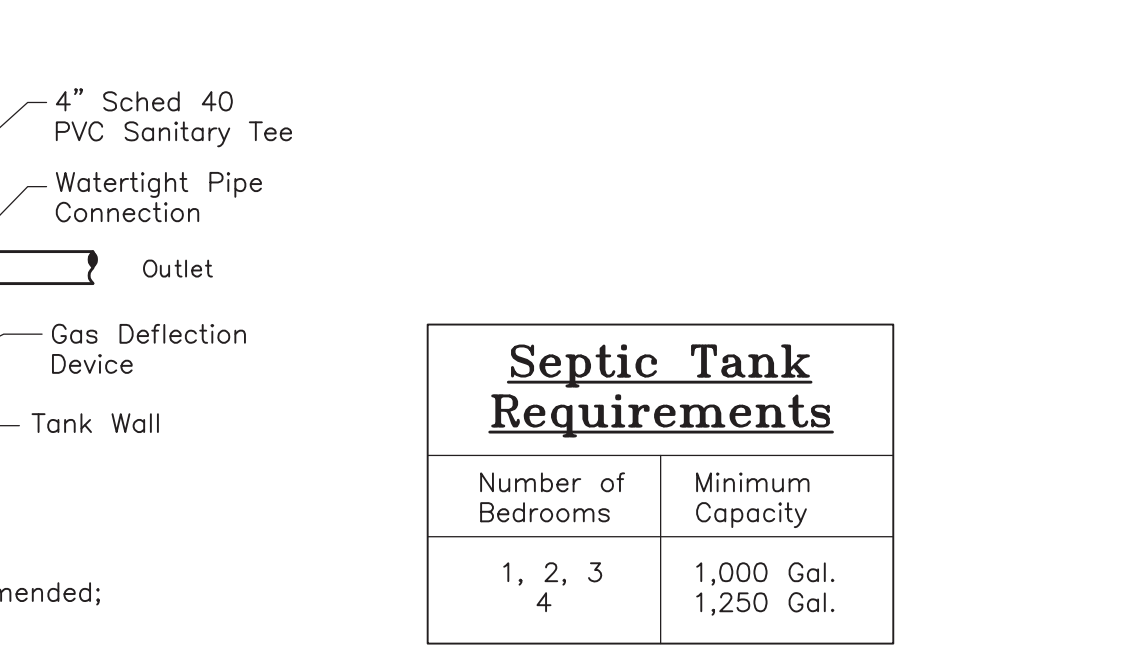
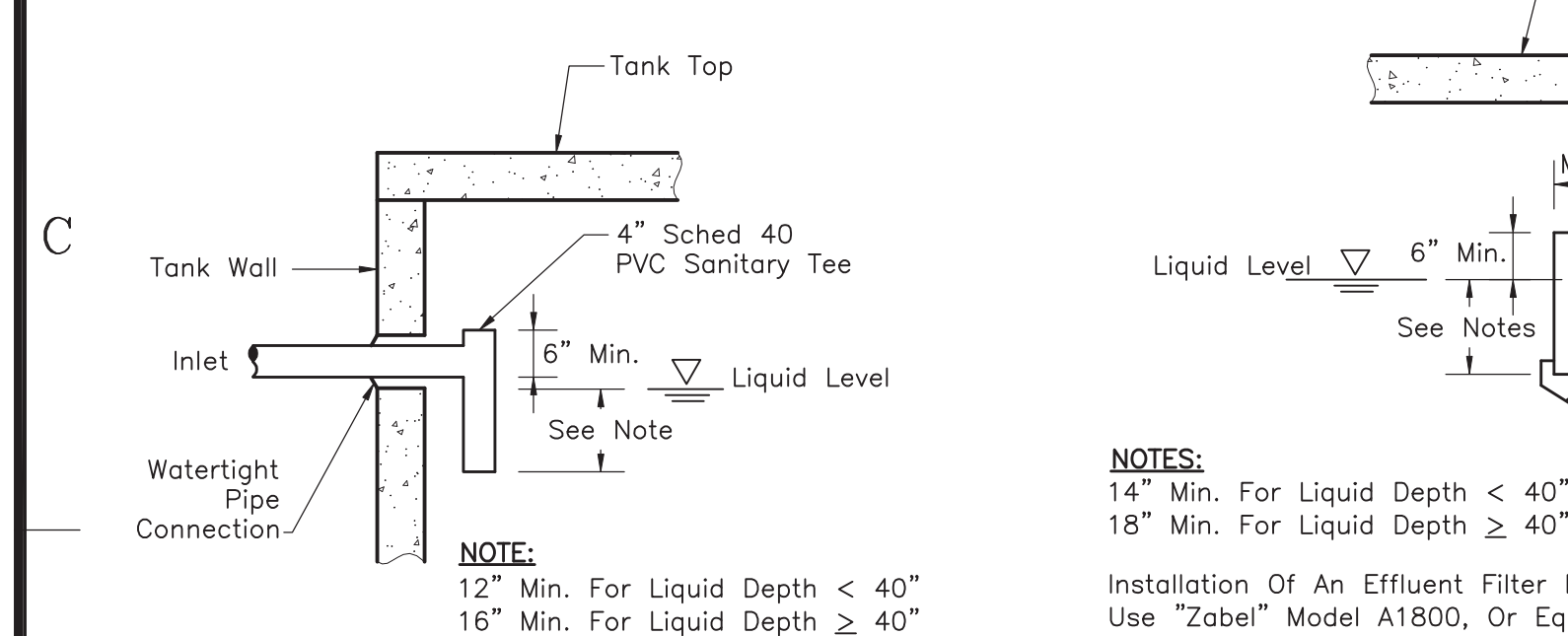
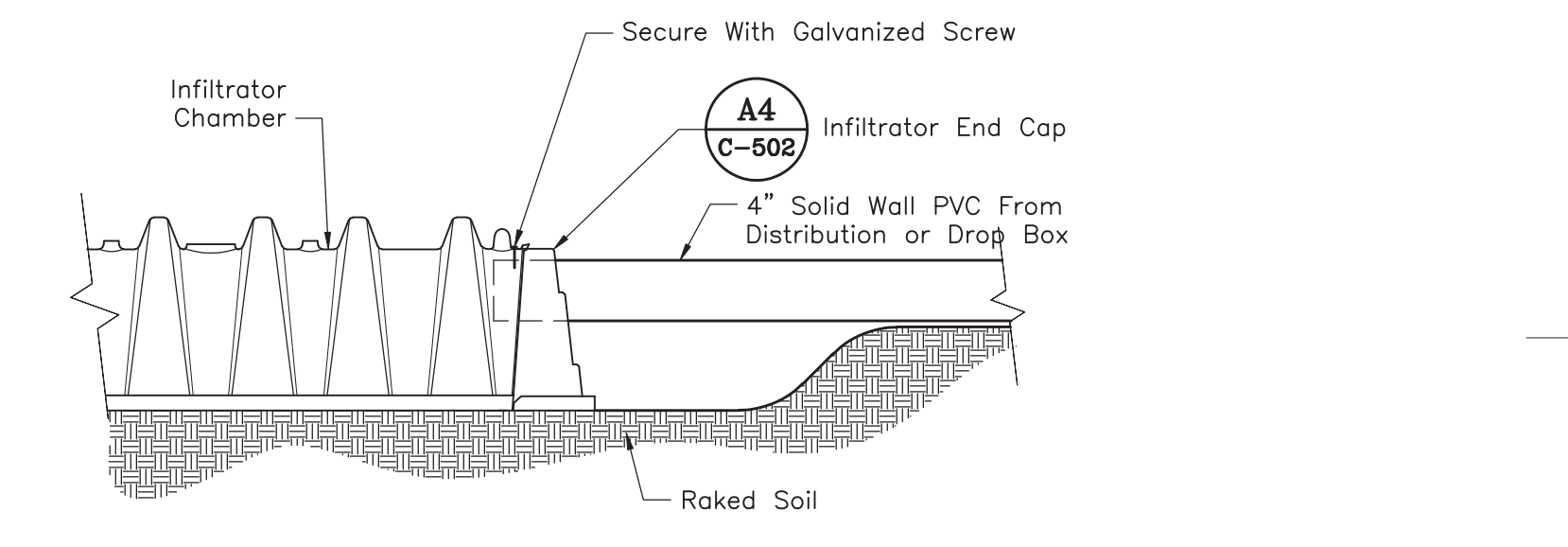
