

LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- SHEET MATCH LINE

20

GRAPHIC SCALE



(IN FEET)
1 inch = 200 ft.

CLOVEWOOD

VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
GRADING & UTILITY SHEETS
KEY MAP

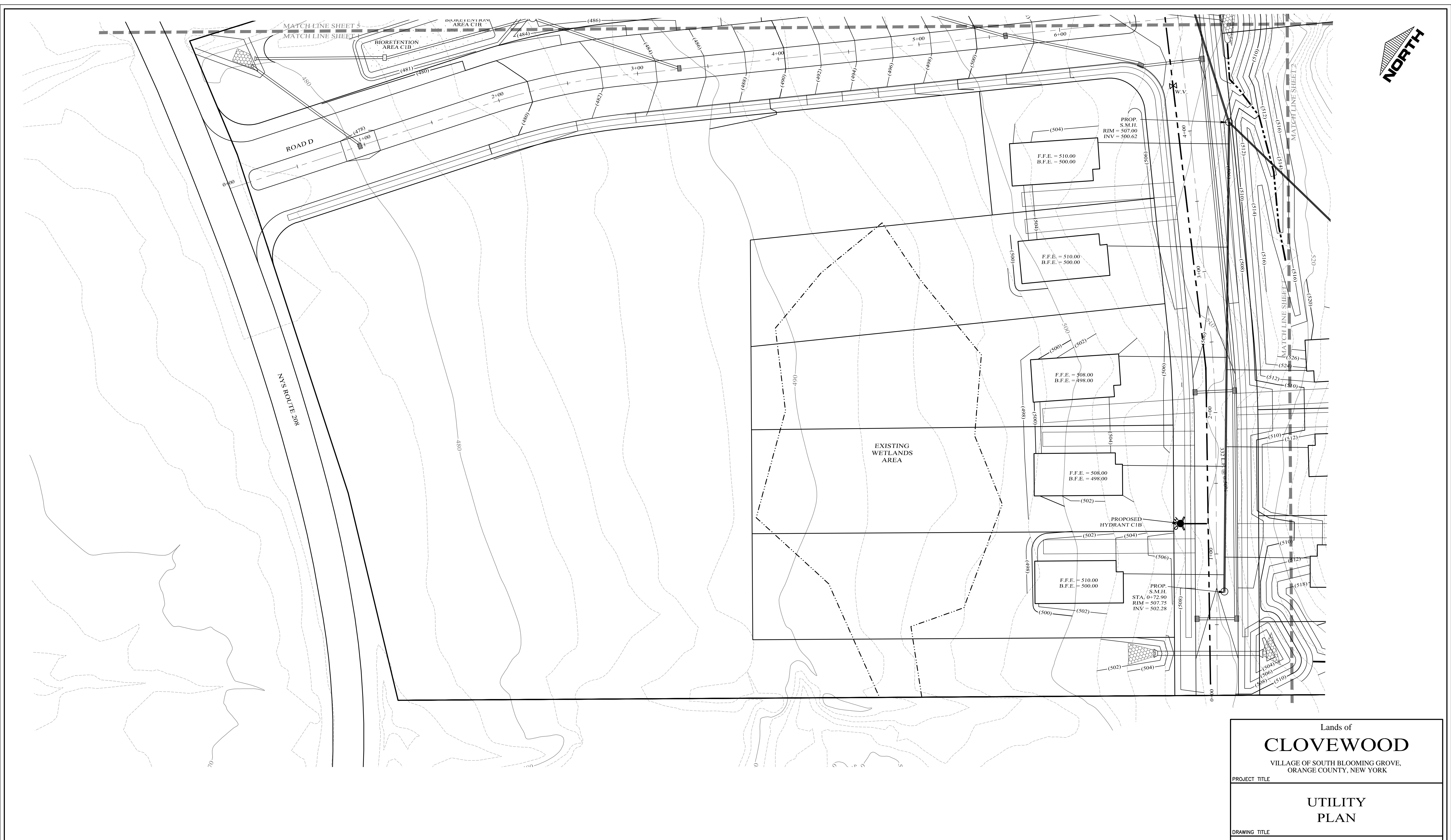
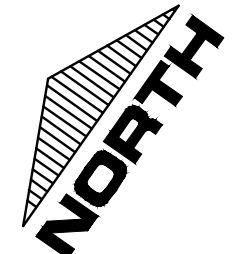
DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC

5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REV.	PER DEIS COMMENTS
10-27-21	1	INITIAL PREPARATION

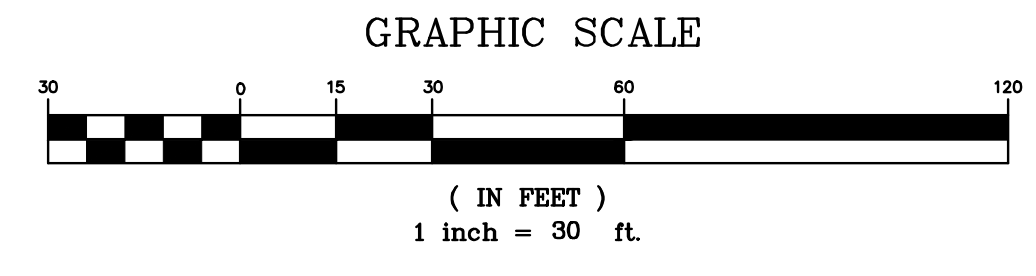
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	KM1
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS SHOWN	



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

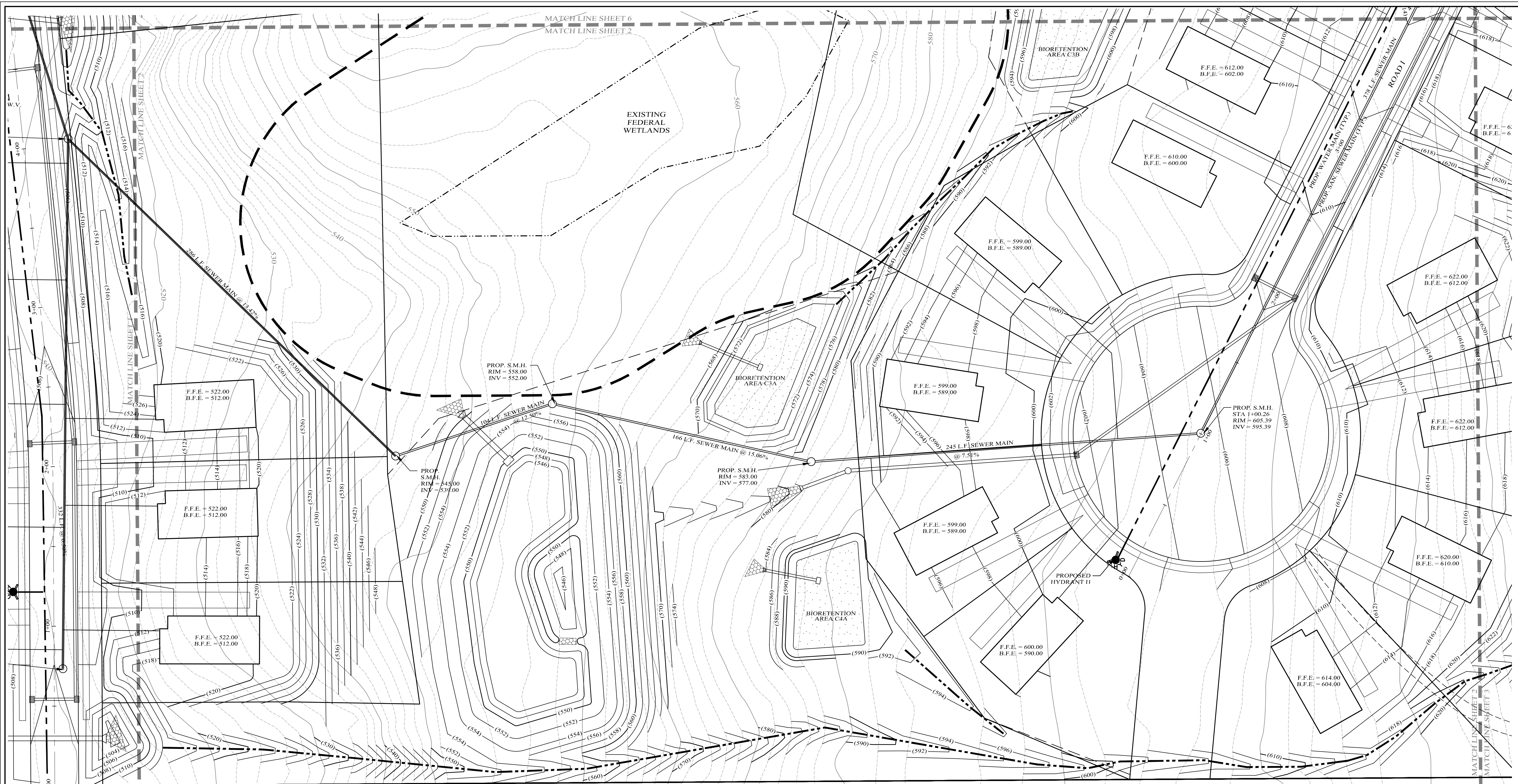
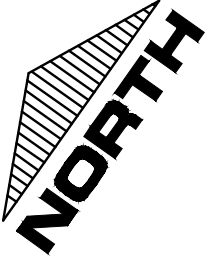
UTILITY PLAN

DRAWING TITLE

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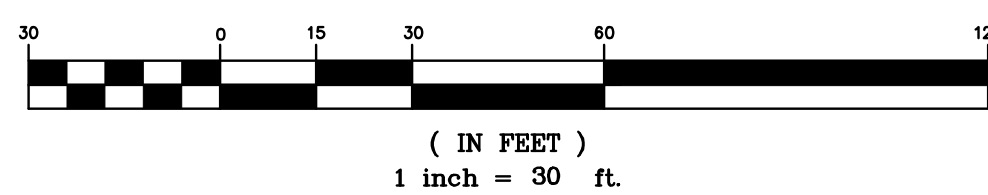
KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053



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EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
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PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



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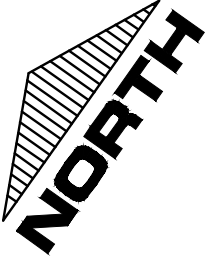
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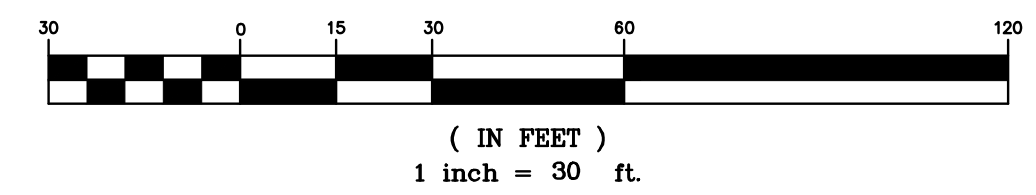
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PROPOSED ROAD CENTERLINE		PROPOSED DRAINAGE MAN HOLE	
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EXISTING DEC WETLANDS		PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS		PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE			
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

GRAPHIC SCALE



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ORANGE COUNTY, NEW YORK

PROJECT TITLE

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PLAN**

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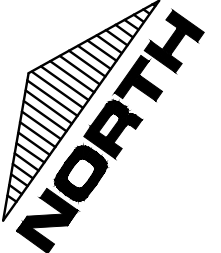
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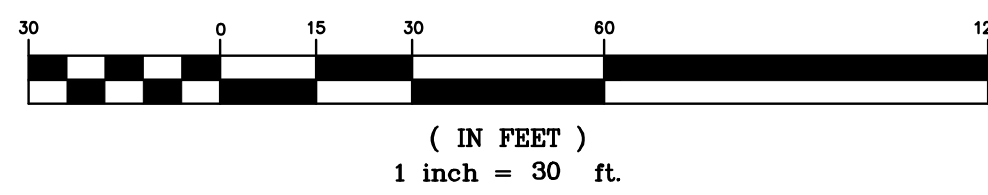
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UTILITY PLAN

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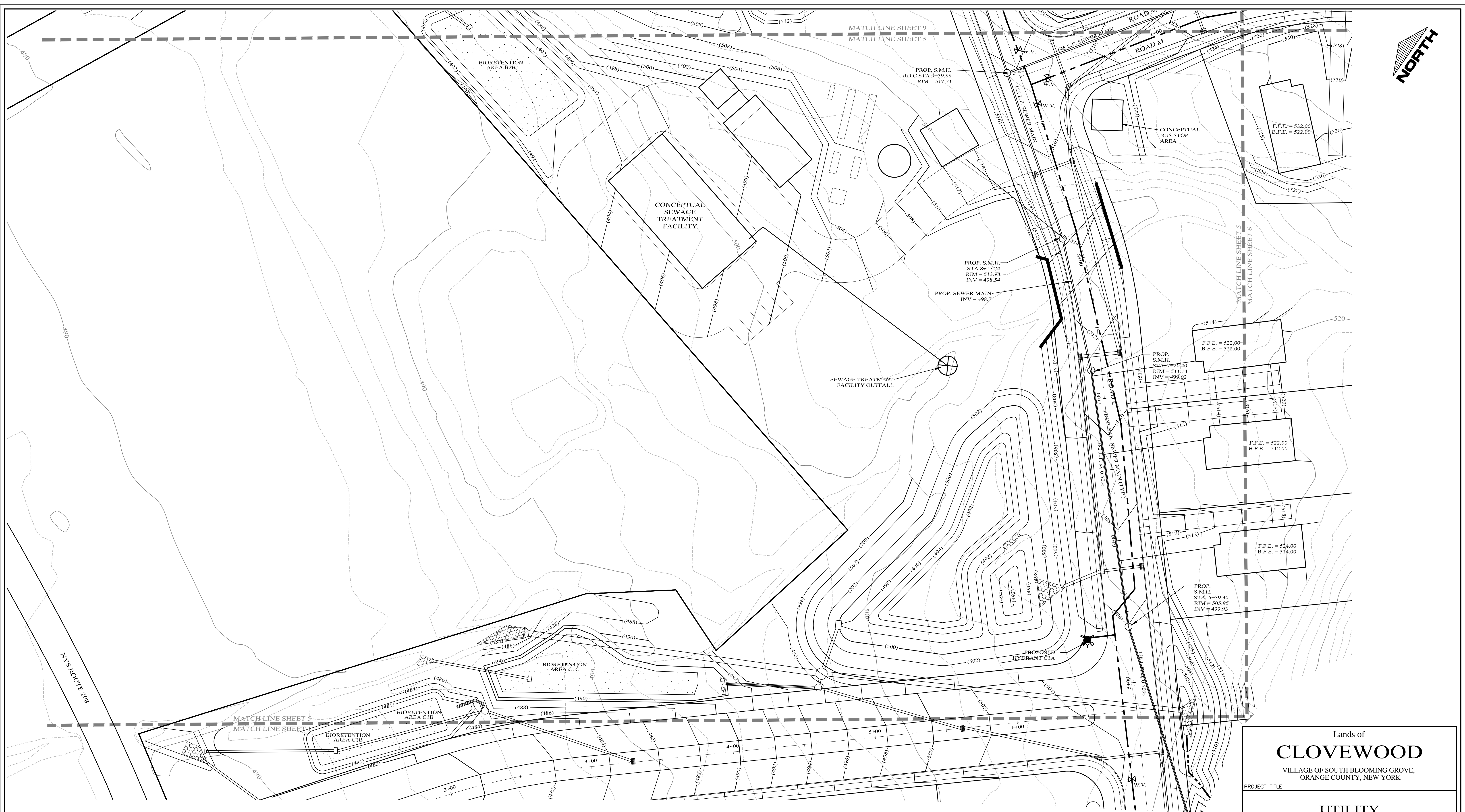
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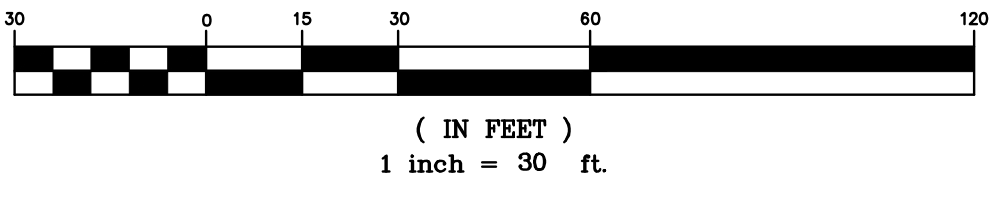
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EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
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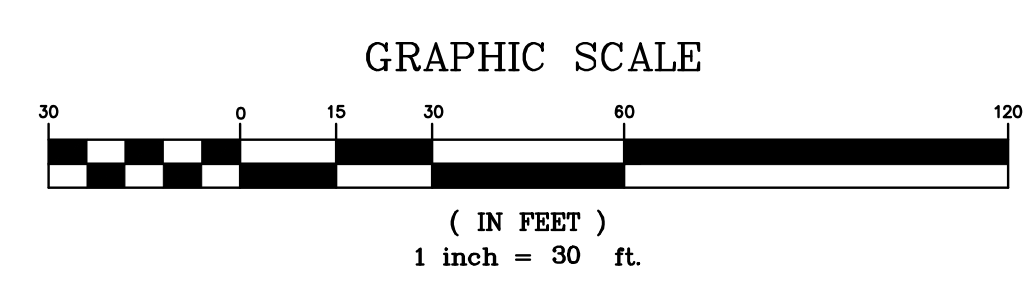
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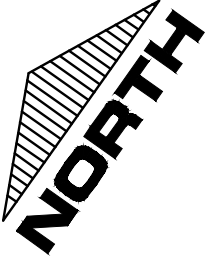
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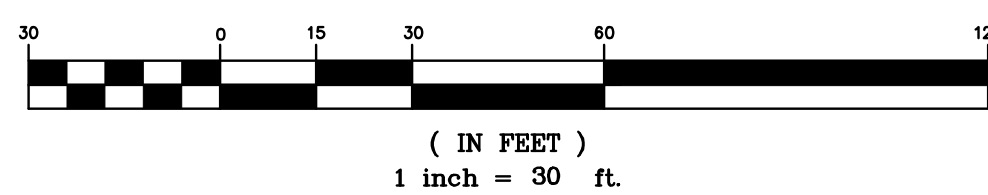
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GRAPHIC SCALE



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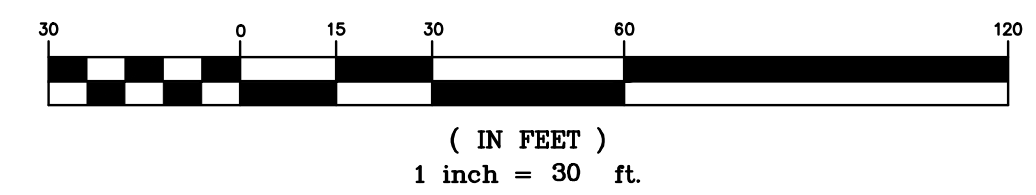
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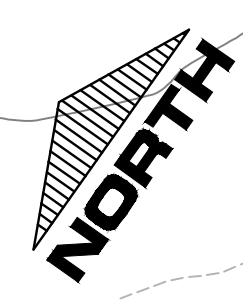
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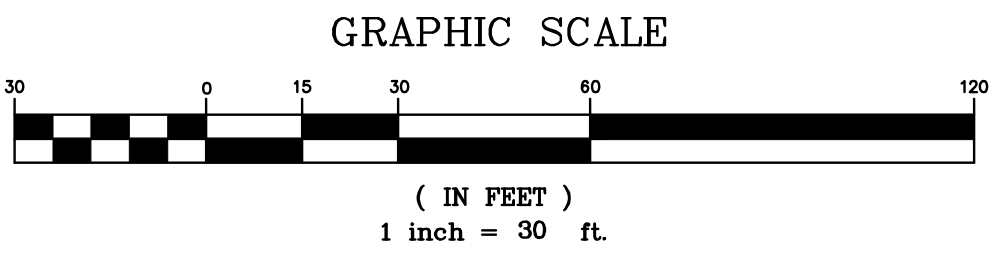
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PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	PROPOSED WATER SERVICE
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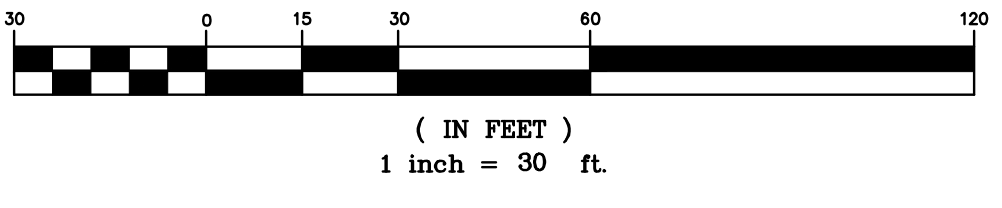
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PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**UTILITY
PLAN**

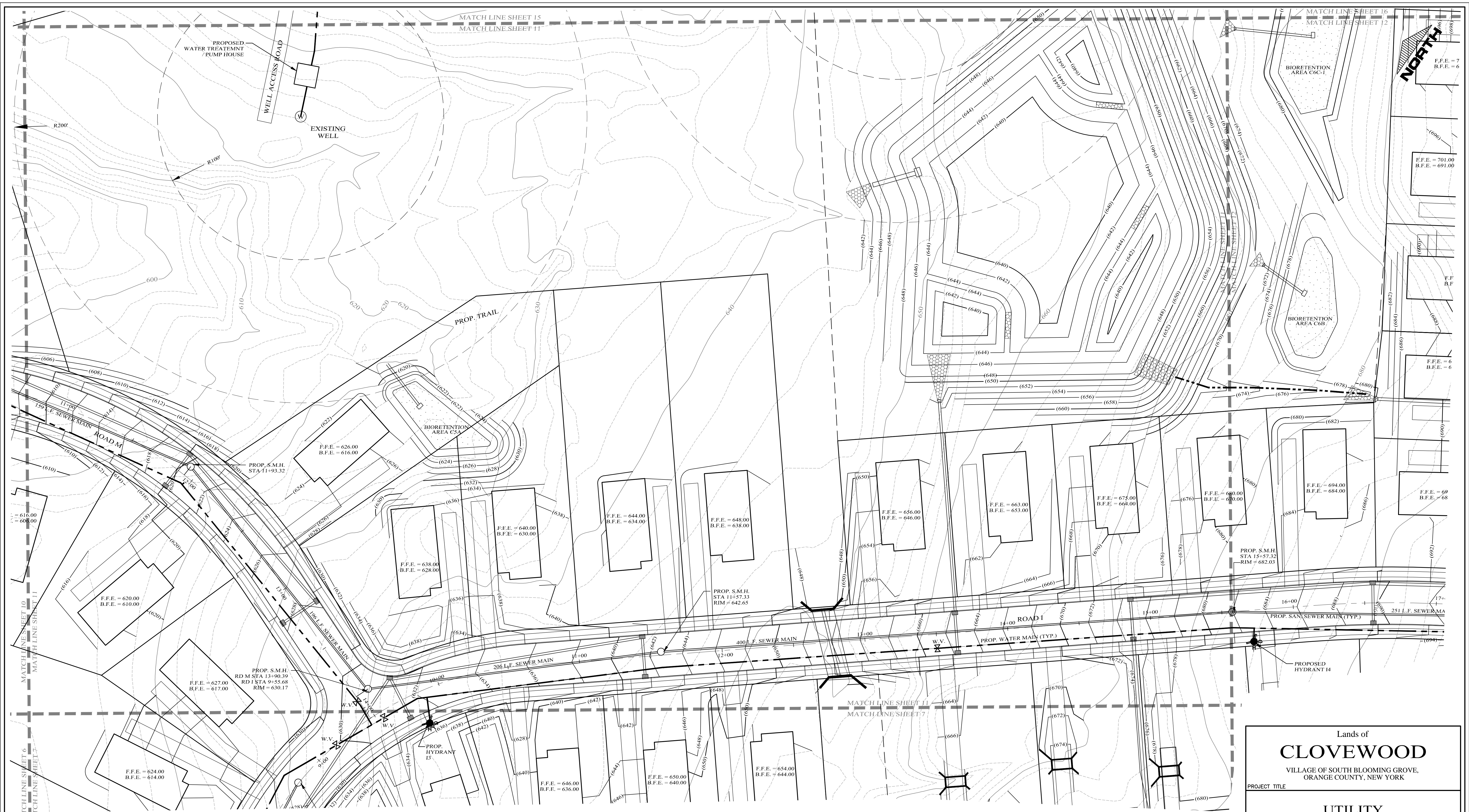
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Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

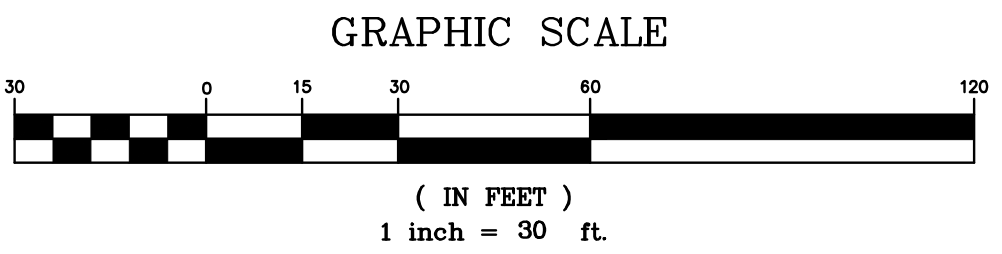
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N.A.	N.A.	N.A.	U 10
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



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VILLAGE OF SOUTH BLOOMING GROVE,
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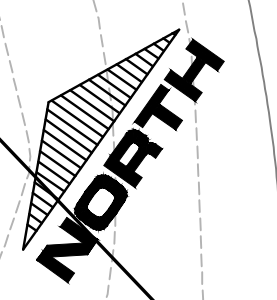
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CAD #	PROJECT #	SCALE	
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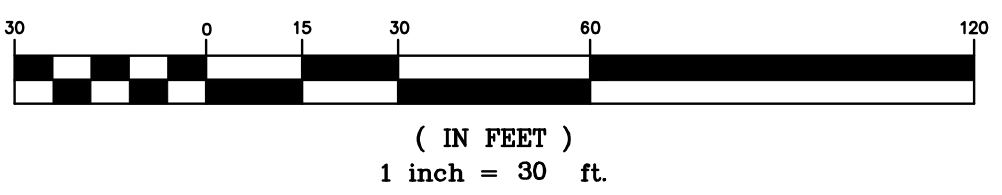
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LEGEND

EXISTING PROPERTY LINE	---	PROPOSED WATER MAIN	—+—+—+—
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	—+—+—+—
PROPOSED SETBACK LINE	---	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	---(600)---	PROPOSED SEWER BLDG. LATERAL	—+—+—+—
EXISTING 2' CONTOUR LINE	---(600)---	PROPOSED FOOTING DRAIN	—+—+—+—
PROPOSED CONTOUR LINE	---(600)---	PROPOSED ROOF DRAIN	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CULVERT	—+—+—+—
PROPOSED ROAD CENTERLINE	---	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CATCH BASIN	○
EXISTING DEC WETLANDS	---	PROPOSED DRAINAGE FIELD INLET	○
EXISTING FEDERAL WETLANDS	---	PROPOSED WATER SERVICE	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	---		
EXISTING EDGE OF PAVEMENT	---		
PROPOSED SWALE	---		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**UTILITY
PLAN**

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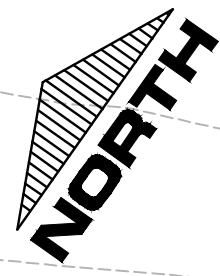
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5 Saint Stephens Lane, Warwick NY 10990
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01-29-19	PRELIMINARY DESIGN	N.A.	N.A.
03-26-18	INITIAL PREPARATION	N.A.	N.A.
DATE	REVISIONS	D.O.T. SHEET #	D.E.C. SHEET #
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		PROJECT #	SCALE
		14107 BASE	14107.0 AS NOTED

DATE
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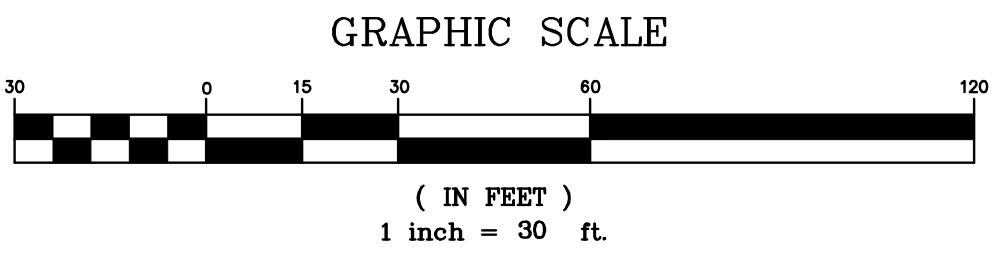
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EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE CATCH BASIN	○
EXISTING FEDERAL WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WATER SERVICE	-----
EXISTING EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED SWALE	-----		



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
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PROJECT TITLE

**UTILITY
PLAN**

DRAWING TITLE

Kirk Rother, P.E.
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(845) 988-0620

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01-29-19	PRELIMINARY DESIGN	D.O.T. SHEET #	D.E.C. SHEET #
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		PROJECT #	SCALE
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			AS NOTED

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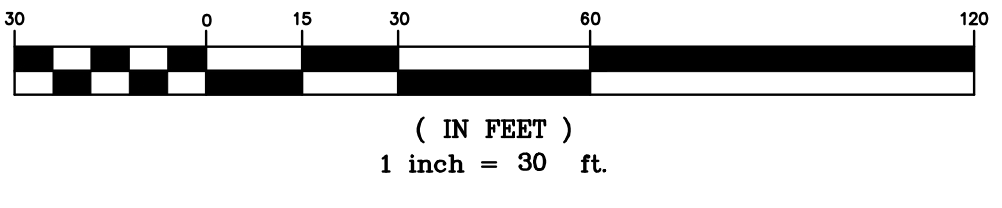
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		PROJECT #	SCALE
		14107 BASE	14107.0
			AS NOTED



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE FIELD INLET
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED WATER SERVICE
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

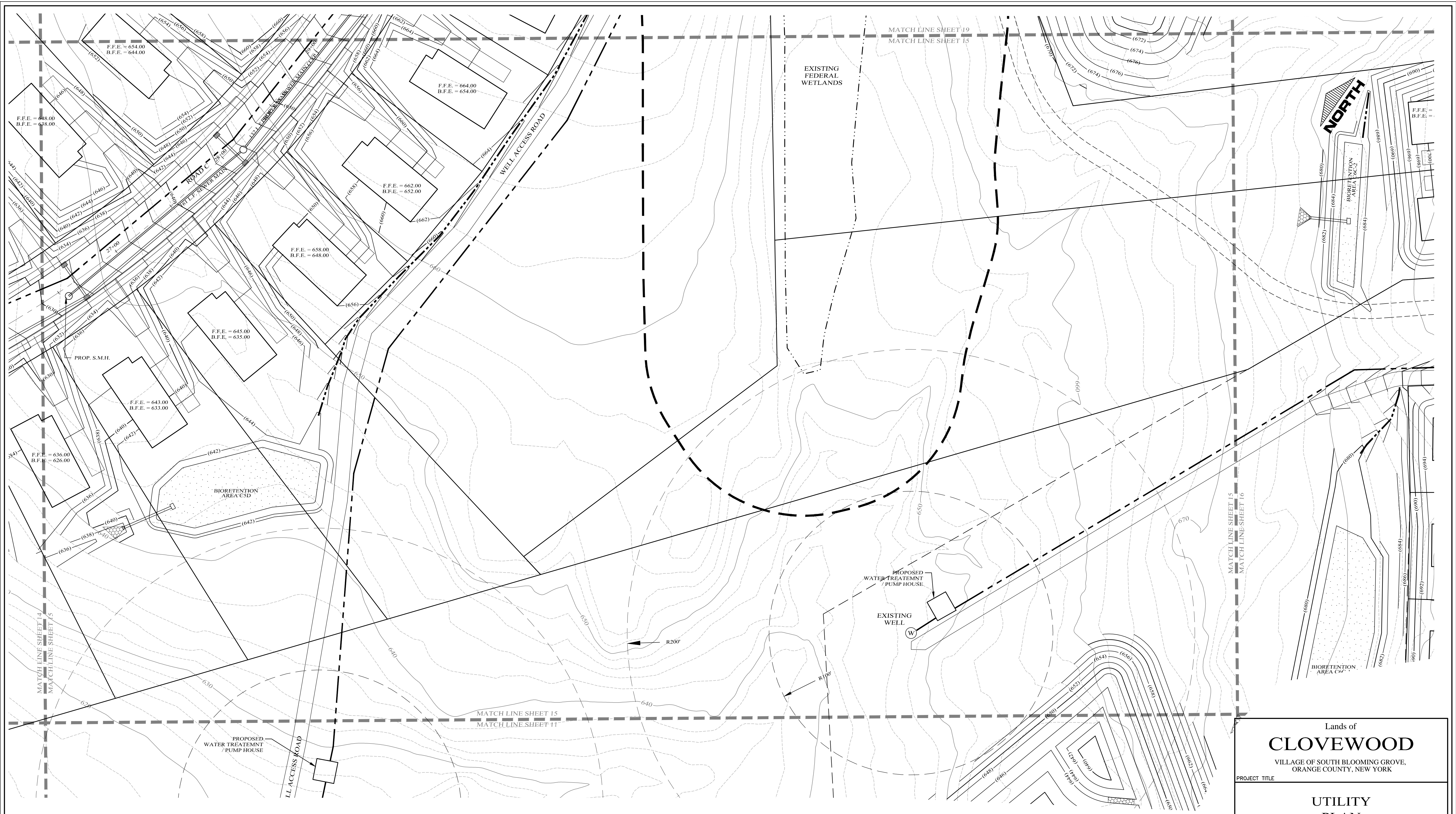
PROJECT TITLE
UTILITY PLAN

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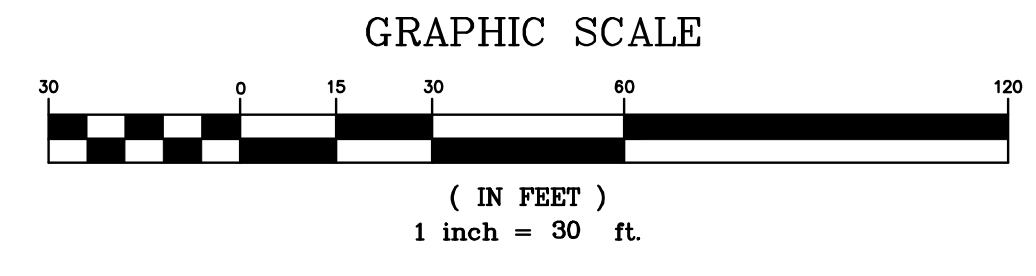
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N.A.	N.A.	N.A.	U 14

CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	W ----- W
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

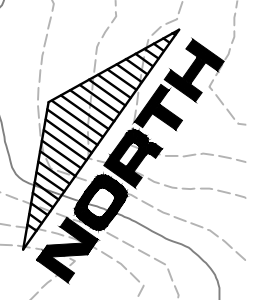
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CAD #	PROJECT #	SCALE	
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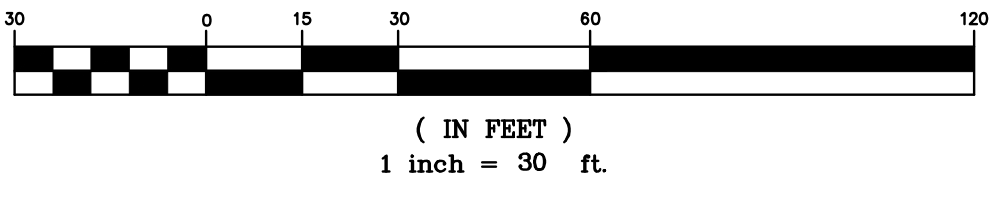
DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
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EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



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N.A.	N.A.	N.A.	U 16
CAD #	PROJECT #	SCALE	
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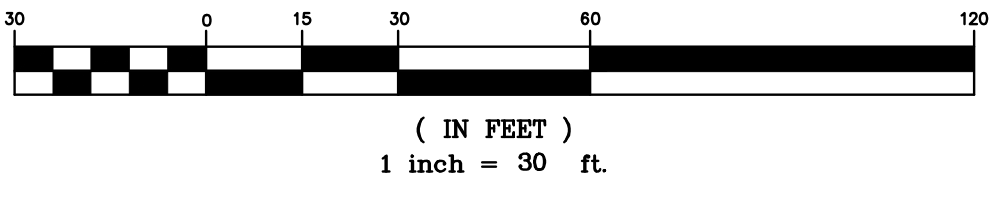
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EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SETBACK LINE	PROPOSED SEWER MAIN
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED ROOF DRAIN	PROPOSED SEWER BLDG. LATERAL
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE FIELD INLET	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE
EXISTING EDGE OF PAVEMENT	PROPOSED WATER SERVICE	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING DEC WETLANDS	PROPOSED WTR SERV. VALVE BOX	PROPOSED WTR SERV. VALVE BOX	
EXISTING FEDERAL WETLANDS			
PROPOSED EDGE OF PAVEMENT			
PROPOSED ROAD CENTERLINE			
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

GRAPHIC SCALE



Lands of
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ORANGE COUNTY, NEW YORK

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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 17
CAD #	PROJECT #	SCALE	
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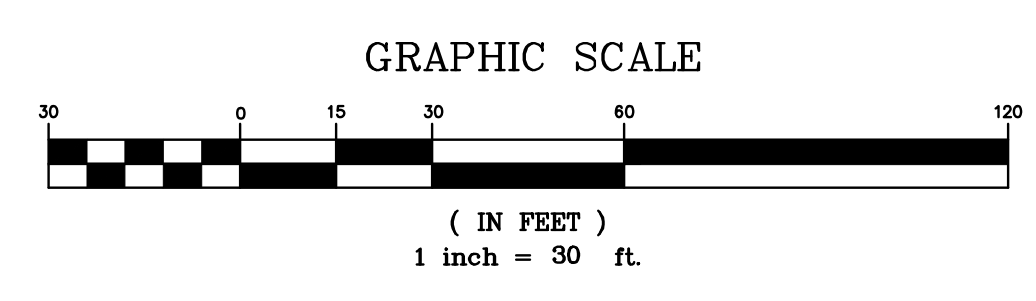
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PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	-----
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PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WATER SERVICE	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		



Lands of
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ORANGE COUNTY, NEW YORK

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CAD #	PROJECT #	SCALE		
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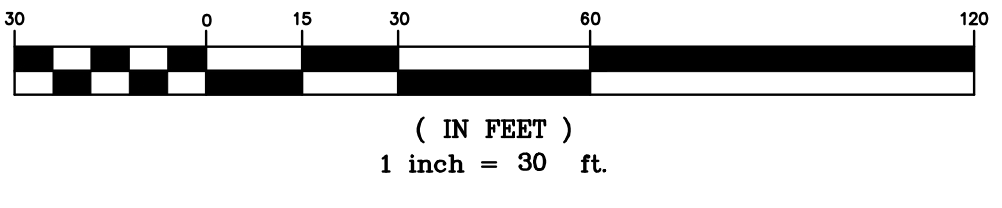
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PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	- - - - -
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	○
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	○
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	○
PROPOSED EDGE OF PAVEMENT	=====	PROPOSED DRAINAGE CULVERT	○
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
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EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	○
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	○
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

UTILITY PLAN

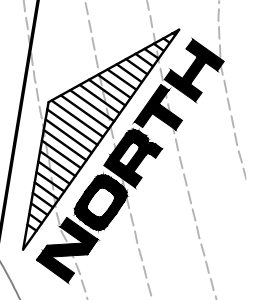
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14107 BASE	14107.0	AS NOTED

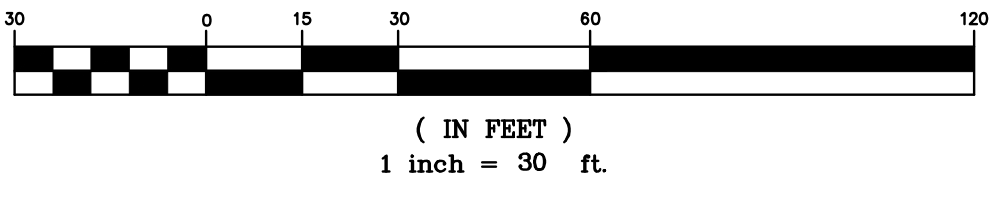
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LEGEND

EXISTING PROPERTY LINE	---	PROPOSED WATER MAIN	—+—+—+—
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	—+—+—+—
PROPOSED SETBACK LINE	---	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	---(600)---	PROPOSED SEWER BLDG. LATERAL	—+—+—+—
EXISTING 2' CONTOUR LINE	---	PROPOSED FOOTING DRAIN	—+—+—+—
PROPOSED CONTOUR LINE	---	PROPOSED ROOF DRAIN	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CULVERT	—+—+—+—
PROPOSED ROAD CENTERLINE	---	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CATCH BASIN	○
EXISTING DEC WETLANDS	---	PROPOSED DRAINAGE FIELD INLET	○
EXISTING FEDERAL WETLANDS	---	PROPOSED WATER SERVICE	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	---		
EXISTING EDGE OF PAVEMENT	---		
PROPOSED SWALE	---		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

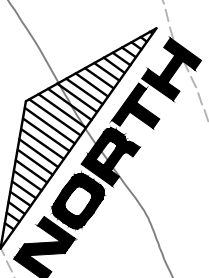
**UTILITY
PLAN**

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

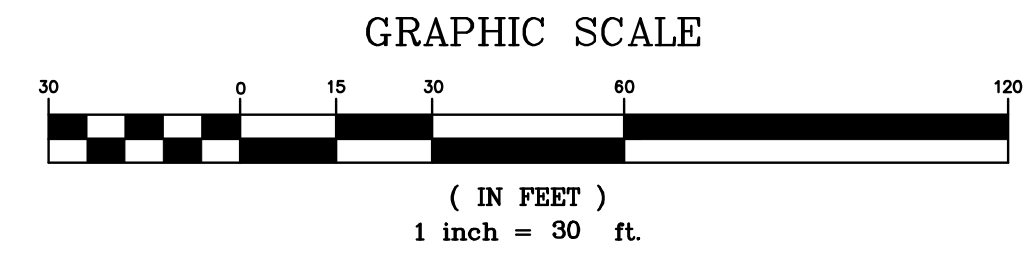
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 20
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

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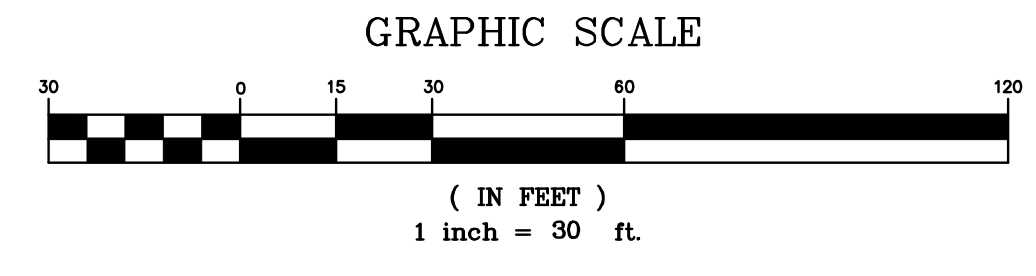
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CAD #	PROJECT #	SCALE		
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	
PROPOSED ROAD CENTERLINE	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



10-27-21 REV. PER DEIS COMMENTS		KIRK ROTHER, P.E. N.Y.S. LIC. NO. 679653		DATE
01-29-19 PRELIMINARY DESIGN		D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #
03-26-18 INITIAL PREPARATION		N.A.	N.A.	N.A.
DATE		PROJECT #	SCALE	U 23
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Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620



MATCH LINE SHEET 29
MATCH LINE SHEET 24

NORTH

CONCEPTUAL
PLAYGROUND
AREA

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

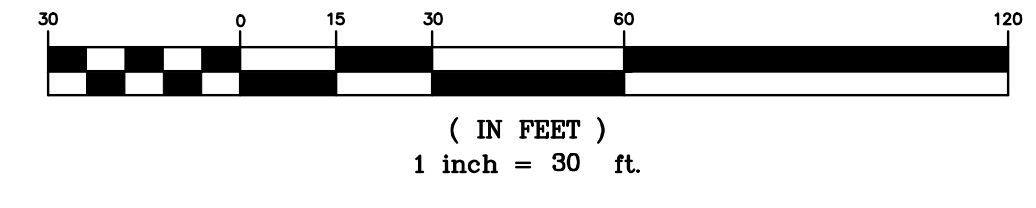
UTILITY
PLAN

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
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LEGEND

- | | | |
|---------------------------|-------------------------------|------------------------------|
| EXISTING PROPERTY LINE | PROPOSED WATER MAIN | PROPOSED WTR SERV. VALVE BOX |
| PROPOSED PROPERTY LINE | PROPOSED SEWER MAIN | |
| PROPOSED SETBACK LINE | PROPOSED SEWER MAN HOLE | |
| EXISTING 10' CONTOUR LINE | PROPOSED SEWER BLDG. LATERAL | |
| EXISTING 2' CONTOUR LINE | PROPOSED FOOTING DRAIN | |
| PROPOSED CONTOUR LINE | PROPOSED ROOF DRAIN | |
| PROPOSED EDGE OF PAVEMENT | PROPOSED DRAINAGE CULVERT | |
| PROPOSED ROAD CENTERLINE | PROPOSED DRAINAGE MAN HOLE | |
| EXISTING EDGE OF PAVEMENT | PROPOSED DRAINAGE CATCH BASIN | |
| EXISTING DEC WETLANDS | PROPOSED DRAINAGE FIELD INLET | |
| EXISTING FEDERAL WETLANDS | PROPOSED WATER SERVICE | |
| PROPOSED EDGE OF PAVEMENT | | |
| PROPOSED ROAD CENTERLINE | | |
| EXISTING EDGE OF PAVEMENT | | |
| PROPOSED SWALE | | |