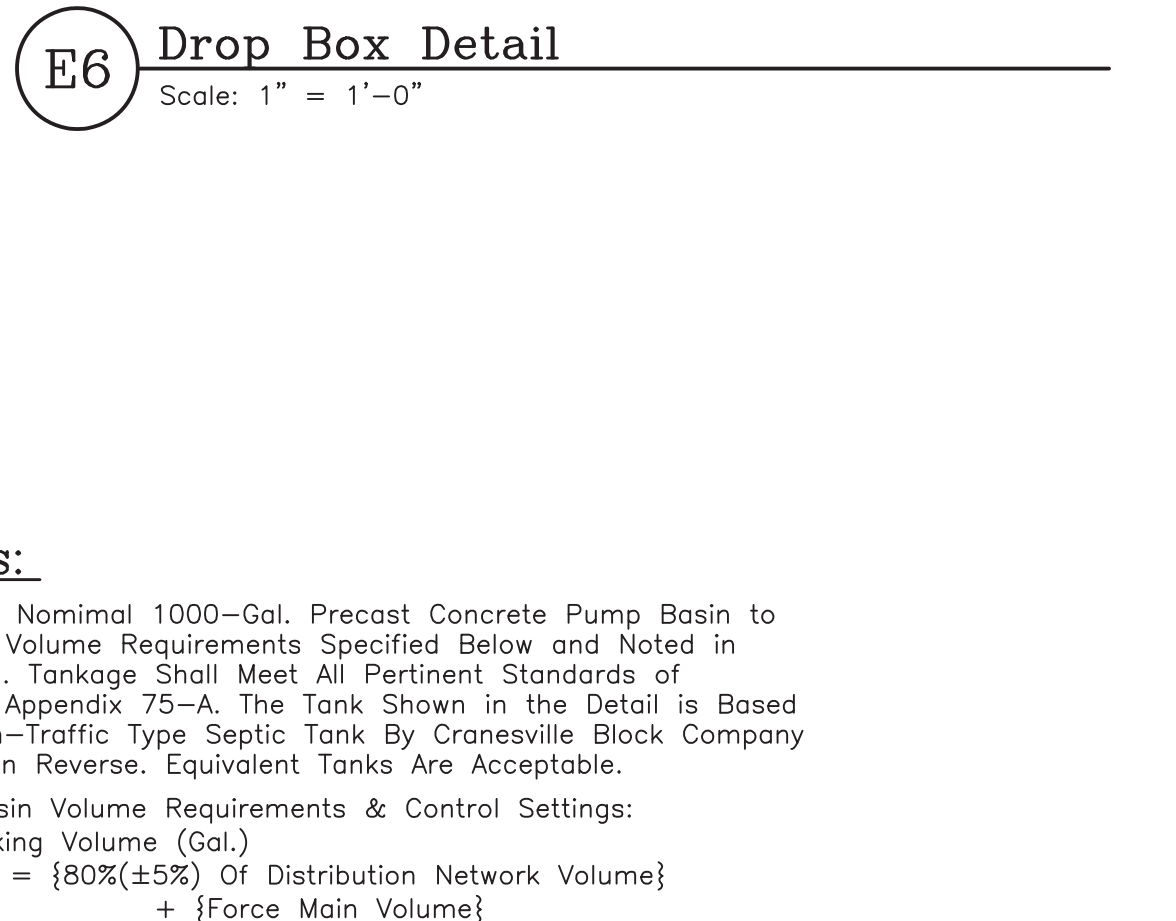
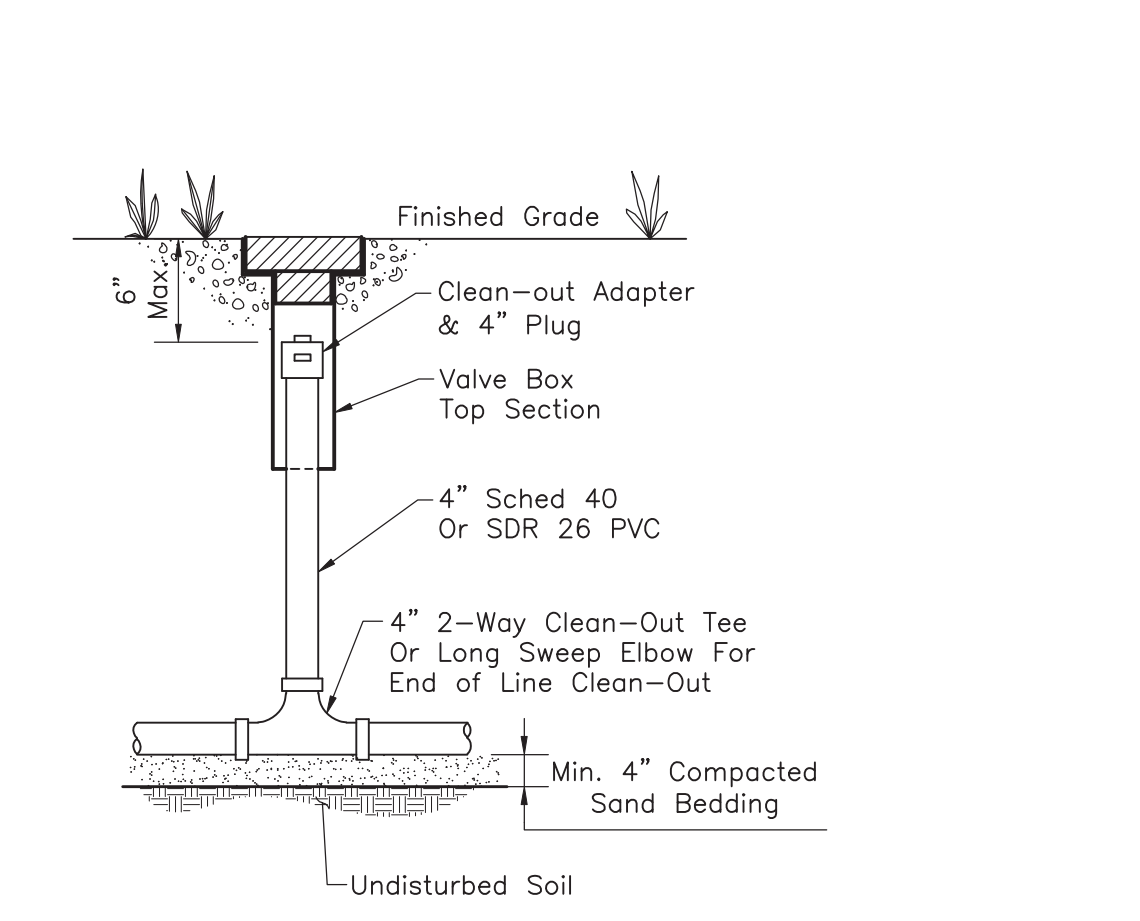
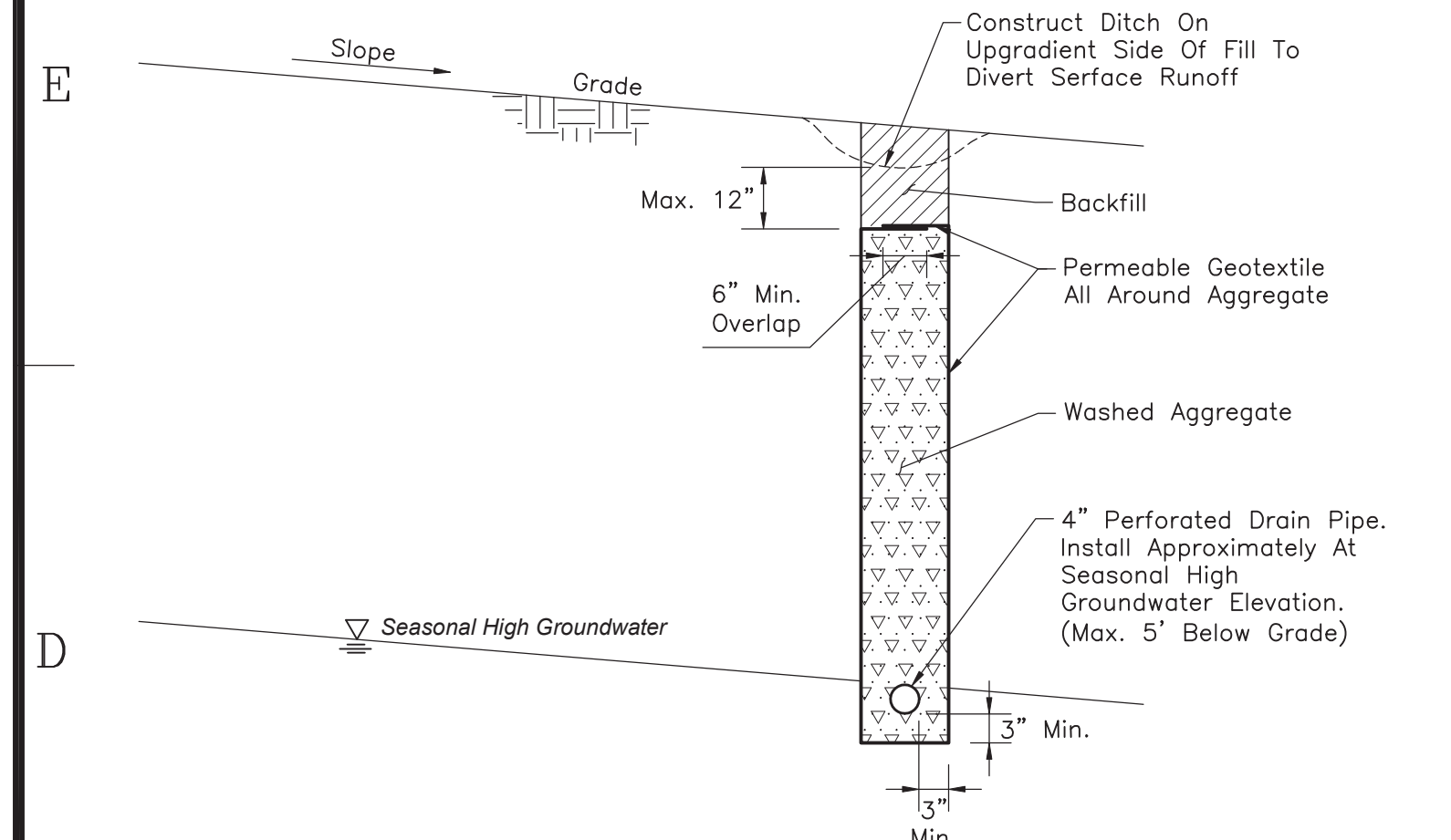