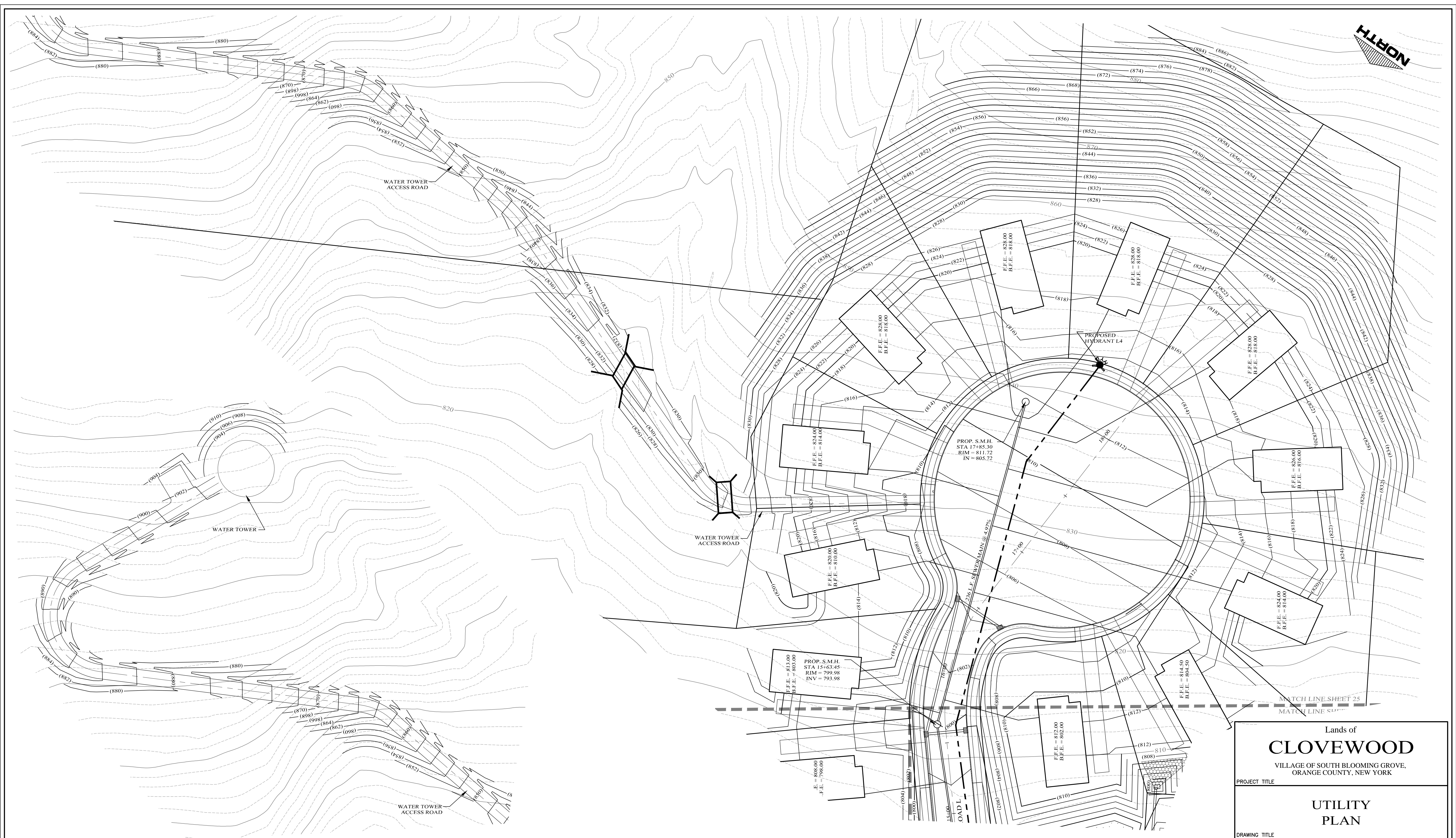
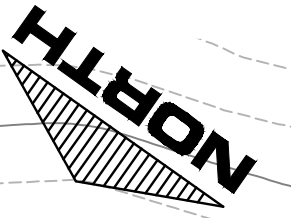
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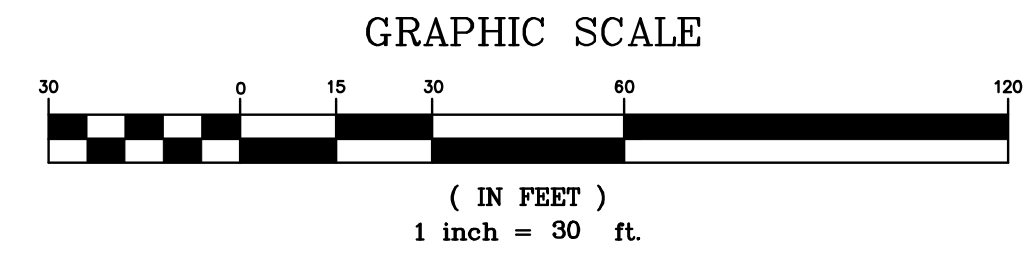
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PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	
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PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	
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PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

DRAWING TITLE

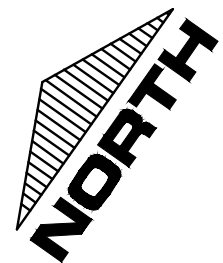
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U 25



EXISTING STATE WETLANDS

EXISTING LAKE

MATCH LINE SHEET 26
MATCH LINE SHEET 21

MATCH LINE SHEET 30
MATCH LINE SHEET 26

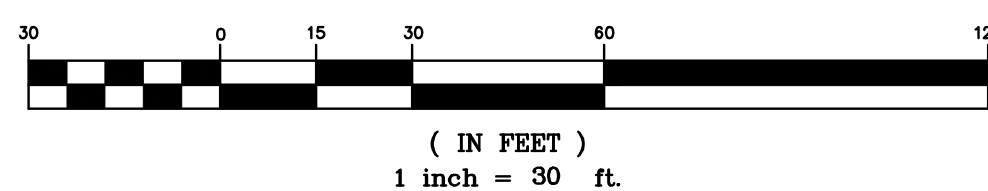
MATCH LINE SHEET 26
MATCH LINE SHEET 27



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
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EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



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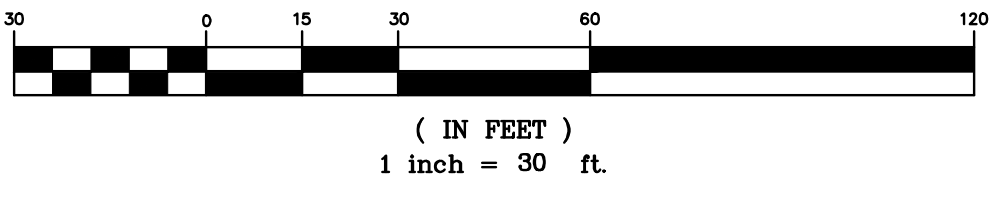
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PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
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PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

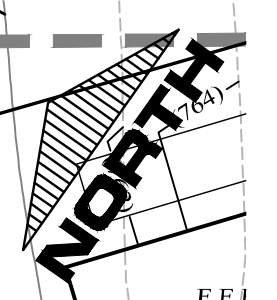
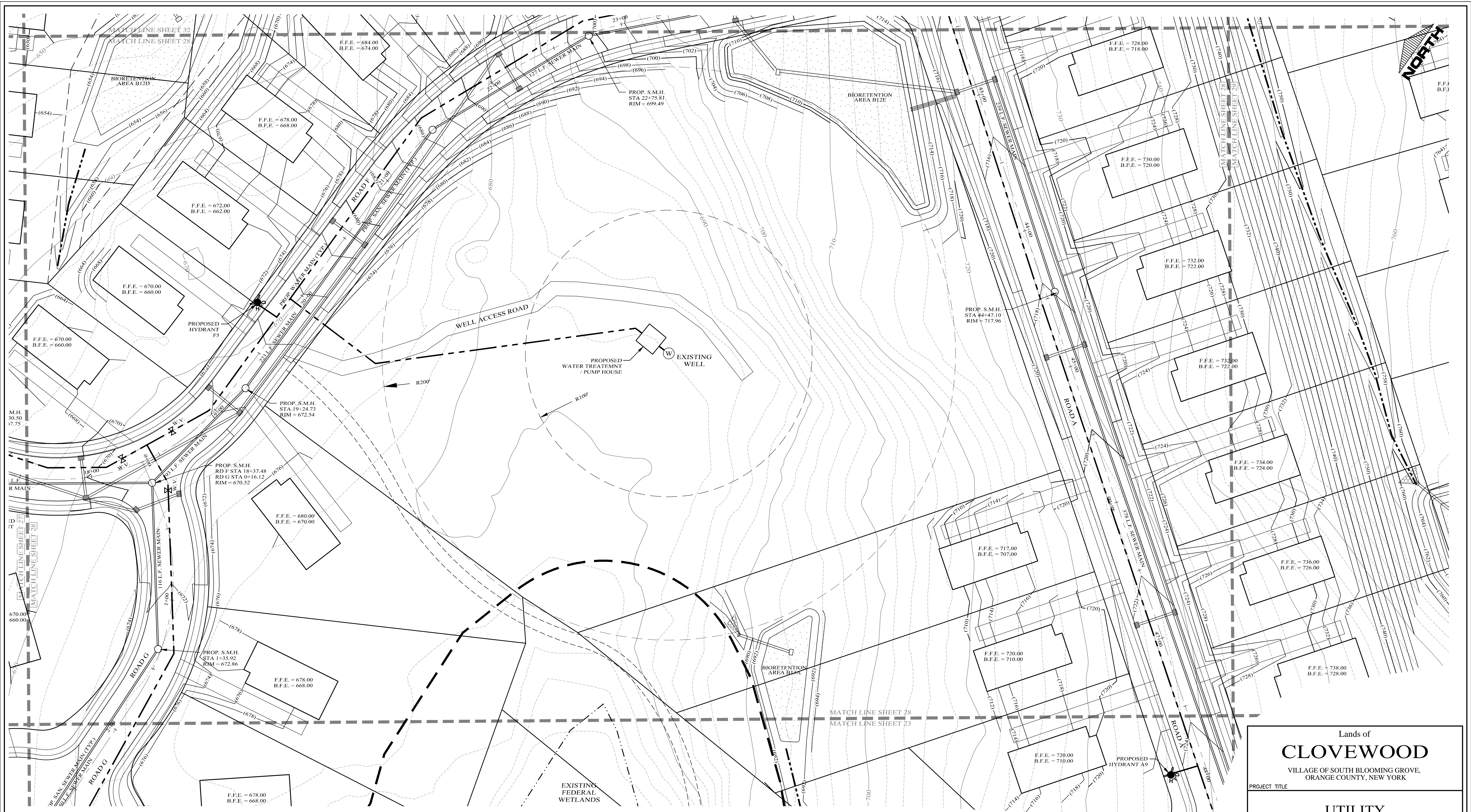
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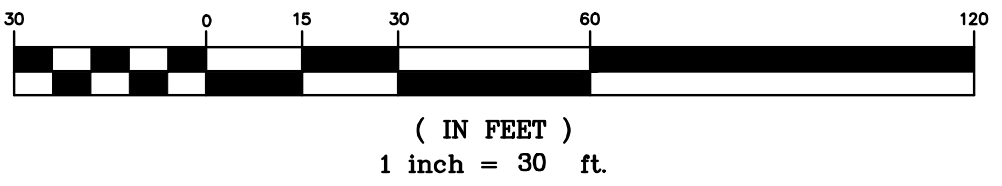
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PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



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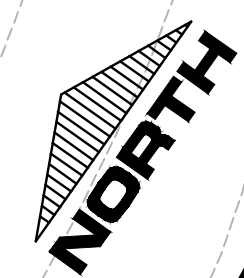
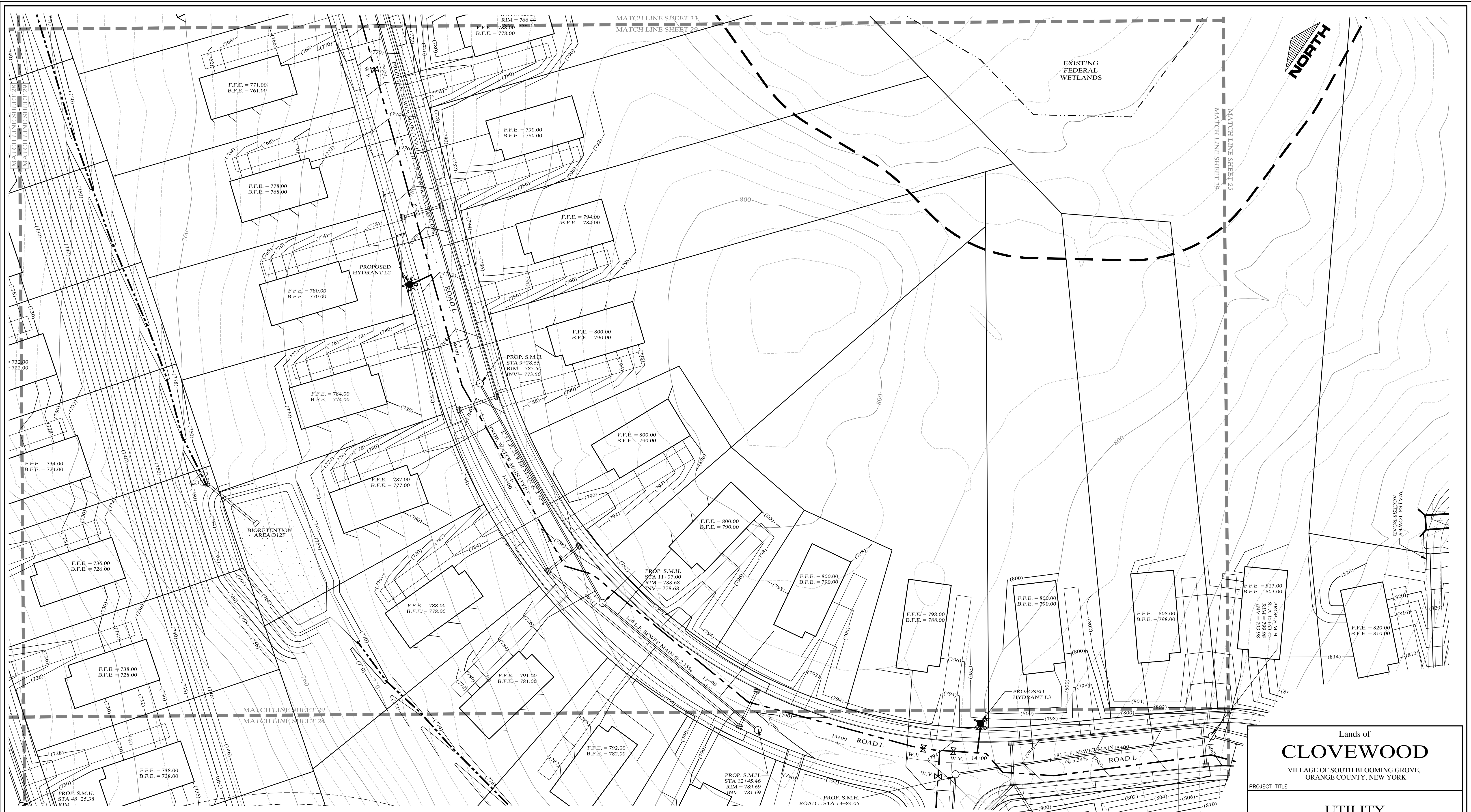
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N.A.	N.A.	N.A.	U 28

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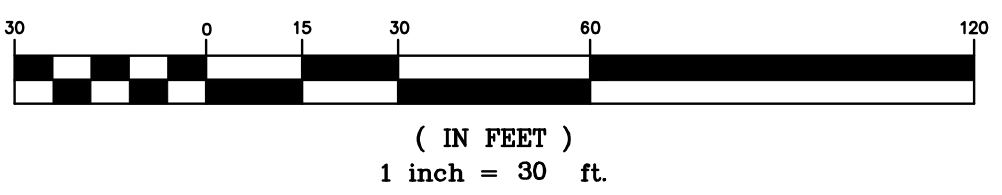
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING 2' CONTOUR LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING EDGE OF PAVEMENT	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING DEC WETLANDS	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING FEDERAL WETLANDS	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING EDGE OF PAVEMENT	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED SWALE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

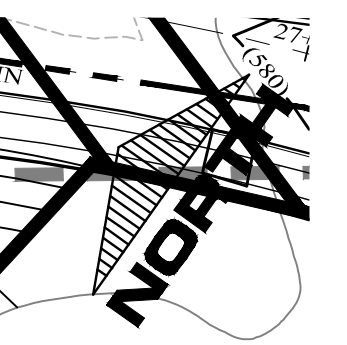
DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		U 29
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

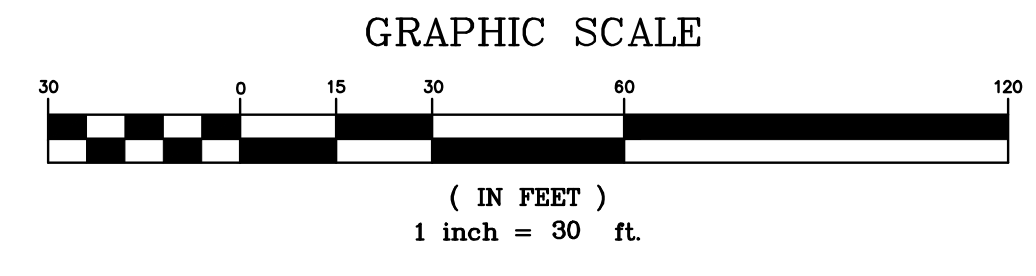
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EXISTING STATE WETLANDS

LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**UTILITY
PLAN**

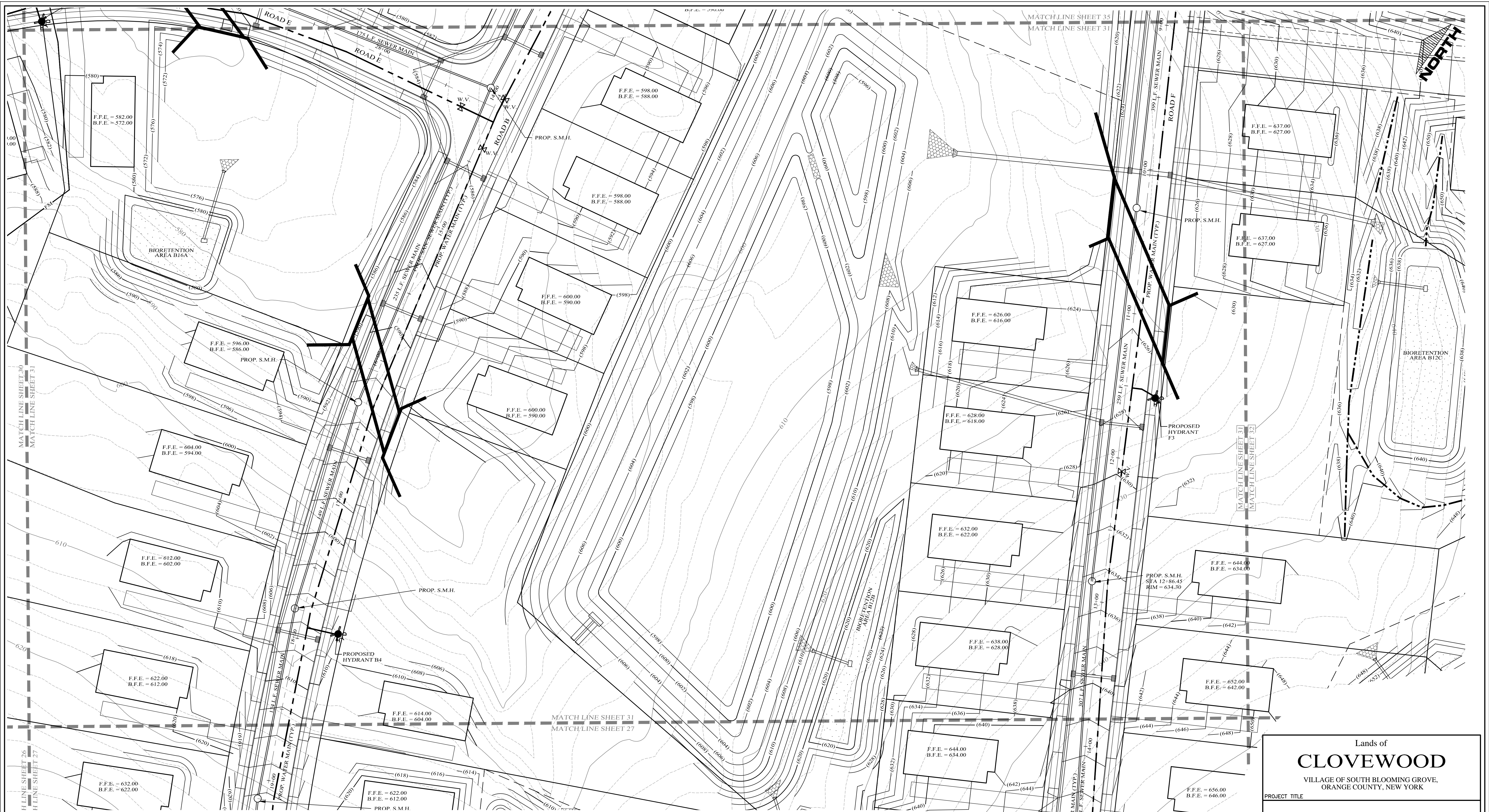
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10-27-21	REV. PER DEIS COMMENTS
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03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 30
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

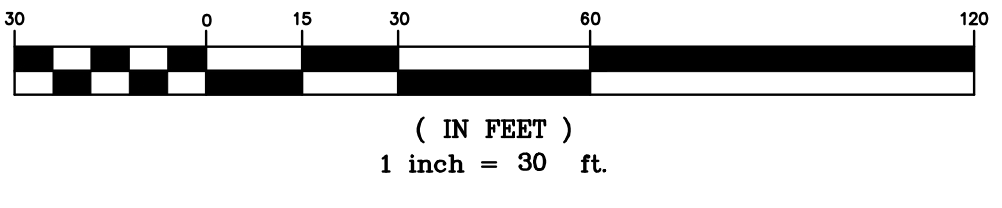
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED WATER SERVICE
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	
PROPOSED SWALE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

UTILITY PLAN

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

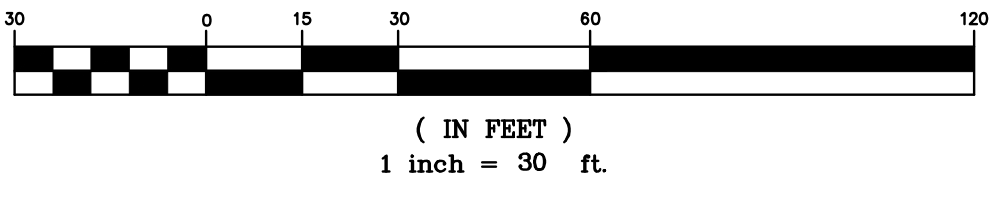
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 31
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CULVERT	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS		
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



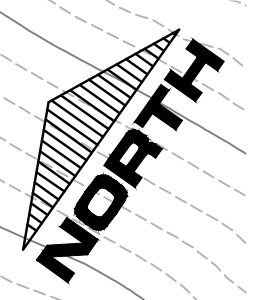
Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

UTILITY PLAN

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

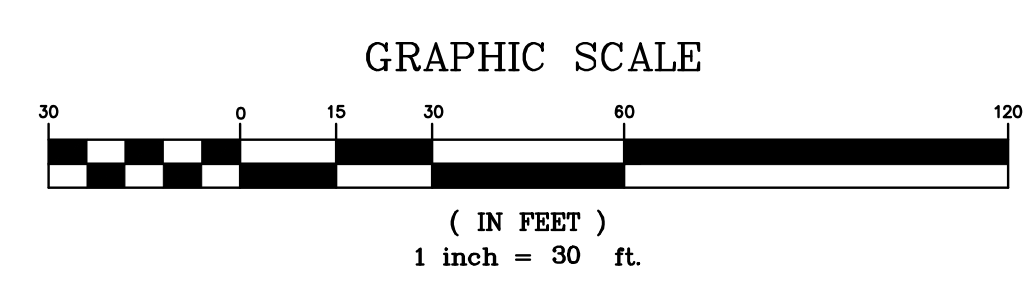
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079653	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	REV. PER DEIS COMMENTS	O.C.H.D. SHEET #	SHEET #
N.A.		N.A.	N.A.
CAD #		PROJECT #	SCALE
14107 BASE		14107.0	AS NOTED



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE FIELD INLET
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED WATER SERVICE
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**UTILITY
PLAN**

DRAWING TITLE

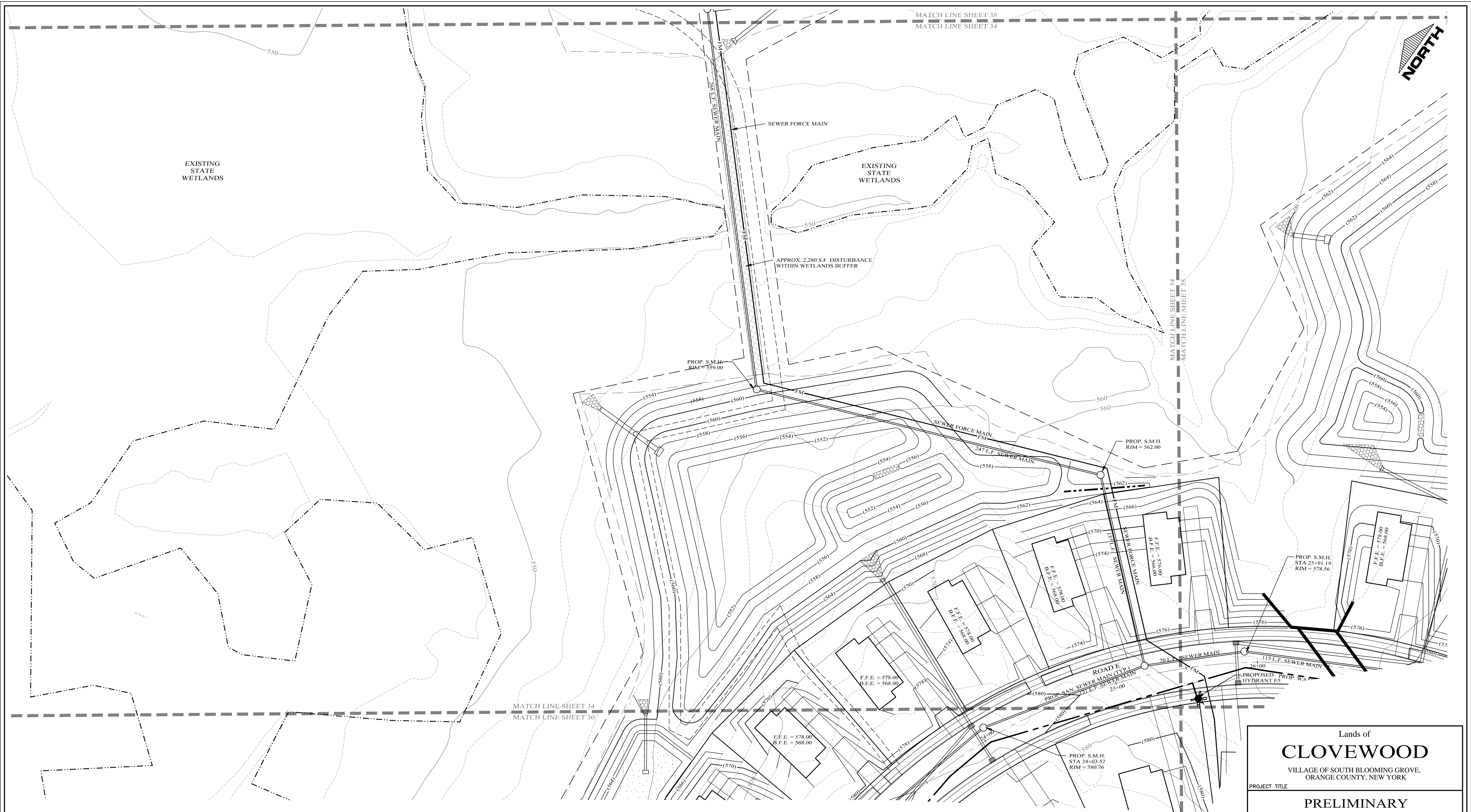
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	DATE
10-27-21	REV. PER DEIS COMMENTS	
01-29-19	PRELIMINARY DESIGN	
03-26-18	INITIAL PREPARATION	

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 33

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.

CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED



EXISTING STATE WETLANDS

EXISTING STATE WETLANDS

APPROX. 2,280 S.F. DISTURBANCE WITHIN WETLANDS BUFFER

PROP. S.M.H. STA 24+03.52 RIM = 559.00

PROP. S.M.H. STA 25+91.19 RIM = 562.00

PROP. S.M.H. STA 25+91.19 RIM = 578.56

PROP. S.M.H. STA 24+03.52 RIM = 580.76

F.F.E. = 578.00 B.F.E. = 568.00

F.F.E. = 578.00 B.F.E. = 568.00

F.F.E. = 578.00 B.F.E. = 568.00

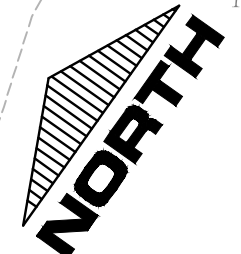
F.F.E. = 578.00 B.F.E. = 568.00

F.F.E. = 578.00 B.F.E. = 568.00

MATCH LINE SHEET 34
MATCH LINE SHEET 30

MATCH LINE SHEET 38
MATCH LINE SHEET 34

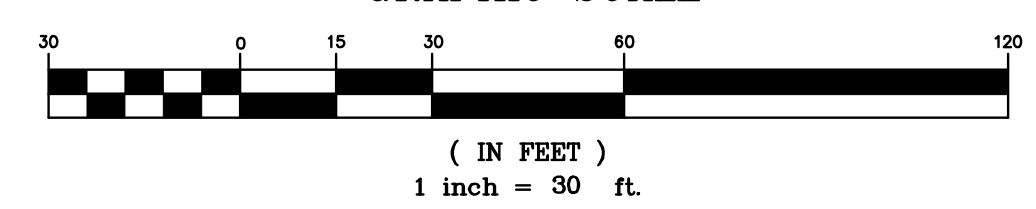
MATCH LINE SHEET 34
MATCH LINE SHEET 35



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**PRELIMINARY
UTILITY
PLAN**

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

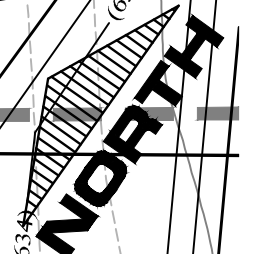
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 34
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

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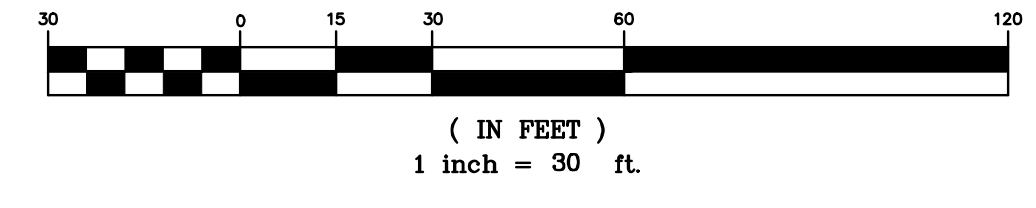
MATCH LINE SHEET 39
MATCH LINE SHEET 35



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED HYDRANT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED HYDRANT B3
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 35

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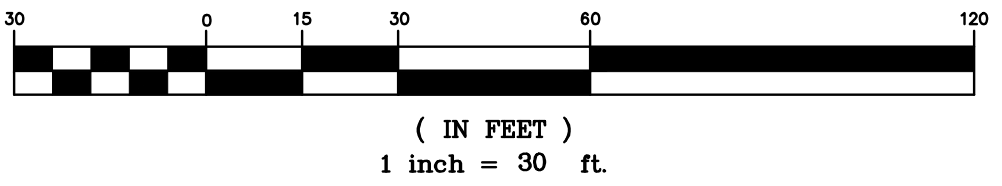
CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	-----	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

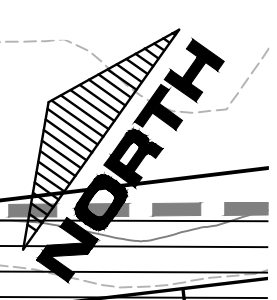
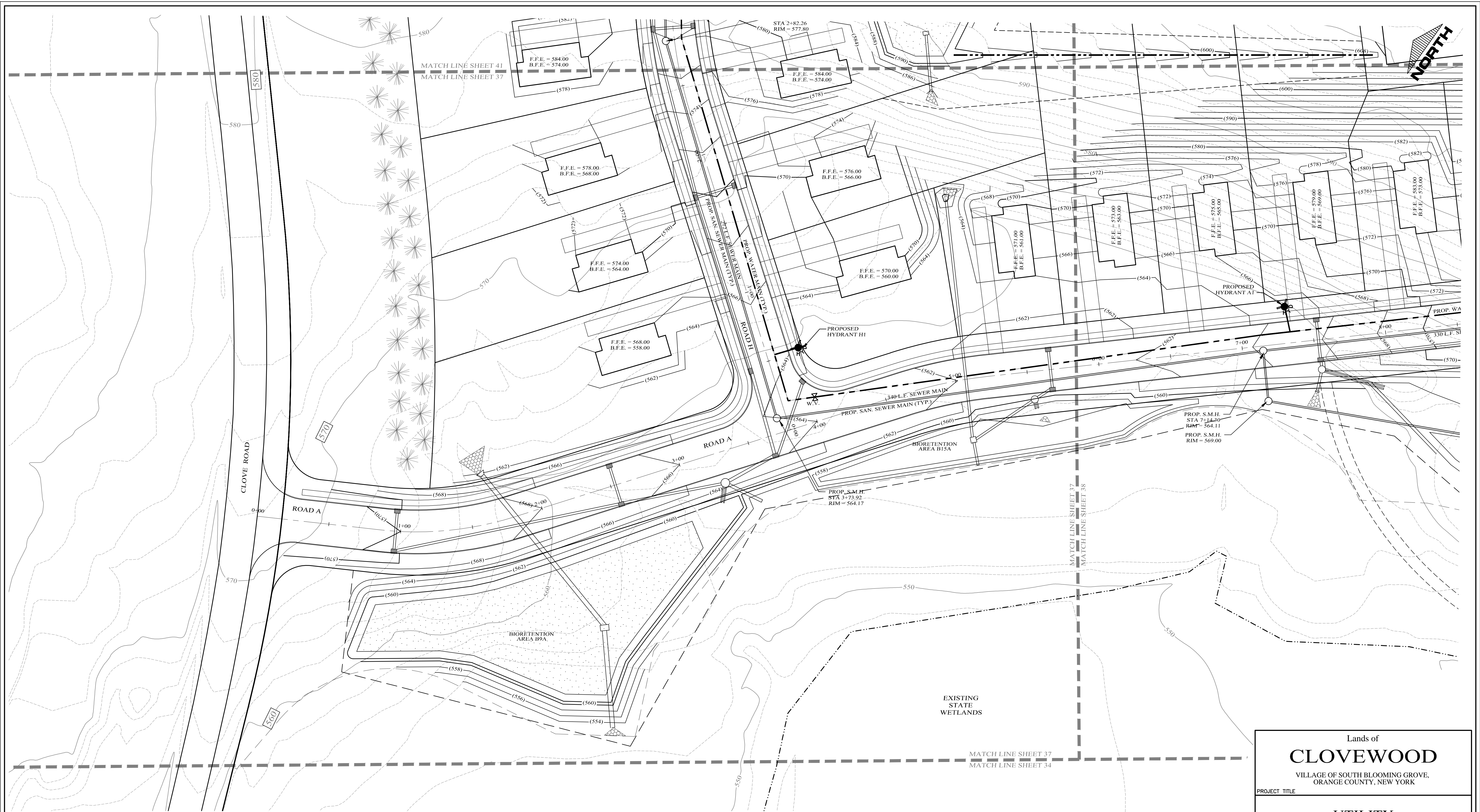
UTILITY PLAN

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

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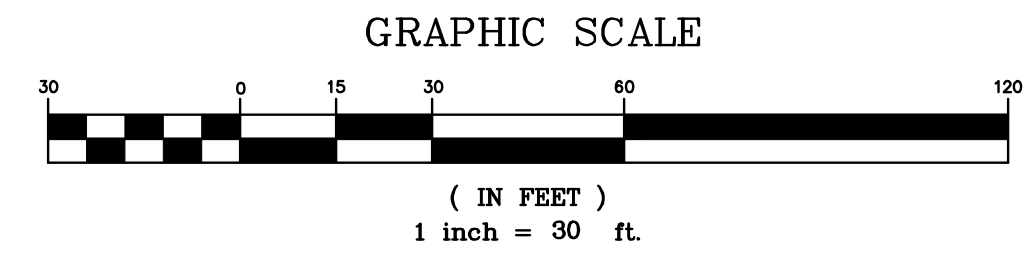
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 36
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

DRAWING TITLE

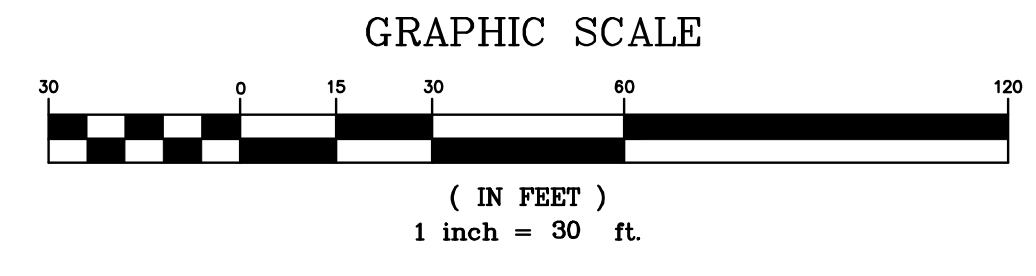
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 37
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN (TYP.)	PROPOSED FOOTING DRAIN
EXISTING 10' CONTOUR LINE	PROPOSED WATER MAIN (TYP.)	PROPOSED ROOF DRAIN
EXISTING 2' CONTOUR LINE	PROPOSED WATER MAIN (TYP.)	PROPOSED DRAINAGE CULVERT
PROPOSED CONTOUR LINE	PROPOSED WATER MAIN (TYP.)	PROPOSED DRAINAGE MAN HOLE
PROPOSED ROAD CENTERLINE	PROPOSED WATER MAIN (TYP.)	PROPOSED DRAINAGE CATCH BASIN
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER MAIN (TYP.)	PROPOSED DRAINAGE FIELD INLET
PROPOSED ROAD CENTERLINE	PROPOSED WATER MAIN (TYP.)	PROPOSED WATER SERVICE
EXISTING EDGE OF PAVEMENT	PROPOSED WATER MAIN (TYP.)	PROPOSED WTR SERV. VALVE BOX
EXISTING DEC WETLANDS	PROPOSED WATER MAIN (TYP.)	
EXISTING FEDERAL WETLANDS	PROPOSED WATER MAIN (TYP.)	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER MAIN (TYP.)	
PROPOSED ROAD CENTERLINE	PROPOSED WATER MAIN (TYP.)	
EXISTING EDGE OF PAVEMENT	PROPOSED WATER MAIN (TYP.)	
PROPOSED SWALE	PROPOSED WATER MAIN (TYP.)	



DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

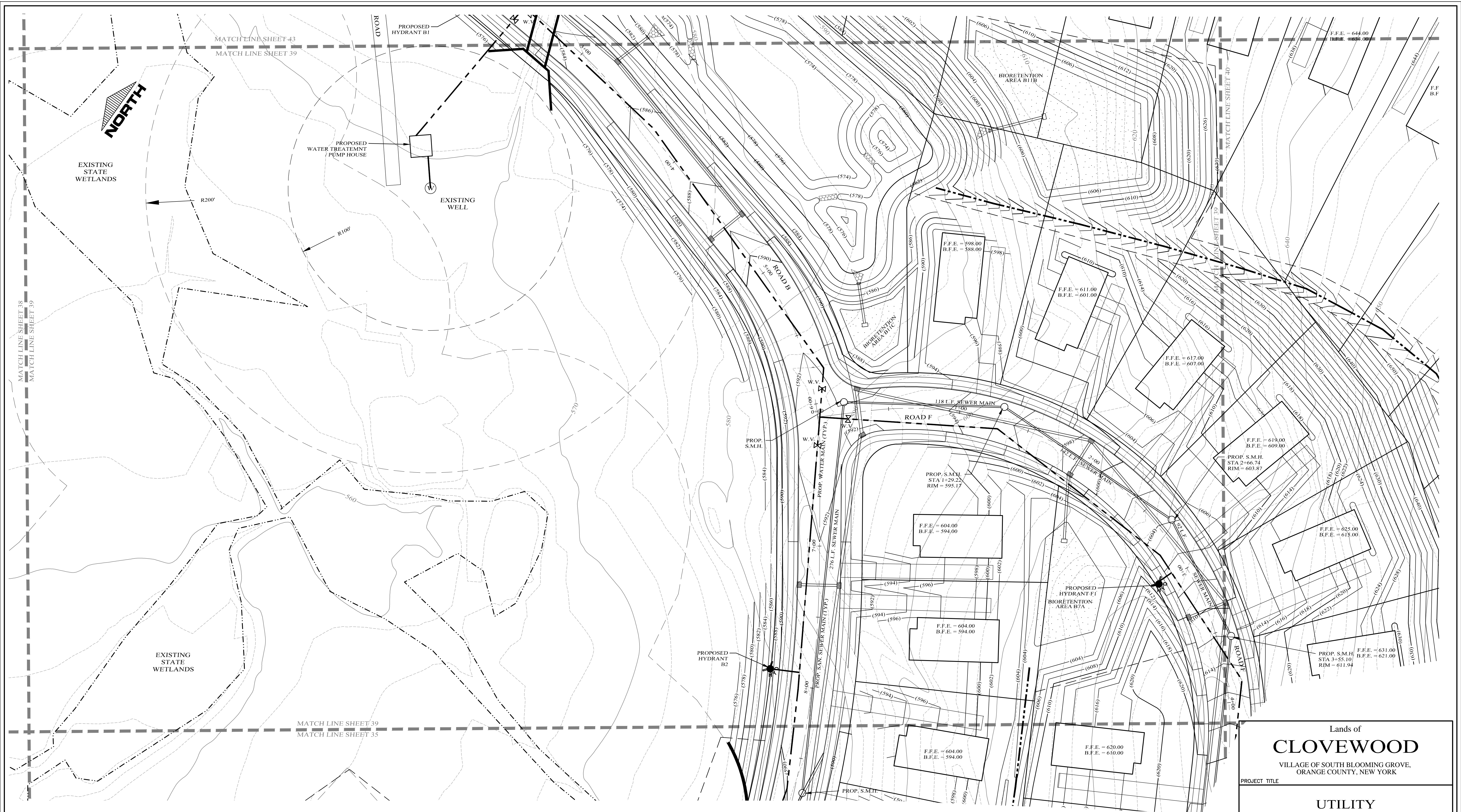
UTILITY PLAN

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N.A.	N.A.	N.A.	U 38
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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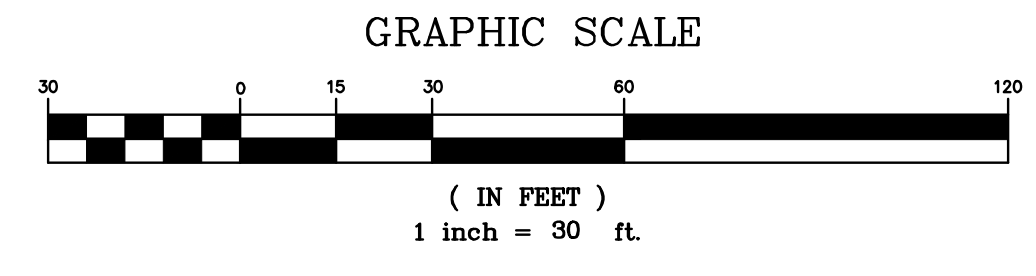
Lands of
CLOVEWOOD
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 ORANGE COUNTY, NEW YORK

PROJECT TITLE
UTILITY PLAN

DRAWING TITLE
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	
EXISTING 2' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
PROPOSED CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED ROOF DRAIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CULVERT	
EXISTING EDGL. OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE CATCH BASIN	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	
PROPOSED ROAD CENTERLINE	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



10-27-21	REV. PER DEIS COMMENTS		
01-29-19	PRELIMINARY DESIGN		
03-26-18	INITIAL PREPARATION		
DATE	REVISIONS	KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 39
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

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CONSULTING ENGINEER, PLLC
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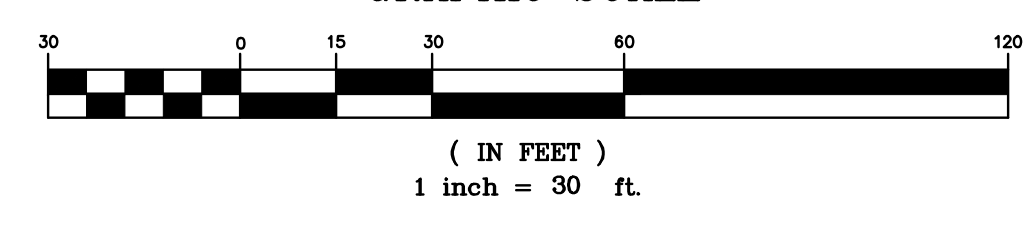
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01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 40
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

LEGEND

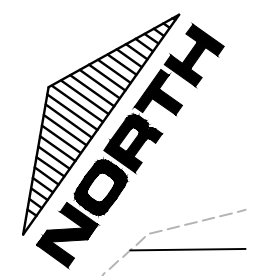
EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	○
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



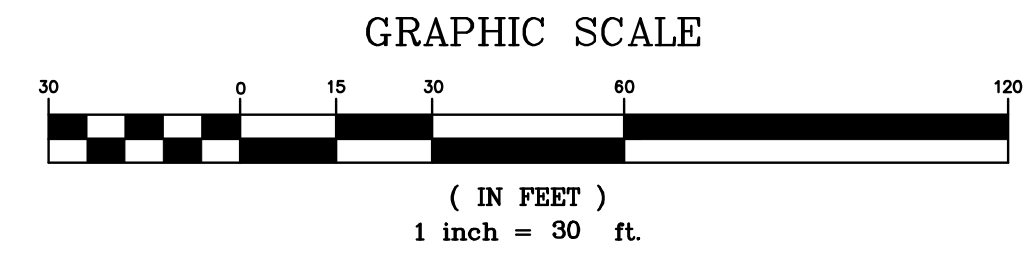
MATCH LINE SHEET 40
MATCH LINE SHEET 36

MATCH LINE SHEET 44
MATCH LINE SHEET 40



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

UTILITY PLAN

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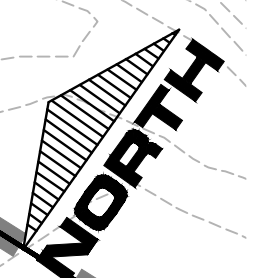
Kirk Rother, P.E.
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(845) 988-0620

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DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 41
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

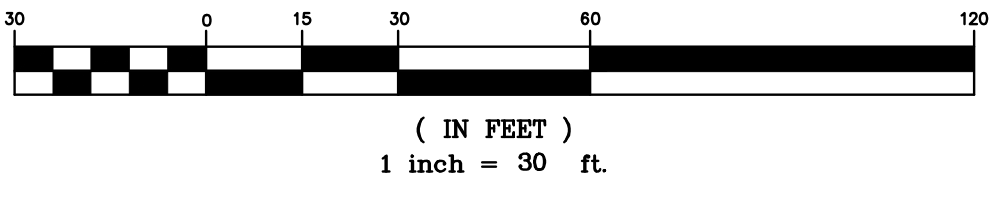
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED HYDRANT A3
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED HYDRANT A4
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED HYDRANT B1
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