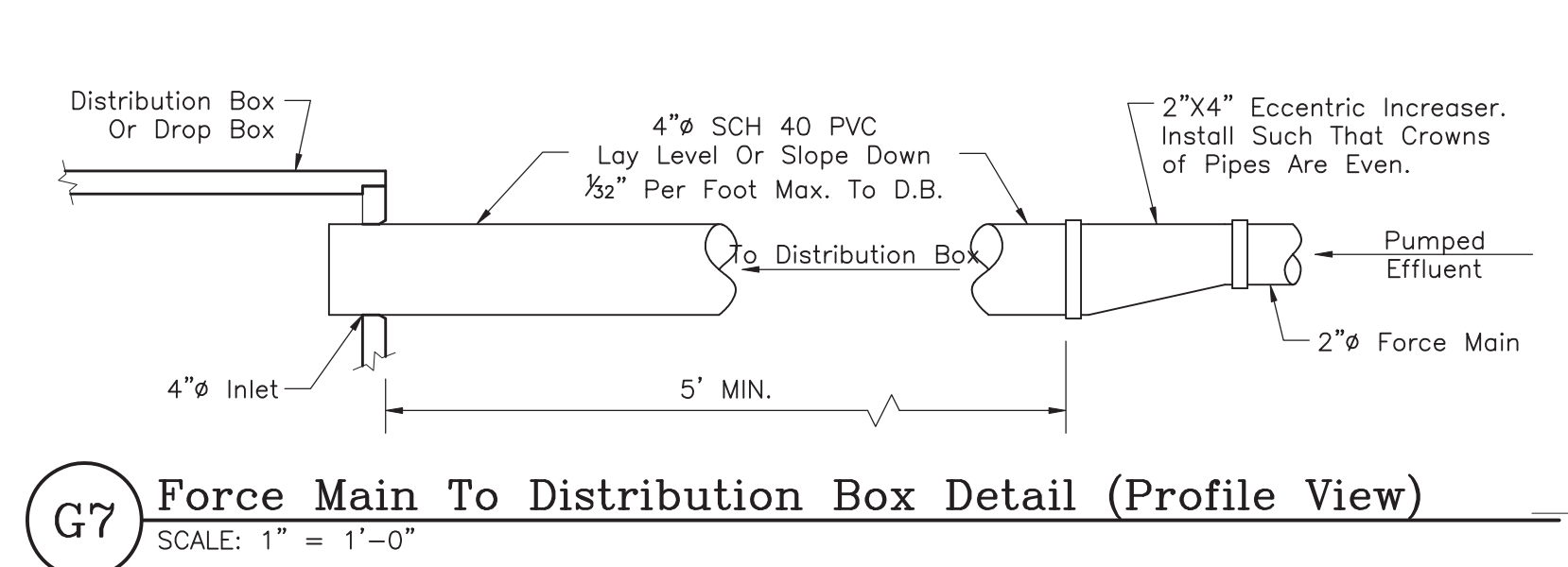
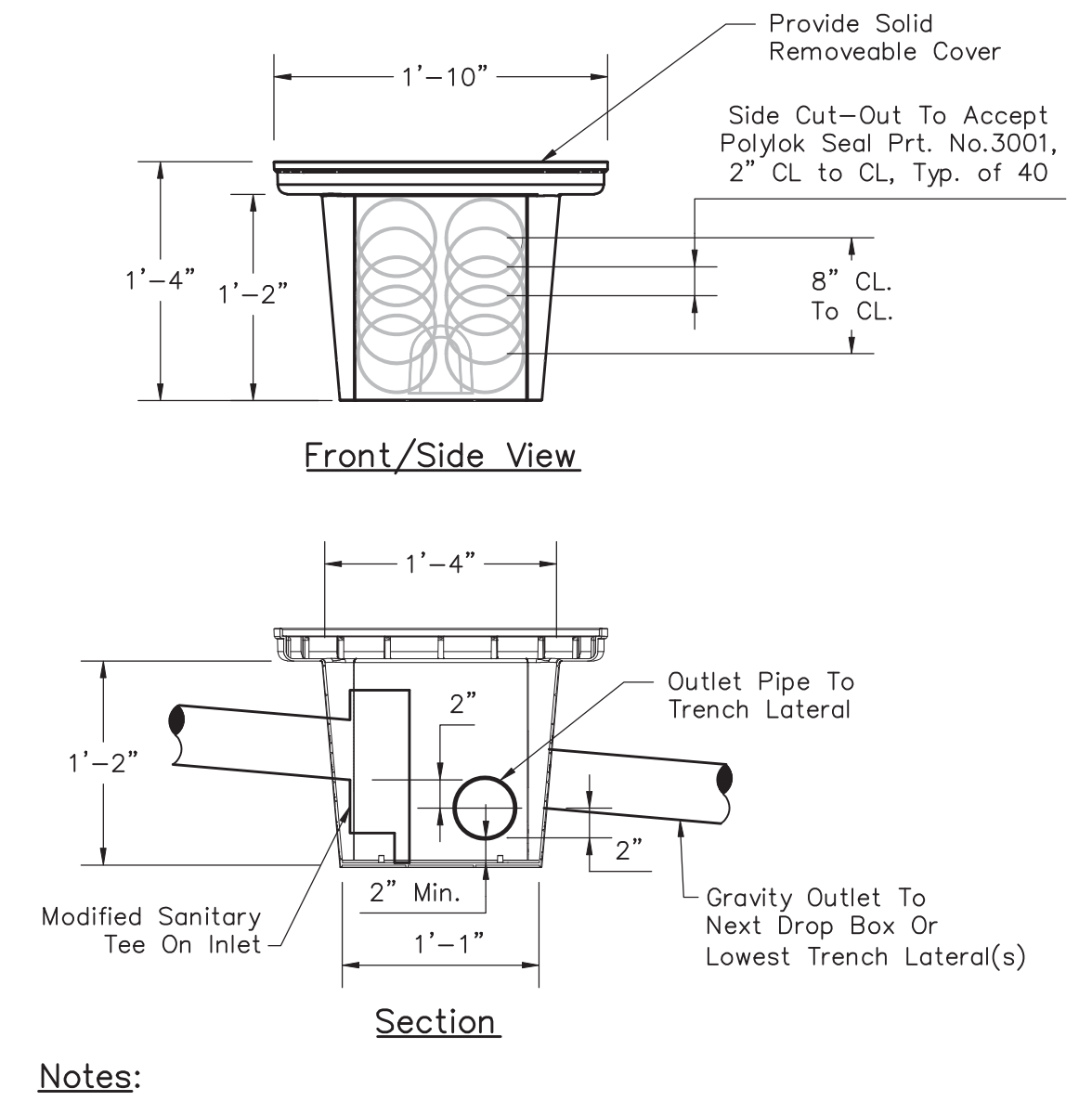
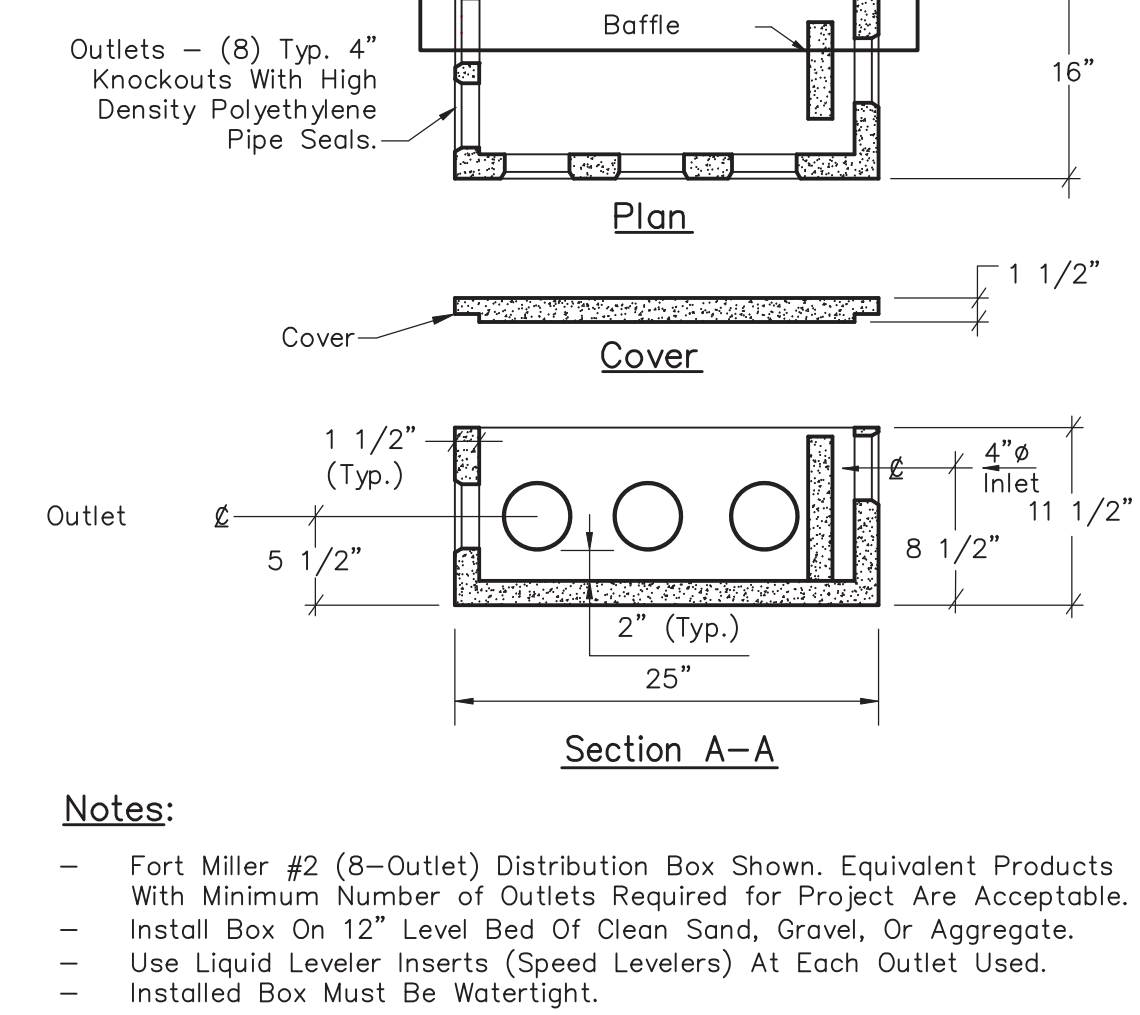
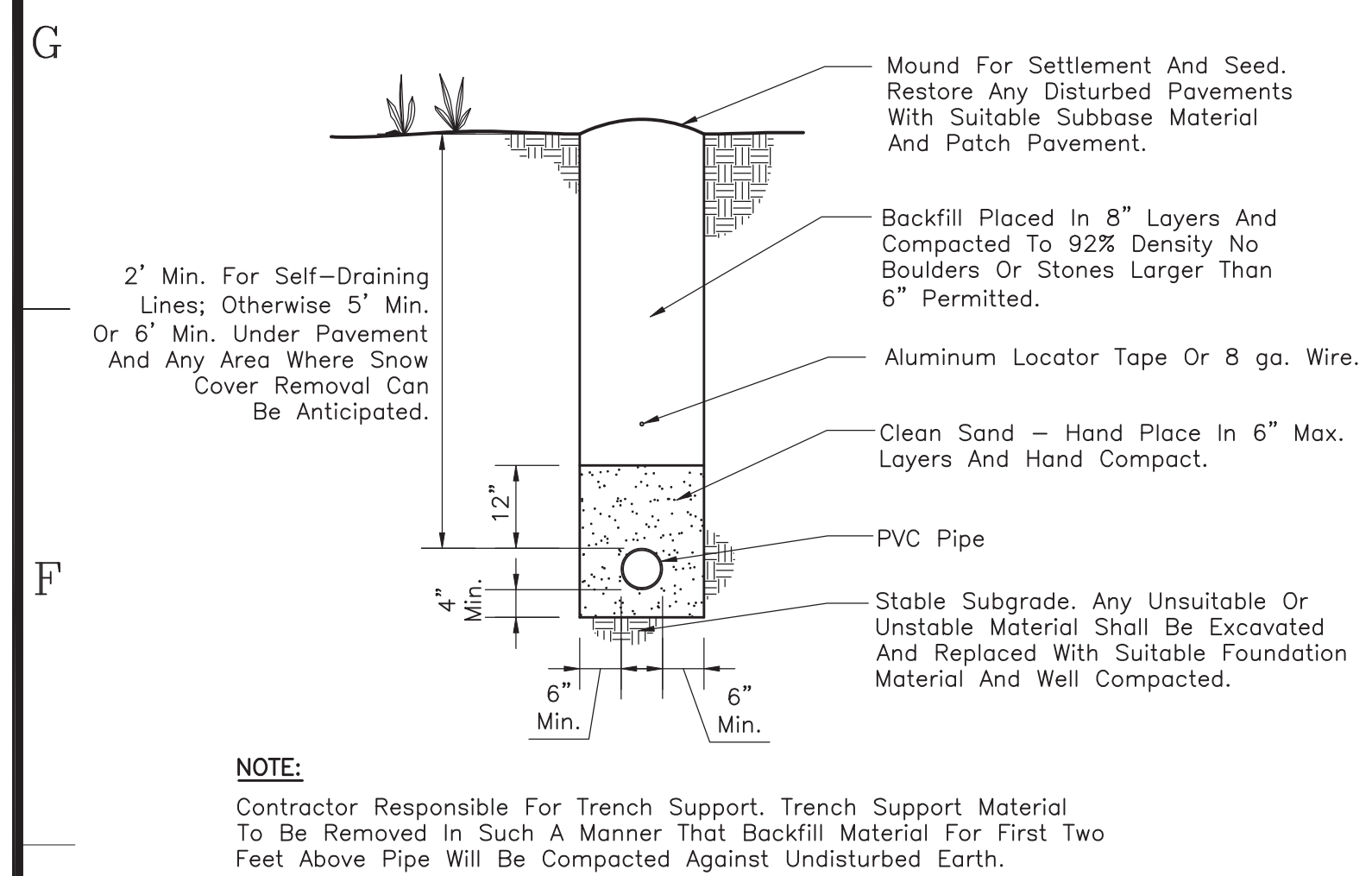
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