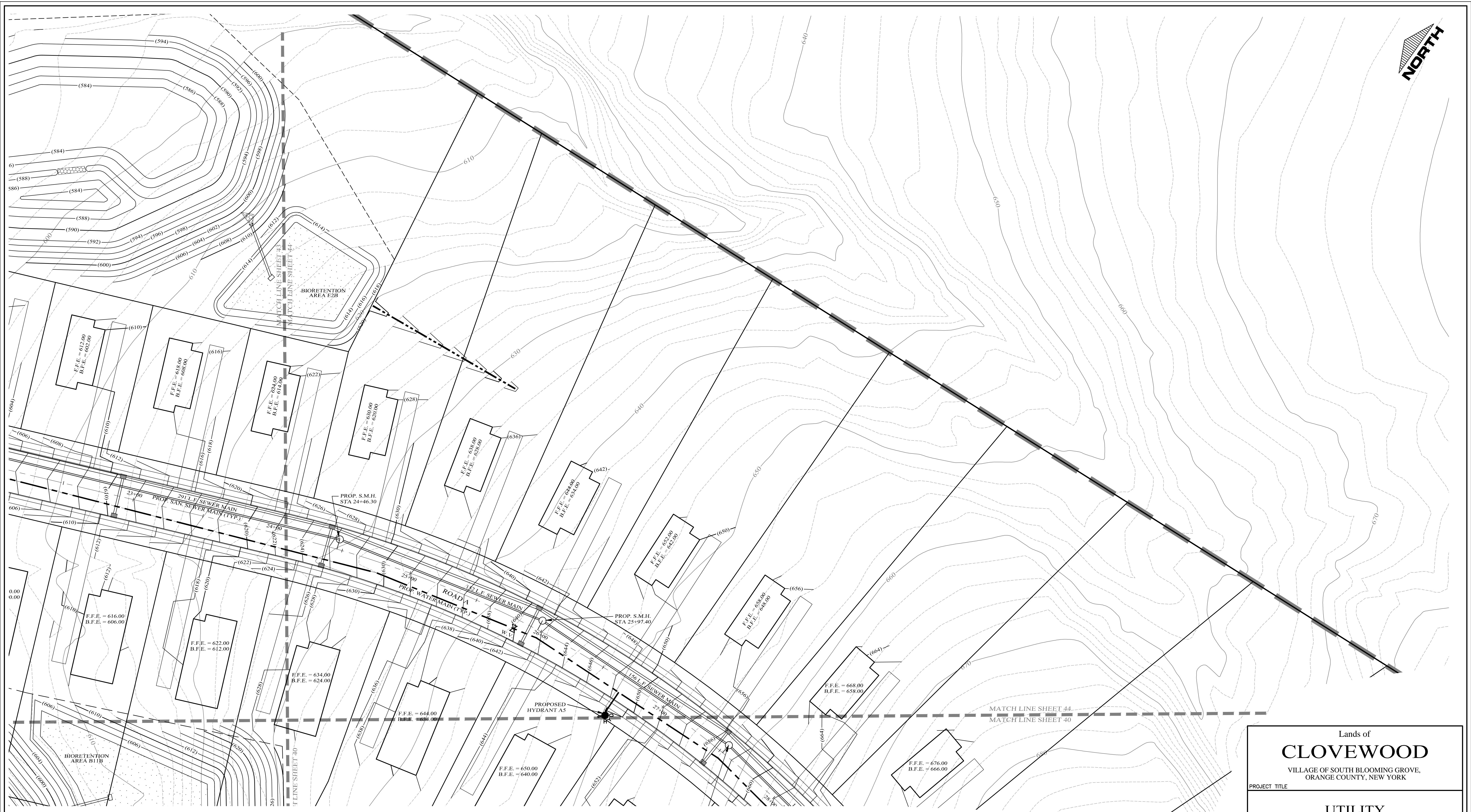
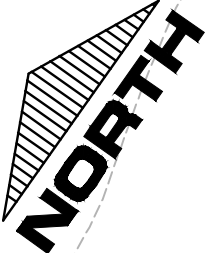
UTILITY PLAN

DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
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DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079653	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		U 43
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		



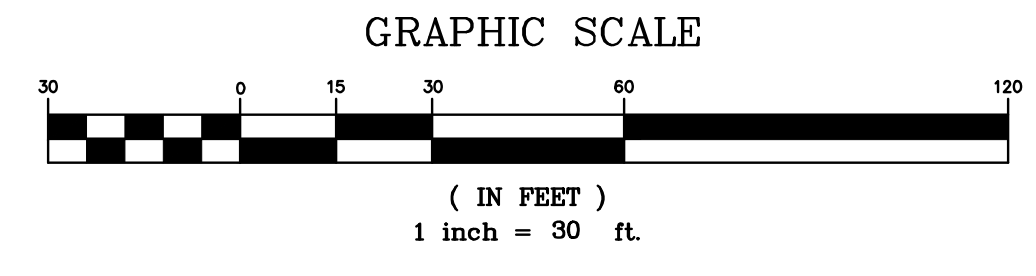
Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

UTILITY PLAN

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

LEGEND

- | | | | |
|---------------------------|-------|-------------------------------|------------|
| EXISTING PROPERTY LINE | ===== | PROPOSED WATER MAIN | ----- |
| PROPOSED PROPERTY LINE | ----- | PROPOSED SEWER MAIN | ----- |
| PROPOSED SETBACK LINE | ----- | PROPOSED SEWER MAN HOLE | ○ |
| EXISTING 10' CONTOUR LINE | ----- | PROPOSED SEWER BLDG. LATERAL | ----- |
| EXISTING 2' CONTOUR LINE | ----- | PROPOSED FOOTING DRAIN | ----- |
| PROPOSED CONTOUR LINE | (600) | PROPOSED ROOF DRAIN | F.D. ----- |
| PROPOSED EDGE OF PAVEMENT | ----- | PROPOSED DRAINAGE CULVERT | ----- |
| PROPOSED ROAD CENTERLINE | ----- | PROPOSED DRAINAGE MAN HOLE | ○ |
| EXISTING EDGE OF PAVEMENT | ----- | PROPOSED DRAINAGE CATCH BASIN | □ |
| EXISTING DEC WETLANDS | ----- | PROPOSED DRAINAGE FIELD INLET | ----- |
| EXISTING FEDERAL WETLANDS | ----- | PROPOSED WATER SERVICE | ----- |
| PROPOSED EDGE OF PAVEMENT | ----- | PROPOSED WTR SERV. VALVE BOX | □ |
| PROPOSED ROAD CENTERLINE | ----- | | |
| EXISTING EDGE OF PAVEMENT | ----- | | |
| PROPOSED SWALE | ----- | | |



DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	U 44
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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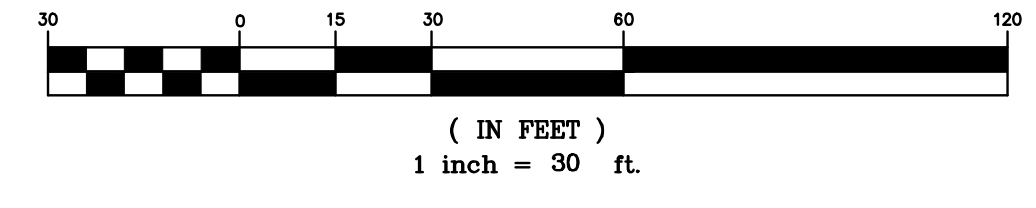
KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	
PROPOSED ROAD CENTERLINE	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

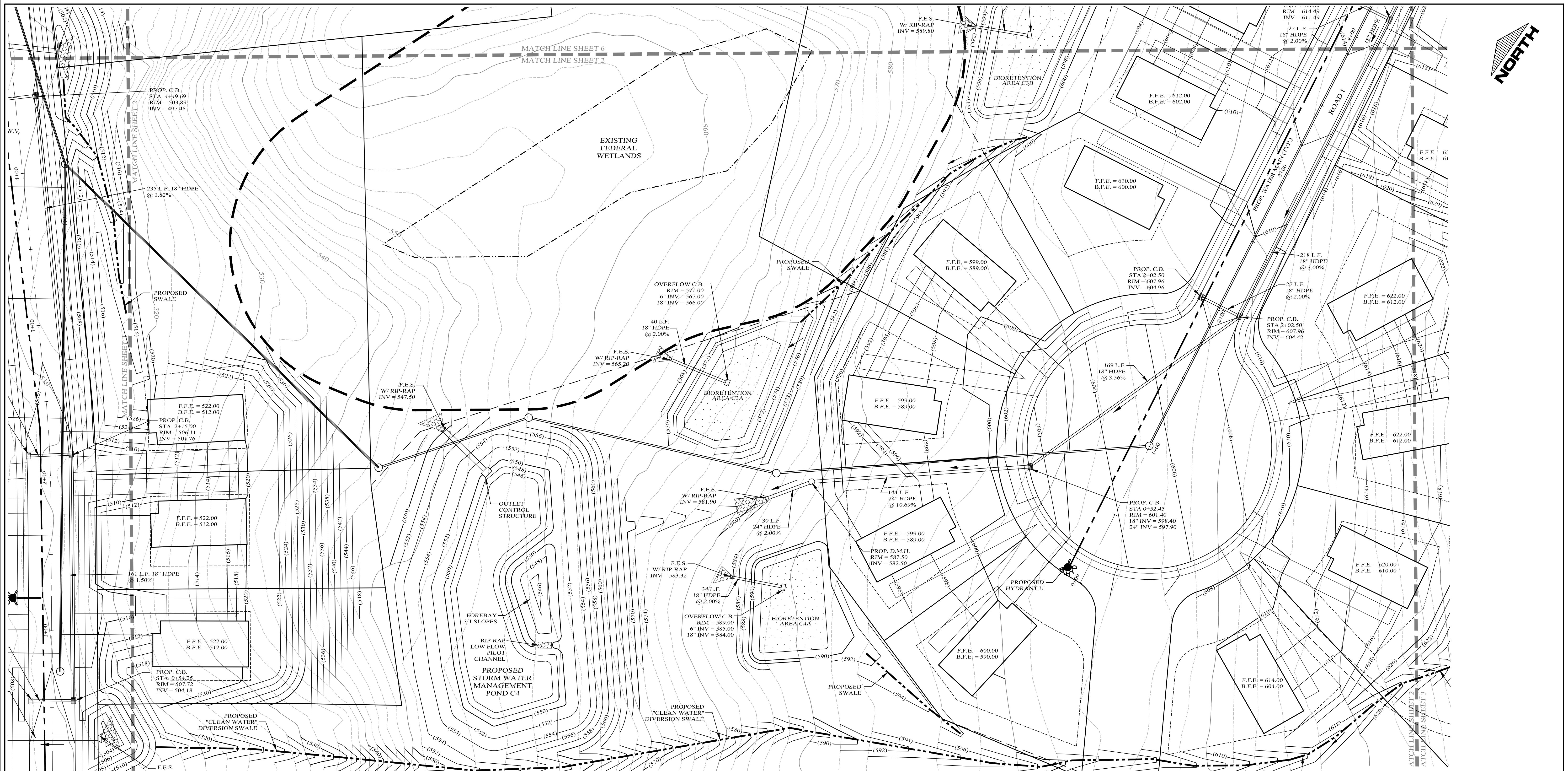
PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

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N.A.	N.A.	N.A.		G 1
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

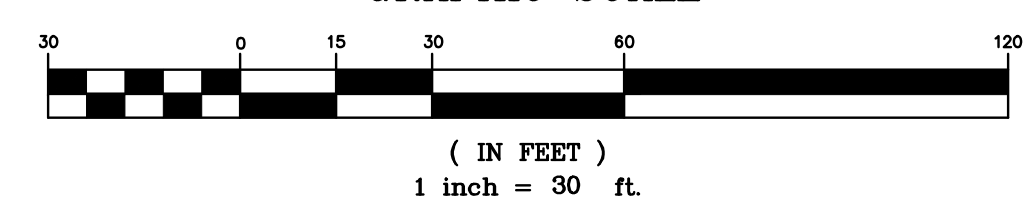
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
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ORANGE COUNTY, NEW YORK

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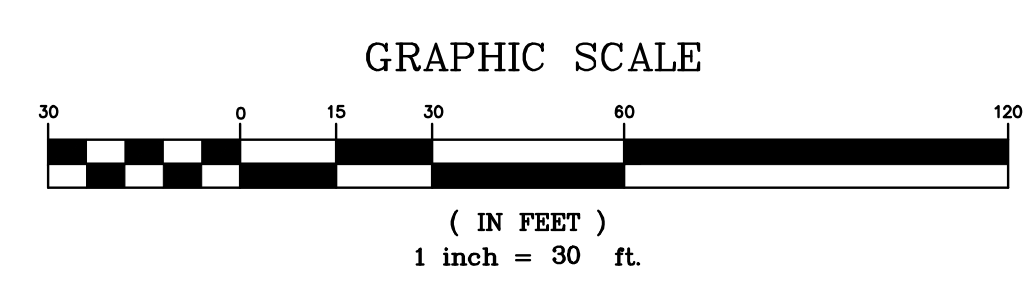
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N.A.	N.A.	N.A.	G 2
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	=====	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		



Lands of
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ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

DRAWING TITLE

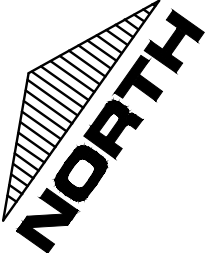
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DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 3
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053

USED
"N WATER"
DIVERSION SWALE

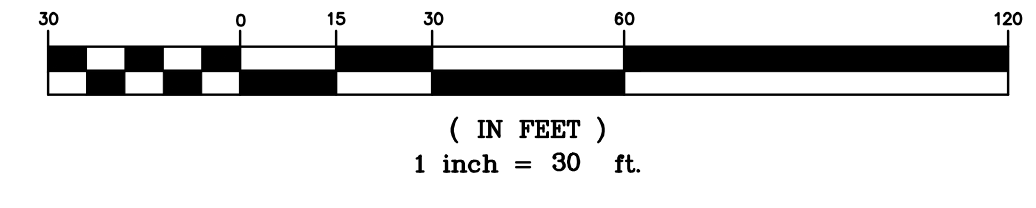


OPTIONAL EMERGENCY ACCESS GATE TO ARLINGTON DRIVE TO BE DETERMINED BY THE VILLAGE OF SOUTH BLOOMING GRAVE

LEGEND

EXISTING PROPERTY LINE	—	PROPOSED WATER MAIN	—
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	—
PROPOSED SETBACK LINE	----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	—
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	—
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	—
PROPOSED ROAD CENTERLINE	—	PROPOSED DRAINAGE CULVERT	—
PROPOSED EDGE OF PAVEMENT	—	PROPOSED DRAINAGE MAN HOLE	○
EXISTING DEC WETLANDS	—	PROPOSED DRAINAGE CATCH BASIN	○
EXISTING FEDERAL WETLANDS	—	PROPOSED DRAINAGE FIELD INLET	○
PROPOSED EDGE OF PAVEMENT	—	PROPOSED WATER SERVICE	—
PROPOSED ROAD CENTERLINE	—	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	—		
PROPOSED SWALE	—		

GRAPHIC SCALE



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ORANGE COUNTY, NEW YORK

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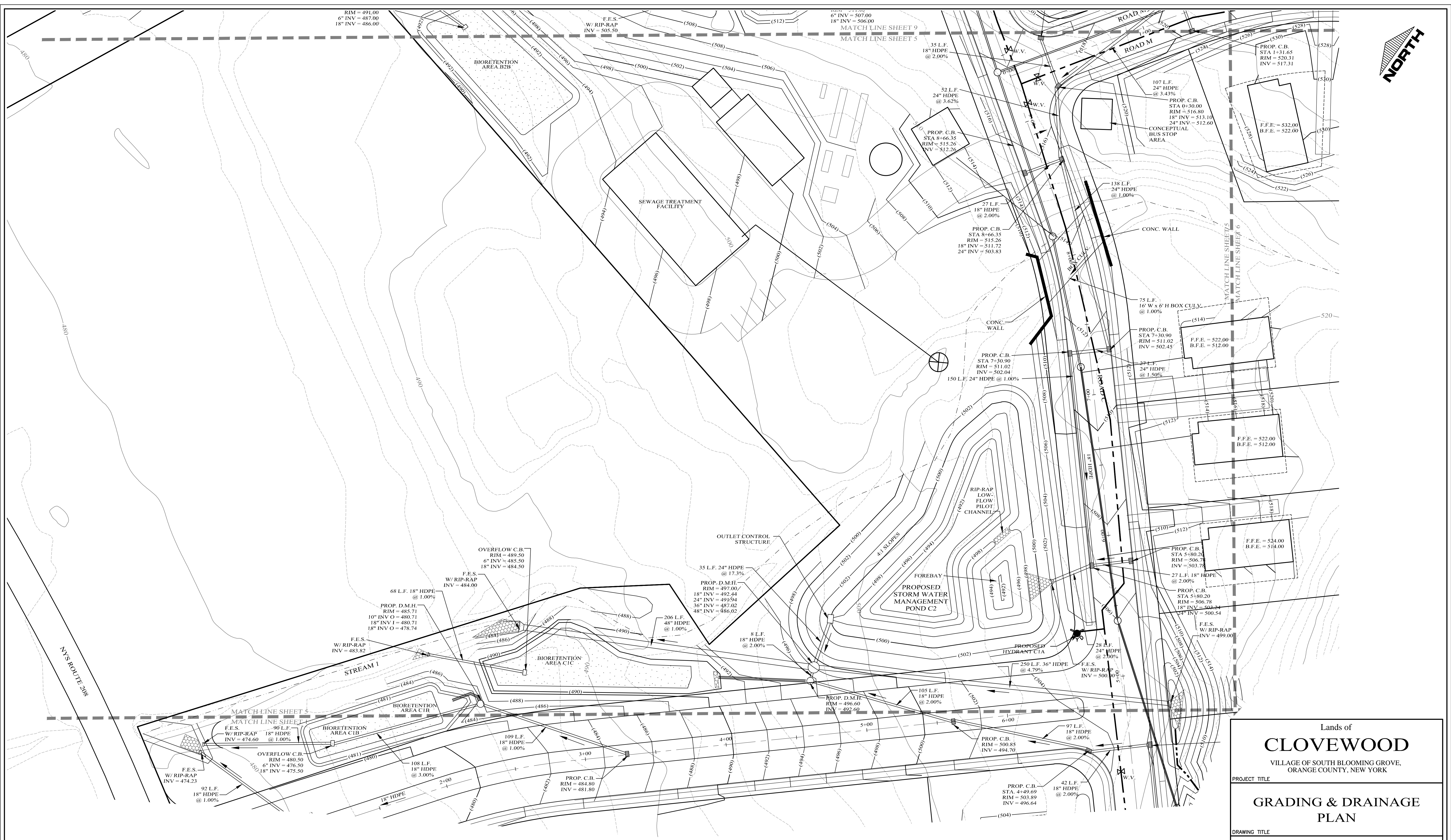
DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 4
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

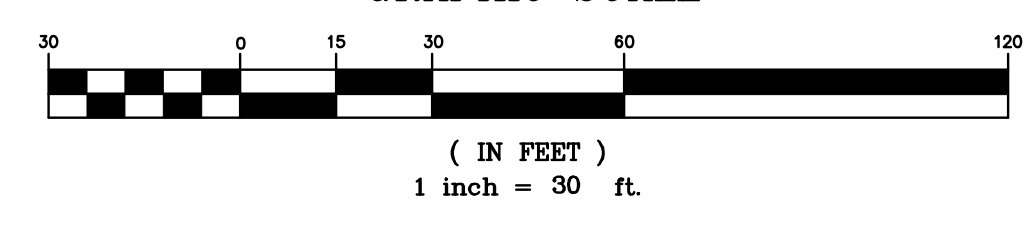
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

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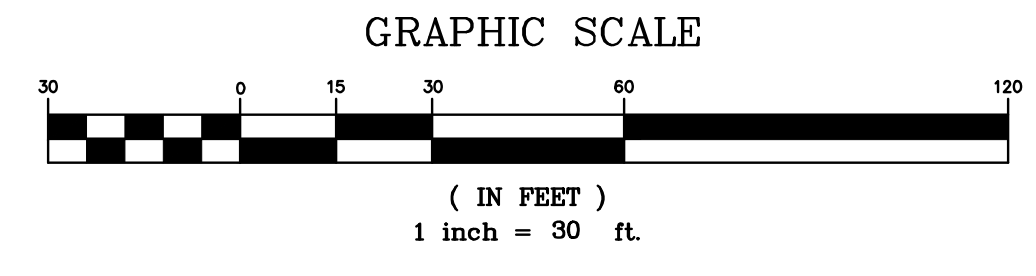
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PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
EXISTING 2' CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
PROPOSED CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
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EXISTING EDGE OF PAVEMENT	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
EXISTING DEC WETLANDS	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
EXISTING FEDERAL WETLANDS	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
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EXISTING EDGE OF PAVEMENT	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	
PROPOSED SWALE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	



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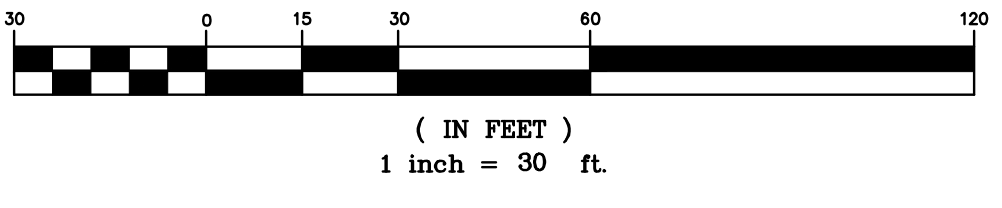
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LEGEND

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PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
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EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
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 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

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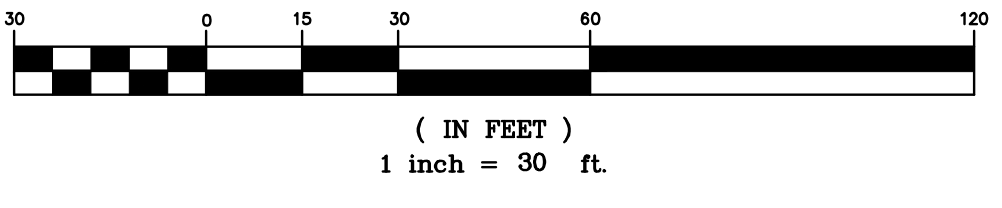
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PROPOSED EDGE OF PAVEMENT		
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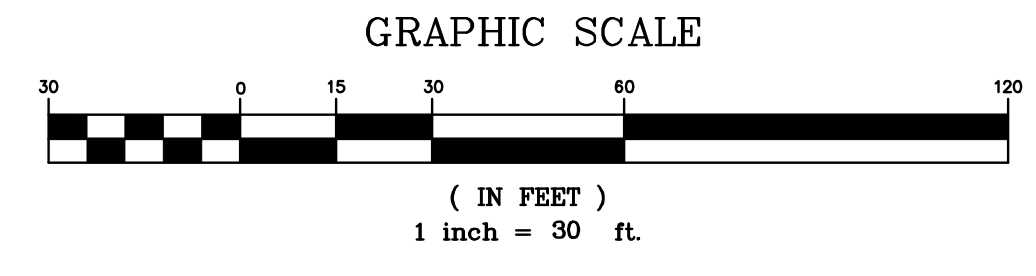
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PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED EDGE OF PAVEMENT
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	EXISTING EDGE OF PAVEMENT
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	EXISTING DEC WETLANDS
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	EXISTING FEDERAL WETLANDS
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	PROPOSED ROAD CENTERLINE
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	EXISTING EDGE OF PAVEMENT
PROPOSED EDGE OF PAVEMENT		PROPOSED SWALE
PROPOSED ROAD CENTERLINE		
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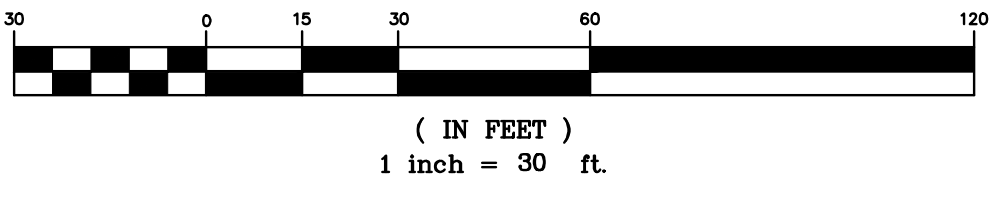
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EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED EDGE OF PAVEMENT
PROPOSED ROAD CENTERLINE	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE MAN HOLE	PROPOSED ROAD CENTERLINE
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	EXISTING DEC WETLANDS
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED EDGE OF PAVEMENT
PROPOSED ROAD CENTERLINE	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	EXISTING EDGE OF PAVEMENT
PROPOSED SWALE			PROPOSED SWALE

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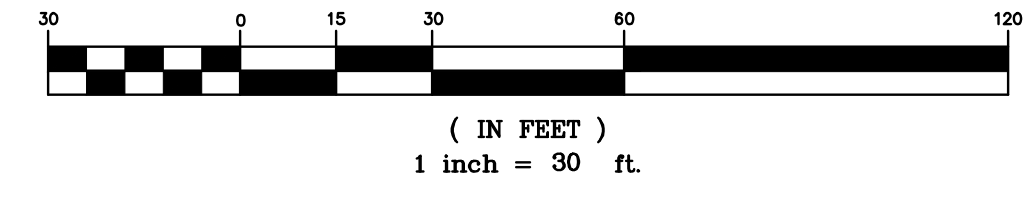
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EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
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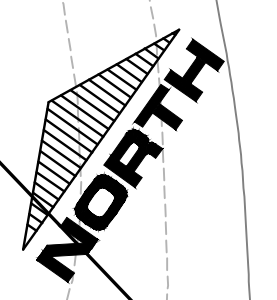
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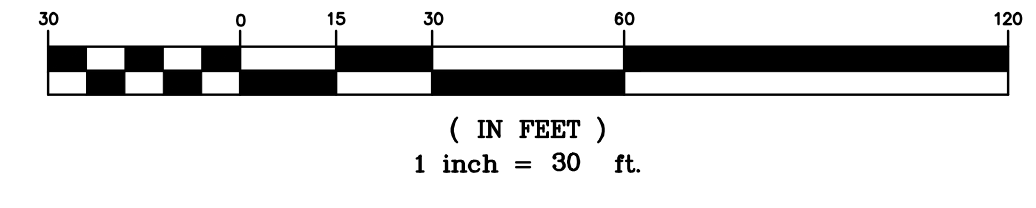
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PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
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PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOEWOOD
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 ORANGE COUNTY, NEW YORK

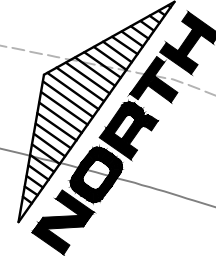
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MATCH LINE SHEET 17
MATCH LINE SHEET 13

PROPOSED STORM WATER MANAGEMENT POND B3

RIP-RAP LOW FLOW PILOT CHANNEL

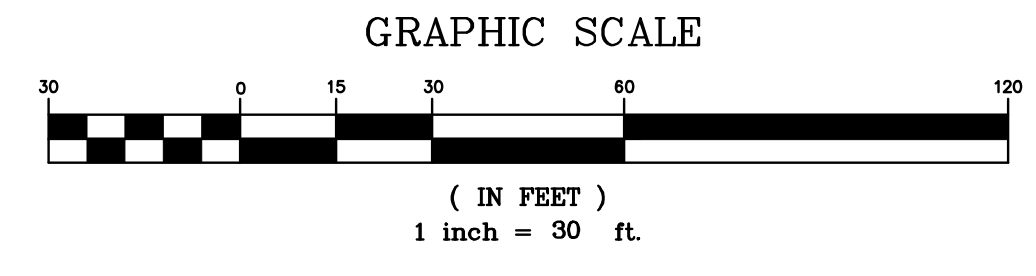
OUTLET CONTROL STRUCTURE

FOREBAY

EXISTING WETLANDS AREA

LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING 10' CONTOUR LINE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
EXISTING 2' CONTOUR LINE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED CONTOUR LINE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED EDGE OF PAVEMENT	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED ROAD CENTERLINE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
EXISTING EDGE OF PAVEMENT	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
EXISTING DEC WETLANDS	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
EXISTING FEDERAL WETLANDS	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED EDGE OF PAVEMENT	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED ROAD CENTERLINE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
EXISTING EDGE OF PAVEMENT	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE
PROPOSED SWALE	PROPOSED RIP-RAP	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE	PROPOSED 18" HDPE	PROPOSED 24" HDPE	PROPOSED 30" HDPE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

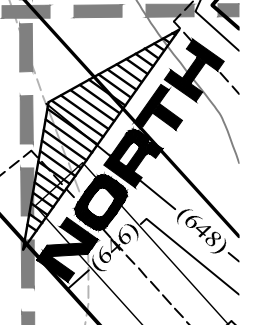
PROJECT TITLE
GRADING & DRAINAGE PLAN

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE

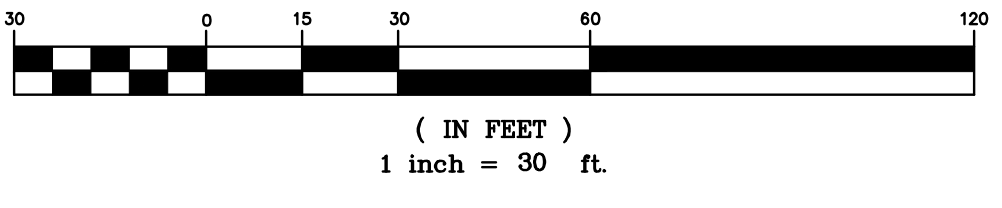
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 13
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE CATCH BASIN
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE VALVE	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

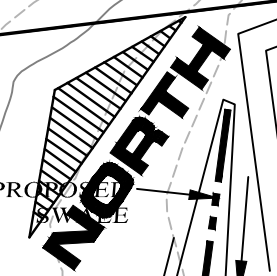
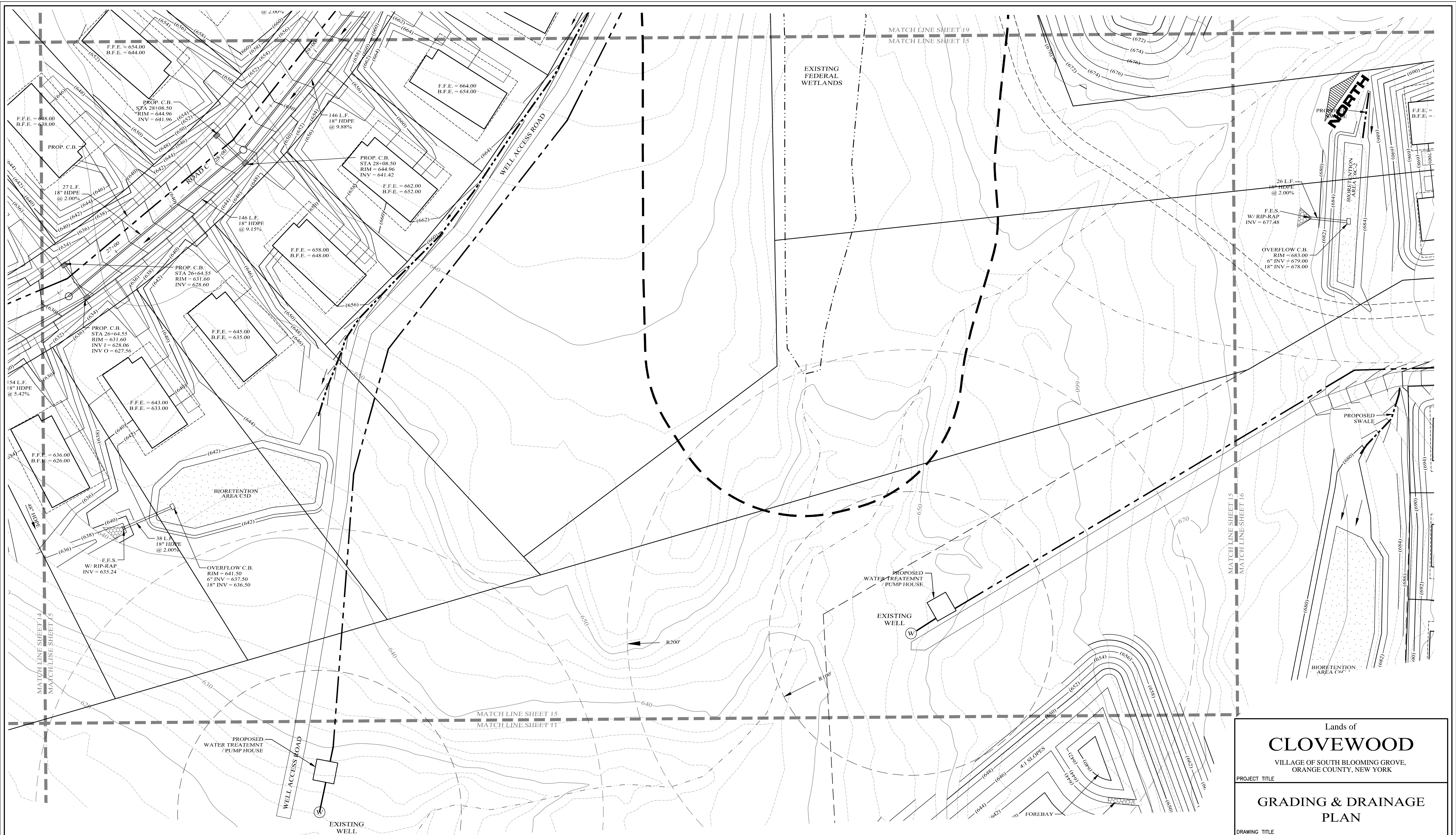
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N.A.	N.A.	N.A.	G 14
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

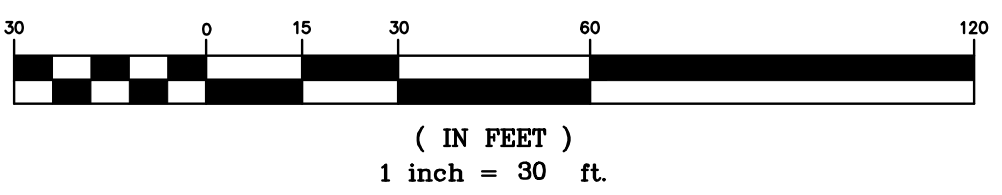
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LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED DRAINAGE SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WATER SERVICE	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
 PLAN**

DRAWING TITLE
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 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

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		N.A.	N.A.	N.A.	G 15
		CAD #	PROJECT #	SCALE	
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Lands of
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 ORANGE COUNTY, NEW YORK

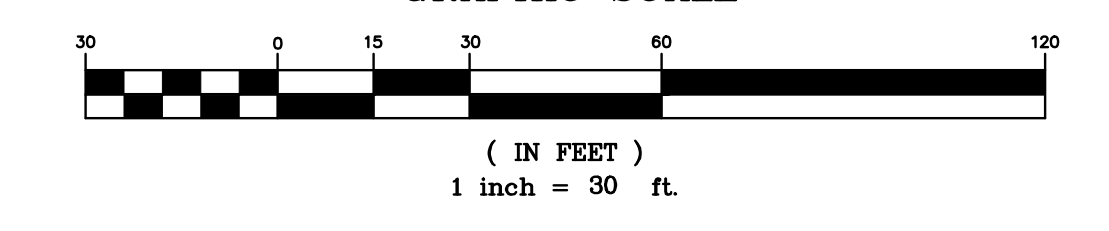
PROJECT TITLE
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 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE FIELD INLET	PROPOSED DRAINAGE FIELD INLET
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WATER SERVICE
PROPOSED ROAD CENTERLINE	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX	PROPOSED WTR SERV. VALVE BOX
EXISTING EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX		
EXISTING DEC WETLANDS			
EXISTING FEDERAL WETLANDS			
PROPOSED EDGE OF PAVEMENT			
PROPOSED ROAD CENTERLINE			
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

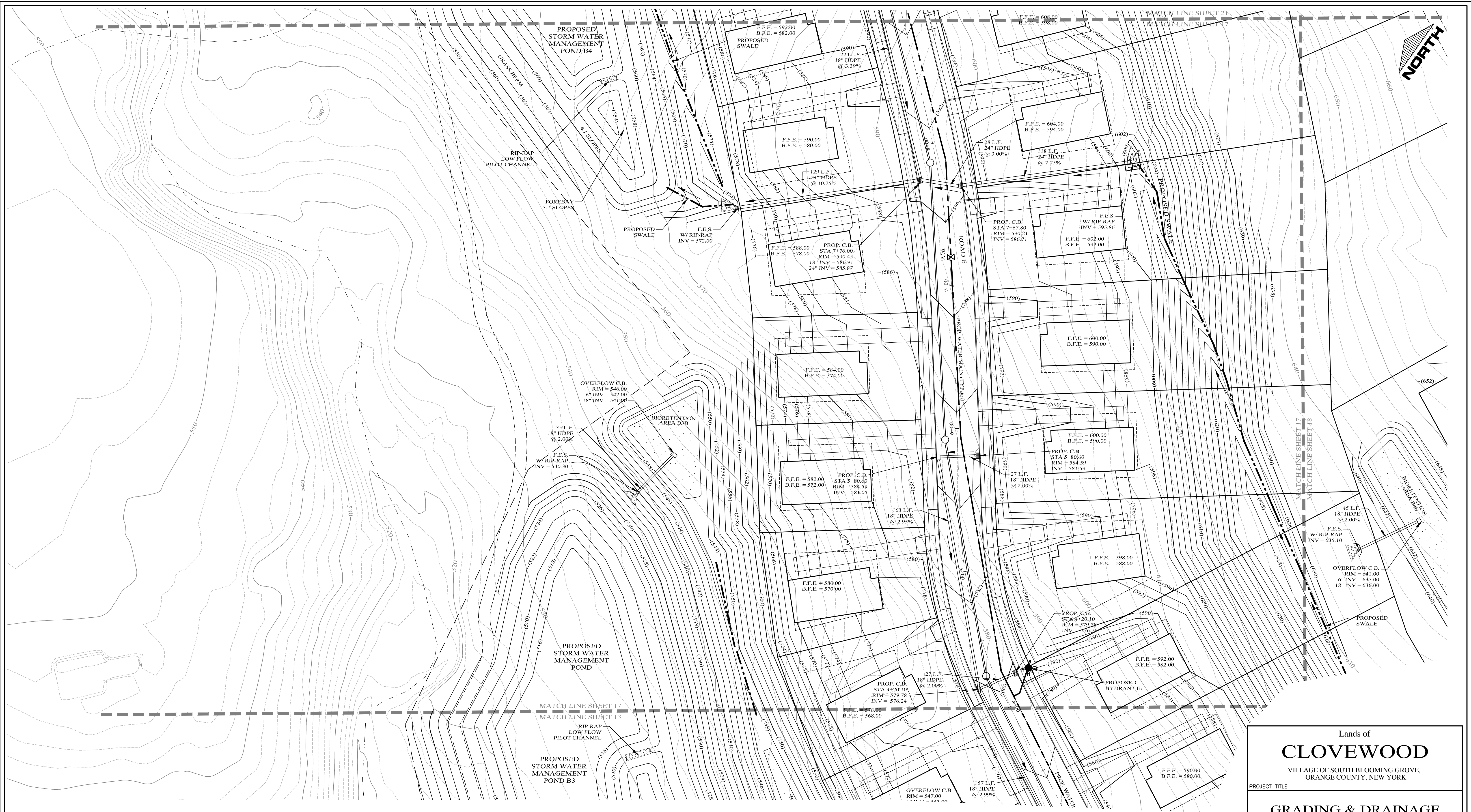
GRAPHIC SCALE



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03-26-18	INITIAL PREPARATION

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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 16
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

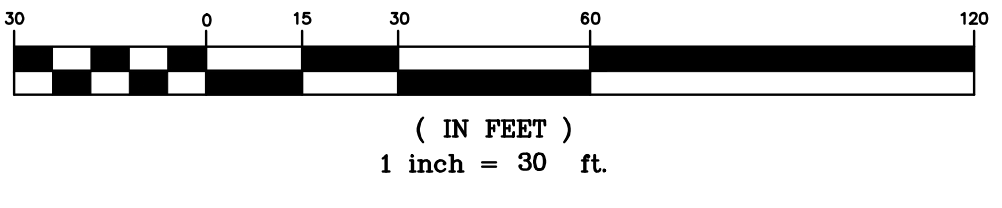
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL
PROPOSED SETBACK LINE	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN
EXISTING 10' CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
EXISTING DEC WETLANDS		
EXISTING FEDERAL WETLANDS		
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

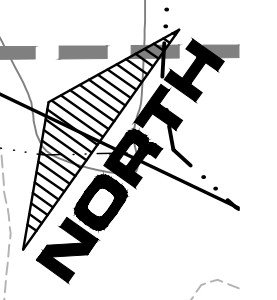
DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 679653	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 17
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

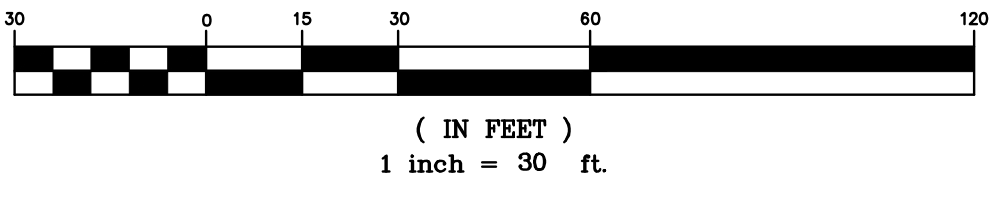
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAIN	-----
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE CULVERT	-----
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING FEDERAL WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	□
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WATER SERVICE	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

**GRADING & DRAINAGE
 PLAN**

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

10-27-21	REV. PER DEIS COMMENTS		
01-29-19	PRELIMINARY DESIGN		
03-26-18	INITIAL PREPARATION		
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 18
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

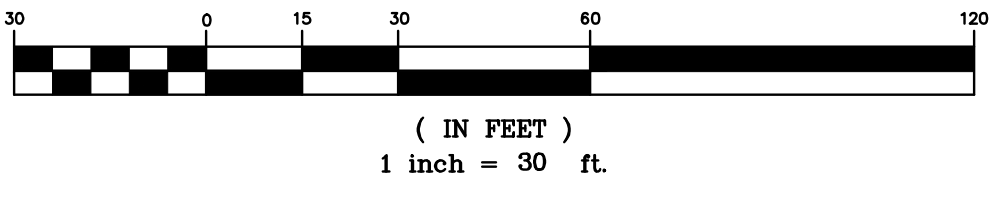
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SETBACK LINE
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	EXISTING 10' CONTOUR LINE
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED CONTOUR LINE
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED ROAD CENTERLINE
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	EXISTING EDGE OF PAVEMENT
EXISTING DEC WETLANDS	PROPOSED DRAINAGE SERVICE	PROPOSED WTR SERV. VALVE BOX	EXISTING FEDERAL WETLANDS
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX		PROPOSED EDGE OF PAVEMENT
PROPOSED ROAD CENTERLINE			EXISTING EDGE OF PAVEMENT
EXISTING EDGE OF PAVEMENT			PROPOSED SWALE
PROPOSED SWALE			

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

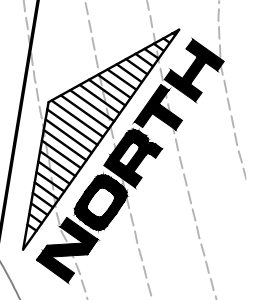
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 19
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

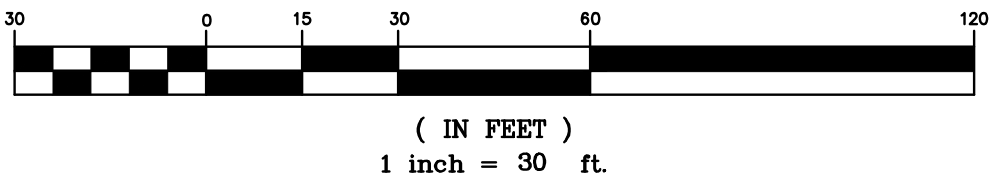
DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN
EXISTING 10' CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE FIELD INLET	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED WTR SERV. VALVE BOX		
PROPOSED EDGE OF PAVEMENT			
PROPOSED ROAD CENTERLINE			
EXISTING DEC WETLANDS			
EXISTING FEDERAL WETLANDS			
PROPOSED EDGE OF PAVEMENT			
PROPOSED ROAD CENTERLINE			
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

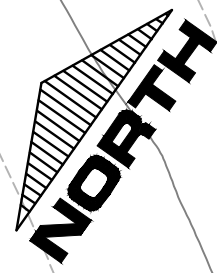
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CAD #	PROJECT #	SCALE	
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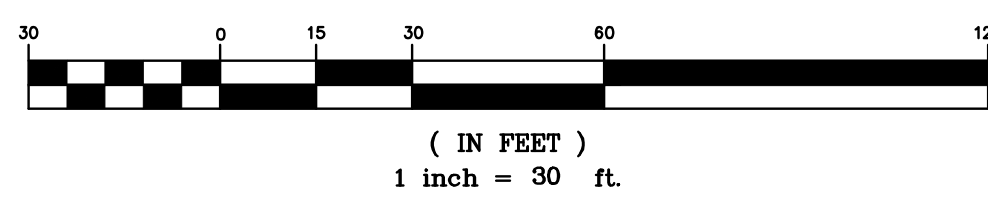


EXISTING LAKE

LEGEND

EXISTING PROPERTY LINE		PROPOSED WATER MAIN	
PROPOSED PROPERTY LINE		PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE		PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE		PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE		PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE		PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT		PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE		PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT		PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS		PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS		PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

GRAPHIC SCALE



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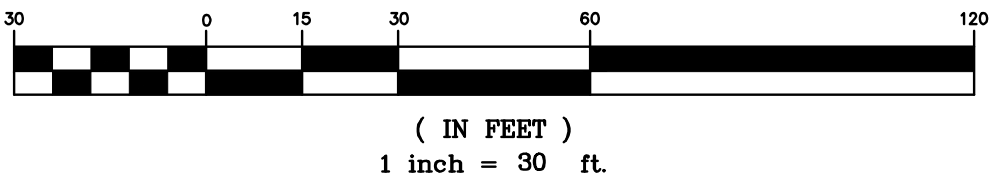
MATCH LINE SHEET 27
MATCH LINE SHEET 22



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	F.D. ----- F.D.
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED DRAINAGE SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