SHEET NAME:
**Onsite Wastewater System
Absorption Trench
Requirements, Sections,
Details & Specifications**

PAGE:
C-505



Notes:
Provide a Nominal 1000-Gal. Precast Concrete Pump Basin to Meet the Volume Requirements Specified Below and Noted in the Detail. Tankage Shall Meet All Pertinent Standards of 10NYCRR Appendix 75-A. The Tank Shown in the Detail is Based on a Non-Traffic Type Septic Tank By Cranesville Block Company Installed in Reverse. Equivalent Tanks Are Acceptable.

Pump Basin Volume Requirements & Control Settings:
Working Volume (Gal.)
= {80% (±5%) Of Distribution Network Volume}
+ {Force Main Volume}
= {0.52 (±0.03) x Total Length Of Laterals}
+ {0.16 x Length of Force Main}

Min. 24-Hour Reserve Capacity Required
= Design Flow (440 Gal. For 4-Bedroom)
Reserve Capacity Available
= Liquid Volume Available Above the High Level Alarm Switch Setting

Pump Shut-Off Level Shall Be Set 6" Above the Pump Base or As Required By The Pump Manufacturer.

High Level Alarm Switch Shall Be Set 3" Above the Pump On Level.

Provide One (1) Submersible Effluent Pump Capable of Pumping 30 to 50 GPM Under the System Installation Conditions. Use "Goulds" Model 3871 EP04 or Equal If the Total Dynamic Head (TDH) Is Between 7 and 17 Feet (Generally If the Distribution Box Is Not More Than 10 Ft. Higher Than Grade At the Pump Tank). Use "Goulds" Model 3871 EP05 or Equal If the TDH Is Between 17 and 26 Feet (Generally If the Distribution Box Is Not More Than 19 Ft. Higher Than Grade At the Pump Tank). Consult the Engineer if Higher Heads Are Encountered. Pump Motor Shall Be 115 or 230V, 1 Phase, 60 Hz, With Built-In Overload and Automatic Reset. Provide Goulds Simplex Control Panel #S10020 (N1), or Equal, With Integral Alarm Warning and Three (3) Control Switches Model #A2-3. NOTE: If Panel Is To Be Mounted in a Damp or Exterior Location, Provide Panel #S10020 NEMA 4X (Weatherproof). Use Goulds FSB1 Stainless Steel Float Switch Mounting Bracket and Hardware, Or Secure Float Switch Cables To Vertical Pump Discharge Pipe With Floats In 90° Offset Planes.

Connect Pump For Easy Removal. Use Quick Disconnect and Position Pump So That It Is Removable From the Ground Surface. Locate Float Switches As Far Away From Inflow Pipe As Possible. Locate Control Panel and Alarm in Utility Area of Residence (Coordinate With Owner). No Splices or Electrical Connections May Be Made In The Pump Basin.

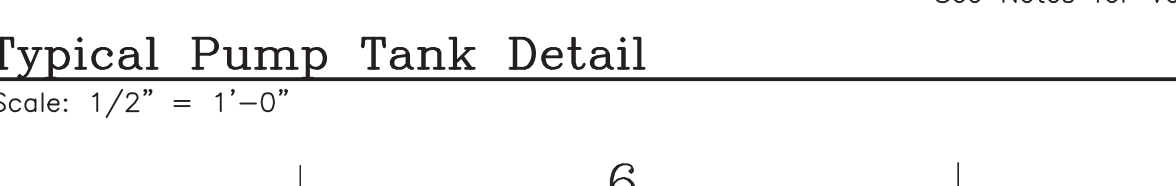
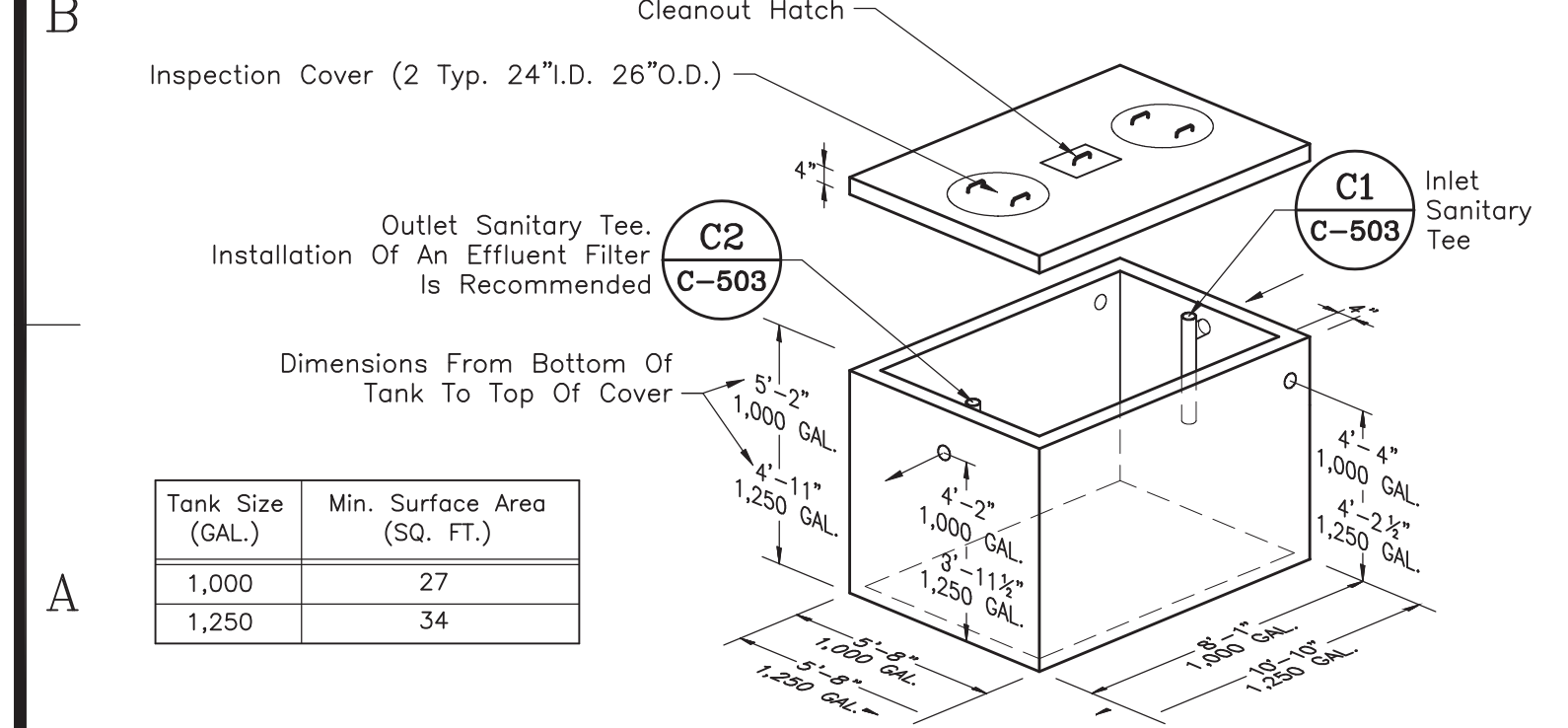
Provide 2" Ball Valve For Throttling. If Necessary, Set Valve To Limit Pump Discharge To An Average of Not More Than 45 GPM Over The Normal Operating Range (Working Volume). Contractor Shall Verify and Calibrate During Installation Testing.