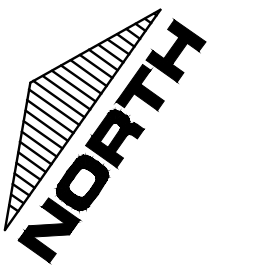
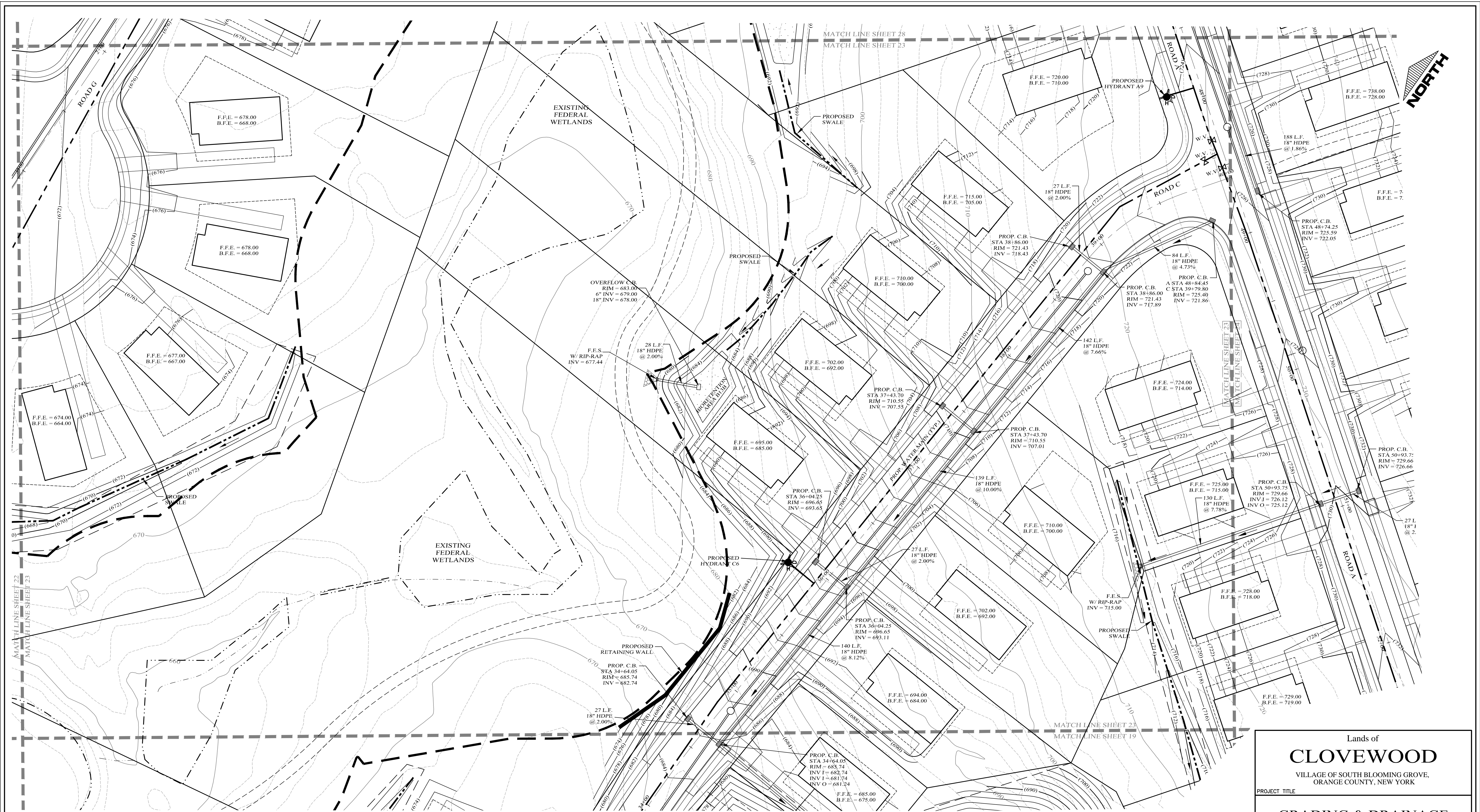
DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 22

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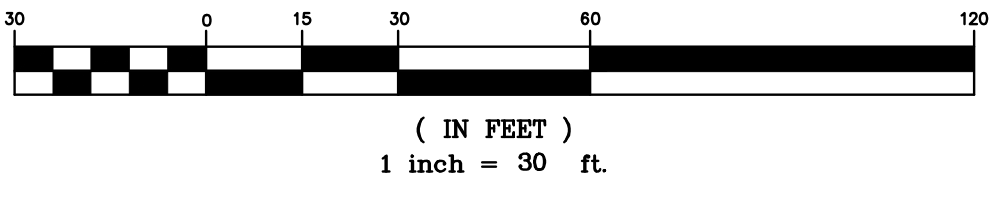
CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE CATCH BASIN
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

**GRADING & DRAINAGE
 PLAN**

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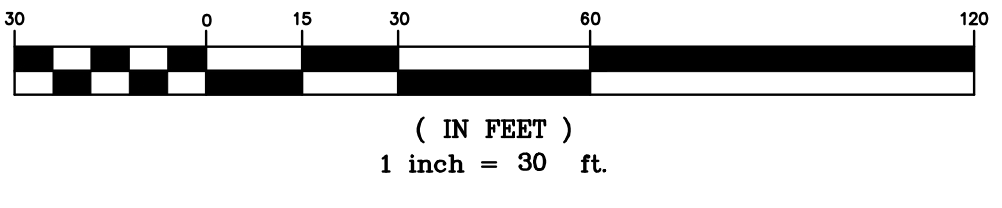
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N.A.	N.A.	N.A.		G 23
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL
PROPOSED SETBACK LINE	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT
EXISTING 10' CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE		
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN		
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET		
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE		
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX		
PROPOSED ROAD CENTERLINE			
EXISTING EDGE OF PAVEMENT			
PROPOSED SWALE			

GRAPHIC SCALE



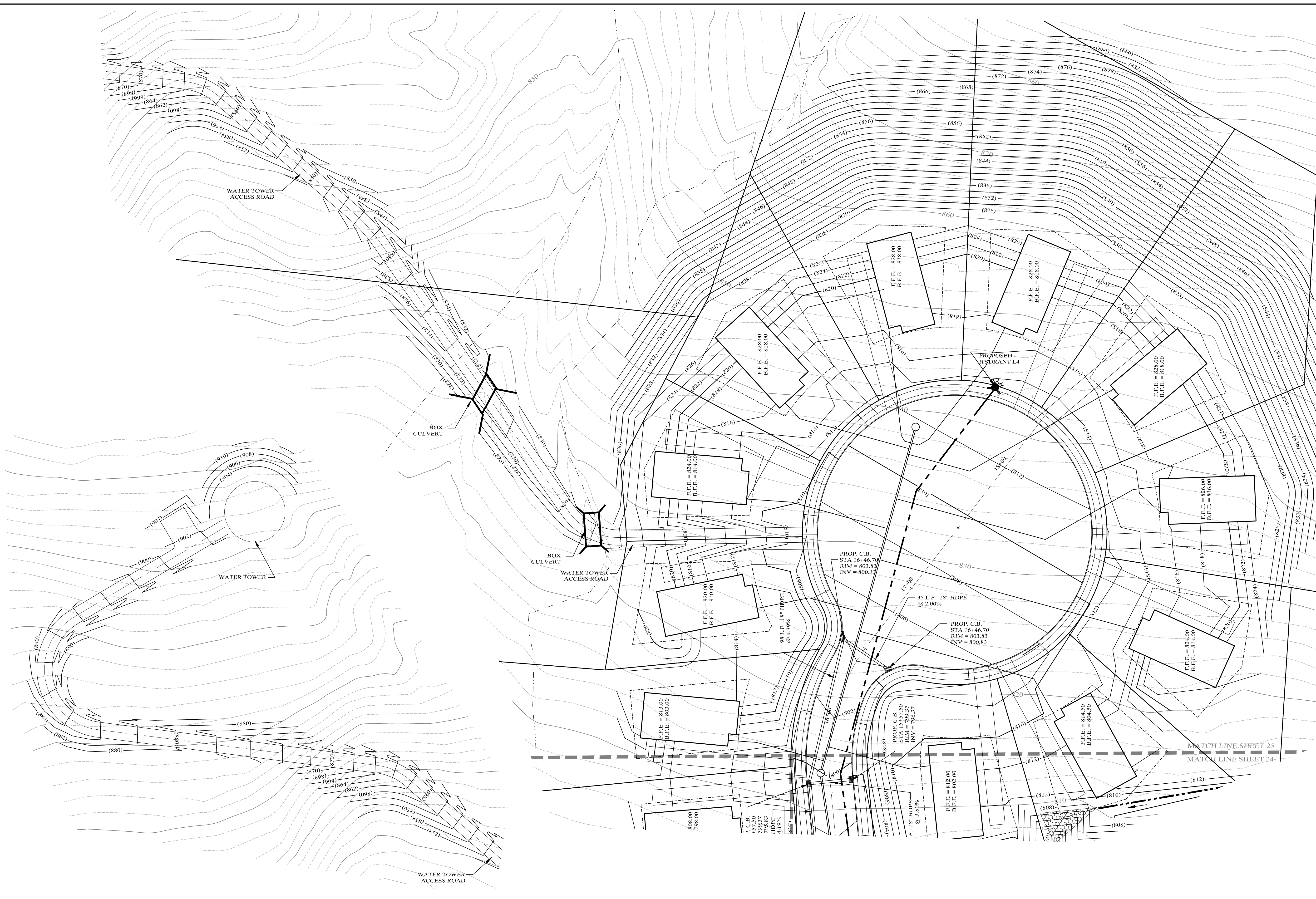
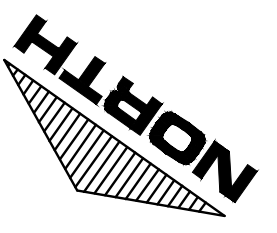
Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

**GRADING & DRAINAGE
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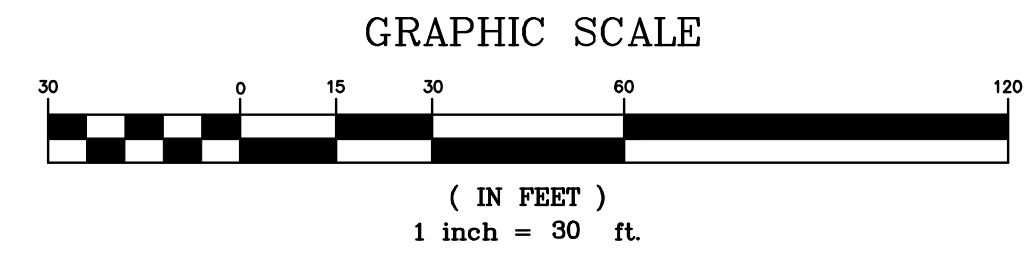
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 24
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
EXISTING 10' CONTOUR LINE	PROPOSED SEWER LATERAL	PROPOSED DRAINAGE CULVERT	EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
EXISTING DEC WETLANDS	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX
PROPOSED SWALE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED SWALE	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX	PROPOSED DRAINAGE VALVE BOX



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

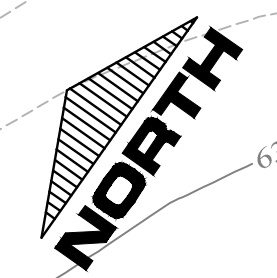
PROJECT TITLE
GRADING & DRAINAGE PLAN

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 25
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

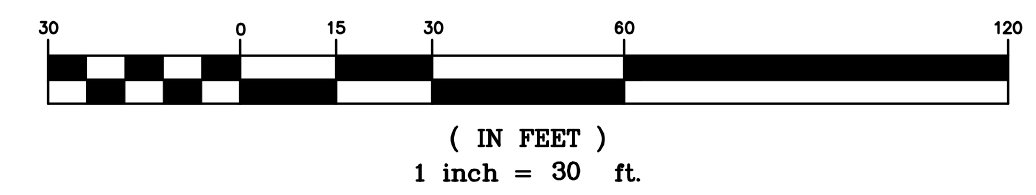
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	
EXISTING 2' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
PROPOSED CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED ROOF DRAIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CULVERT	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE CATCH BASIN	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

DRAWING TITLE

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01-29-19	PRELIMINARY DESIGN
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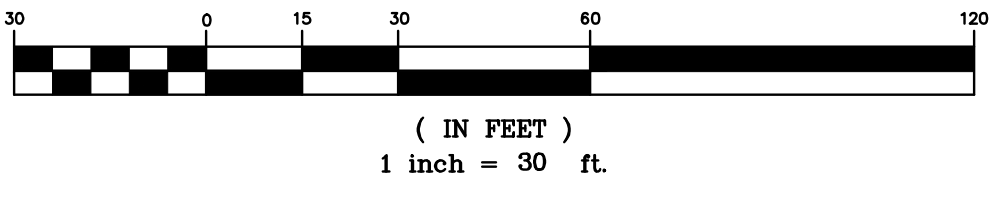
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PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

**GRADING & DRAINAGE
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N.A.	N.A.	N.A.	G 27
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

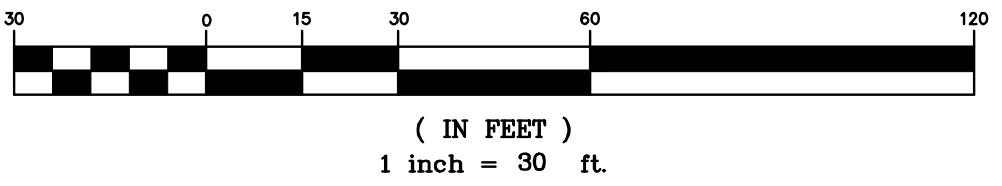
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED SEWER BLDG. LATERAL
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED FOOTING DRAIN
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED ROOF DRAIN
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE CATCH BASIN
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE FIELD INLET
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	PROPOSED WATER SERVICE
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	PROPOSED WTR SERV. VALVE BOX
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

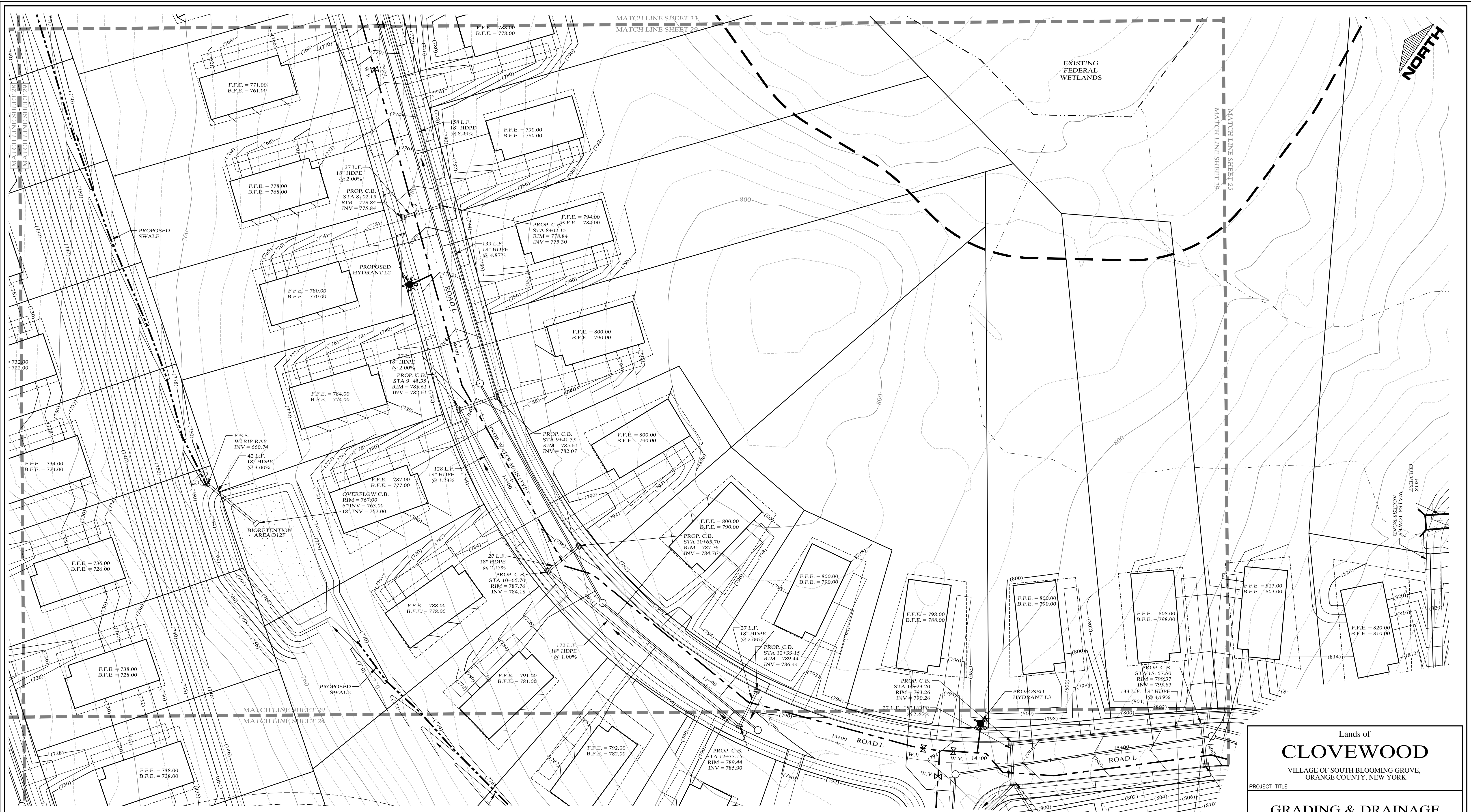
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N.A.	N.A.	N.A.	G 28
CAD #	PROJECT #	SCALE	
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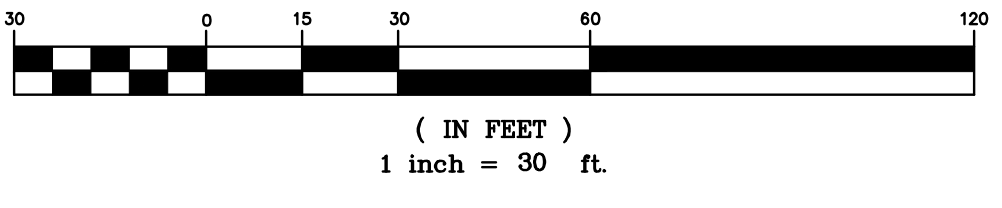
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LEGEND

EXISTING PROPERTY LINE	---	PROPOSED WATER MAIN	—+—+—+—
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	—+—+—+—
PROPOSED SETBACK LINE	---	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	---(10)---	PROPOSED SEWER BLDG. LATERAL	—+—+—+—
EXISTING 2' CONTOUR LINE	---(2)---	PROPOSED FOOTING DRAIN	—+—+—+—
PROPOSED CONTOUR LINE	---(600)---	PROPOSED ROOF DRAIN	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CULVERT	—+—+—+—
PROPOSED ROAD CENTERLINE	---	PROPOSED DRAINAGE MAN HOLE	○
EXISTING DEC WETLANDS	---	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING FEDERAL WETLANDS	---	PROPOSED DRAINAGE FIELD INLET	□
PROPOSED EDGE OF PAVEMENT	---	PROPOSED WATER SERVICE	—+—+—+—
PROPOSED ROAD CENTERLINE	---	PROPOSED WTR SERV. VALVE BOX	□
EXISTING EDGE OF PAVEMENT	---		
PROPOSED SWALE	---		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

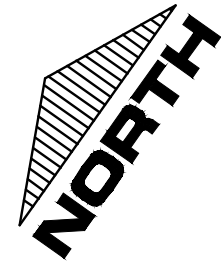
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CAD #	PROJECT #	SCALE	
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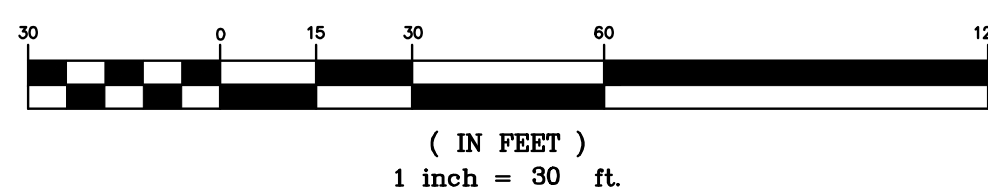
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EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED FOOTING DRAIN	EXISTING 10' CONTOUR LINE
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	EXISTING 2' CONTOUR LINE
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	PROPOSED DRAINAGE FIELD INLET	PROPOSED EDGE OF PAVEMENT
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED ROAD CENTERLINE
EXISTING DEC WETLANDS	PROPOSED WTR SERV. VALVE BOX		EXISTING DEC WETLANDS
EXISTING FEDERAL WETLANDS			EXISTING FEDERAL WETLANDS
PROPOSED EDGE OF PAVEMENT			PROPOSED EDGE OF PAVEMENT
EXISTING EDGE OF PAVEMENT			EXISTING EDGE OF PAVEMENT
PROPOSED SWALE			PROPOSED SWALE

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 30
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

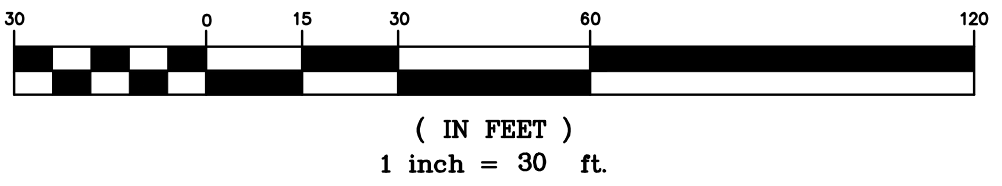
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE FIELD INLET
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED WATER SERVICE
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



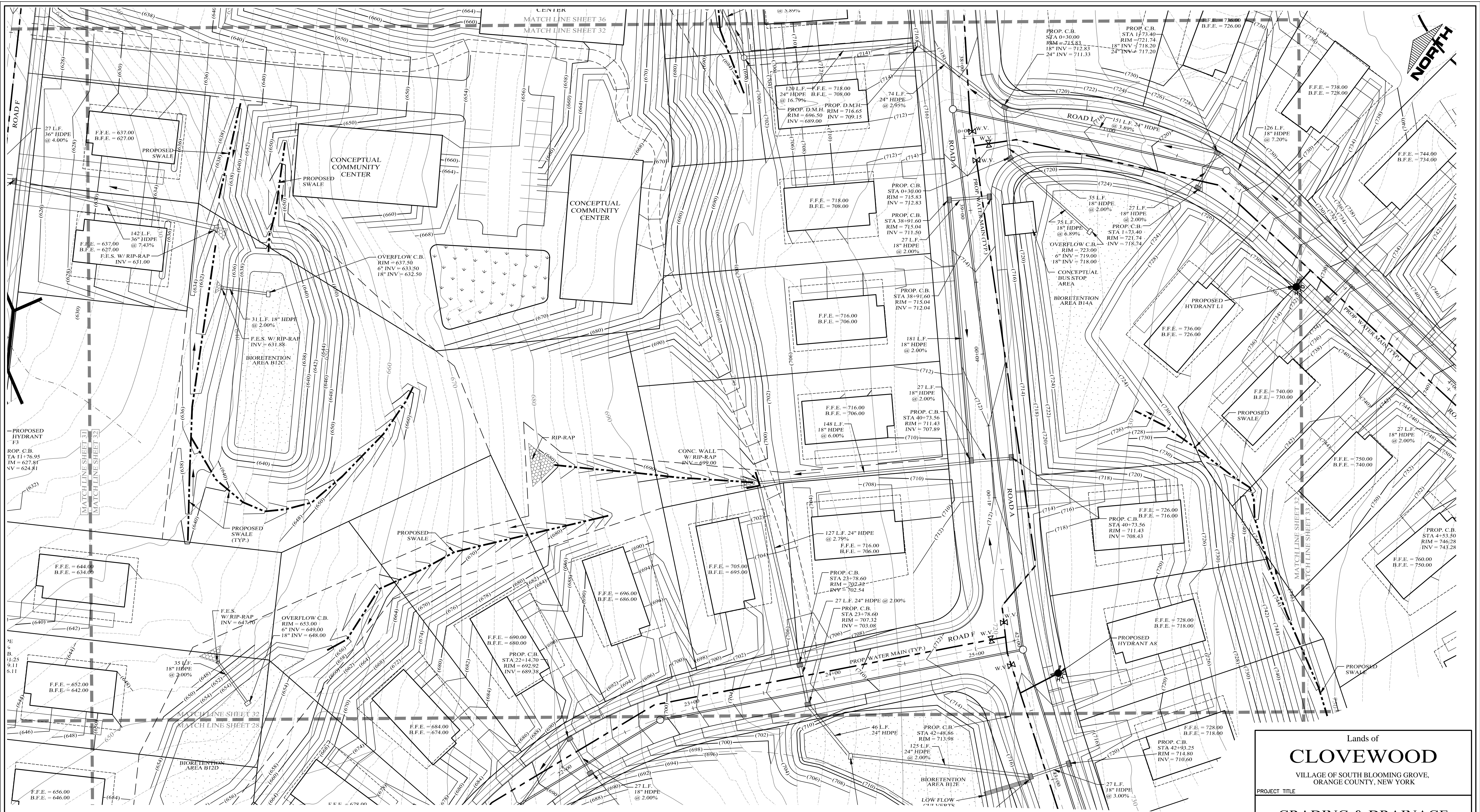
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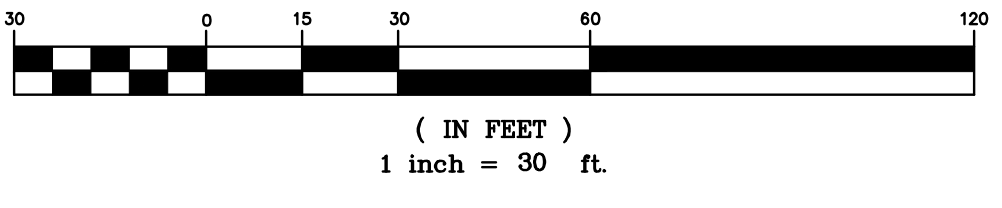
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 31
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	
EXISTING 10' CONTOUR LINE	PROPOSED BLDG. LATERAL	
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CULVERT	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS		
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

DRAWING TITLE

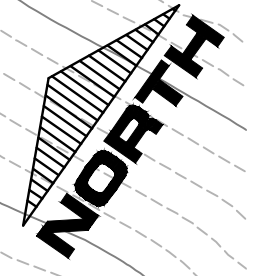
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(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079653	DATE
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01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 32

DATE	REVISIONS

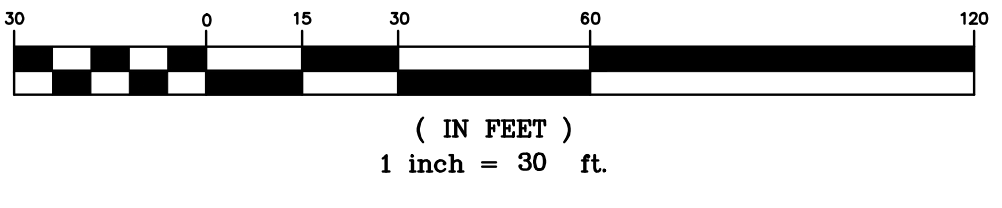
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LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED WATER MAIN	-----
PROPOSED PROPERTY LINE	-----	PROPOSED SEWER MAIN	-----
PROPOSED SETBACK LINE	-----	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	-----	PROPOSED SEWER BLDG. LATERAL	-----
EXISTING 2' CONTOUR LINE	-----	PROPOSED FOOTING DRAIN	-----
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CULVERT	-----
PROPOSED ROAD CENTERLINE	-----	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	-----	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	-----	PROPOSED DRAINAGE FIELD INLET	-----
EXISTING FEDERAL WETLANDS	-----	PROPOSED WATER SERVICE	-----
PROPOSED EDGE OF PAVEMENT	-----	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	-----		
EXISTING EDGE OF PAVEMENT	-----		
PROPOSED SWALE	-----		

GRAPHIC SCALE



Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
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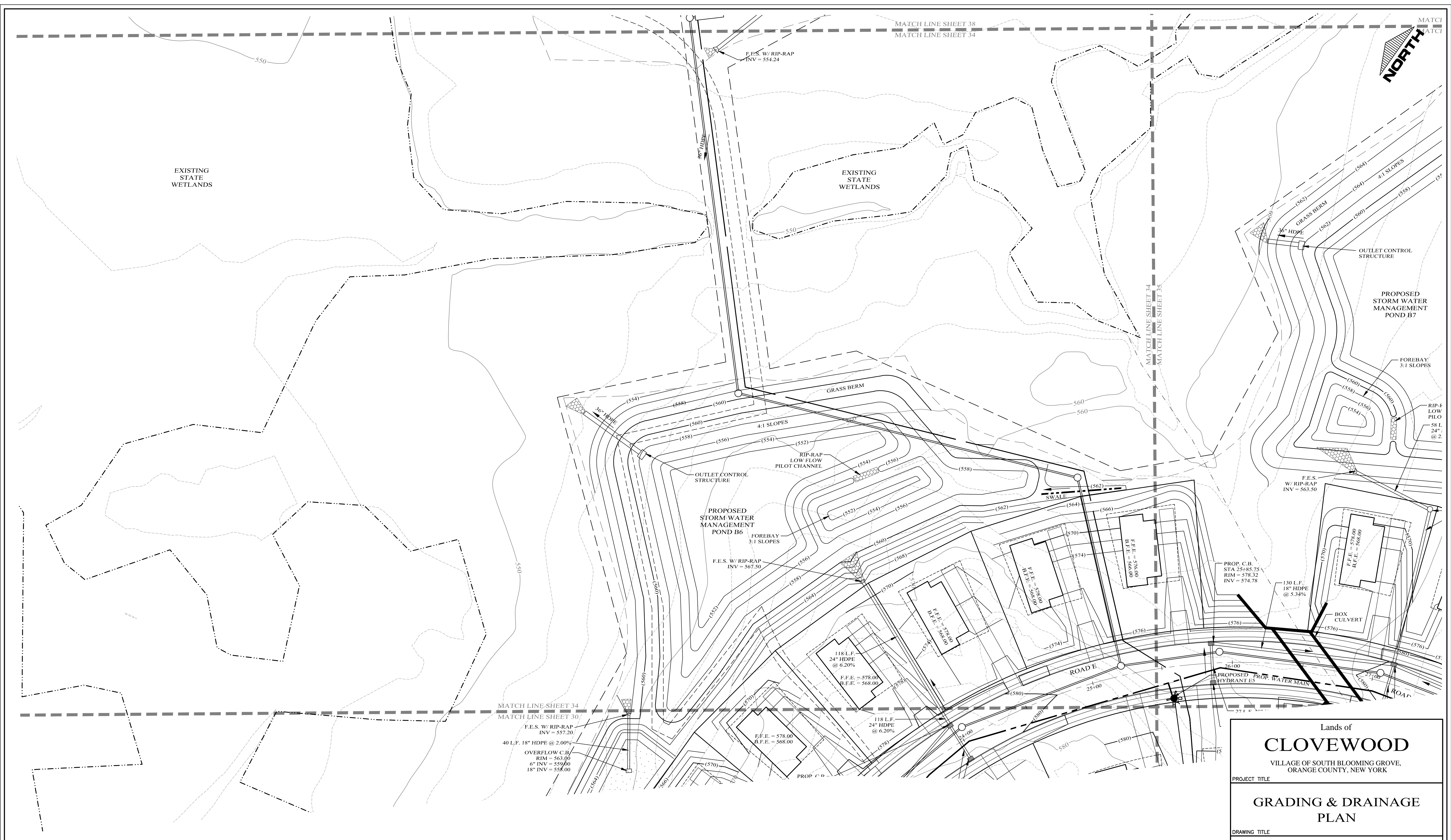
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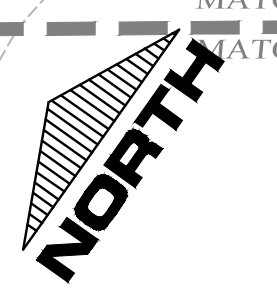
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 33
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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EXISTING STATE WETLANDS

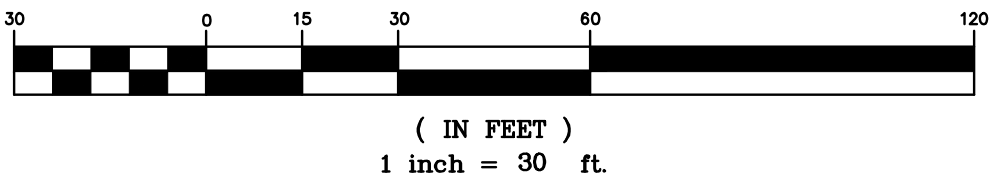
EXISTING STATE WETLANDS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	PROPOSED SEWER MAN HOLE	PROPOSED SEWER BLDG. LATERAL
EXISTING 10' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE CULVERT
EXISTING 2' CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE MAN HOLE	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	PROPOSED WATER SERVICE	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	EXISTING DEC WETLANDS	EXISTING FEDERAL WETLANDS	PROPOSED EDGE OF PAVEMENT
EXISTING EDGE OF PAVEMENT	EXISTING DEC WETLANDS	EXISTING FEDERAL WETLANDS	PROPOSED ROAD CENTERLINE
EXISTING DEC WETLANDS	EXISTING FEDERAL WETLANDS	PROPOSED EDGE OF PAVEMENT	EXISTING EDGE OF PAVEMENT
EXISTING FEDERAL WETLANDS	PROPOSED EDGE OF PAVEMENT	EXISTING EDGE OF PAVEMENT	PROPOSED SWALE
PROPOSED EDGE OF PAVEMENT	EXISTING EDGE OF PAVEMENT	PROPOSED SWALE	
EXISTING EDGE OF PAVEMENT	PROPOSED SWALE		
PROPOSED SWALE			

GRAPHIC SCALE



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 ORANGE COUNTY, NEW YORK

PROJECT TITLE
GRADING & DRAINAGE PLAN

DRAWING TITLE
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01-29-19	PRELIMINARY DESIGN
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 34
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

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Lands of
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 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
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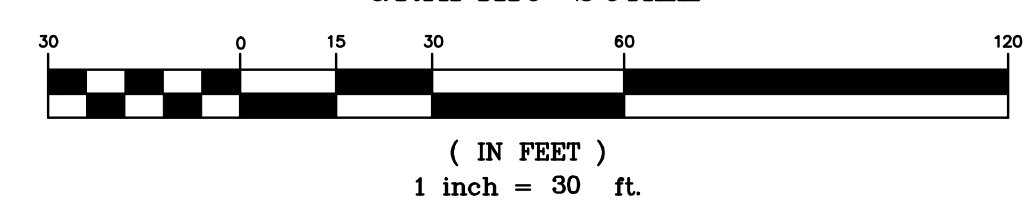
DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE FIELD INLET
PROPOSED SETBACK LINE	PROPOSED SEWER MAN HOLE	PROPOSED WATER SERVICE
EXISTING 10' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED WTR SERV. VALVE BOX
EXISTING 2' CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE MAN HOLE	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CATCH BASIN	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 35
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		

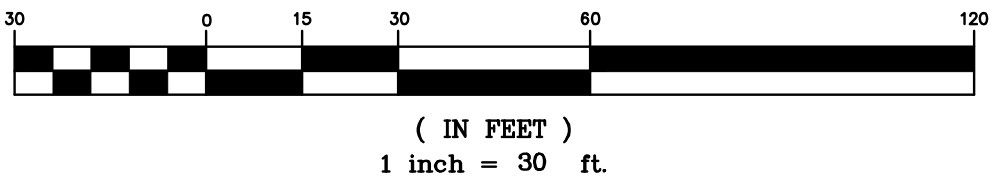
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE FIELD INLET
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WATER SERVICE
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE FIELD INLET	
EXISTING FEDERAL WETLANDS	PROPOSED WATER SERVICE	
PROPOSED EDGE OF PAVEMENT	PROPOSED WTR SERV. VALVE BOX	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



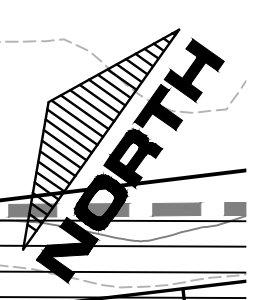
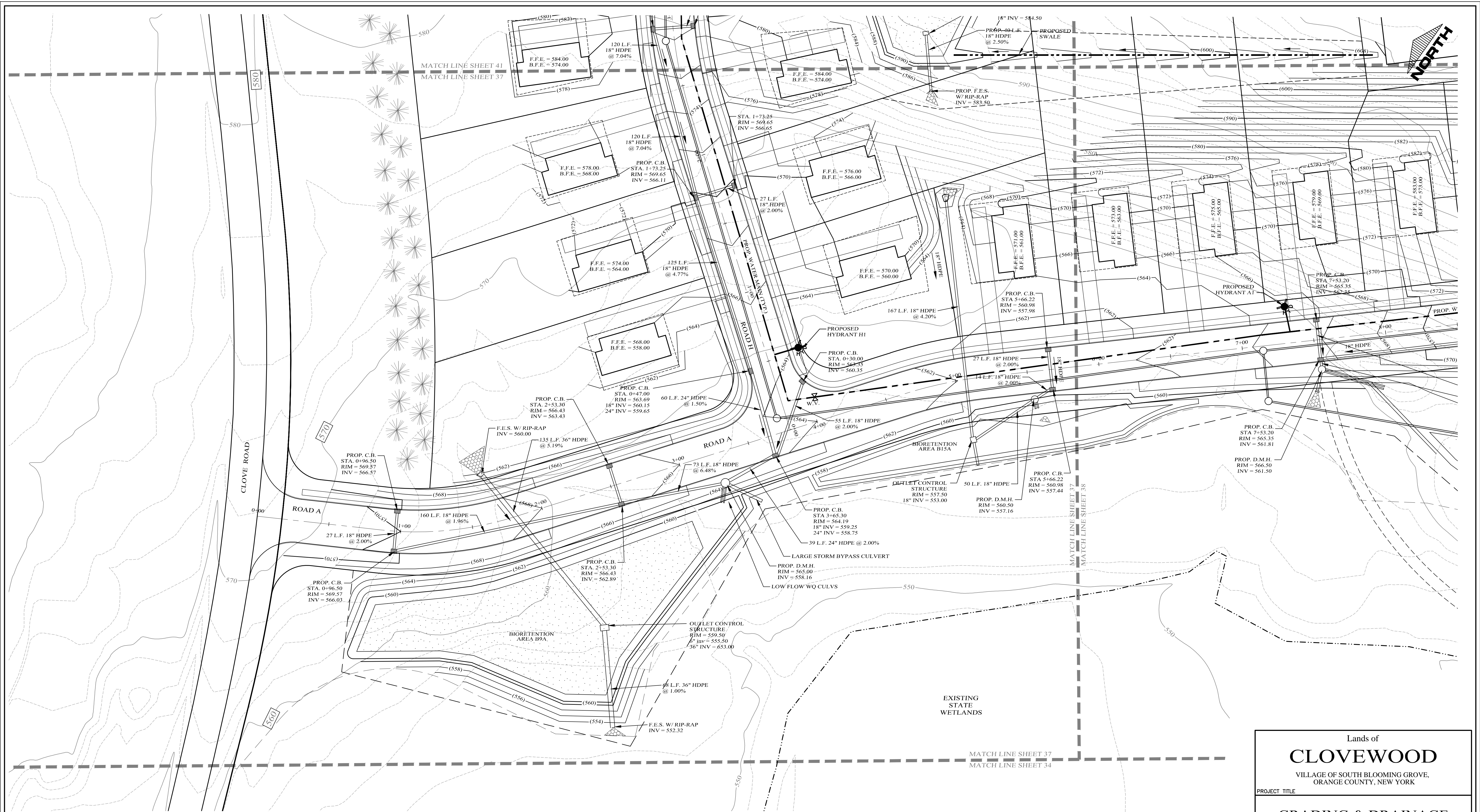
Lands of
CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

**GRADING & DRAINAGE
PLAN**

Kirk Rother, P.E.
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5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 36
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

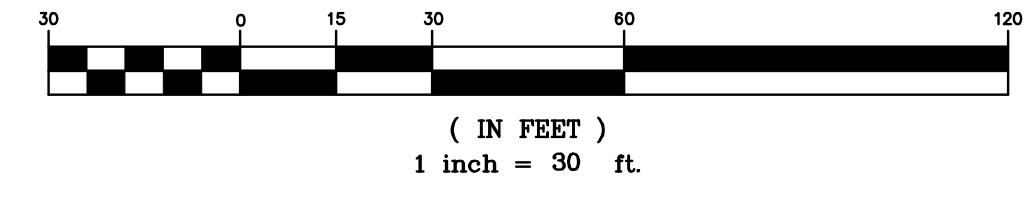
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE CATCH BASIN
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED DRAINAGE FIELD INLET
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WATER SERVICE
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	PROPOSED WTR SERV. VALVE BOX
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

DRAWING TITLE

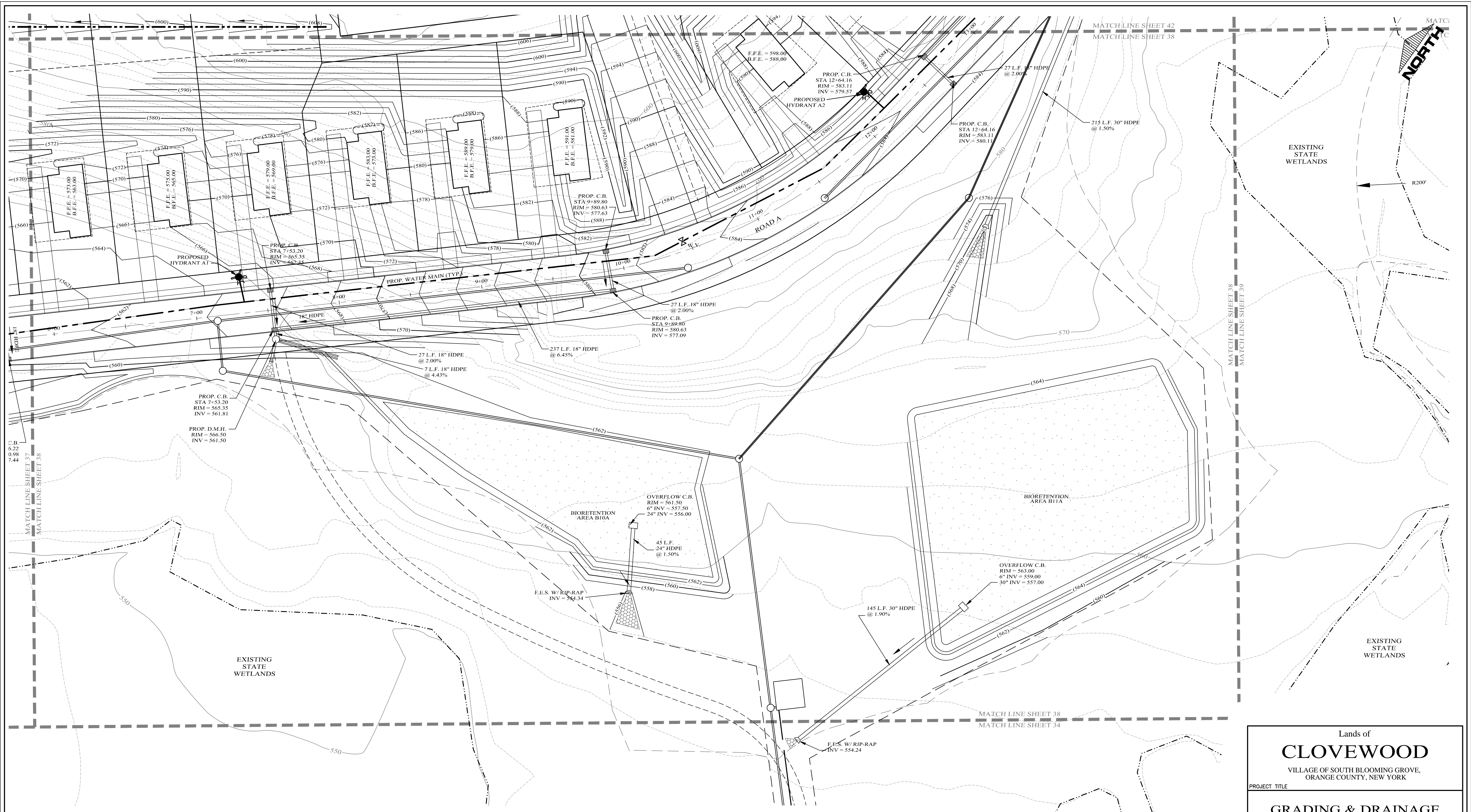
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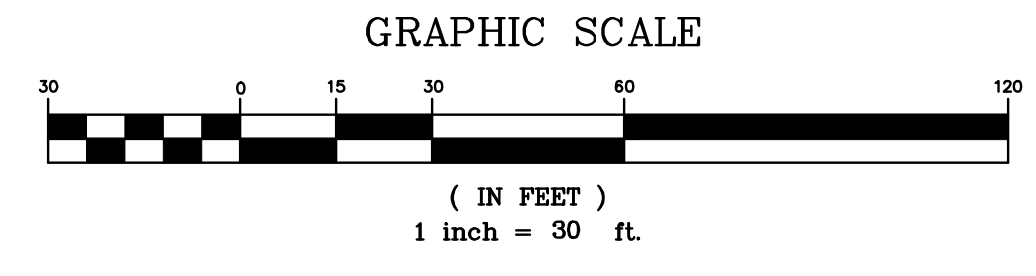
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CULVERT
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	PROPOSED DRAINAGE CATCH BASIN
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED DRAINAGE FIELD INLET
PROPOSED CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WATER SERVICE
PROPOSED EDGE OF PAVEMENT	PROPOSED ROOF DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE LATERAL	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE CULVERT	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE MAN HOLE	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE CATCH BASIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
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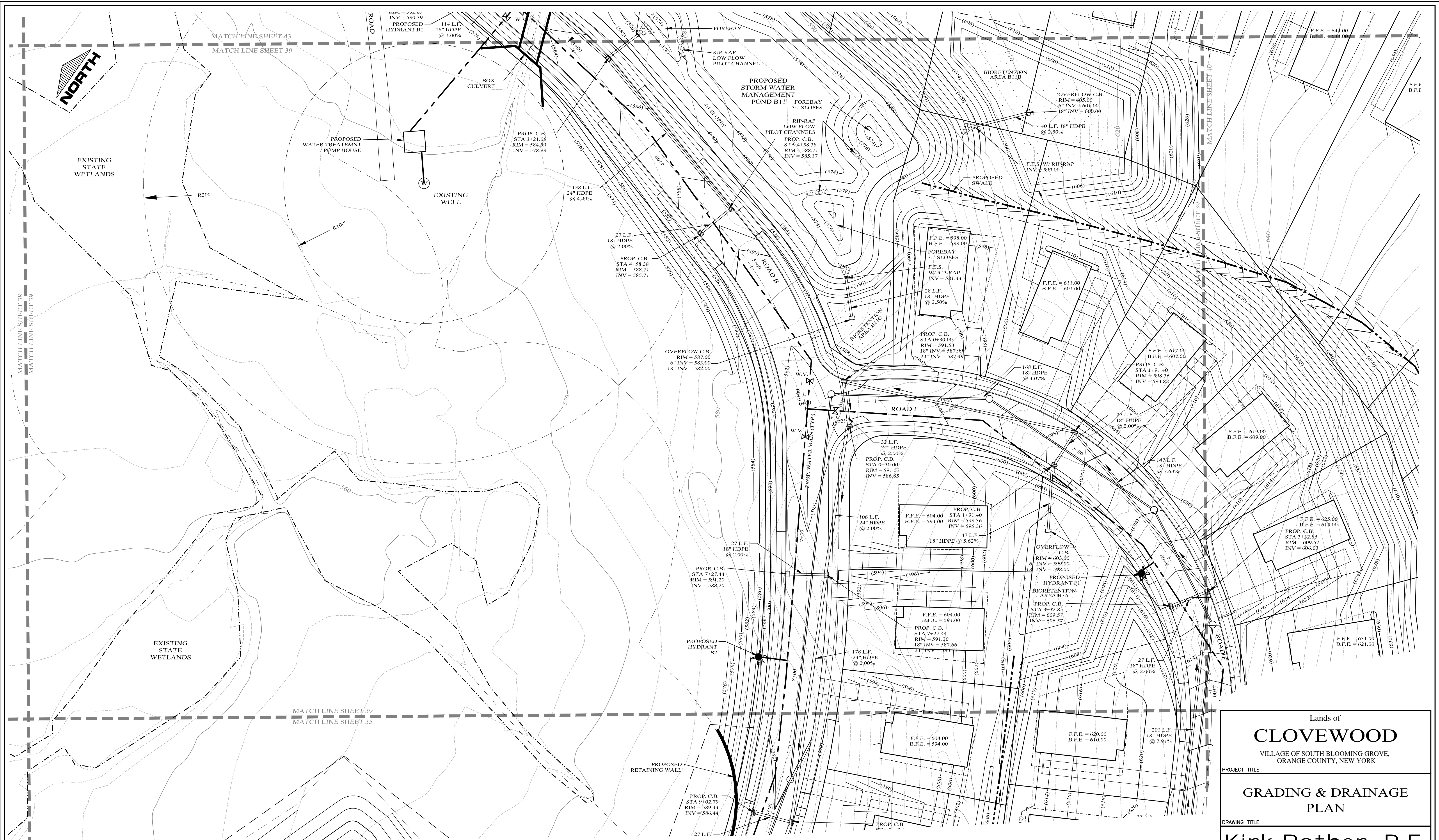
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N.A.	N.A.	N.A.	G 38

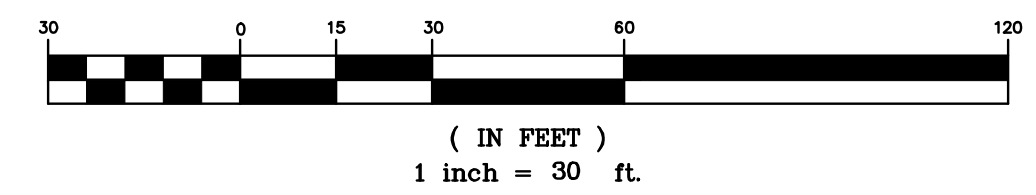
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EXISTING PROPERTY LINE	PROPOSED WATER MAIN	
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



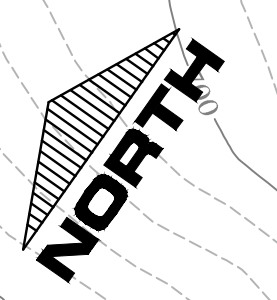
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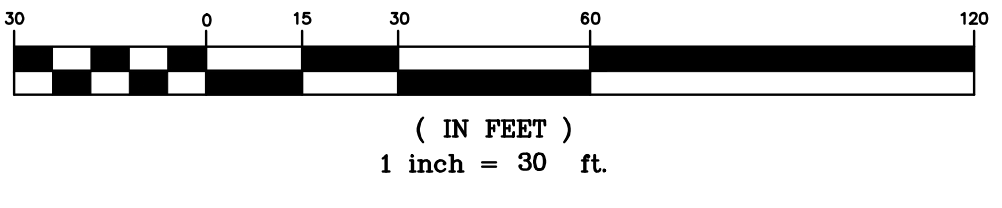
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 0790553	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #	
N.A.	N.A.	N.A.		G 39
CAD #	PROJECT #	SCALE		
14107 BASE	14107.0	AS NOTED		



LEGEND

EXISTING PROPERTY LINE	---	PROPOSED WATER MAIN	—+—+—+—
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	—+—+—+—
PROPOSED SETBACK LINE	---	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	---(600)---	PROPOSED SEWER BLDG. LATERAL	—+—+—+—
EXISTING 2' CONTOUR LINE	---(600)---	PROPOSED FOOTING DRAIN	—+—+—+—
PROPOSED CONTOUR LINE	---	PROPOSED ROOF DRAIN	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CULVERT	—+—+—+—
PROPOSED ROAD CENTERLINE	---	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	---	PROPOSED DRAINAGE FIELD INLET	□
EXISTING FEDERAL WETLANDS	---	PROPOSED WATER SERVICE	—+—+—+—
PROPOSED EDGE OF PAVEMENT	---	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	---		
EXISTING EDGE OF PAVEMENT	---		
PROPOSED SWALE	---		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

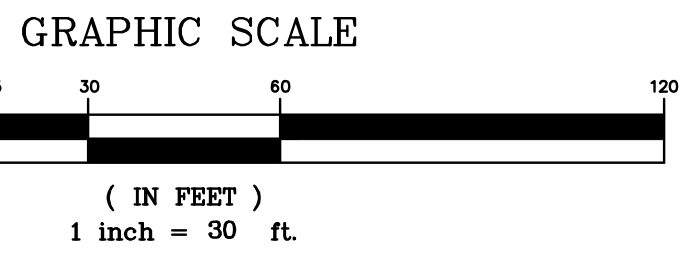
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N.A.	N.A.	N.A.	G 40
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
PLAN**

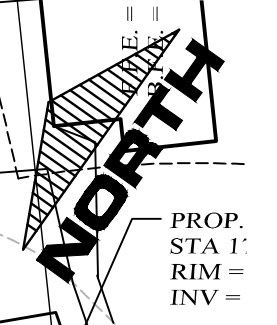
DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079653	DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 41
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

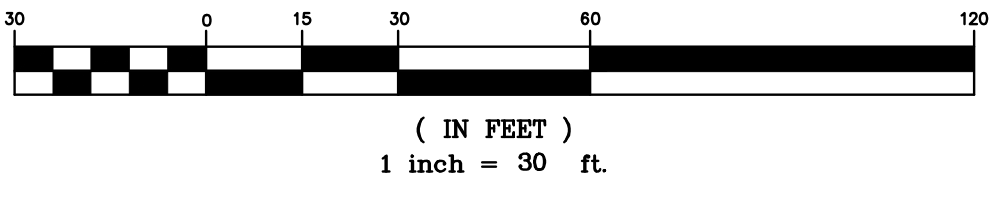
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LEGEND

EXISTING PROPERTY LINE	---	PROPOSED WATER MAIN	---
PROPOSED PROPERTY LINE	---	PROPOSED SEWER MAIN	---
PROPOSED SETBACK LINE	---	PROPOSED SEWER MAN HOLE	○
EXISTING 10' CONTOUR LINE	---	PROPOSED SEWER BLDG. LATERAL	---
EXISTING 2' CONTOUR LINE	---	PROPOSED FOOTING DRAIN	---
PROPOSED CONTOUR LINE	(600)	PROPOSED ROOF DRAIN	---
PROPOSED EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CULVERT	---
PROPOSED ROAD CENTERLINE	---	PROPOSED DRAINAGE MAN HOLE	○
EXISTING EDGE OF PAVEMENT	---	PROPOSED DRAINAGE CATCH BASIN	□
EXISTING DEC WETLANDS	---	PROPOSED DRAINAGE FIELD INLET	---
EXISTING FEDERAL WETLANDS	---	PROPOSED WATER SERVICE	---
PROPOSED EDGE OF PAVEMENT	---	PROPOSED WTR SERV. VALVE BOX	□
PROPOSED ROAD CENTERLINE	---		
EXISTING EDGE OF PAVEMENT	---		
PROPOSED SWALE	---		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
 PLAN**

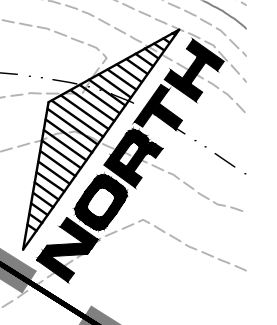
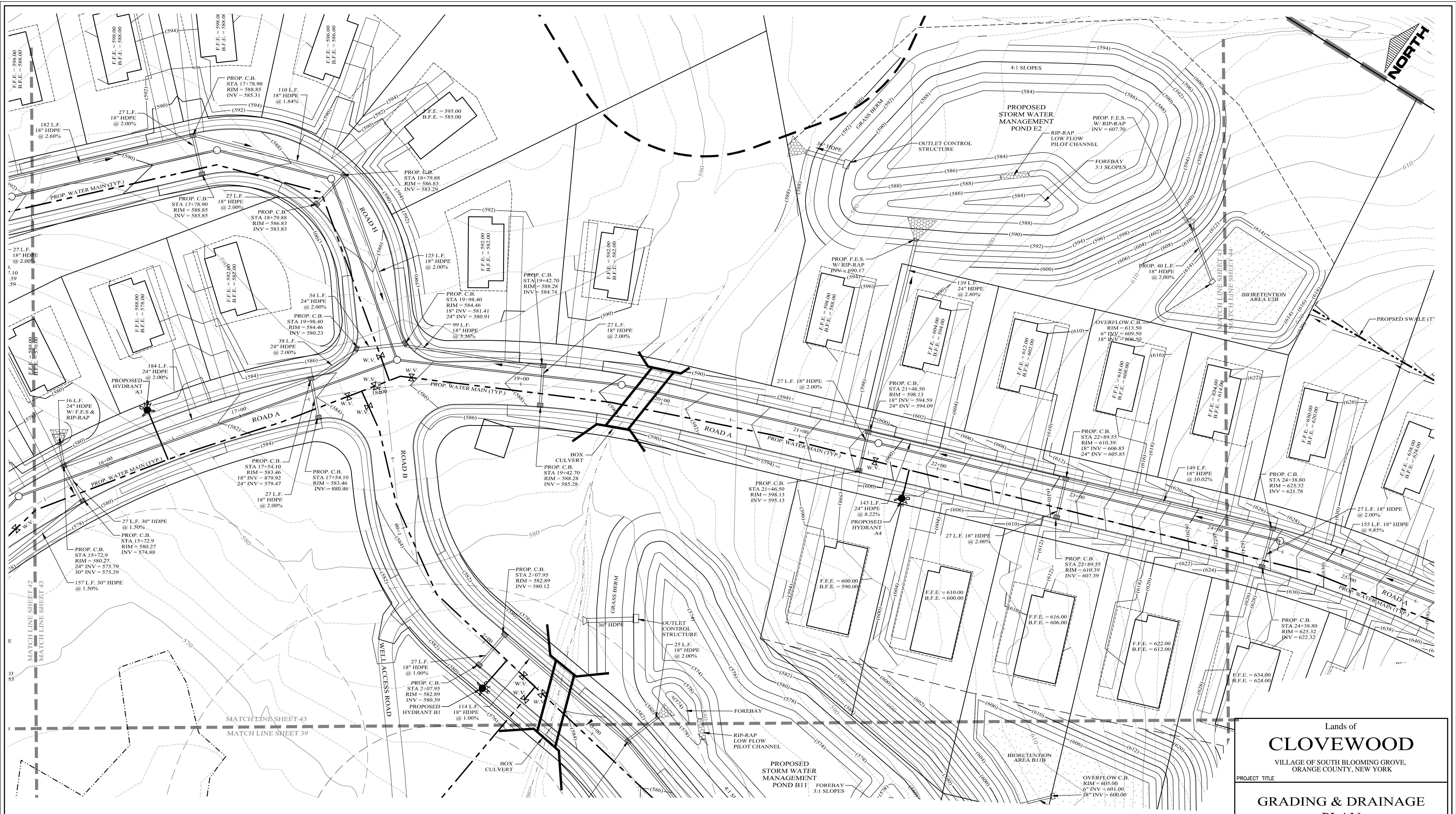
DRAWING TITLE

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 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079653	DATE
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01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 42
14107 BASE	14107.0	AS NOTED	

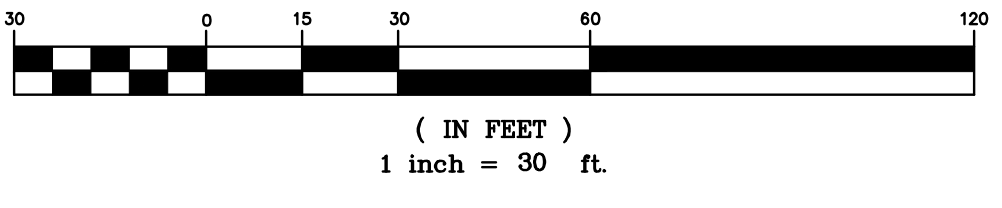
DATE	REVISIONS



LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED SETBACK LINE	PROPOSED SEWER MAIN	
EXISTING 10' CONTOUR LINE	PROPOSED SEWER MAN HOLE	
EXISTING 2' CONTOUR LINE	PROPOSED SEWER BLDG. LATERAL	
PROPOSED CONTOUR LINE	PROPOSED FOOTING DRAIN	
PROPOSED EDGE OF PAVEMENT	PROPOSED ROOF DRAIN	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CULVERT	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
EXISTING DEC WETLANDS	PROPOSED DRAINAGE CATCH BASIN	
EXISTING FEDERAL WETLANDS	PROPOSED DRAINAGE FIELD INLET	
PROPOSED EDGE OF PAVEMENT	PROPOSED WATER SERVICE	
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE
**GRADING & DRAINAGE
 PLAN**

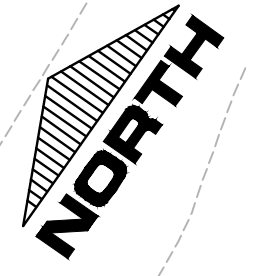
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 43
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

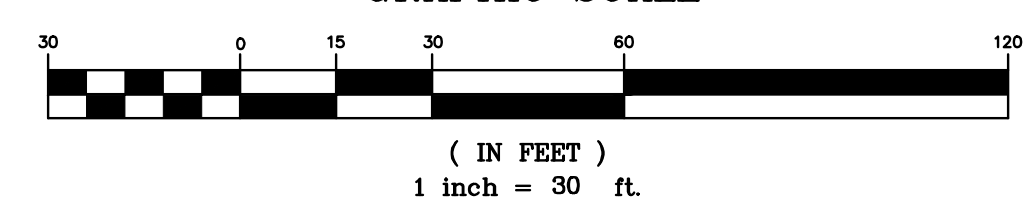
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LEGEND

EXISTING PROPERTY LINE	PROPOSED WATER MAIN	PROPOSED DRAINAGE CATCH BASIN
PROPOSED PROPERTY LINE	PROPOSED SEWER MAIN	PROPOSED DRAINAGE MAN HOLE
PROPOSED SETBACK LINE	PROPOSED SEWER BLDG. LATERAL	PROPOSED DRAINAGE FIELD INLET
EXISTING 10' CONTOUR LINE	PROPOSED FOOTING DRAIN	PROPOSED WATER SERVICE
EXISTING 2' CONTOUR LINE	PROPOSED ROOF DRAIN	PROPOSED WTR SERV. VALVE BOX
PROPOSED CONTOUR LINE	PROPOSED DRAINAGE CULVERT	
PROPOSED EDGE OF PAVEMENT	PROPOSED DRAINAGE MAN HOLE	
PROPOSED ROAD CENTERLINE	PROPOSED DRAINAGE CATCH BASIN	
EXISTING EDGE OF PAVEMENT	PROPOSED DRAINAGE FIELD INLET	
EXISTING DEC WETLANDS	PROPOSED WATER SERVICE	
EXISTING FEDERAL WETLANDS	PROPOSED WTR SERV. VALVE BOX	
PROPOSED EDGE OF PAVEMENT		
PROPOSED ROAD CENTERLINE		
EXISTING EDGE OF PAVEMENT		
PROPOSED SWALE		

GRAPHIC SCALE



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**GRADING & DRAINAGE
PLAN**

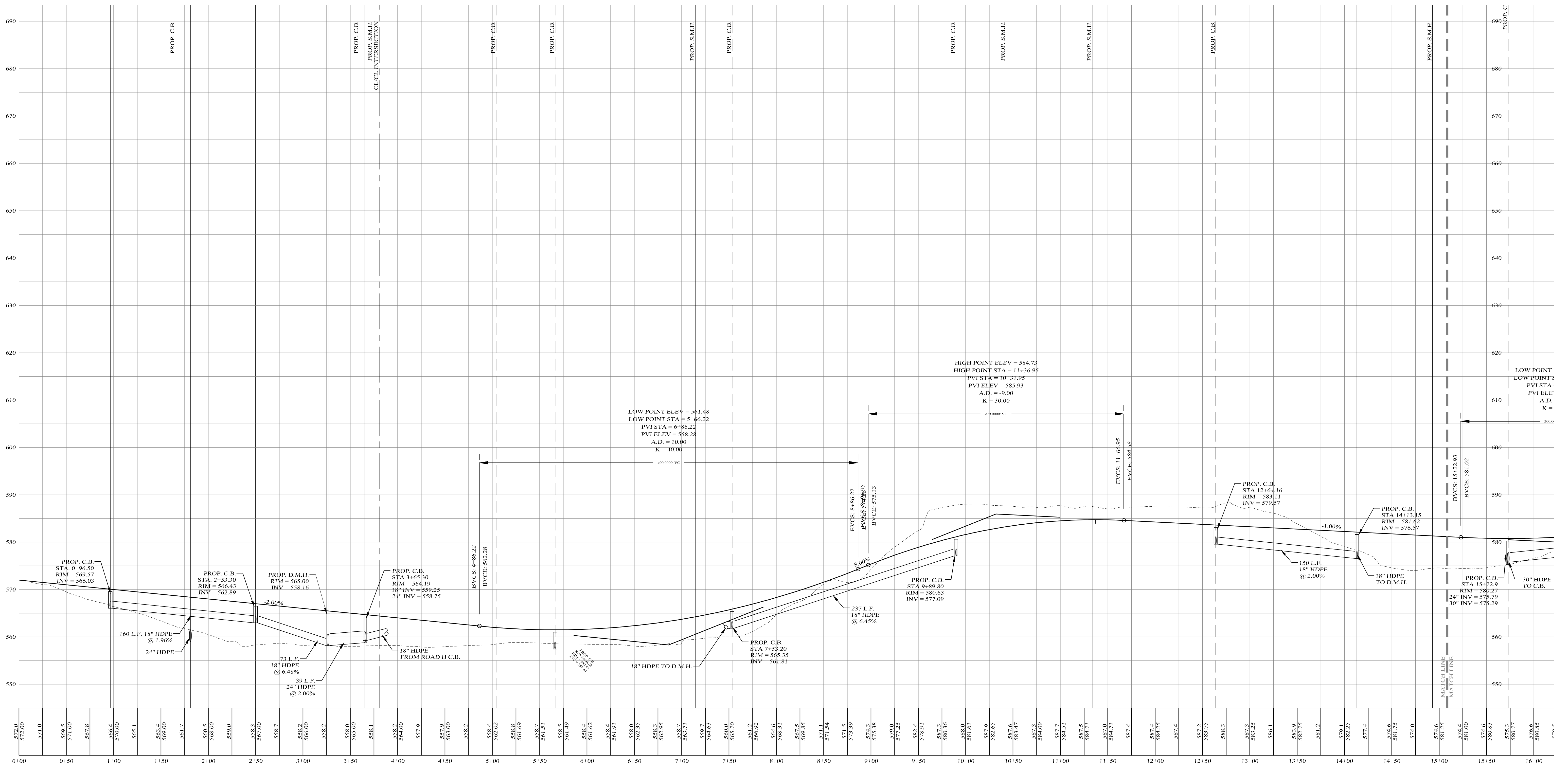
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	G 44
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE
 SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND
 ----- EXISTING GRADE LINE
 - - - - - PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD A
 PROFILE**

DRAWING TITLE

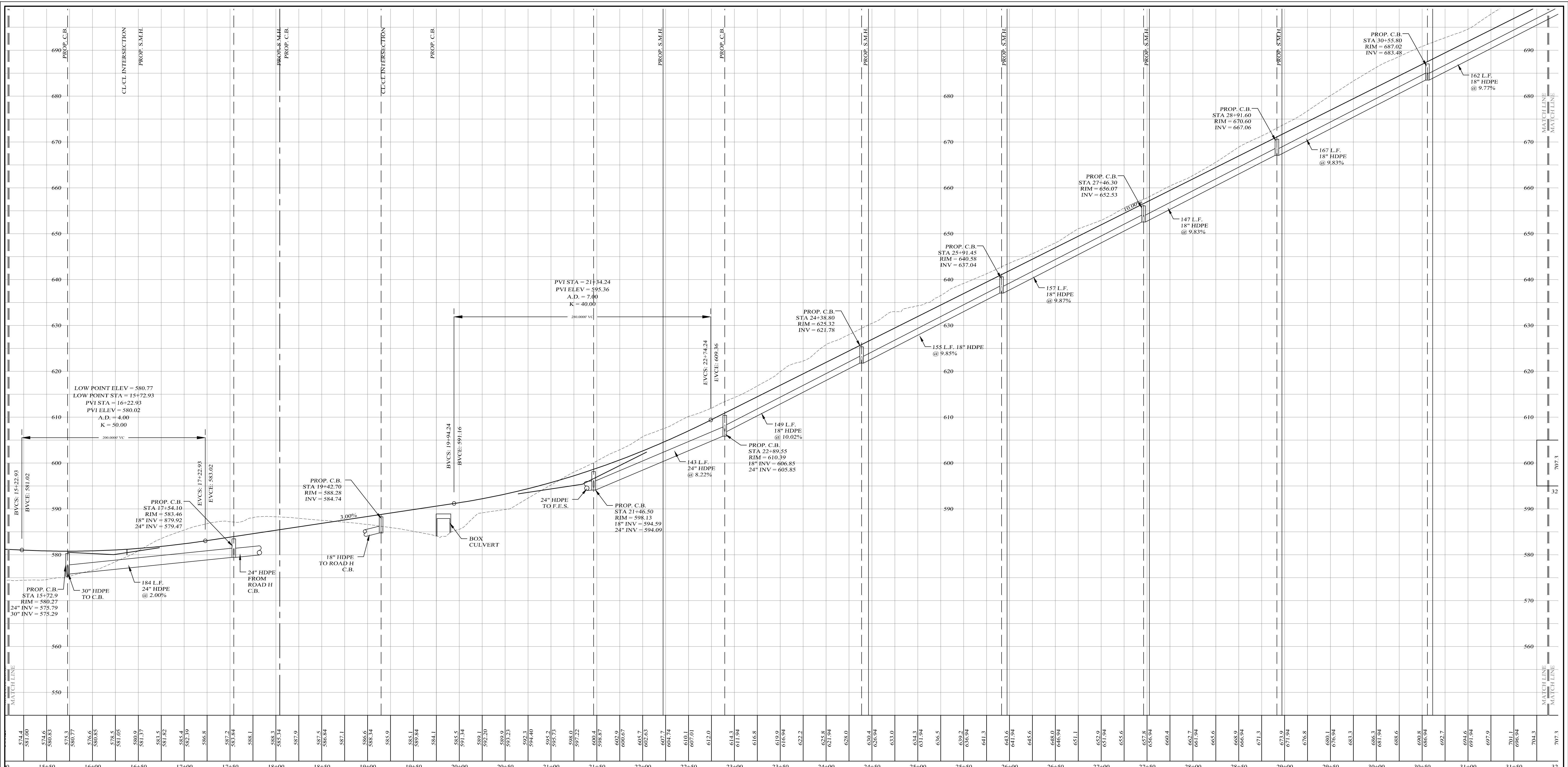
Kirk Rother, P.E.
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 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P A1
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

- EXISTING GRADE LINE
- PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD A
PROFILE**

DRAWING TITLE

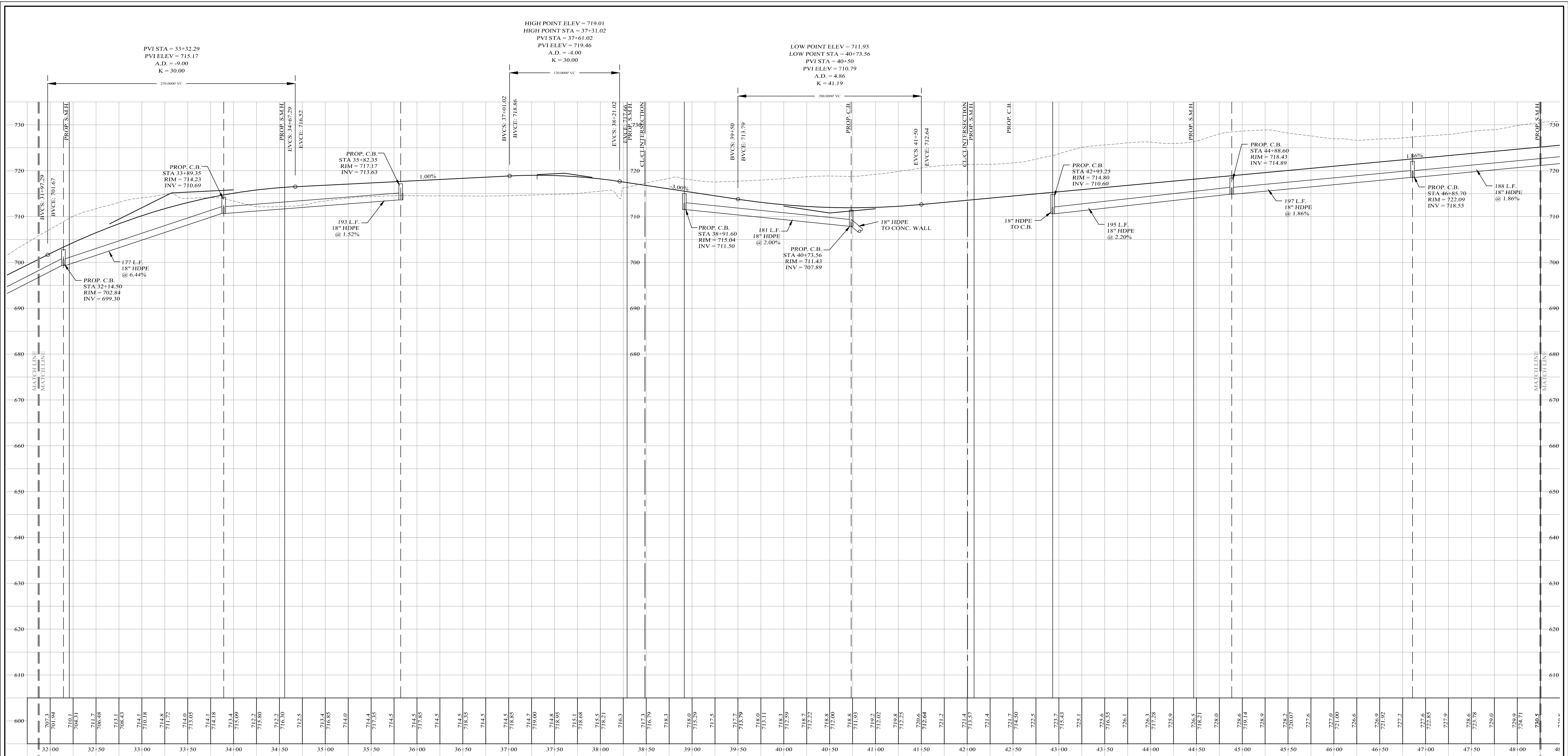
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	DATE
10-27-21	REV. PER DEIS COMMENTS	
01-29-19	PRELIMINARY DESIGN	
03-26-18	INITIAL PREPARATION	

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P A2

DATE	REVISIONS

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD A
PROFILE**

DRAWING TITLE

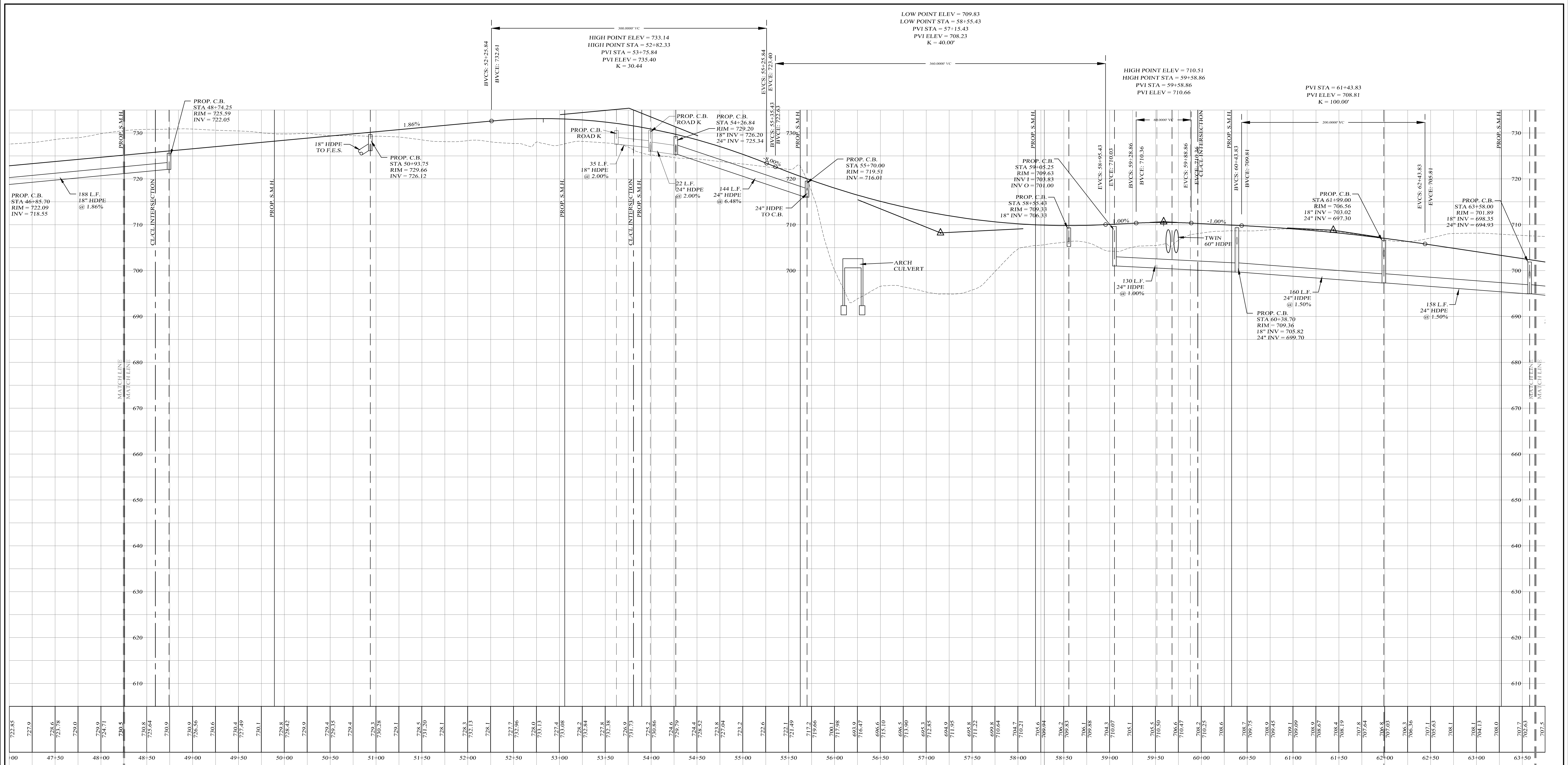
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
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(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
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03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P A3

CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE -----
 PROPOSED GRADE LINE -----

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE
ROAD A PROFILE

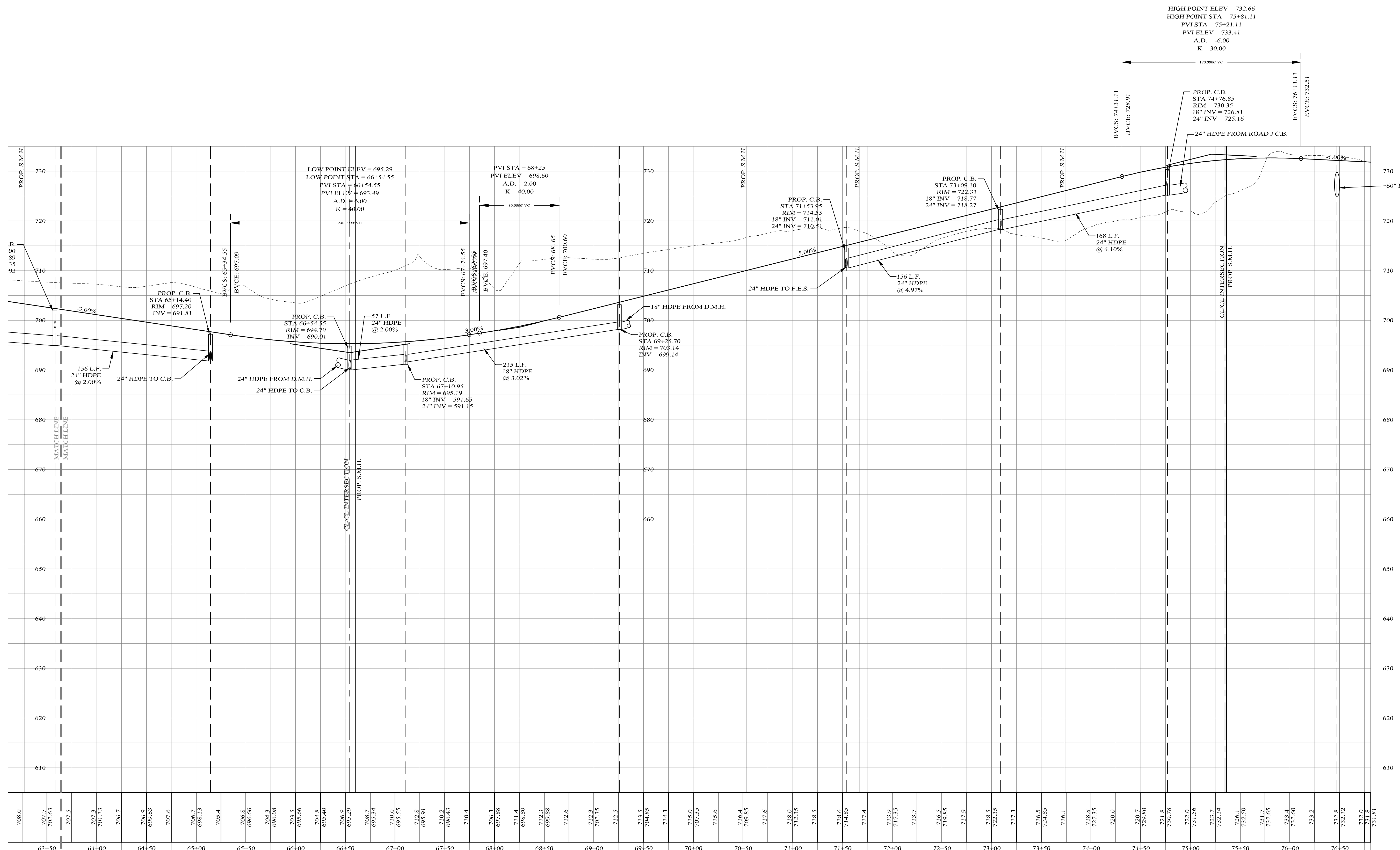
DRAWING TITLE
Kirk Rother, P.E.
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 5 Saint Stephens Lane, Warwick NY 10990
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DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
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01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P A4

DATE	REVISIONS

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CENTERLINE ROAD PROFILE
 SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

----- EXISTING GRADE LINE
 - - - - - PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

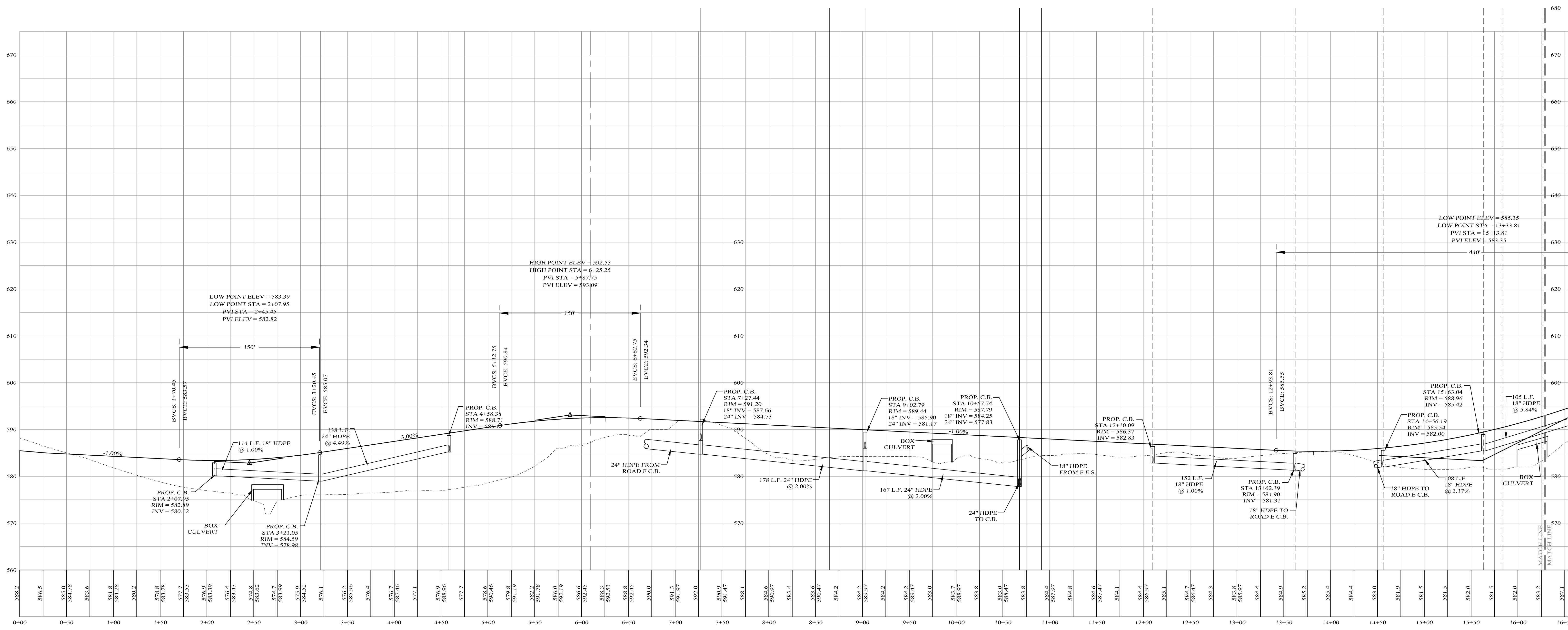
**ROAD A
 PROFILE**

DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
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	CAD # 14107 BASE	PROJECT # 14107.0	SCALE AS NOTED	



CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD B
PROFILE**

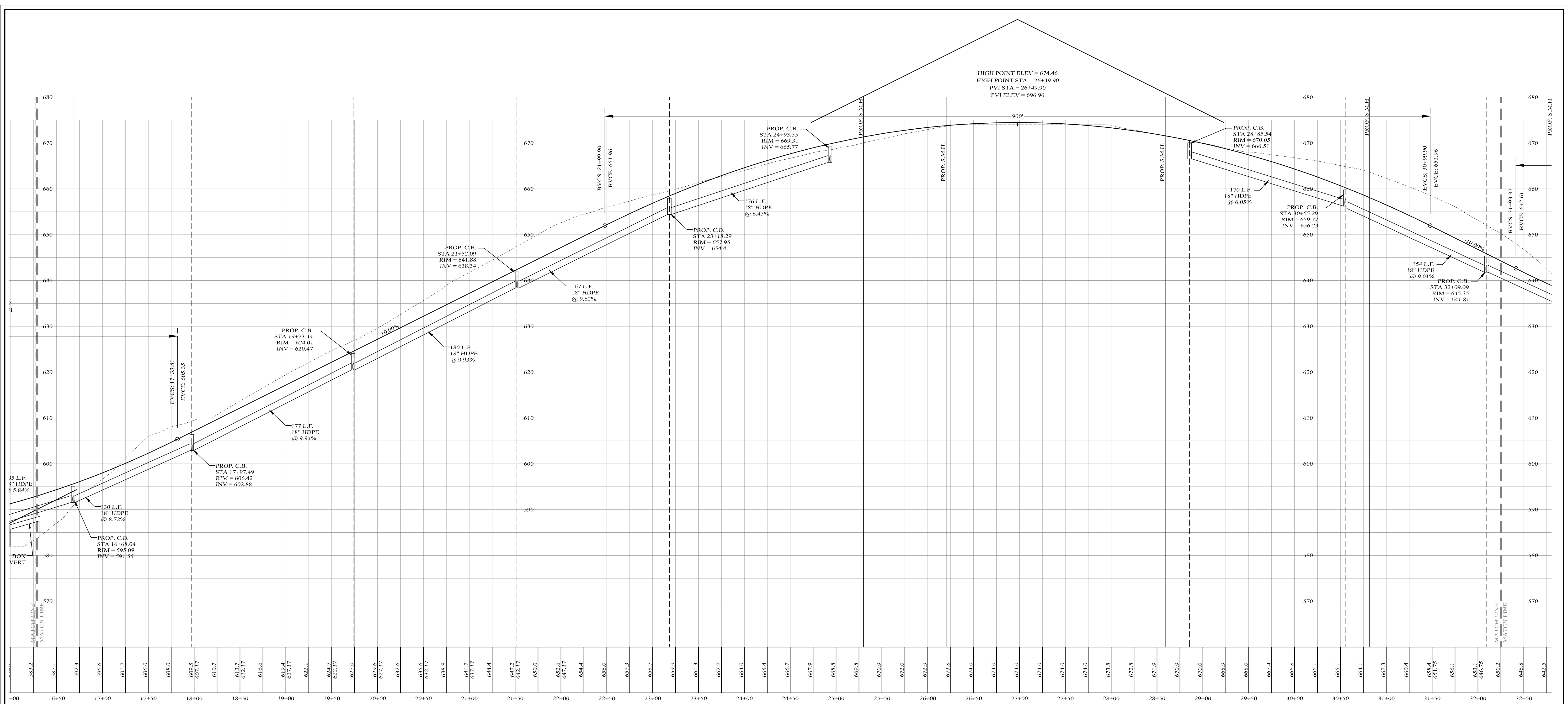
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D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P B1
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD B
PROFILE**

DRAWING TITLE

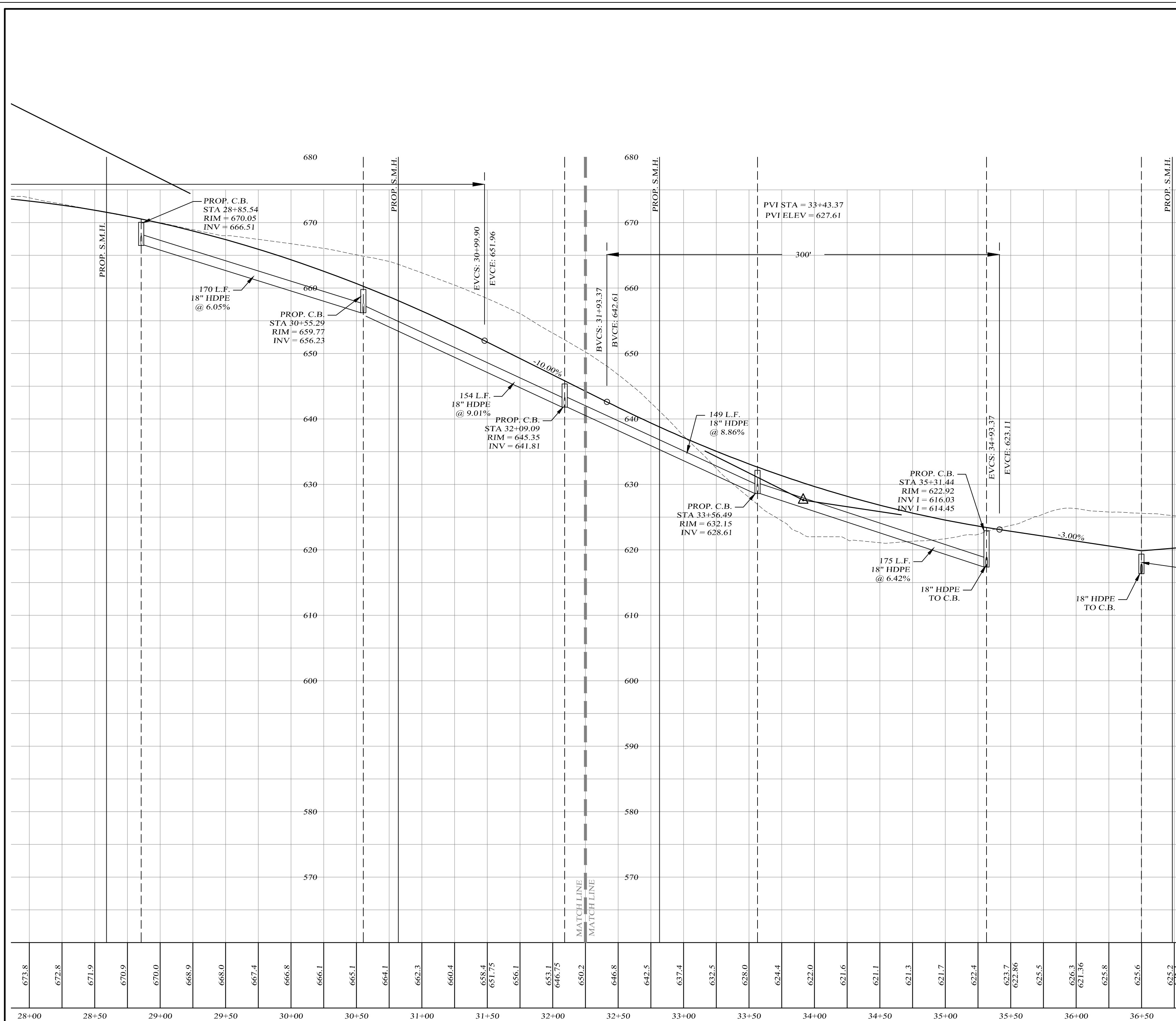
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N.A.	N.A.	N.A.	P B2

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
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ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD B
PROFILE**

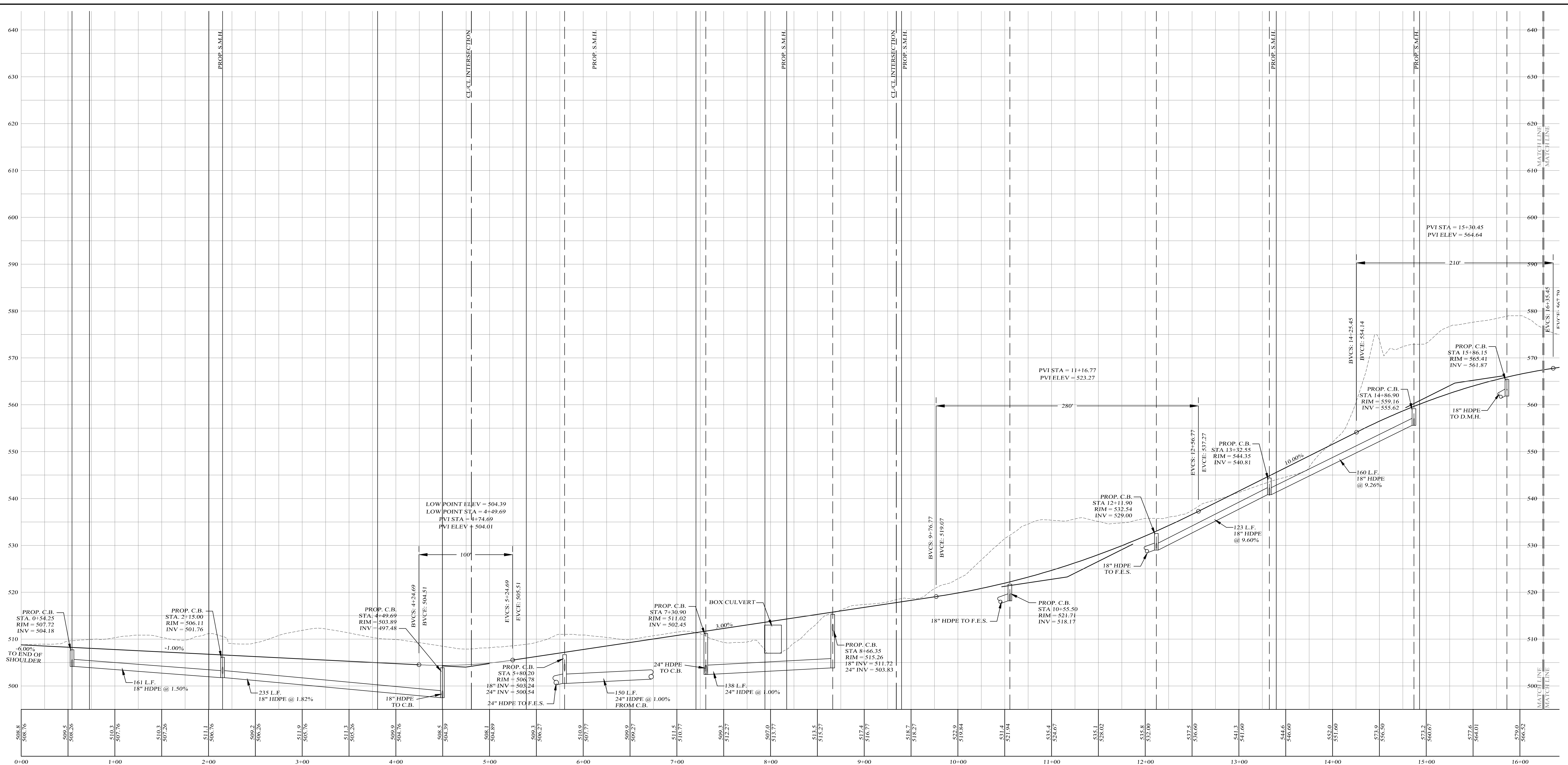
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N.A.	N.A.	N.A.	P B3
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.



CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD C
 PROFILE**

DRAWING TITLE

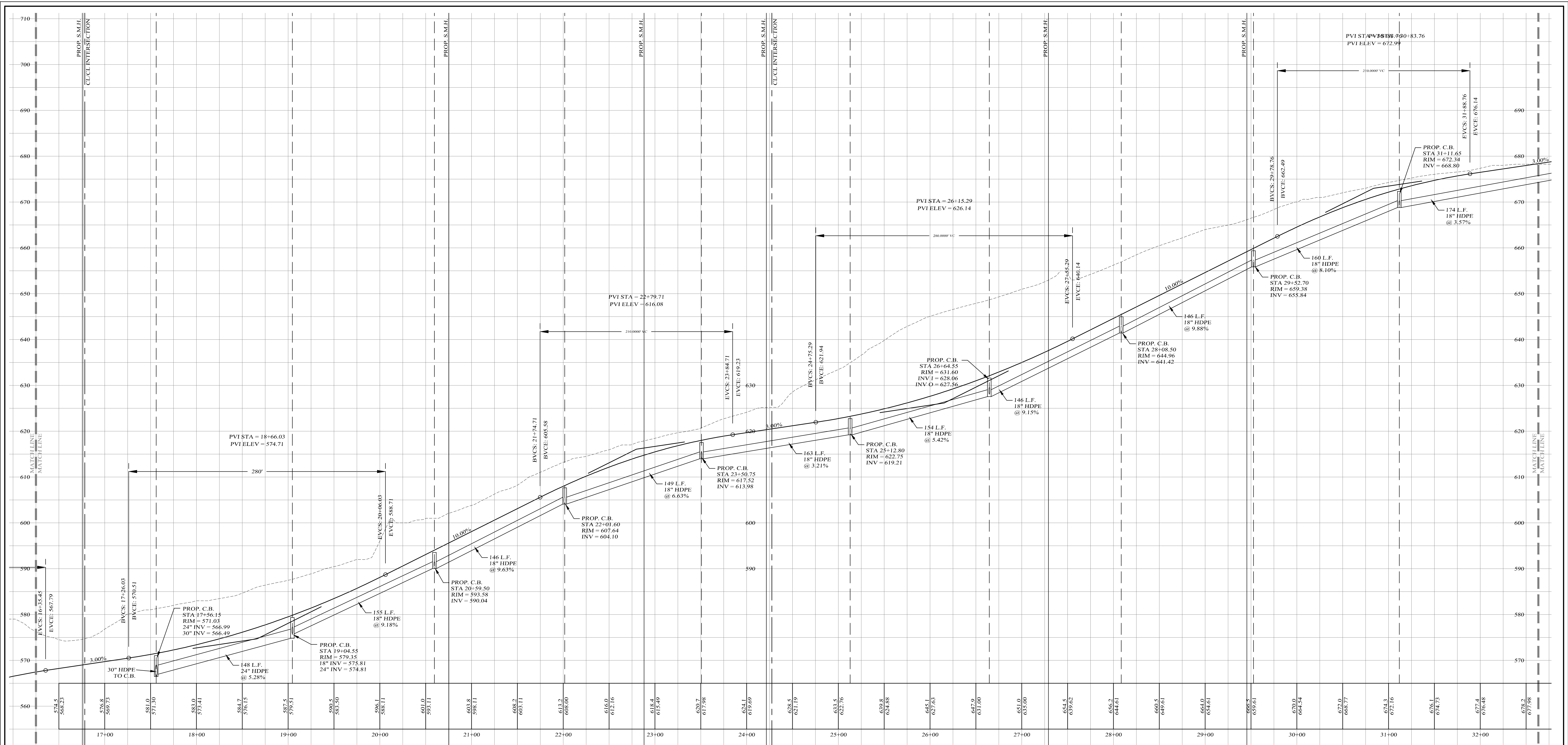
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P C1
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

DATE	REVISIONS



CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD C
PROFILE**

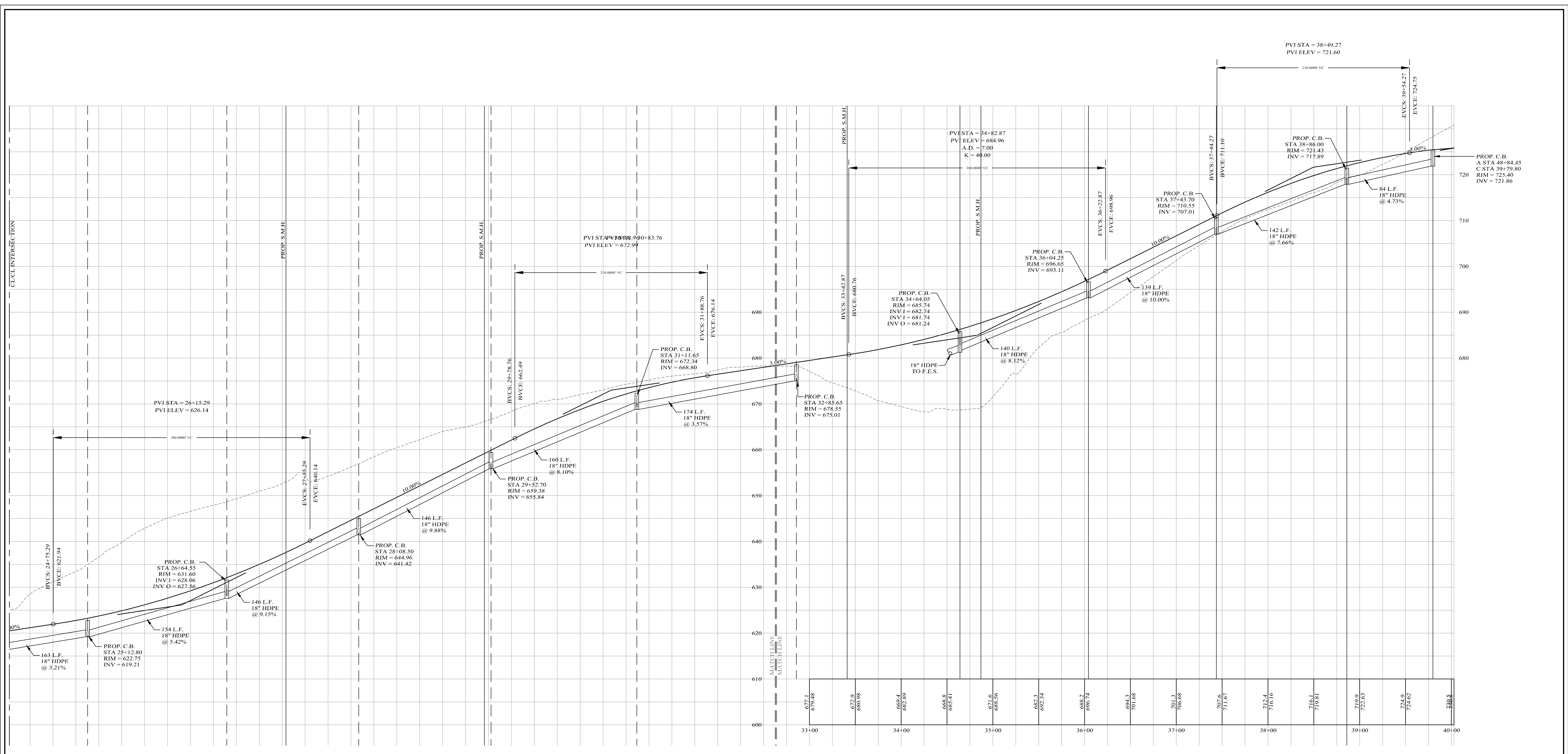
DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION
DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P C2
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD C
 PROFILE**

DRAWING TITLE

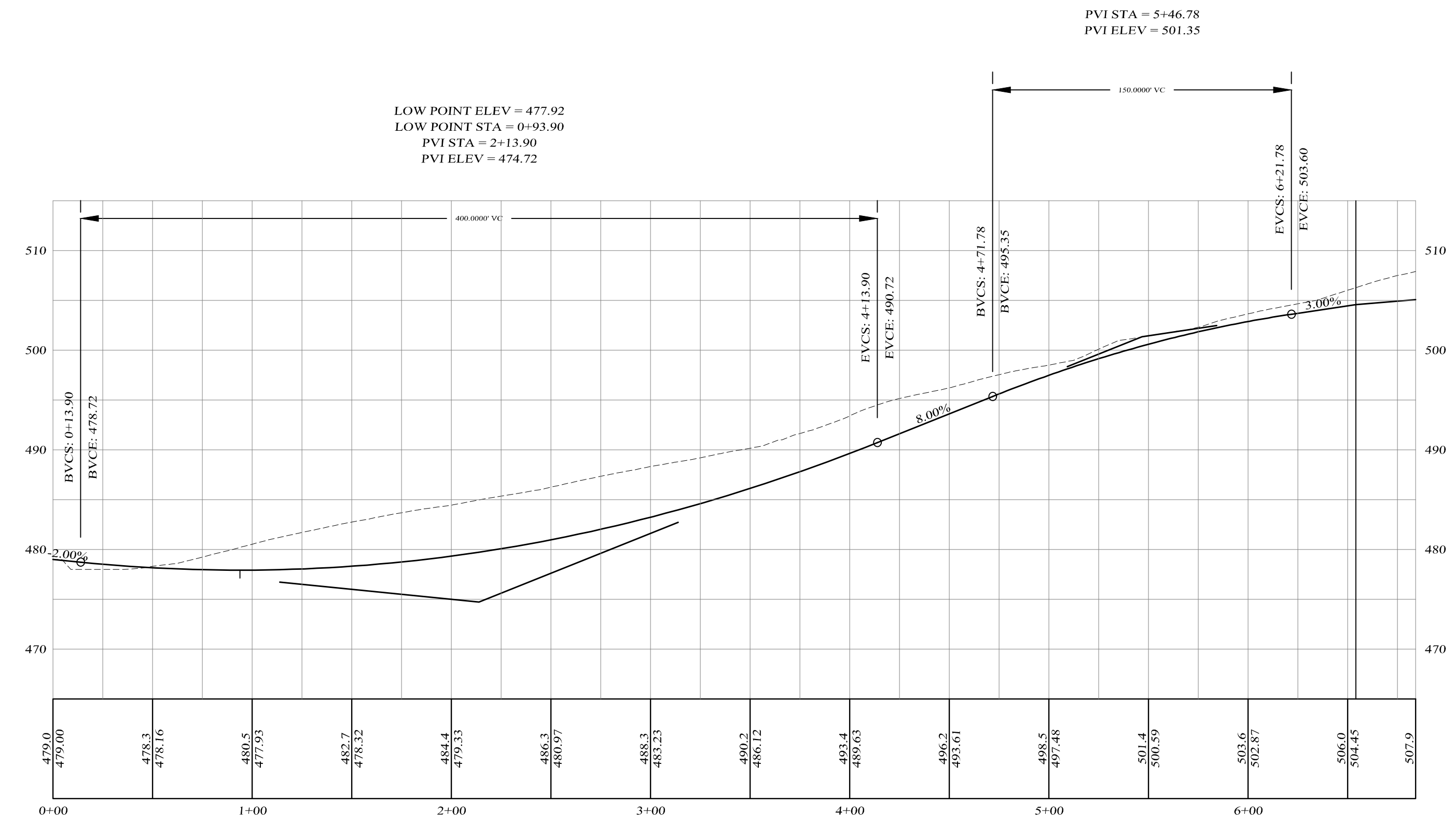
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	DATE
10-27-21	REV. PER DEIS COMMENTS	
01-29-19	PRELIMINARY DESIGN	
03-26-18	INITIAL PREPARATION	

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P C3

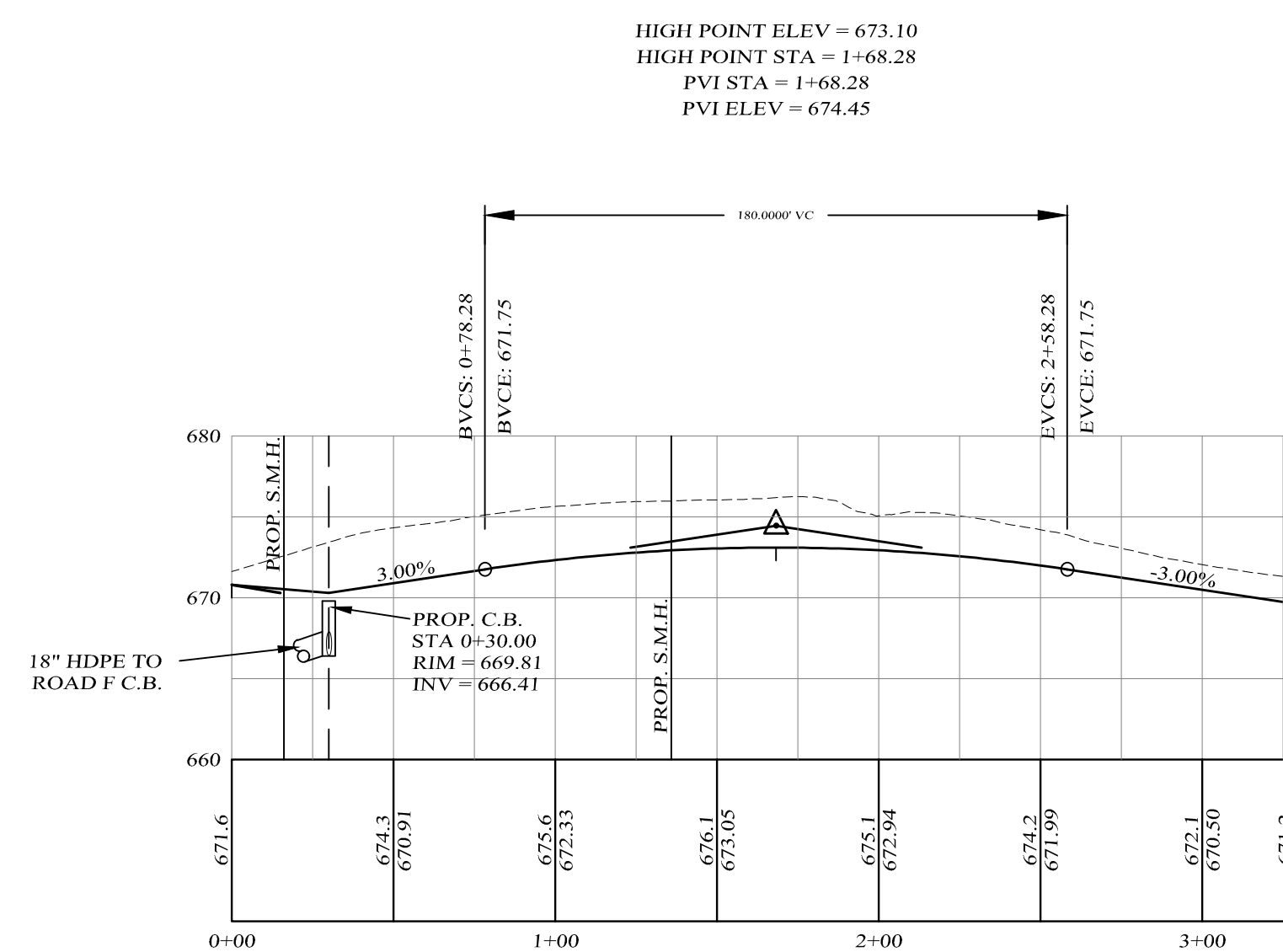
DATE	REVISIONS

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CENTERLINE ROAD D PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'



CENTERLINE ROAD G PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND
EXISTING GRADE LINE -----
PROPOSED GRADE LINE _____

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

**ROAD D & G
PROFILE**

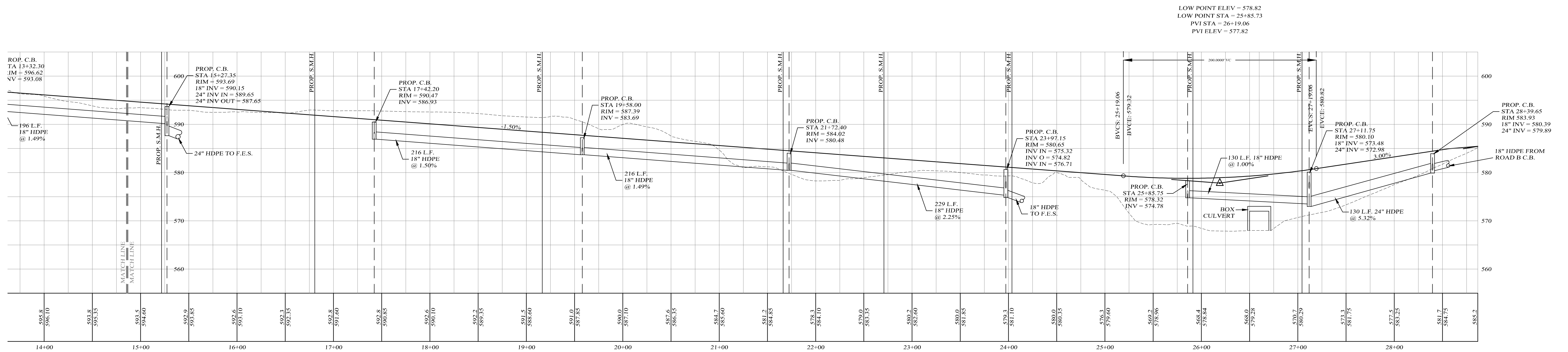
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	PDG1

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CAD #	PROJECT #	SCALE
14107 BASE	14107.0	AS NOTED



LOW POINT ELEV = 578.82
 LOW POINT STA = 25+85.73
 PVI STA = 26+19.06
 PVI ELEV = 577.82

CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE
**ROAD E
 PROFILE**

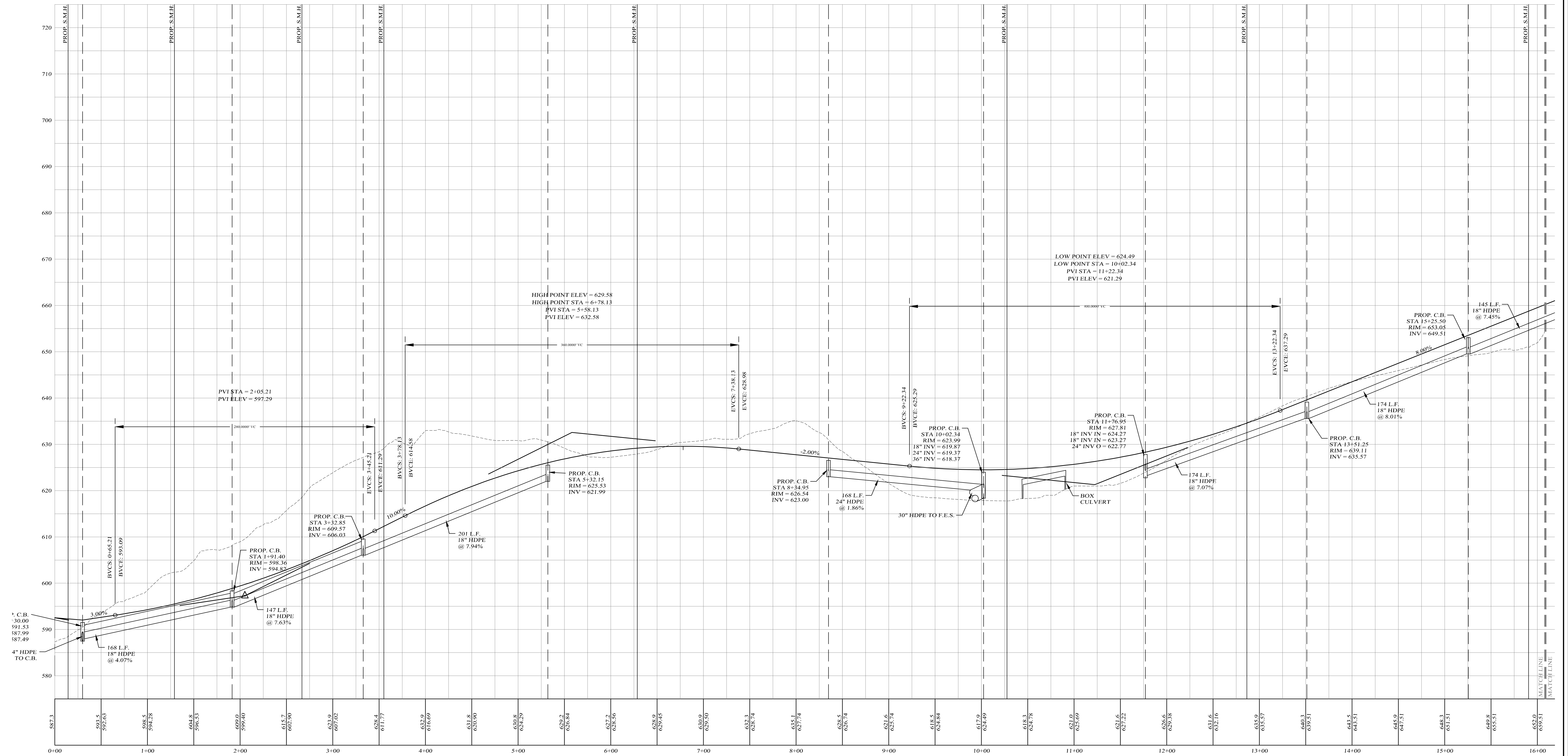
DRAWING TITLE
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P E2
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

ROAD F
PROFILE

DRAWING TITLE

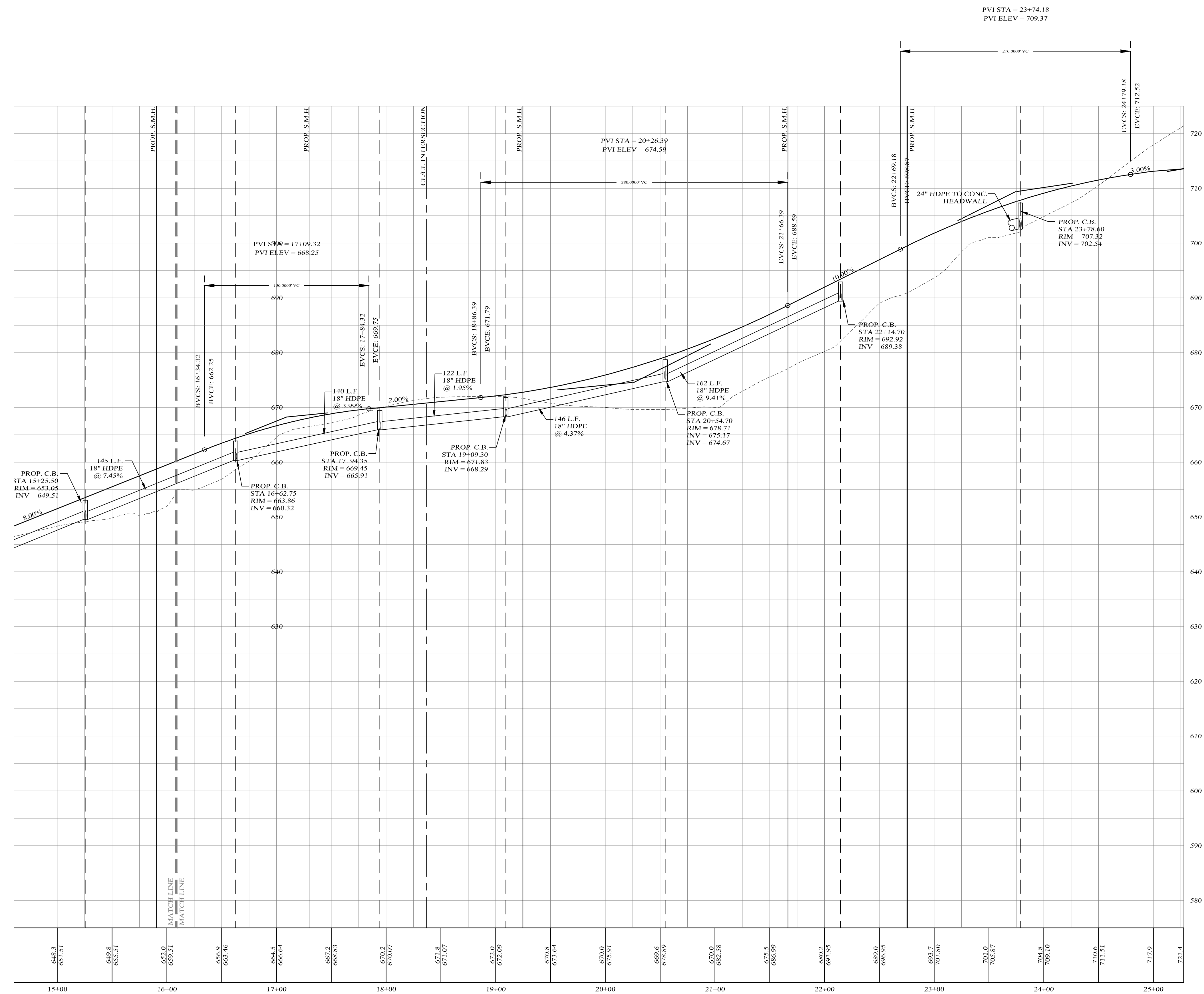
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P F1

PROJECT #	SCALE
14107 BASE	AS NOTED

DATE	REVISIONS



CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD F
PROFILE**

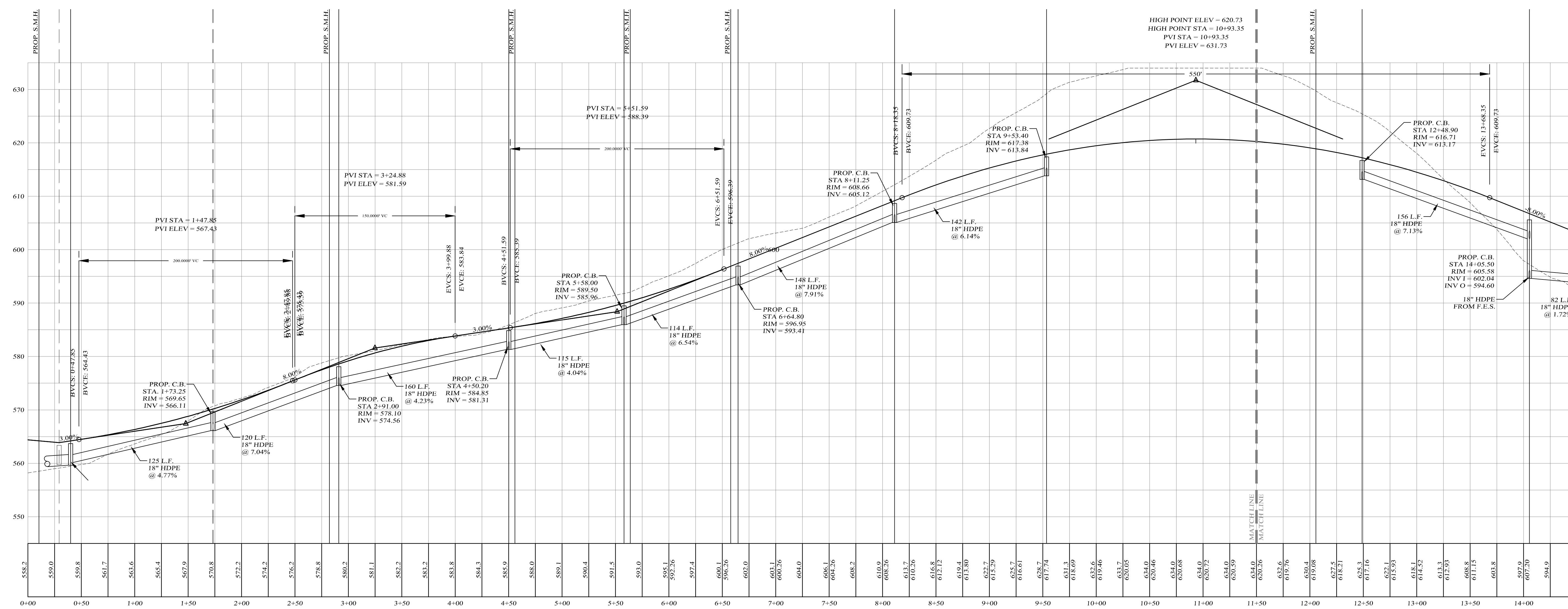
DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P F2
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND
 --- EXISTING GRADE LINE
 - - - PROPOSED GRADE LINE

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD H
 PROFILE**

DRAWING TITLE

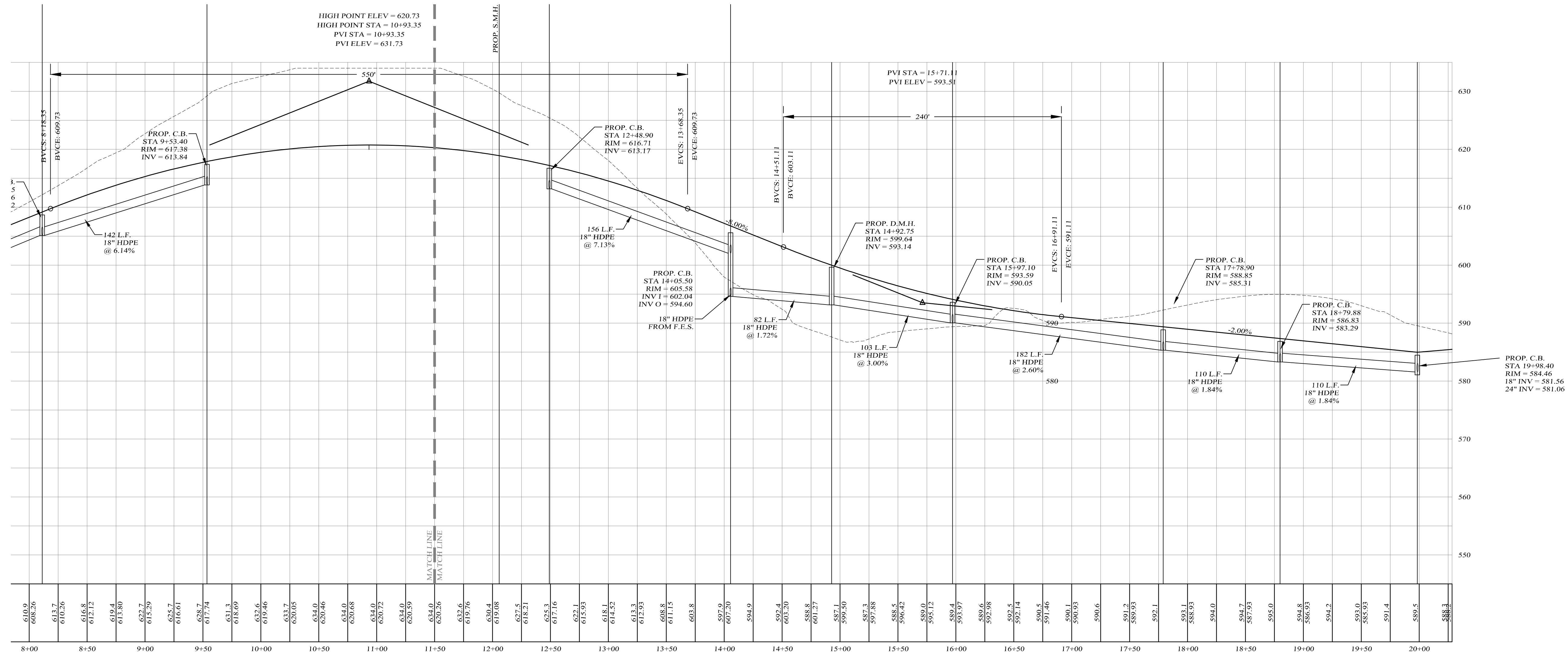
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053 DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

PH1

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD H
 PROFILE**

DRAWING TITLE

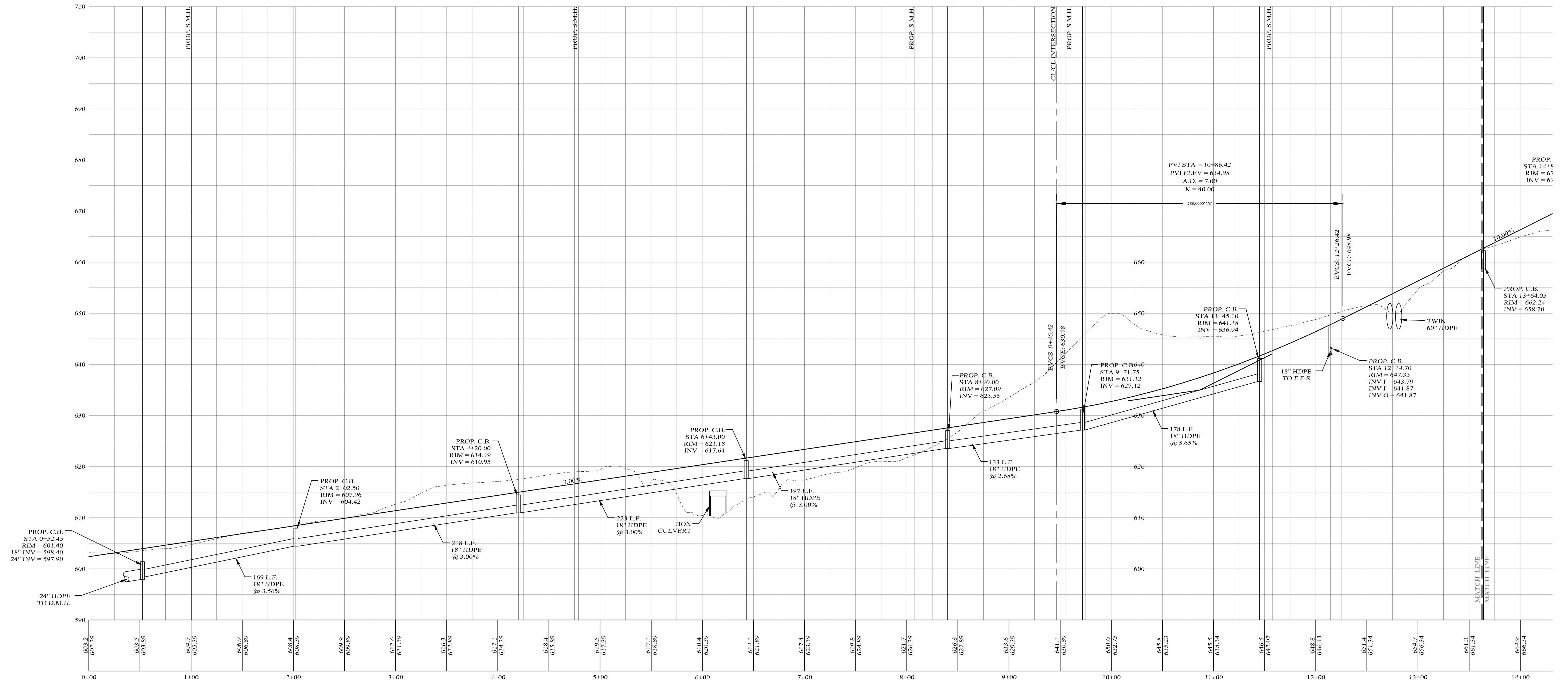
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

DATE	REVISIONS

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P H2
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD I
 PROFILE**

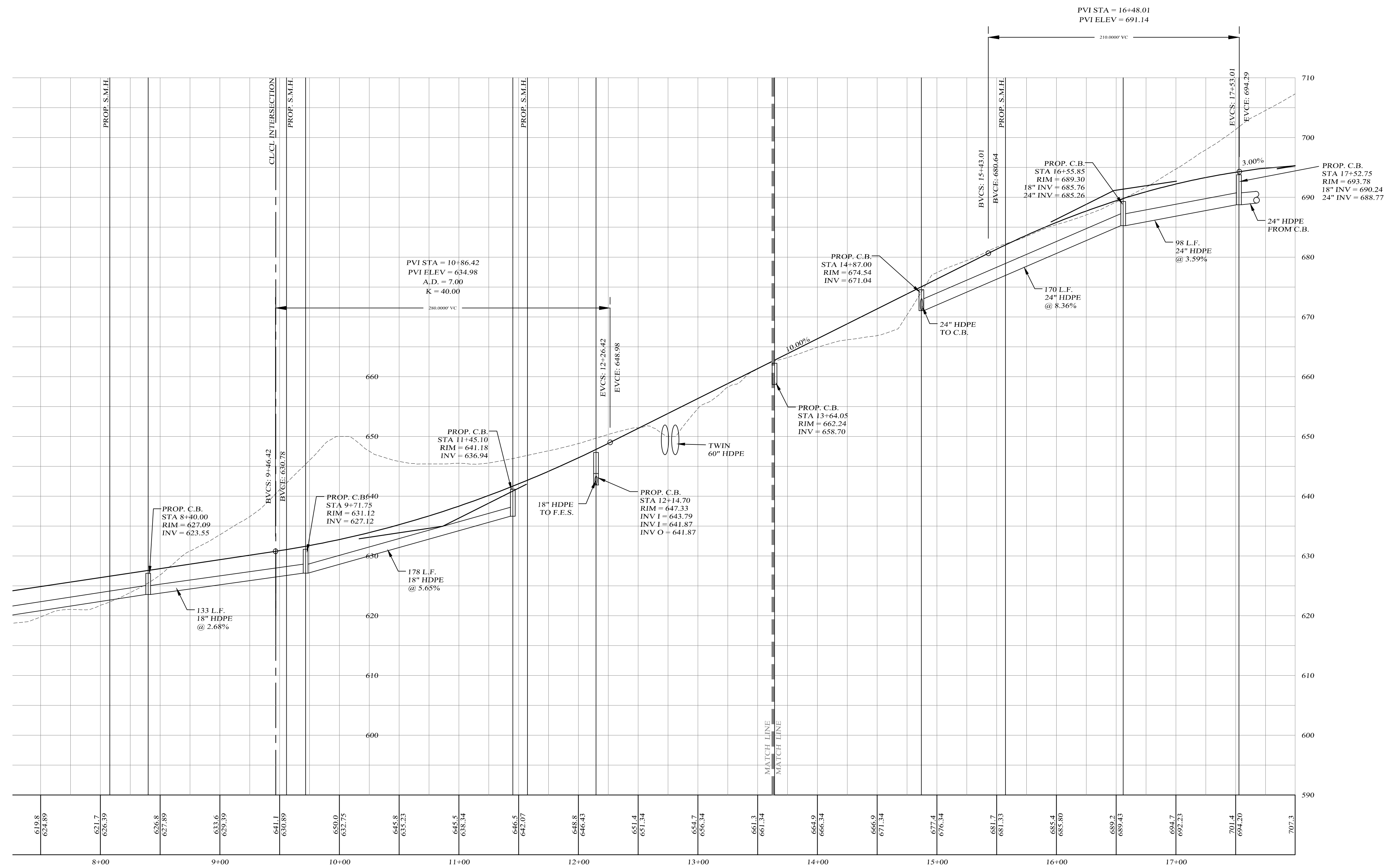
DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P 11
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD I
 PROFILE**

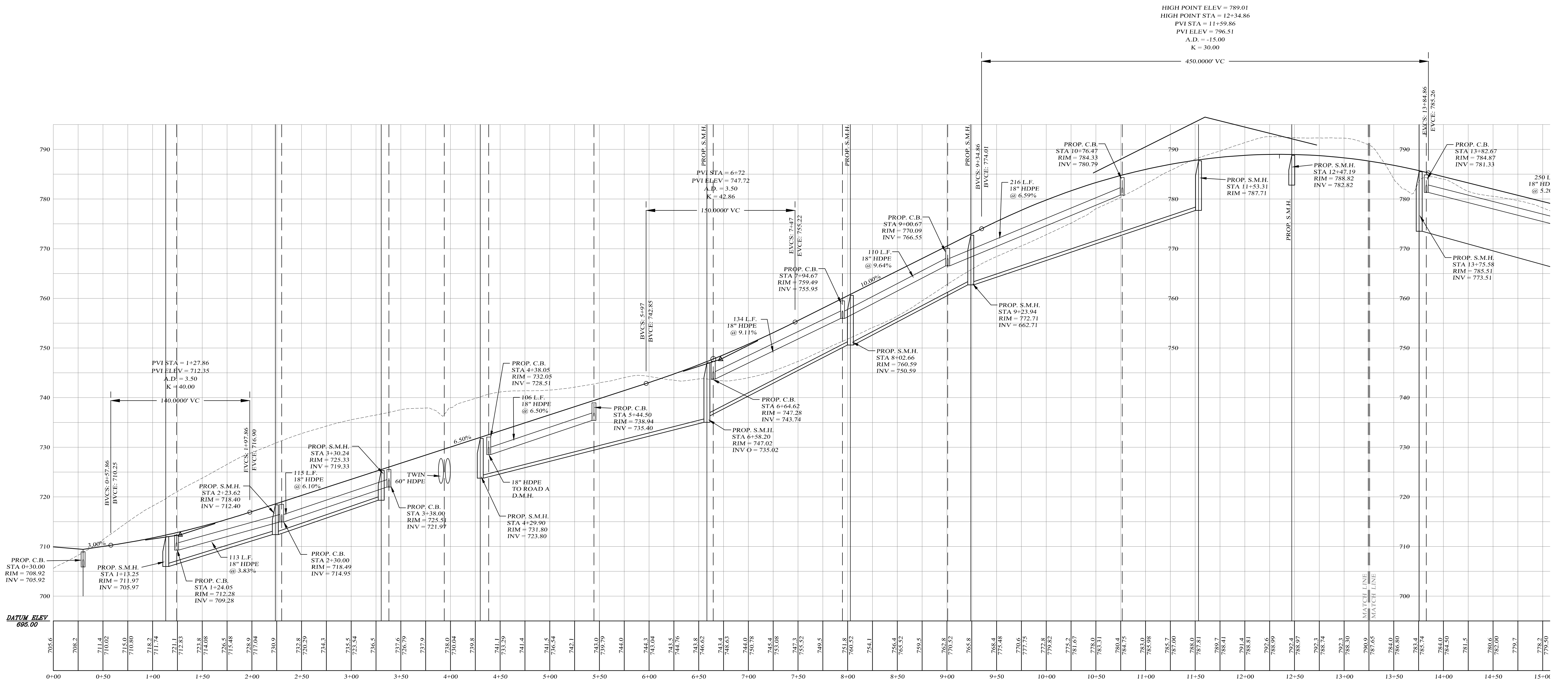
DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P 12
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