Slope The Force Main Back Toward The Tank From The Distribution Box For Self Draining. Provide 1/2" Weep Hole Above The Max. Liquid Level As Shown, or, If Pump Manufacturer Certifies Pump Will Not Be Damaged By Reverse Rotation, Check Valve May Be Omitted.

Note: All Basin Penetrations Are To Be Water-Tight. Access Extension Components Shall Be Set In Full Beds Of Cement Mortar Not Less Than 1/2" Thick. Apply Waterproof Bitumastic Compound Over Mortar. Install Butyl Based Flexible Gasket Rings Beneath Manhole Frame. Use "A-Lok", "Kor-N-Seal", or "Link Seal" Flexible Connectors On All Pipe Connections.

Septic Tank Requirements

Number of Bedrooms	Minimum Capacity
1, 2, 3	1,000 Gal.
4	1,250 Gal.



No.	Narrative	MM/DD/YY
	Revision Schedule	Date
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20

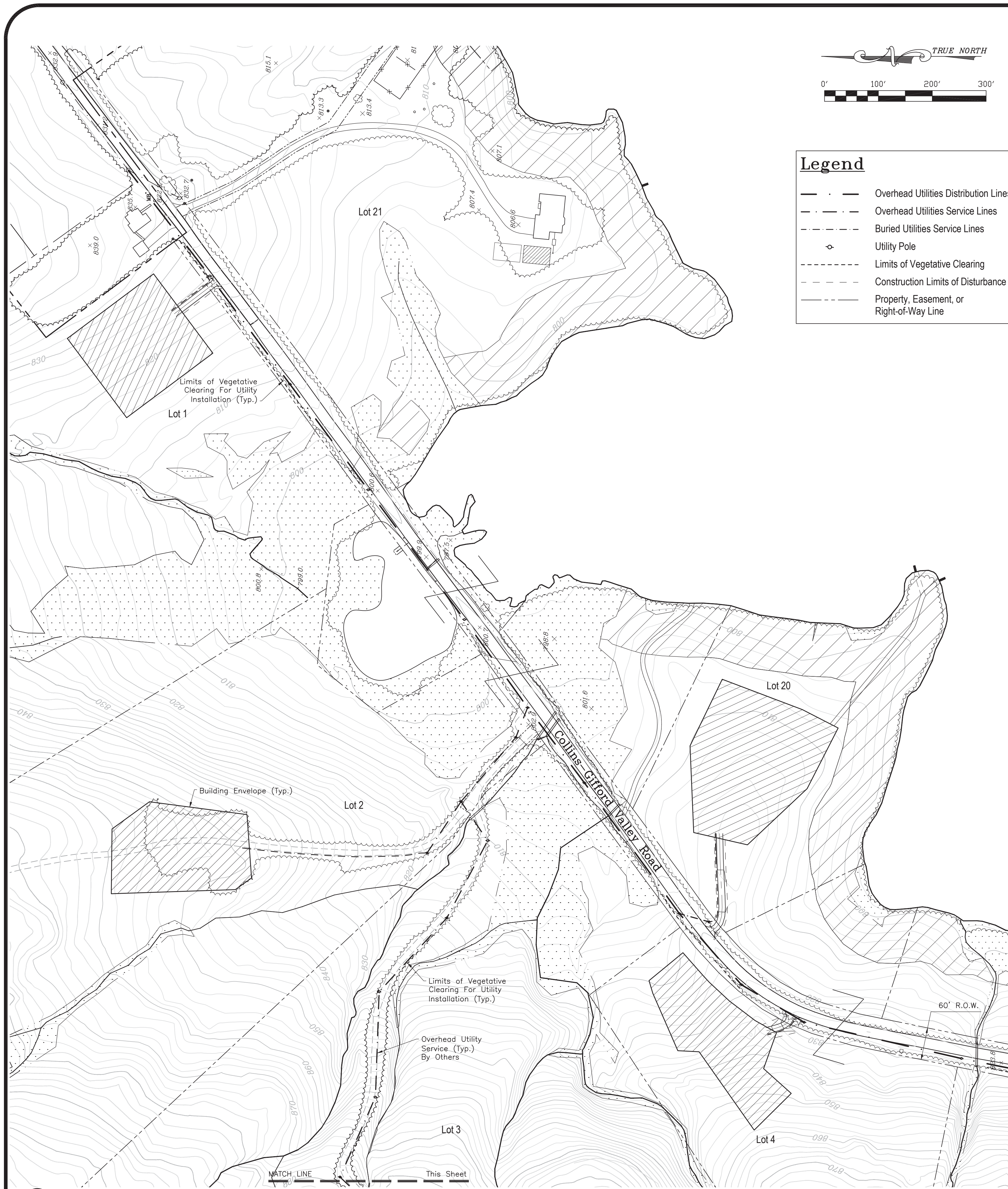
DRAWN BY: BCT

PROGRESS PRINT
10/09/20

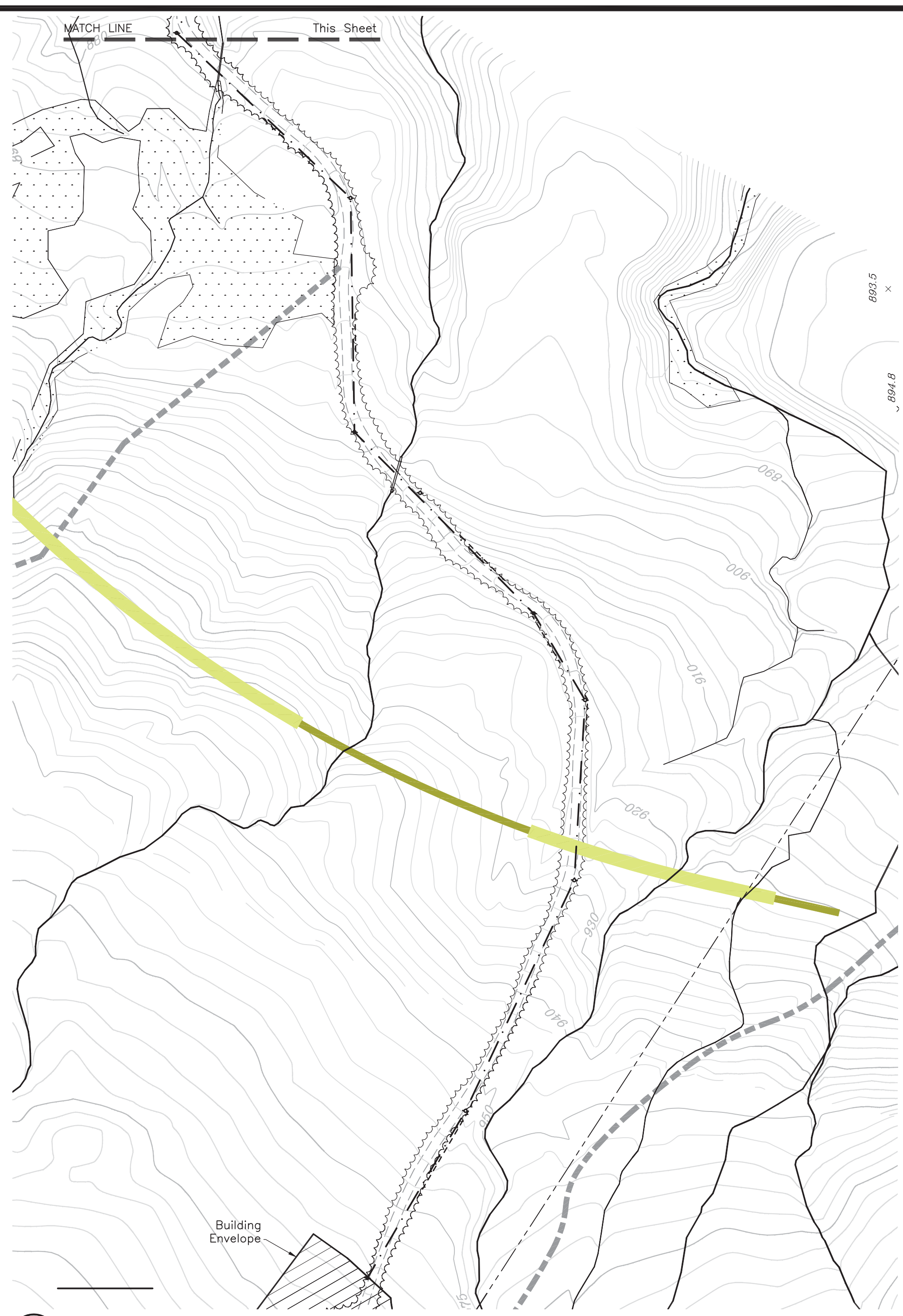
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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'



2 Utility Plan Lot 3 (Partial)
Scale: 1" = 100'

CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

Relocated Lot 3 Building Envelope: Extended Utility Service Line	10/08/20
No.	Date
Revision Schedule	
Construction Drawing	MM/06/YY
Agency Review Drawing	01/24/20
Drawing Log	

DRAWN BY:

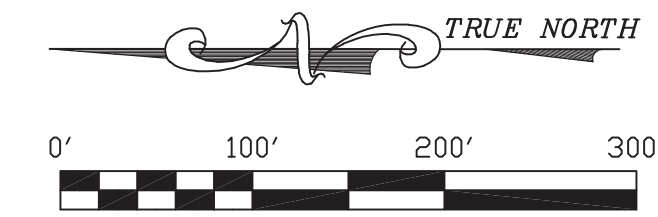
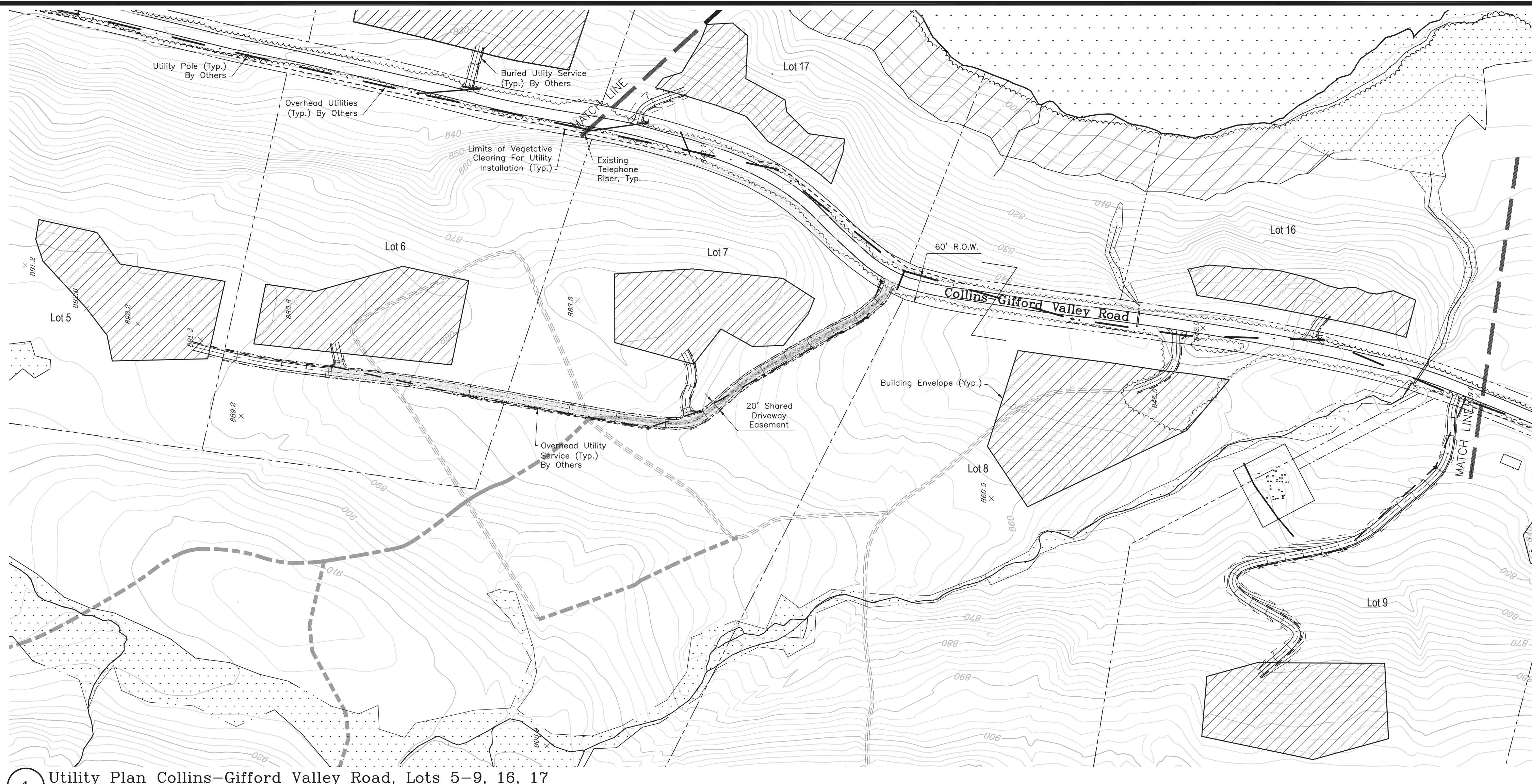
Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