DATE	REVISIONS



DATUM ELEV
695.00

LEGEND
 _____ EXISTING GRADE LINE
 - - - - - PROPOSED GRADE LINE

CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

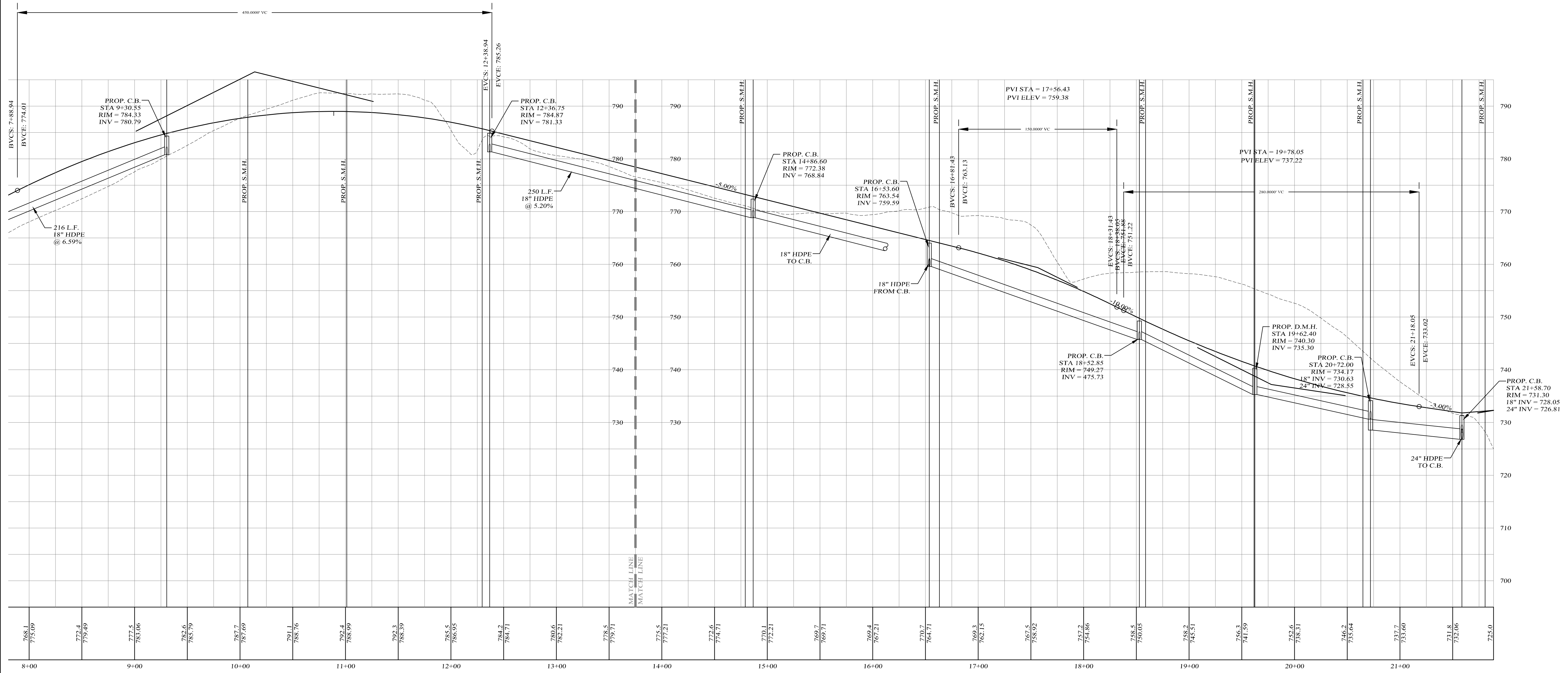
PROJECT TITLE
**ROAD J
 PROFILE**

DRAWING TITLE
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P J1

HIGH POINT ELEV = 789.01
 HIGH POINT STA = 10+88.94
 PVI STA = 10+13.94
 PVI ELEV = 796.51



CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD J
 PROFILE**

DRAWING TITLE

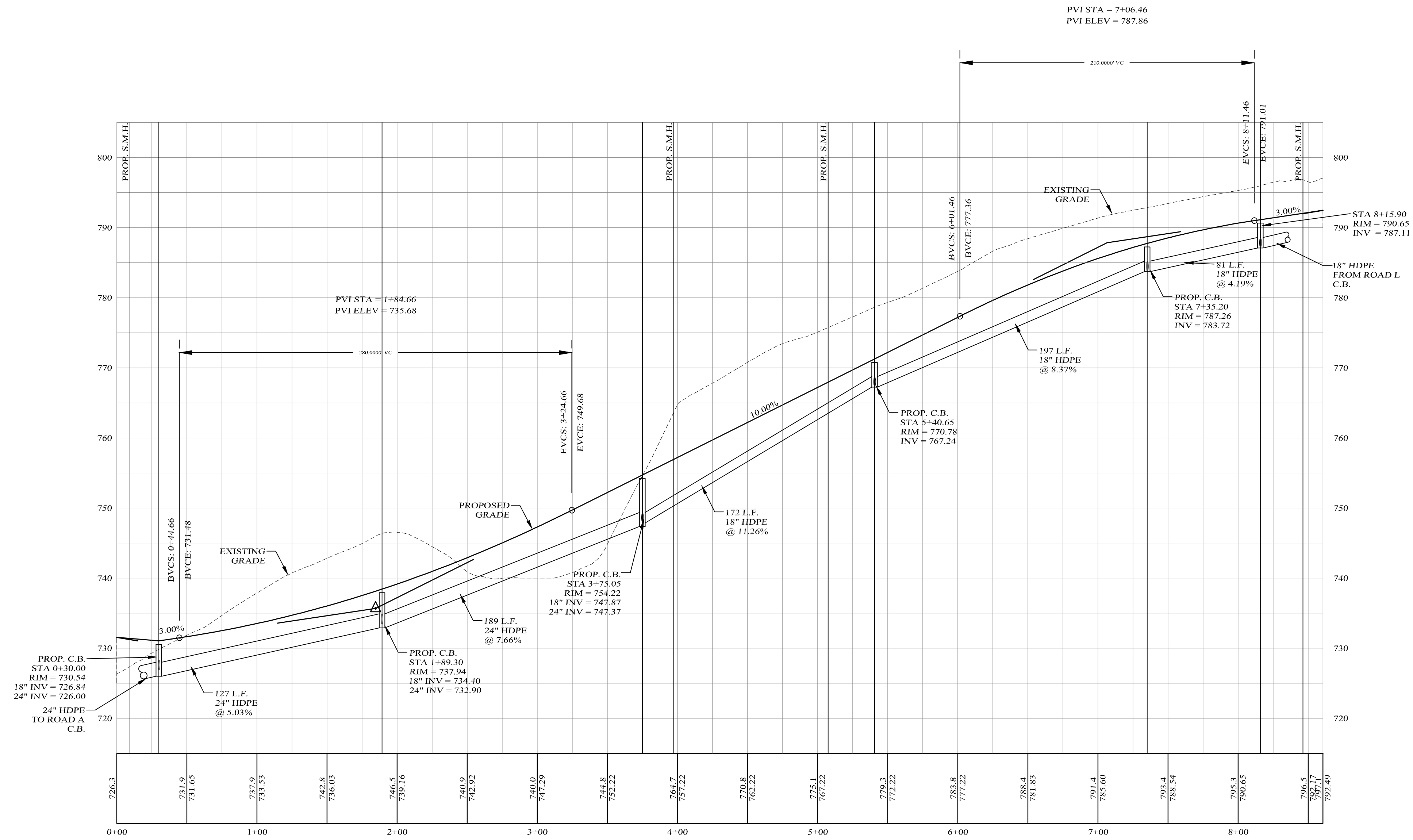
Kirk Rother, P.E.
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 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
10-27-21	REV. PER DEIS COMMENTS				
01-29-19	PRELIMINARY DESIGN				
03-26-18	INITIAL PREPARATION				

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KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
N.A.	N.A.	N.A.
PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED

P J2



CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE -----
 PROPOSED GRADE LINE _____

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD K
PROFILE**

DRAWING TITLE

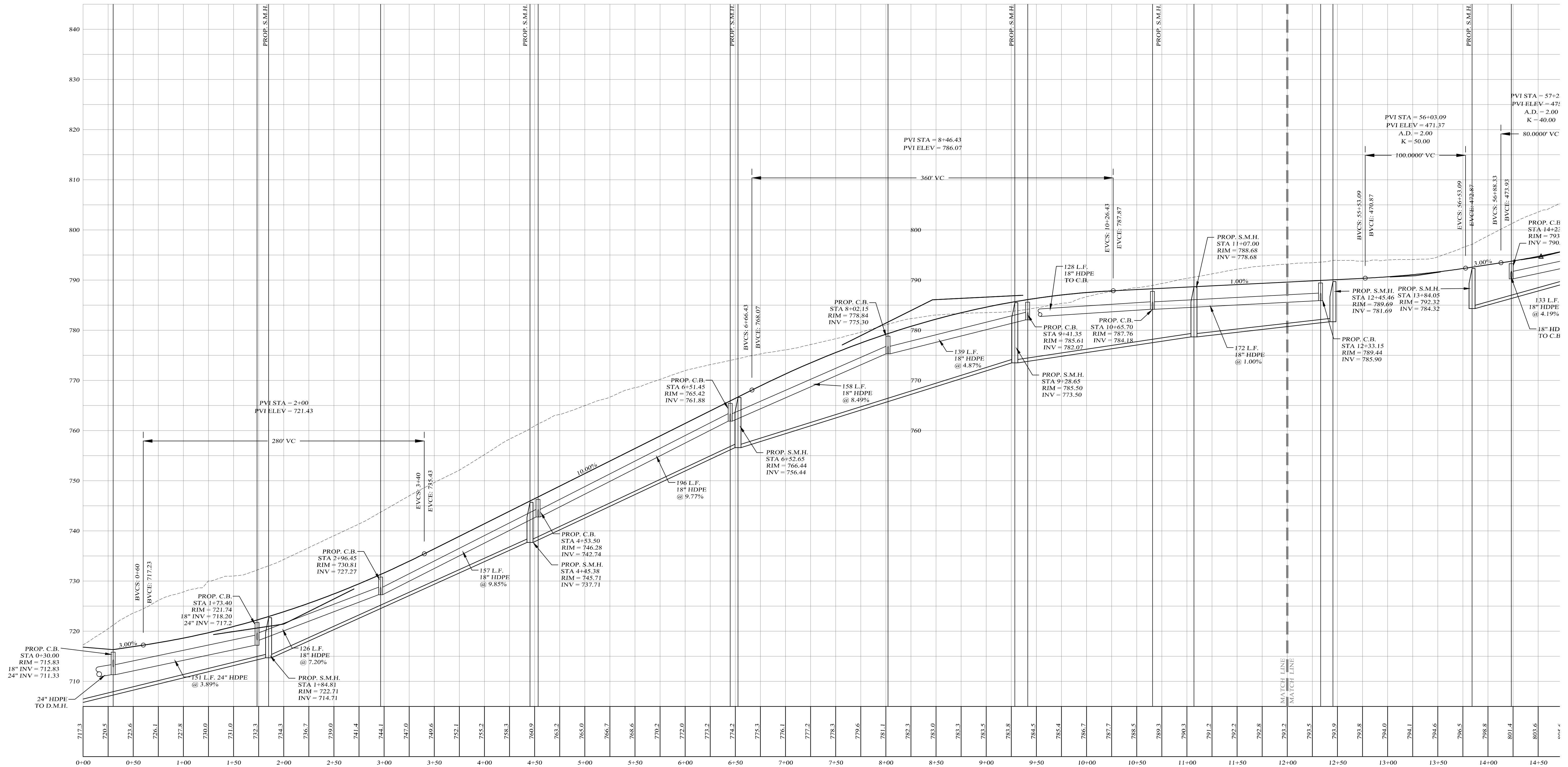
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P K1

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DATE	SCALE
14107 BASE	14107.0 AS NOTED



CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
 PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE

**ROAD L
 PROFILE**

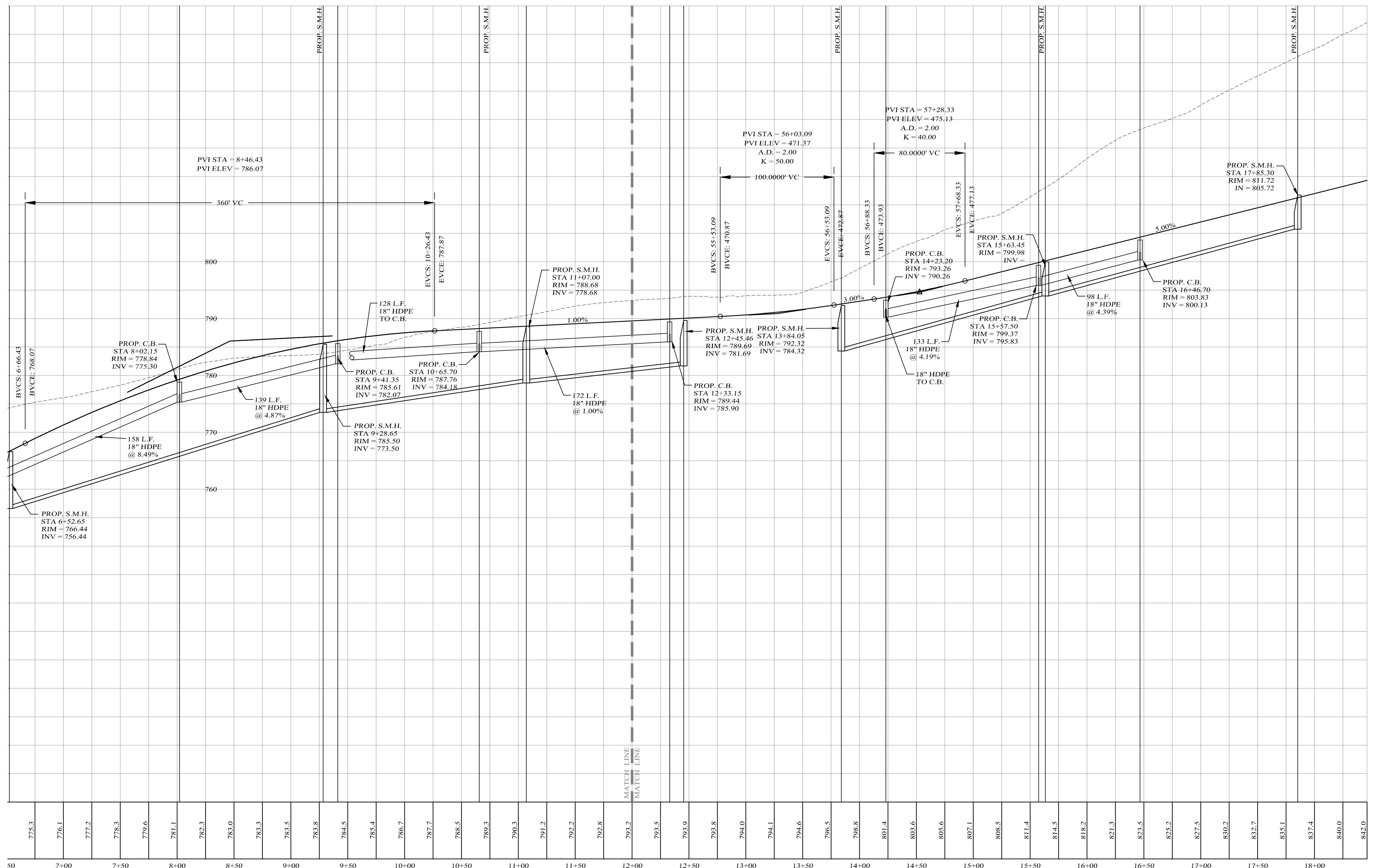
DRAWING TITLE

Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
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01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	REV. PER DEIS COMMENTS	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.		N.A.	N.A.	P L1
CAD #		PROJECT #	SCALE	
14107 BASE		14107.0	AS NOTED	

DATE	REVISIONS



CENTERLINE ROAD PROFILE

SCALES:
 HOR: 1" = 50'
 VER: 1" = 10'

LEGEND

EXISTING GRADE LINE

PROPOSED GRADE LINE

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

**ROAD L
 PROFILE**

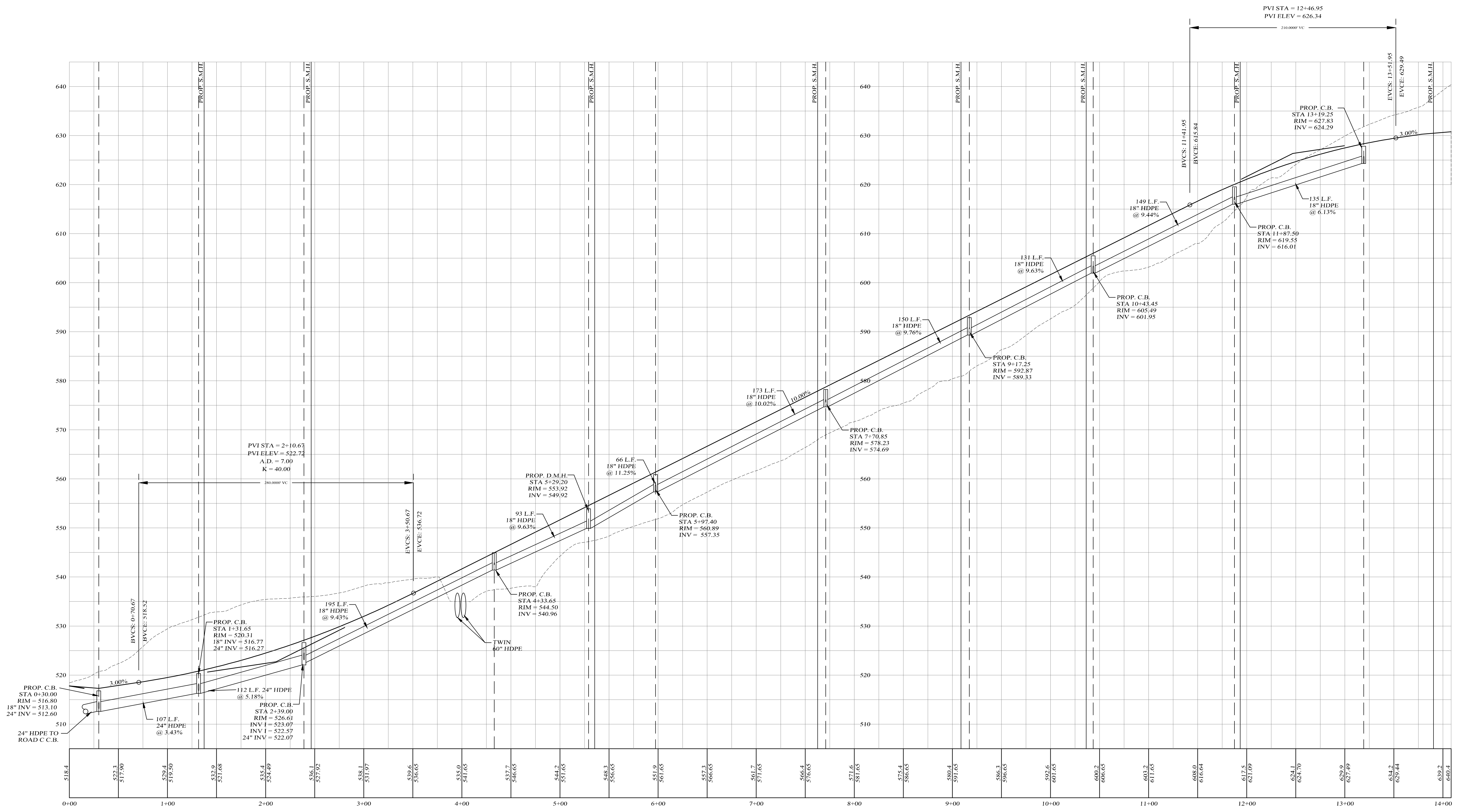
Kirk Rother, P.E.
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N.A.	N.A.	N.A.	P L2

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P L2

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CENTERLINE ROAD PROFILE

SCALES:
HOR: 1" = 50'
VER: 1" = 10'

LEGEND

EXISTING GRADE LINE
PROPOSED GRADE LINE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

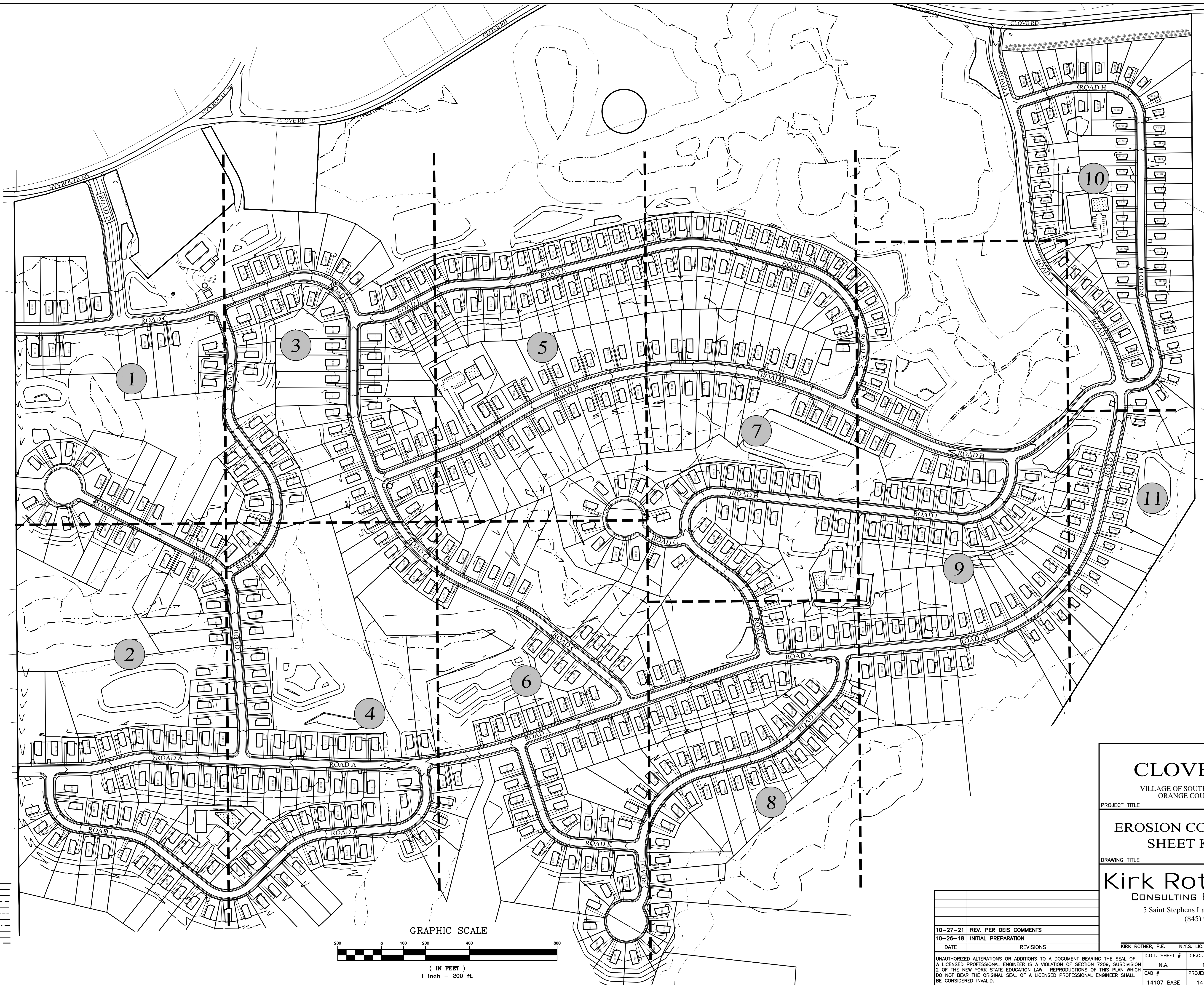
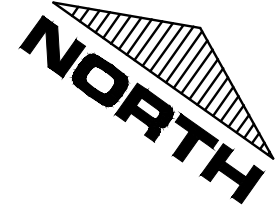
PROJECT TITLE
**ROAD M
PROFILE**

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
03-26-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P M1

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	P M1



LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- SHEET MATCH LINE

7

GRAPHIC SCALE



(IN FEET)
1 inch = 200 ft.

CLOVEWOOD

VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**EROSION CONTROL PLAN
SHEET KEY MAP**

DRAWING TITLE

Kirk Rother, P.E.

CONSULTING ENGINEER, PLLC

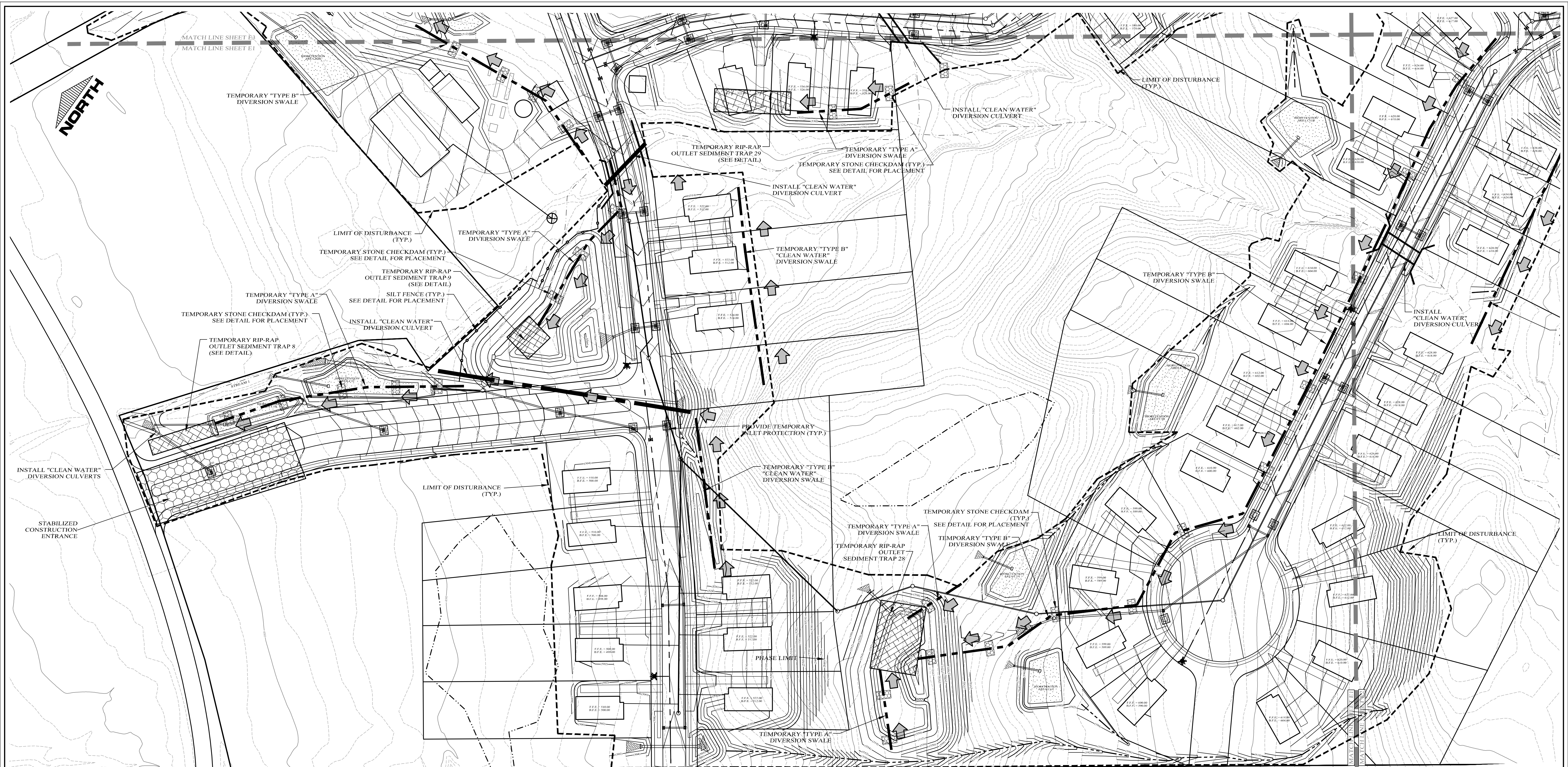
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

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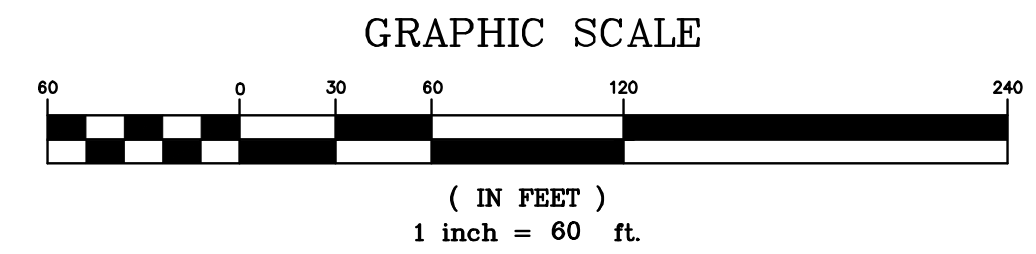
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N.A.	N.A.	N.A.	KM2
CAD #	PROJECT #	SCALE	
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LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SILT FENCE
- LIMIT OF DISTURBANCE
- CONSTRUCTION PHASE LIMIT /
- INLET PROTECTION FOR CATCH BASINS
- PROPOSED STONE CHECK DAM
- PROPOSED DIVERSION SWALE
- PROPOSED SOIL STOCKPILE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP



EROSION CONTROL NOTES:

1. SILT FENCE TO BE INSTALLED DOWNHILL OF ALL CONSTRUCTION ACTIVITY (SEE DETAIL).
2. THERE SHALL BE NO MORE THAN SACRES DISTURBED AT ONE TIME.
3. PHASES 1 THROUGH 23 INCLUDE THE PROPOSED ROADS, PONDS AND SEDIMENT TRAPS.
4. PHASE 24 AND ON SHALL INCLUDE DEVELOPMENT OF THE RESIDENTIAL LOTS, COMMUNITY BUILDINGS, SEWAGE TREATMENT PLANT, PARK AND RIDE AREAS, BUS STOPS AND ALL OTHER PROSED IMPROVEMENTS. NO PHASE SHALL EXCEED 5 ACRES AT ONE TIME.
5. CONSTRUCTION PHASE AREAS MUST BE STABILIZED BEFORE CONSTRUCTION BEGINS ON THE NEXT PHASE.

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Lands of
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VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

EROSION CONTROL PLAN

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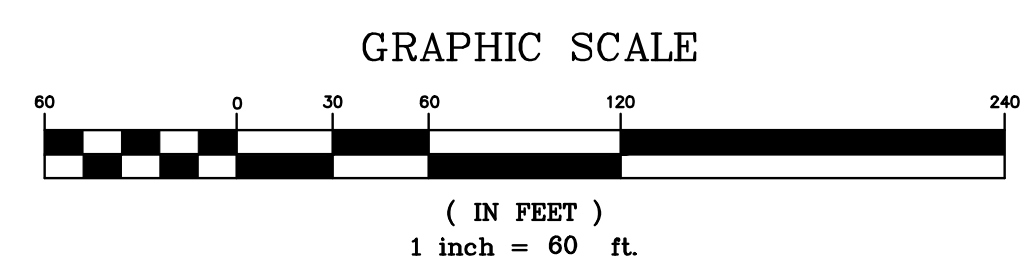
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E 1



LEGEND

EXISTING PROPERTY LINE	=====	PROPOSED SOIL STOCKPILE	
PROPOSED PROPERTY LINE	-----	PROPOSED STABILIZED CONSTRUCTION ENTRANCE	
EXISTING 10' CONTOUR LINE	-----	PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP	
EXISTING 2' CONTOUR LINE	-----		
PROPOSED CONTOUR LINE	-----		
PROPOSED EDGE OF PAVEMENT	-----		
EXISTING EDGE OF PAVEMENT	-----		
EXISTING DEC WETLANDS	-----		
EXISTING FEDERAL WETLANDS	-----		
PROPOSED EDGE OF PAVEMENT	-----		
PROPOSED SILT FENCE	-----		
LIMIT OF DISTURBANCE	-----		
CONSTRUCTION PHASE LIMIT /	-----		
INLET PROTECTION FOR CATCH BASINS	-----		
PROPOSED STONE CHECK DAM	-----		
PROPOSED DIVERSION SWALE	-----		



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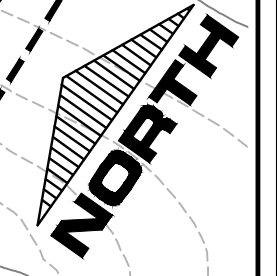
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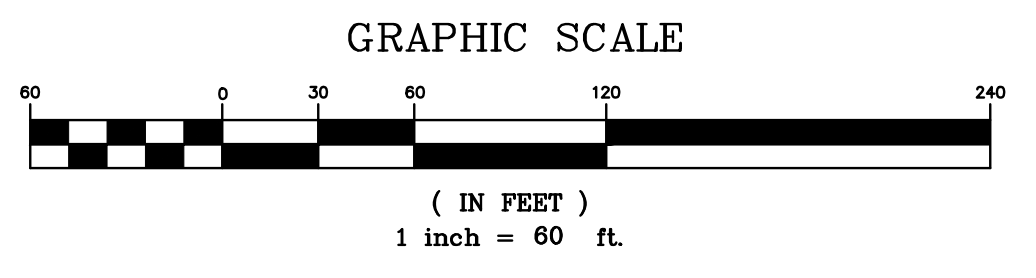
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|--|--|---|--|
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| PROPOSED PROPERTY LINE | | PROPOSED STABILIZED CONSTRUCTION ENTRANCE | |
| EXISTING 10' CONTOUR LINE | | PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP | |
| EXISTING 2' CONTOUR LINE | | | |
| PROPOSED CONTOUR LINE | | | |
| PROPOSED EDGE OF PAVEMENT | | | |
| EXISTING EDGE OF PAVEMENT | | | |
| EXISTING DEC WETLANDS | | | |
| EXISTING FEDERAL WETLANDS | | | |
| PROPOSED EDGE OF PAVEMENT | | | |
| PROPOSED SILT FENCE | | | |
| LIMIT OF DISTURBANCE | | | |
| CONSTRUCTION PHASE LIMIT / INLET PROTECTION FOR CATCH BASINS | | | |
| PROPOSED STONE CHECK DAM | | | |
| PROPOSED DIVERSION SWALE | | | |



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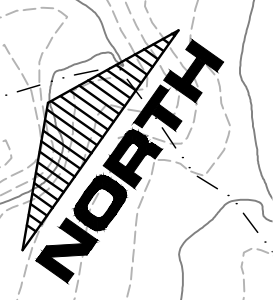
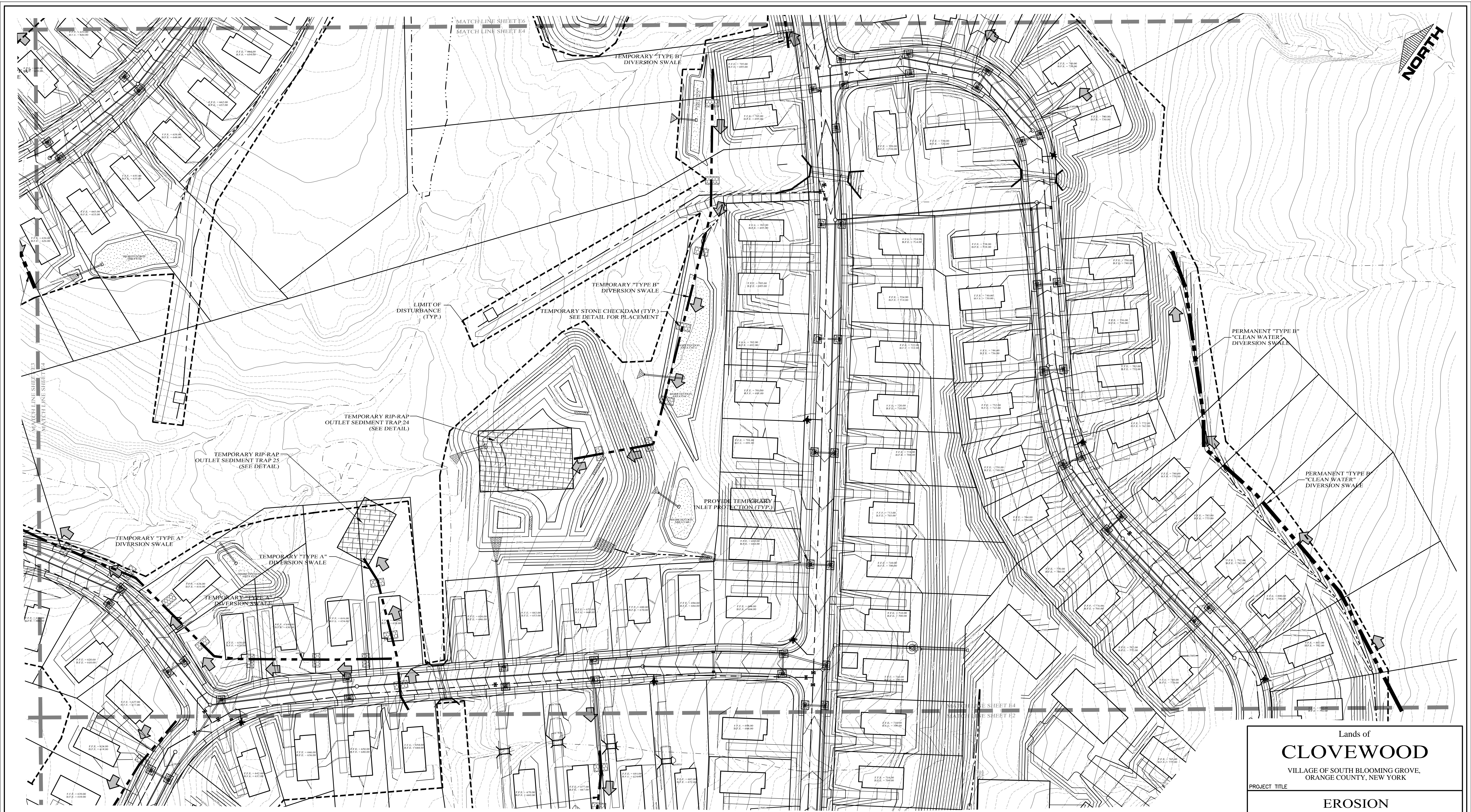
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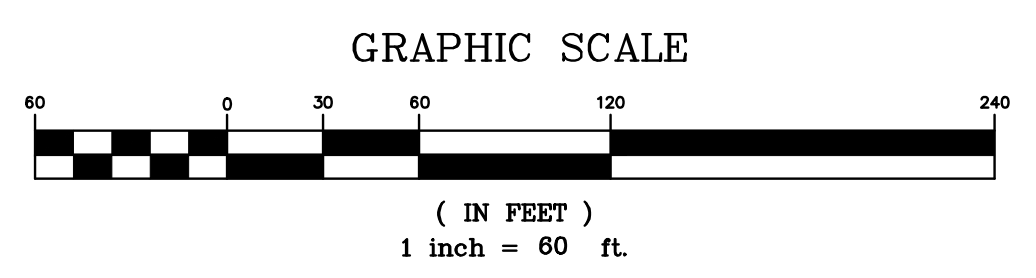
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LEGEND

- | | |
|-----------------------------------|---|
| EXISTING PROPERTY LINE | PROPOSED SOIL STOCKPILE |
| PROPOSED PROPERTY LINE | |
| EXISTING 10' CONTOUR LINE | PROPOSED STABILIZED CONSTRUCTION ENTRANCE |
| EXISTING 2' CONTOUR LINE | |
| PROPOSED CONTOUR LINE | PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP |
| PROPOSED EDGE OF PAVEMENT | |
| EXISTING EDGE OF PAVEMENT | PROPOSED DIVERSION SWALE |
| EXISTING DEC WETLANDS | |
| EXISTING FEDERAL WETLANDS | |
| PROPOSED EDGE OF PAVEMENT | |
| PROPOSED SILT FENCE | |
| LIMIT OF DISTURBANCE | |
| CONSTRUCTION PHASE LIMIT / | |
| INLET PROTECTION FOR CATCH BASINS | |
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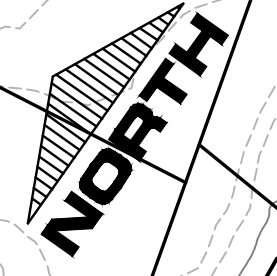
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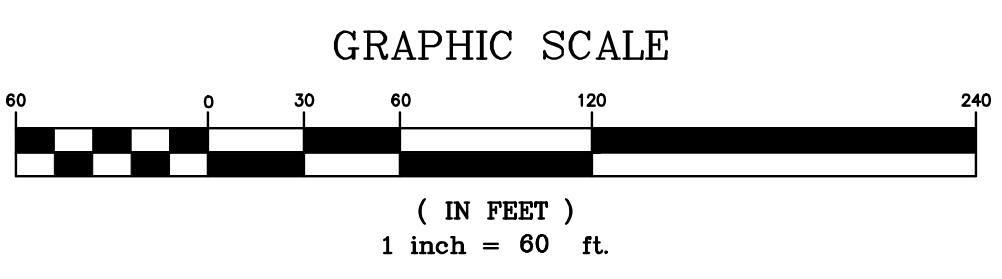
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LEGEND

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PROPOSED PROPERTY LINE	-----	PROPOSED STABILIZED CONSTRUCTION ENTRANCE	
EXISTING 10' CONTOUR LINE	-----	PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP	
EXISTING 2' CONTOUR LINE	-----		
PROPOSED CONTOUR LINE	----- (600)		
PROPOSED EDGE OF PAVEMENT	-----		
EXISTING EDGE OF PAVEMENT	-----		
EXISTING DEC WETLANDS	-----		
EXISTING FEDERAL WETLANDS	-----		
PROPOSED EDGE OF PAVEMENT	-----		
PROPOSED SILT FENCE	-----		
LIMIT OF DISTURBANCE	-----		
CONSTRUCTION PHASE LIMIT /	-----		
INLET PROTECTION FOR CATCH BASINS			
PROPOSED STONE CHECK DAM			
PROPOSED DIVERSION SWALE			



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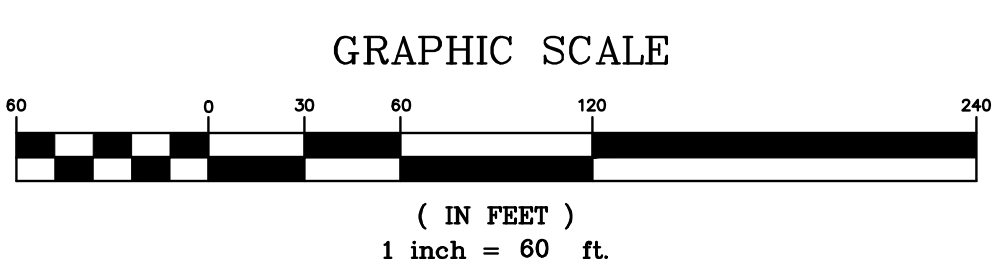
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| PROPOSED CONTOUR LINE | | | |
| PROPOSED EDGE OF PAVEMENT | | | |
| EXISTING EDGE OF PAVEMENT | | | |
| EXISTING DEC WETLANDS | | | |
| EXISTING FEDERAL WETLANDS | | | |
| PROPOSED EDGE OF PAVEMENT | | | |
| PROPOSED SILT FENCE | | | |
| LIMIT OF DISTURBANCE | | | |
| CONSTRUCTION PHASE LIMIT / | | | |
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| PROPOSED STONE CHECK DAM | | | |
| PROPOSED DIVERSION SWALE | | | |



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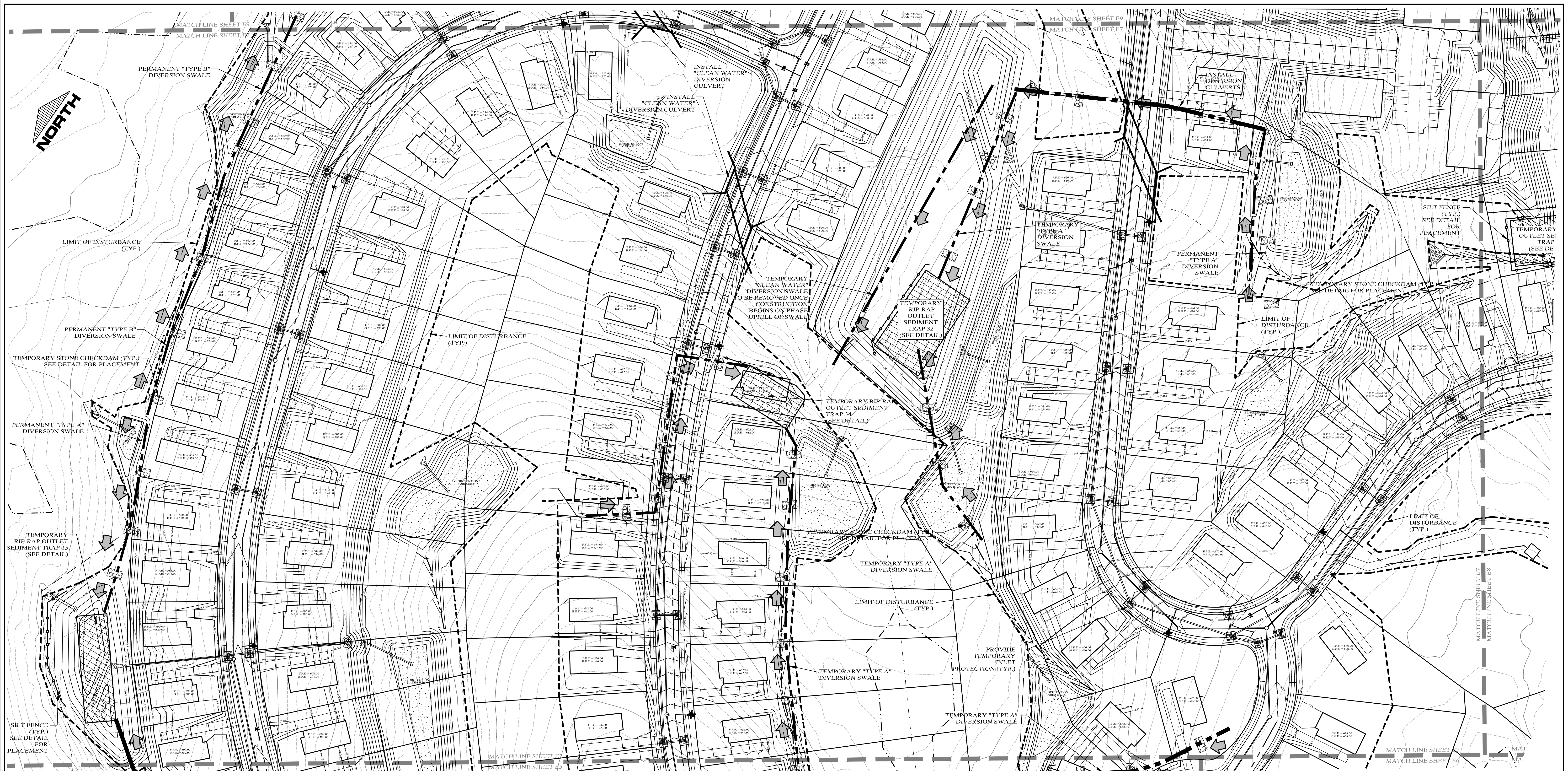
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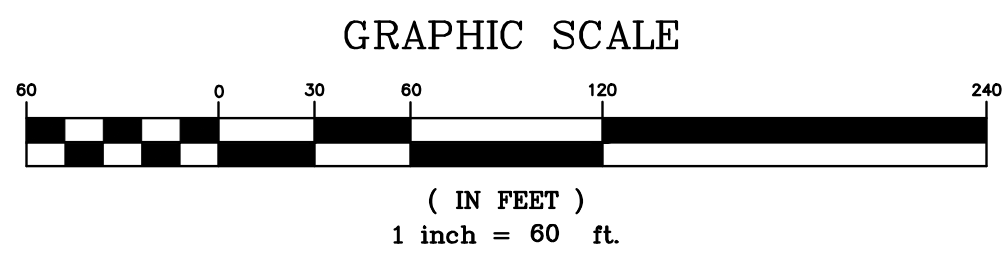
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EXISTING 2' CONTOUR LINE			
PROPOSED CONTOUR LINE			
PROPOSED EDGE OF PAVEMENT			
EXISTING EDGE OF PAVEMENT			
EXISTING FEDERAL WETLANDS			
PROPOSED EDGE OF PAVEMENT			
PROPOSED SILT FENCE			
LIMIT OF DISTURBANCE			
CONSTRUCTION PHASE LIMIT / INLET PROTECTION FOR CATCH BASINS			
PROPOSED STONE CHECK DAM			
PROPOSED DIVERSION SWALE			