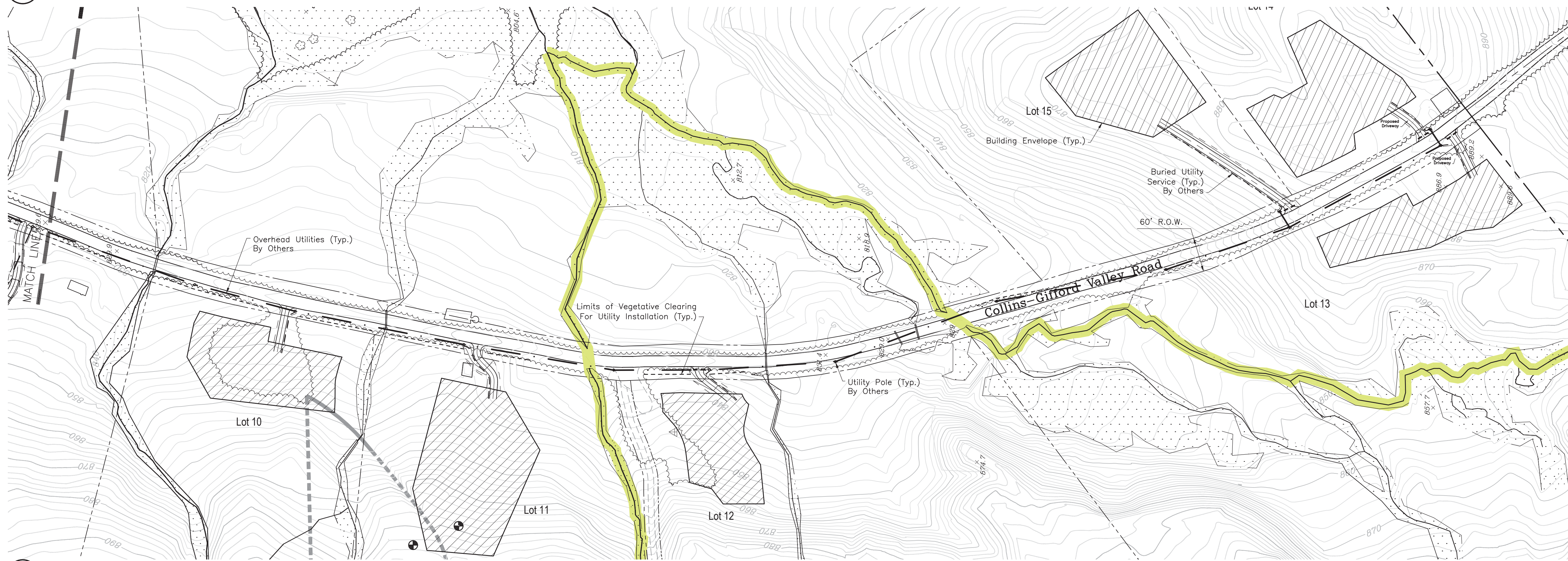
PAGE:
E-101



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

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'

CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

No.	Description	MM/DD/YY
	Revision Schedule <td>Date</td>	Date
	Construction Drawing	MM/DD/YY
	Agency Review Drawing	01/24/20
	Drawing Log	

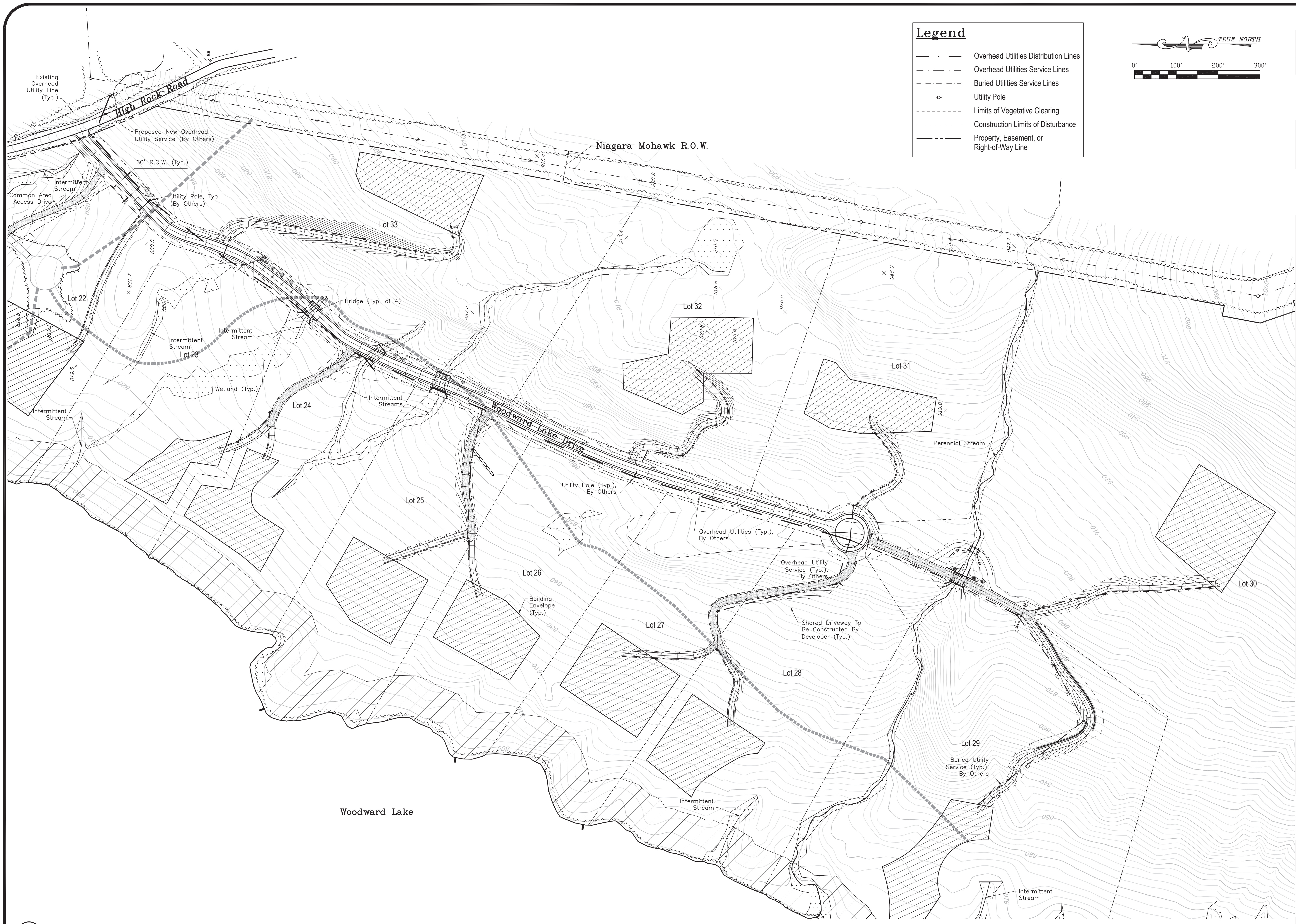
DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20
It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

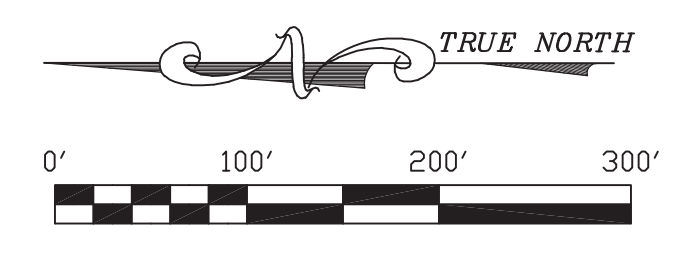
SHEET NAME:
APA Subdivision Application
Utility Plan
Collins-Gifford Valley Road,
Lots 5-17

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



CIVIL & ARCHITECTURAL
ENGINEERING
STEVEN E. SMITH, P.E.
25 WEST FULTON STREET
GLOVERSVILLE, N.Y. 12078
(518) 725-1555

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

⚠	Revised Utility Plan for Revised Site/Lot/Driveway Plans	10/06/20
No.	Description	Date
Revision Schedule		
Construction Drawing		MM/DD/YY
Agency Review Drawing		01/24/20
Drawing Log		

DRAWN BY:

Copyright by Steven E. Smith, 2020
All Rights Reserved

PROGRESS PRINT
10/09/20

It is a violation for any person to alter the plan in any way, unless acting under the direction of an appropriately licensed person.

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

PAGE:
E-103