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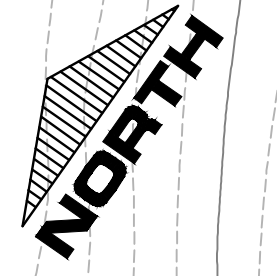
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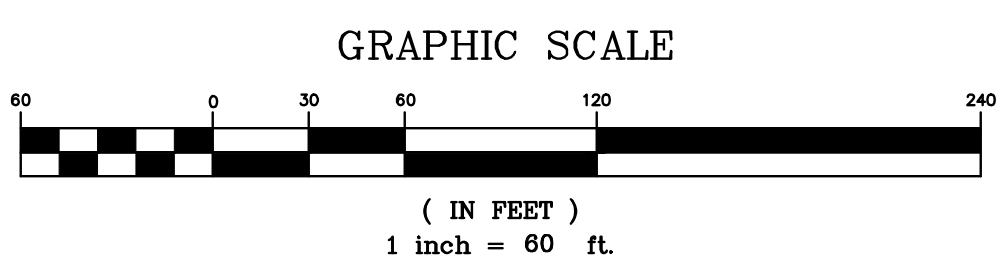
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PROPOSED PROPERTY LINE		PROPOSED STABILIZED CONSTRUCTION ENTRANCE	
EXISTING 10' CONTOUR LINE		PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP	
EXISTING 2' CONTOUR LINE			
PROPOSED CONTOUR LINE			
PROPOSED EDGE OF PAVEMENT			
EXISTING EDGE OF PAVEMENT			
EXISTING DIC WETLANDS			
EXISTING FEDERAL WETLANDS			
PROPOSED SILT FENCE			
PROPOSED LIMIT OF DISTURBANCE			
CONSTRUCTION PHASE LIMIT / INLET PROTECTION FOR CATCH BASINS			
PROPOSED STONE CHECK DAM			
PROPOSED DIVERSION SWALE			



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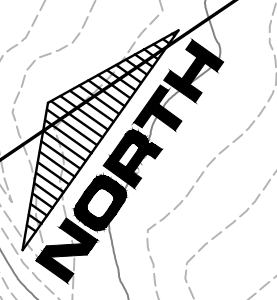
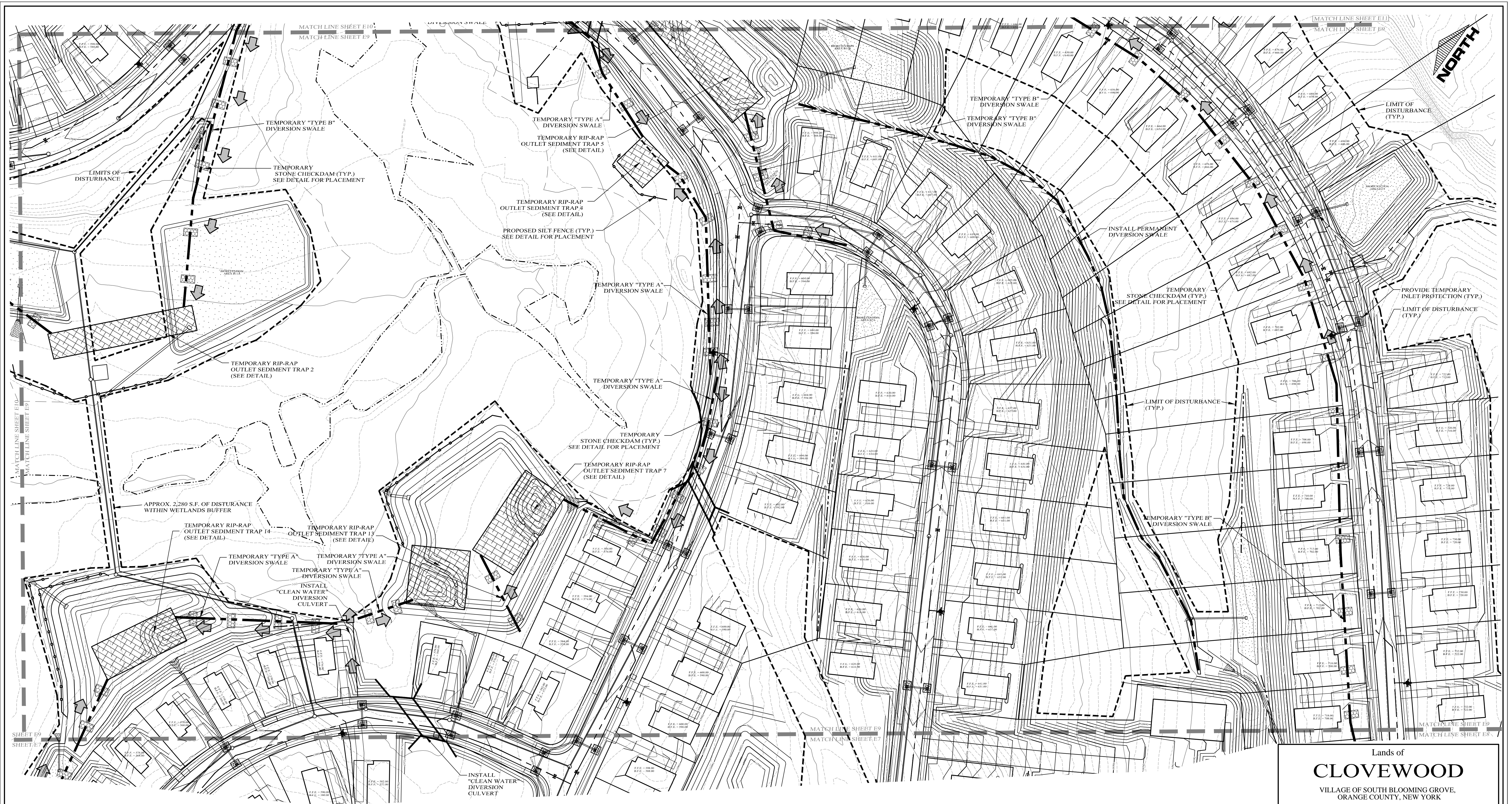
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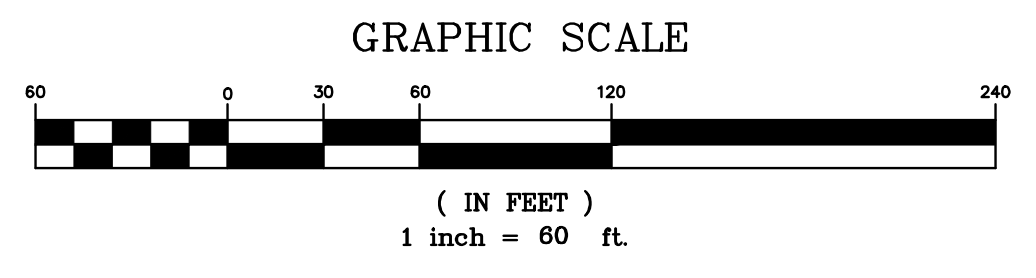
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- PROPOSED PROPERTY LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SILT FENCE
- LIMIT OF DISTURBANCE
- CONSTRUCTION PHASE LIMIT / INLET PROTECTION FOR CATCH BASINS
- PROPOSED STONE CHECK DAM
- PROPOSED DIVERSION SWALE
- PROPOSED SOIL STOCKPILE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP



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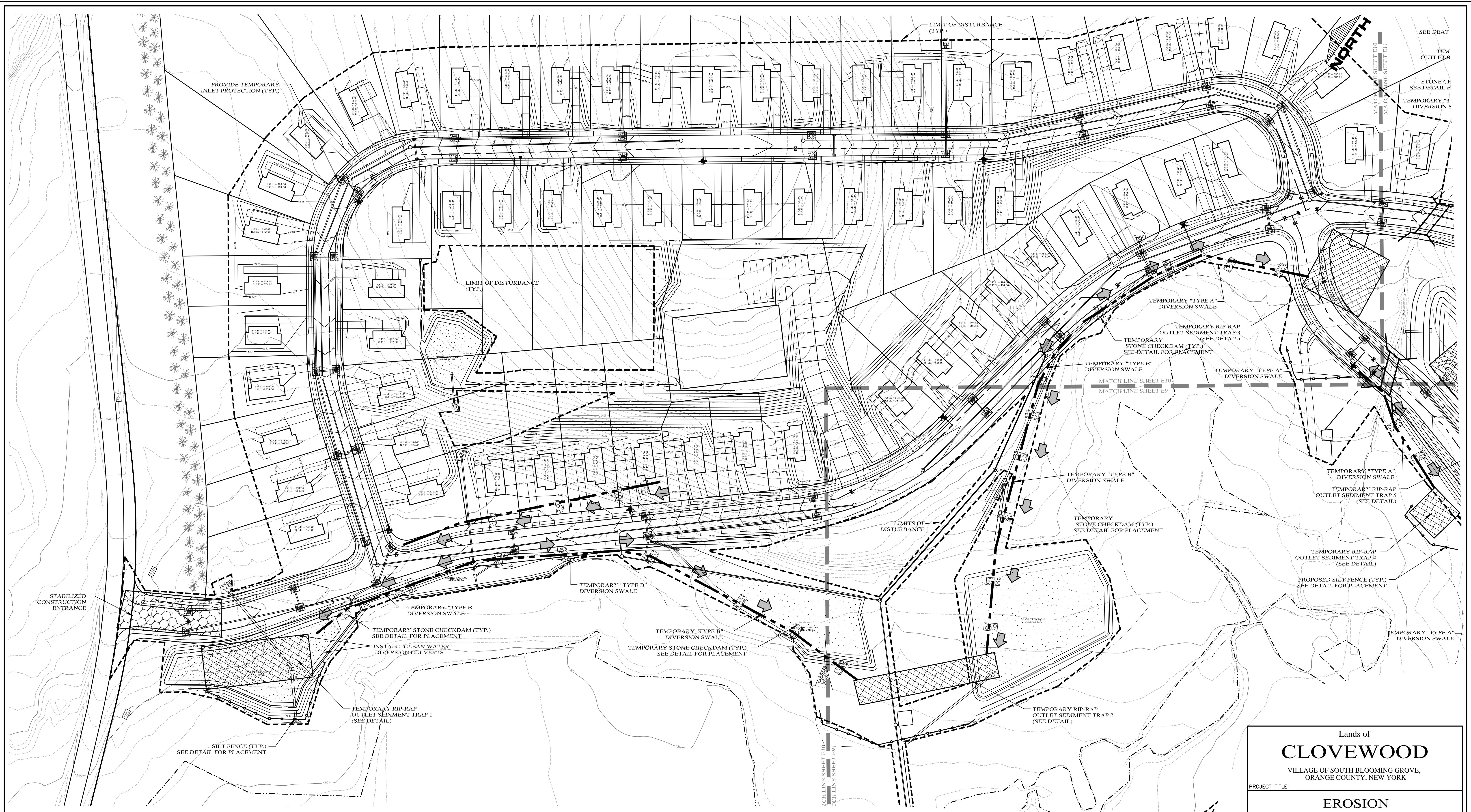
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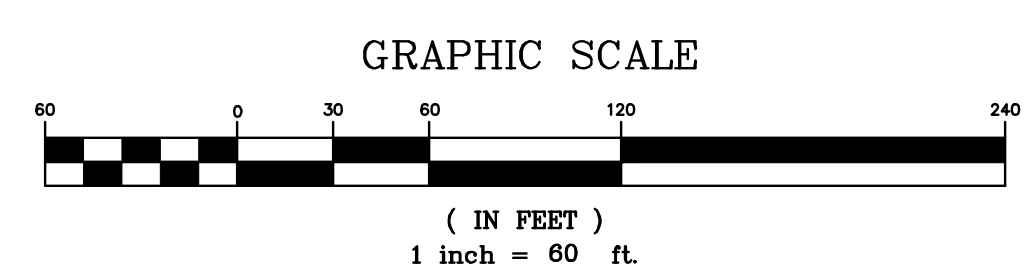
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LEGEND

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- PROPOSED PROPERTY LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SILT FENCE
- LIMIT OF DISTURBANCE
- CONSTRUCTION PHASE LIMIT /
- INLET PROTECTION FOR CATCH BASINS
- PROPOSED STONE CHECK DAM
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EROSION CONTROL PLAN

DRAWING TITLE

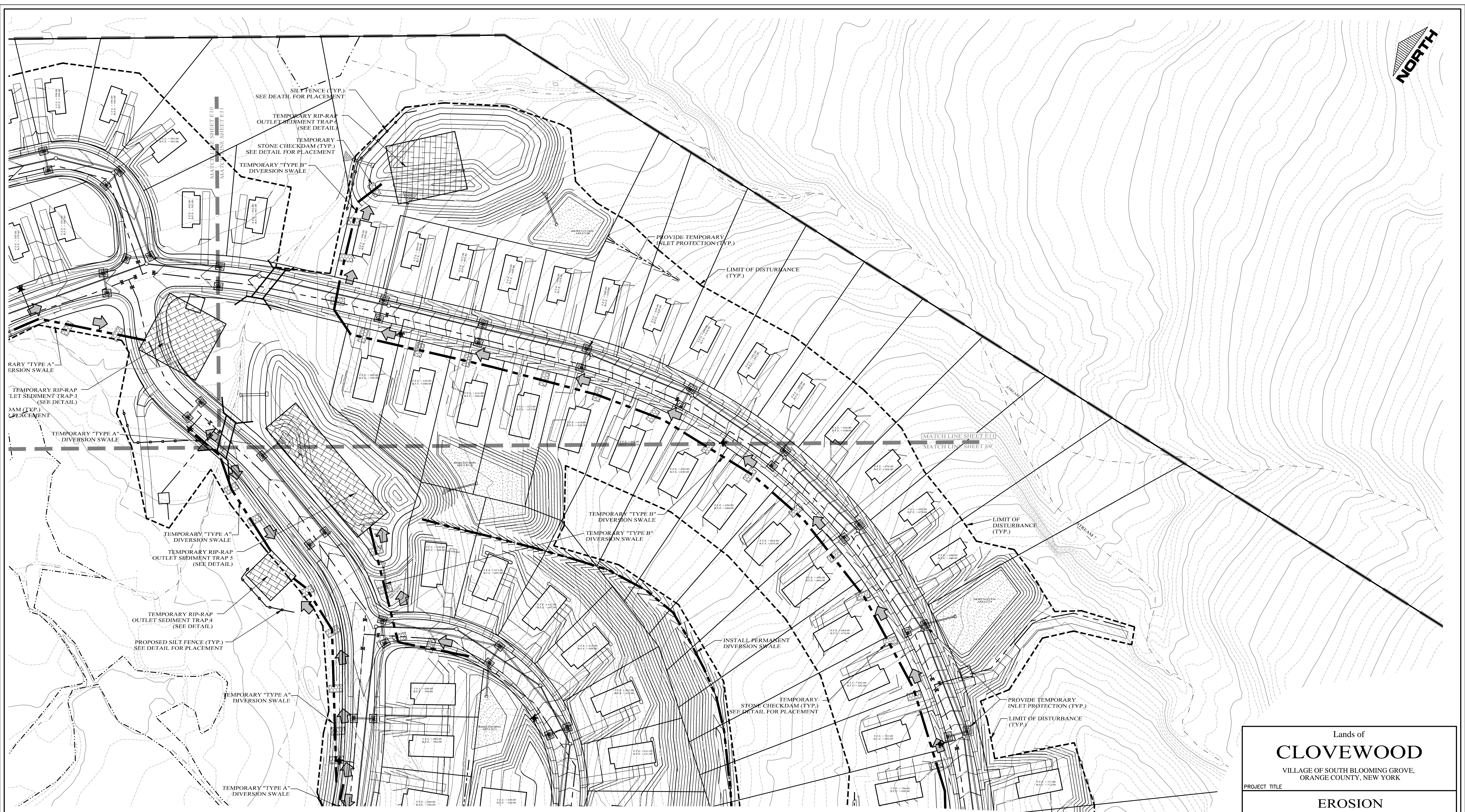
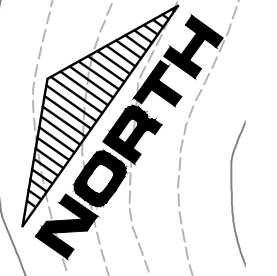
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
10-27-21	REV. PER DEIS COMMENTS			
01-29-19	PRELIMINARY DESIGN			
08-01-18	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	E 10
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

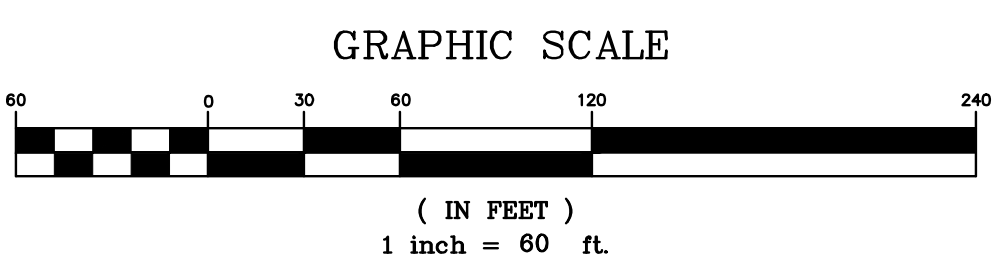
DATE	REVISIONS

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LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- PROPOSED CONTOUR LINE (600)
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING DEC WETLANDS
- EXISTING FEDERAL WETLANDS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SILT FENCE
- LIMIT OF DISTURBANCE
- CONSTRUCTION PHASE LIMIT / INLET PROTECTION FOR CATCH BASINS
- PROPOSED STONE CHECK DAM
- PROPOSED DIVISION SWALE
- PROPOSED SOIL STOCKPILE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP



Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**EROSION
CONTROL
PLAN**

DRAWING TITLE

Kirk Rother, P.E.
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5 Saint Stephens Lane, Warwick NY 10990
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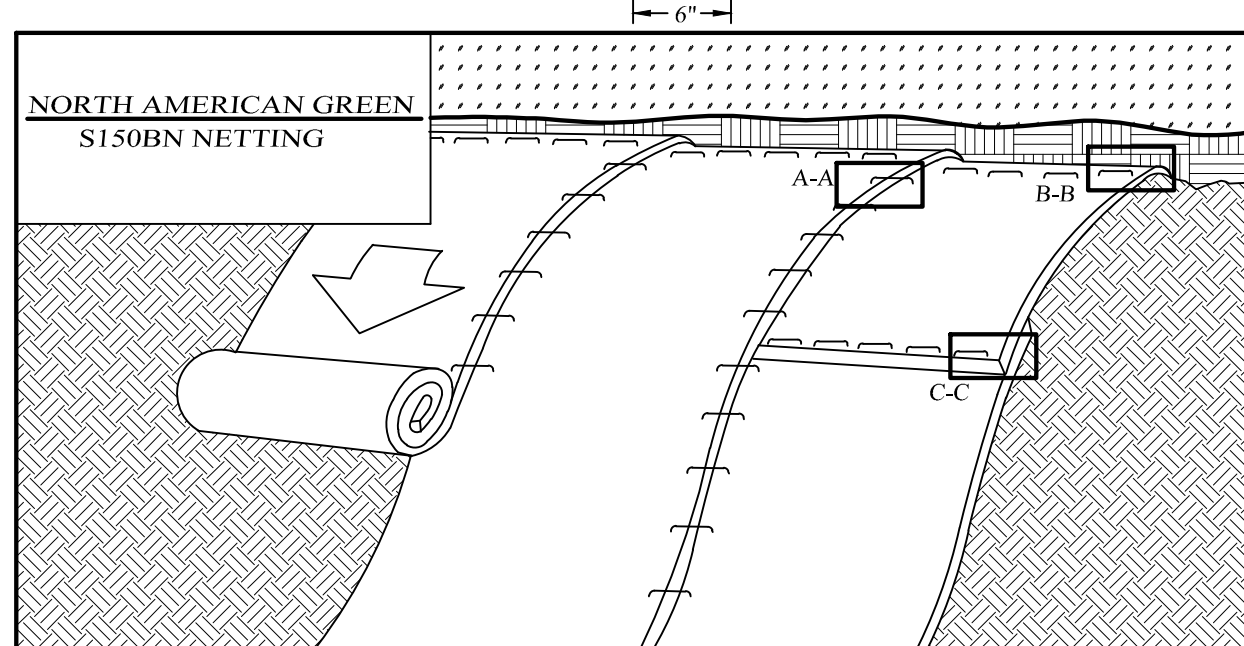
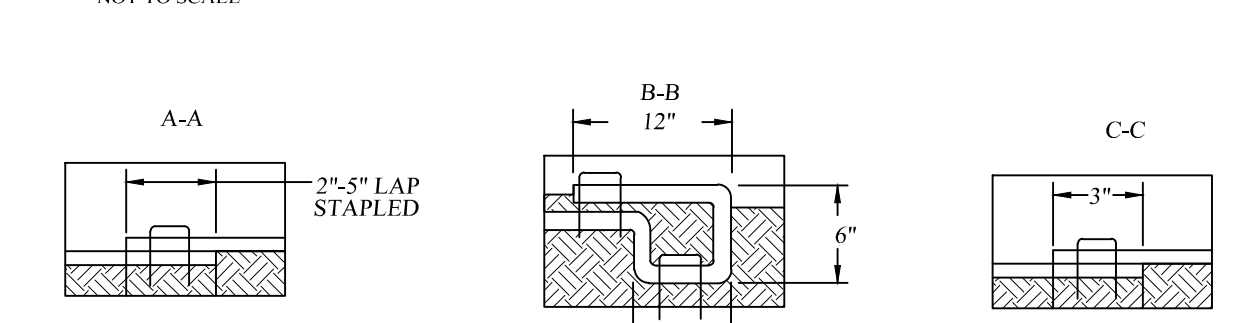
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
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FENCE PROPERTIES	MINIMUM VALUE	STANDARD	
GRAB TENSILE STRENGTH (LBS)	90	ASTM D1682	2" x 2" FENCE POST SPACED 8'-0" O.C. MAX.
ELONGATION AT FAILURE (%)	50	ASTM D1682	3/4" WIDE GEOTEXTILE SPECIFIED FOR USE AS SILT FENCE
MULEN BURST STRENGTH (PSI)	190	ASTM D3786	
PUNCTURE STRENGTH (LBS)	40	ASTM D751 (MODIFIED)	DIG 6" WIDE x 6" DEEP TRENCH BURY BOTTOM 10" OF FABRIC
SLURRY FLOW RATE (GAL./MIN/SF)	0.3		GRADE
EQUIVALENT OPENING SIZE	40-80	US STD SIEVE CW-02215	
ULTRAVIOLET RADIATION STABILITY (%)	90	ASTM G-26	

SLOPE STEEPNESS	MAXIMUM FENCE SPACING (FT)
2:1	50
3:1	75
4:1	125
5:1	175
FLATTER THAN 5:1	200

FILTER FABRIC SILT FENCE DETAIL
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPs), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARATION AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN. A MINIMUM OF 4 INCHES OF TOPSOIL SHALL BE ADDED PRIOR TO STABILIZATION.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPs IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECPs EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPs WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECPs BACK OVER SEED AND COMPACTED SOIL. SECURE RECPs OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECPs.
- ROLL THE RECPs (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPs WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPs MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECPs MUST BE STAPLED WITH APPROXIMATELY 2" x 5" (5 CM x 12.5 CM) OVERLAP DEPENDING ON RECPs TYPE.
- CONSECUTIVE RECPs SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECPs WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECPs.

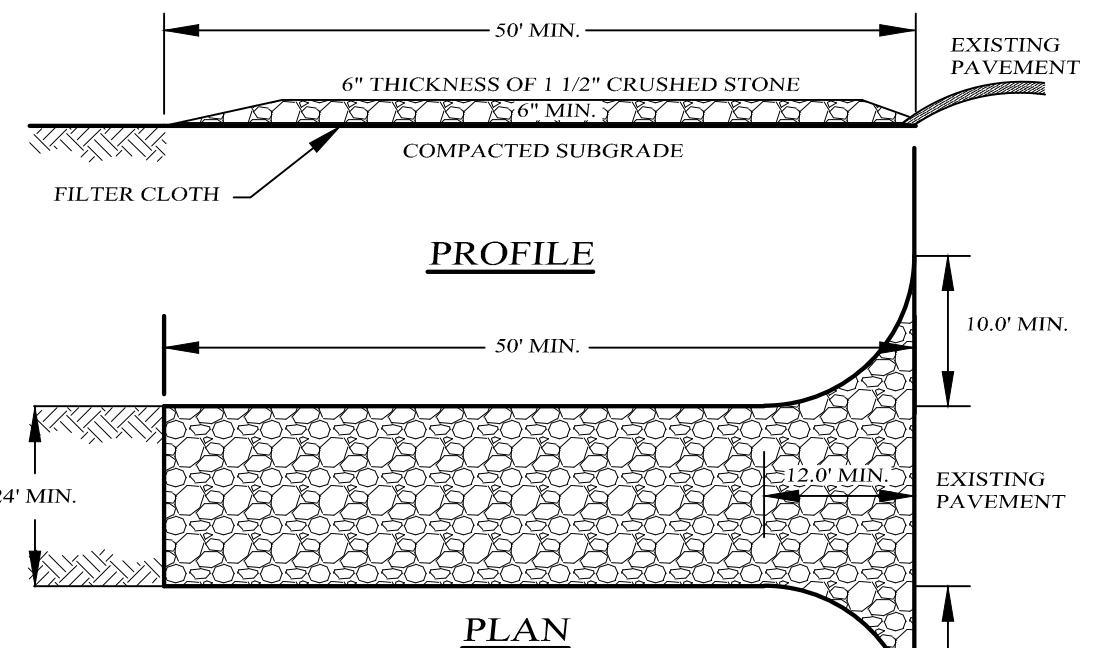
ROLLED EROSION CONTROL MATTING SLOPE STABILIZATION DETAIL
NOT TO SCALE

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS		SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS)	
SPECIES	APPLICATION RATE	SPECIES	APPLICATION RATE
EMPIRE BIRDSFOOT TREFOIL	8 LBS/ACRE	80% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND	30 LBS/ACRE
TALL FESCUE	20 LBS/ACRE	20% PERENNIAL RYEGRASS	5 LBS/ACRE
	5 LBS/ACRE		

GENERAL RECREATION AREAS AND LAWNS		SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVELY DRAINED SOILS)	
SPECIES	APPLICATION RATE	SPECIES	APPLICATION RATE
65% KENTUCKY BLUEGRASS BLEND	85-114 LBS/ACRE	65% FINE FESCUE	144-143 LBS/ACRE
20% PERENNIAL RYEGRASS	26-35 LBS/ACRE	15% PERENNIAL RYEGRASS	26-33 LBS/ACRE
15% FINE FESCUE	19-26 LBS/ACRE	20% KENTUCKY BLUEGRASS BLEND	35-44 LBS/ACRE

SLOPE STABILIZATION SEEDING METHOD & MULCHING
SLOPES OF 4:1 OR GREATER (HORIZONTAL VERTICAL)
SLOPES SHALL BE HYDROSEEDED WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED WITH 600# GREEN NETTING AS MANUFACTURED BY ROLANKA INTERNATIONAL OR APPROVED EQUIVALENT. NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

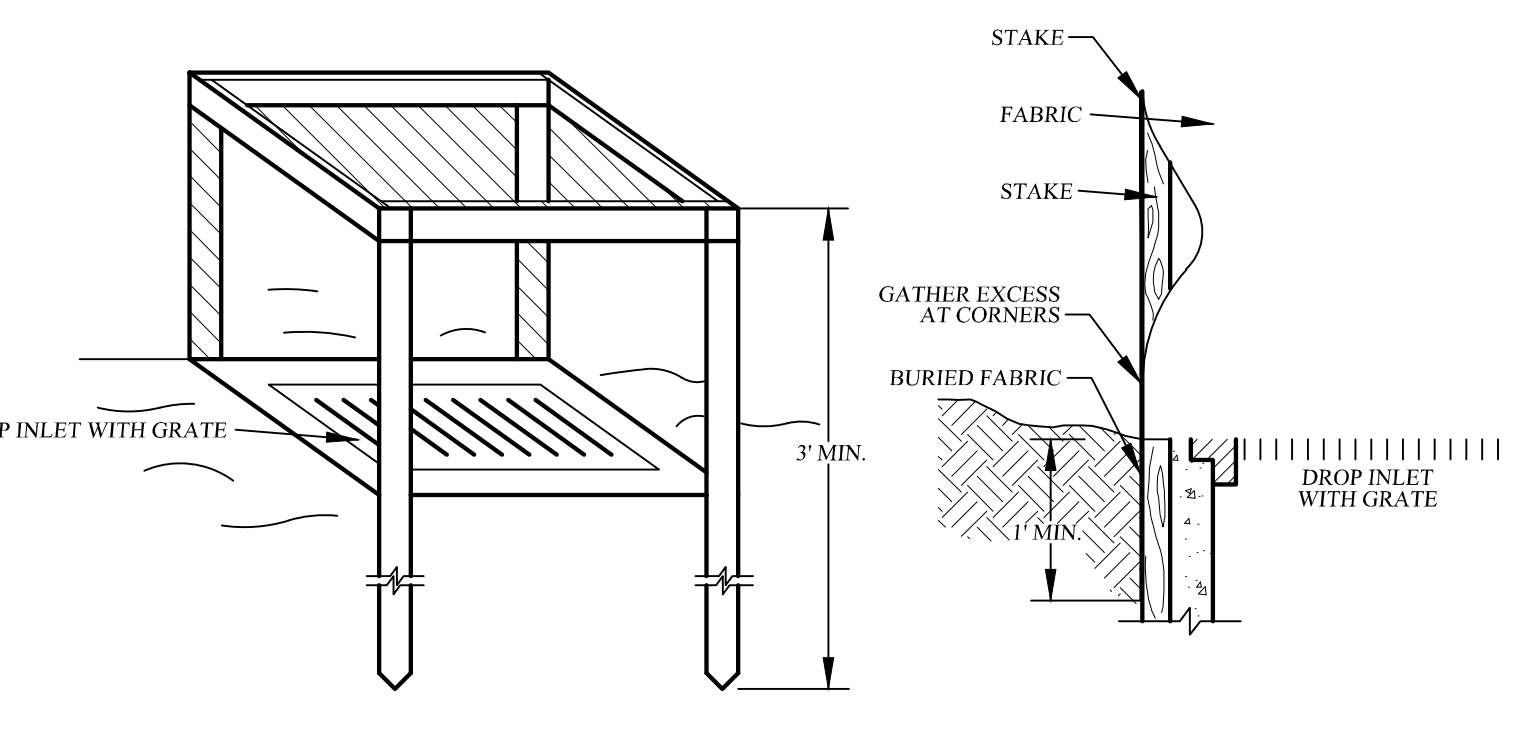
TOPSOIL STOCKPILE DETAIL
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

- ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC R.O.W.
- A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHERE A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. THE BLANKET SHALL BE COMPOSED OF 6" DEPTH OF 1/2" CRUSHED STONE. SHALL BE AT LEAST 24" x 50' FOR ROAD ENTRANCES AND 12" x 25' FOR DRIVEWAYS, AND SHALL BE PLACED ON COMPACTED SUBGRADE.
- A FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

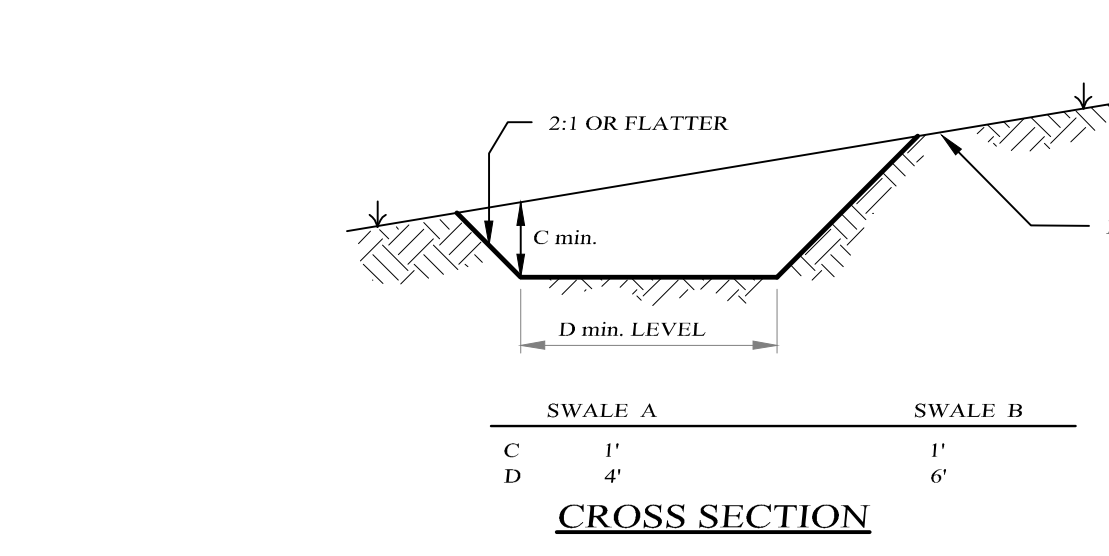
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

- FILTER FABRIC SHALL HAVE AN FOS OF 40-65. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM OF 18" DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.

FILTER FABRIC DROP INLET PROTECTION
NOT TO SCALE



CONSTRUCTION SPECIFICATIONS:

- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE OR OTHER REGULATORY AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBSTRUCTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH IMPED NORMAL FLOW.
- ALL FILLS ARE TO BE MECHANICALLY COMPACTED.
- ALL EARTH REMOVED AND NOT NEEDED SHALL BE PLACED AS NOT TO INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- REFER TO PLAN FOR STABILIZATION OF FLOW CHANNEL.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC OR LESS)	B (5 AC-10 AC)
1.	0.5-3.0	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2.	3.1-8.0	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELISOR
3.	5.1-8.0	SEED WITH JUTE OR EXCELISOR/SOIL	LINED RIP-RAP 4-8"
4.	8.1-20	LINED 4-8" RIP-RAP	RECYCLED CONCRETE EQUIVALENT ENGINEERED DESIGN

TEMPORARY DIVERSION SWALE DETAIL
NOT TO SCALE

PERMANENT SEEDING MIXTURES

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS

SPECIES: EMPIRE BIRDSFOOT TREFOIL, TALL FESCUE

APPLICATION RATE: 8 LBS/ACRE, 20 LBS/ACRE, 5 LBS/ACRE

GENERAL RECREATION AREAS AND LAWNS

SPECIES: 65% KENTUCKY BLUEGRASS BLEND, 20% PERENNIAL RYEGRASS, 15% FINE FESCUE

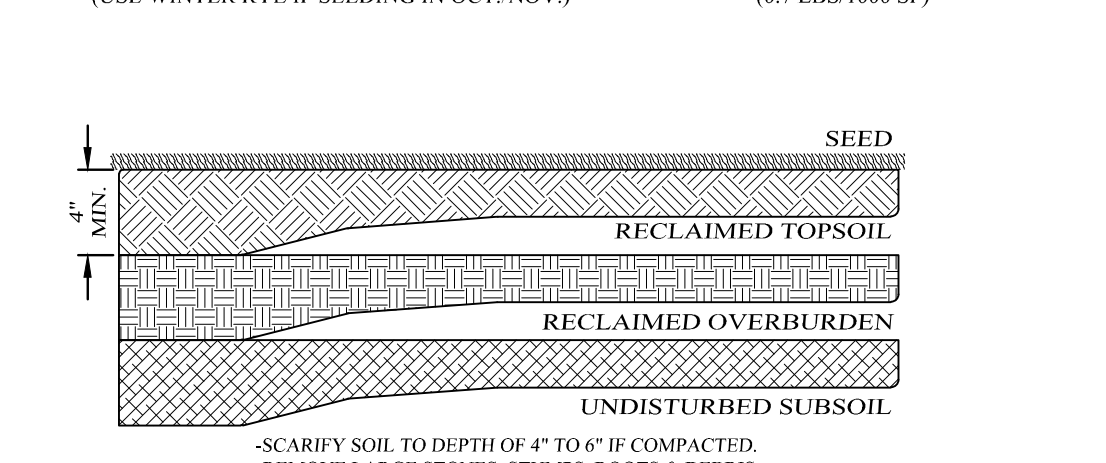
APPLICATION RATE: 85-114 LBS/ACRE, 26-35 LBS/ACRE, 19-26 LBS/ACRE

SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVELY DRAINED SOILS)

SPECIES: 65% FINE FESCUE, 15% PERENNIAL RYEGRASS, 20% KENTUCKY BLUEGRASS BLEND

APPLICATION RATE: 144-143 LBS/ACRE, 26-33 LBS/ACRE, 35-44 LBS/ACRE

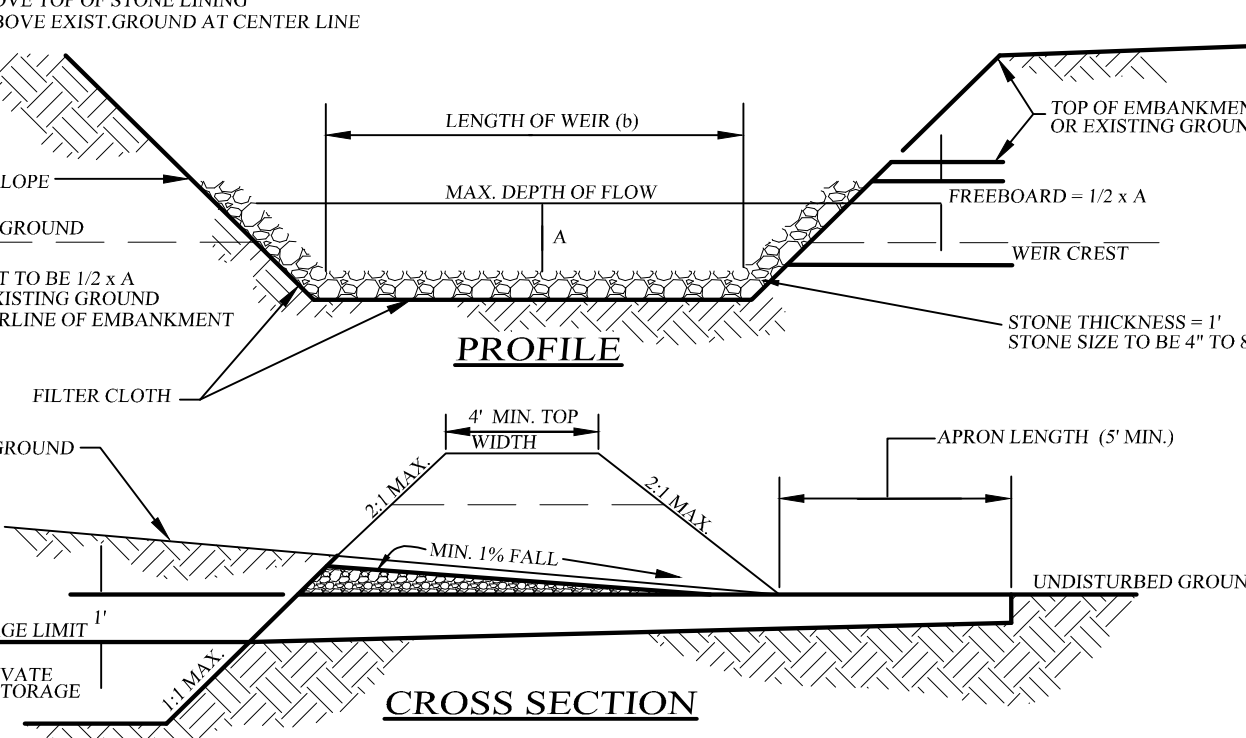
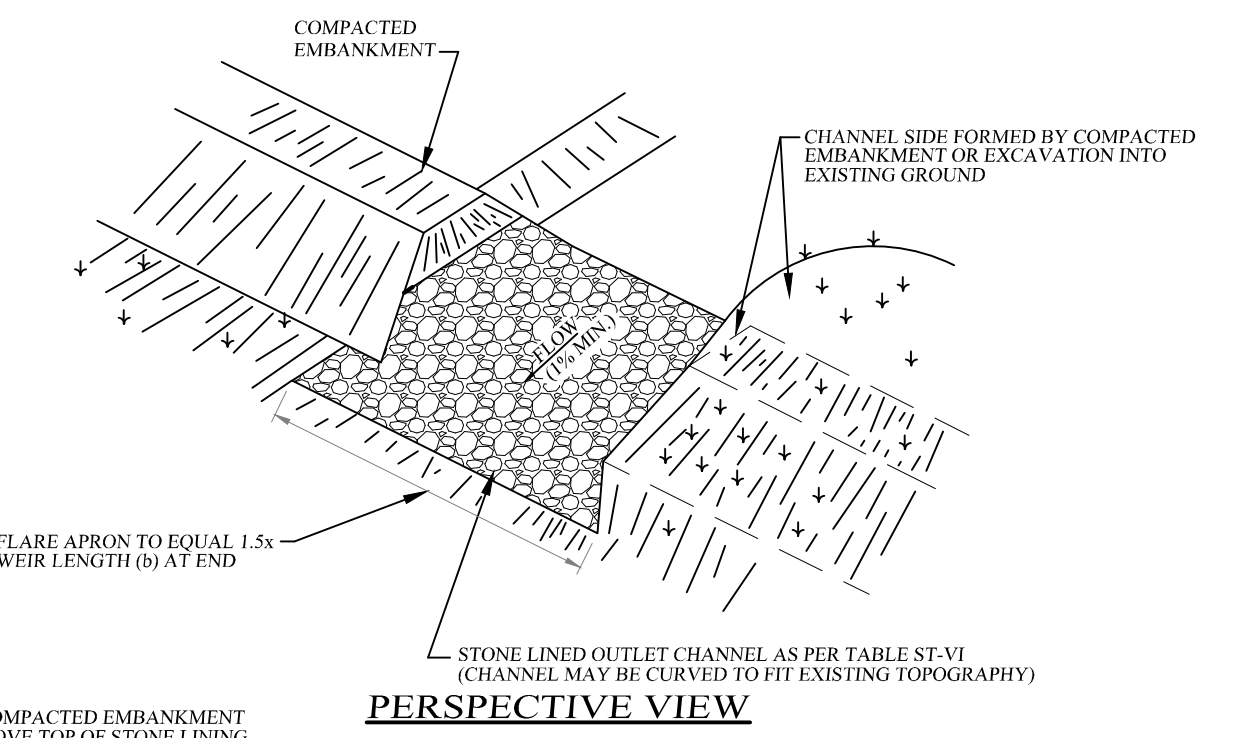
TEMPORARY SEEDING SPECIFICATIONS
AREAS REMAINING DISTURBED FOR 14 DAYS OR MORE SHALL BE STABILIZED AS FOLLOWS:
SCARIFY SOIL IF COMPACTED, LIME TO pH OF 6.0 IF REQUIRED, FERTILIZE WITH 600 LBS/ACRE 5-16-10 FERTILIZER IF REQ. SEED WITH SPECIES AND RATE SHOWN BELOW.
MULCH WITH HAY OR STRAW AT A RATE OF 2 TONS/ACRE. ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.



RECLAMATION DETAIL
NOT TO SCALE

RIPRAP OUTLET SEDIMENT TRAP CONSTRUCTION SPECIFICATIONS:

- THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. MAXIMUM HEIGHT OF EMBANKMENT SHALL BE FIVE (5) FEET, MEASURED AT CENTERLINE OF EMBANKMENT.
- ALL FILL SLOPES SHALL BE 2:1 OR FLATTER. CUT SLOPES 1:1 OR FLATTER.
- ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST BE EQUAL OR EXCEED HEIGHT OF EMBANKMENT.
- STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME AVAILABLE BEHIND THE OUTLET CHANNEL UP TO AN ELEVATION OF ONE (1) FOOT BELOW THE WEIR CREST.
- FILTER CLOTH SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO PLACEMENT OF STONE. SECTIONS OF FABRIC MUST OVERLAP AT LEAST ONE (1) FOOT WITH SECTION NEAREST ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.
- STONE USED IN THE OUTLET CHANNEL SHALL BE FOUR (4) TO EIGHT (8) INCHES (RIP RAP). TO PROVIDE A FILTERING EFFECT, A LAYER OF FILTER CLOTH SHALL BE EMBEDDED ONE (1) FOOT WITH SECTION NEAREST ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST SIX (6) INCHES INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND SHALL BE REPAIRED AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- DRAINAGE AREA FOR THIS PRACTICE IS LIMITED TO 15 ACRES.



RIPRAP OUTLET SEDIMENT TRAP
NOT TO SCALE
MAX. DRAINAGE AREA = 15 ACRES

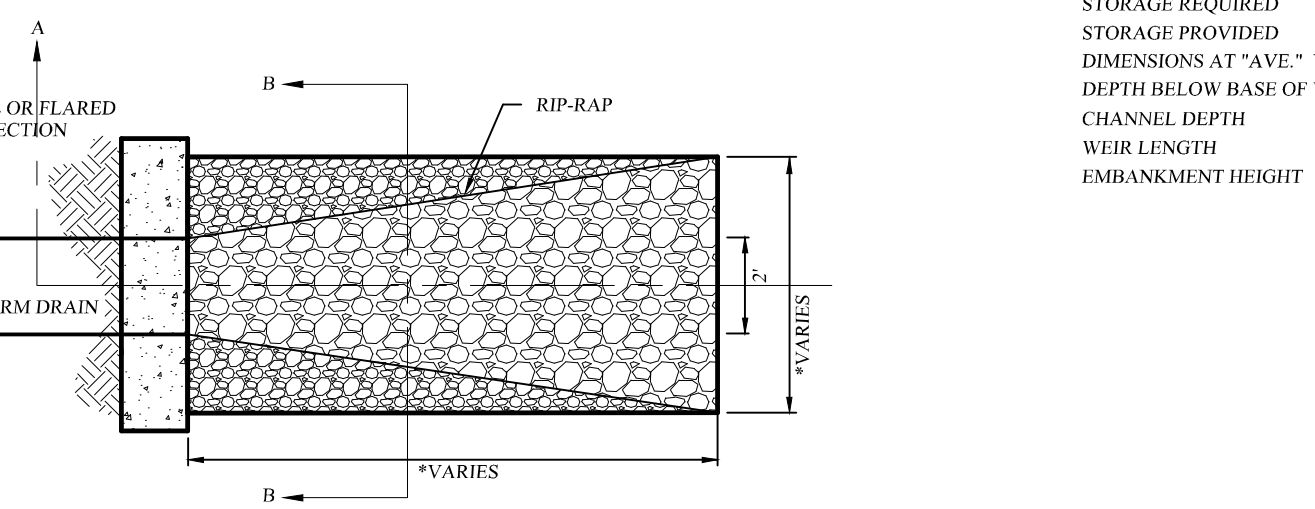
SEDIMENT TRAP CRITERIA

TRAP #1	TRAP #2	TRAP #3	TRAP #4	TRAP #5	TRAP #6	TRAP #7	TRAP #8	TRAP #9
11.6± ACRES	7.6± ACRES	9.5± ACRES	3± ACRES	15± ACRES	11± ACRES	11± ACRES	2.5± ACRES	1.5± ACRES
41,760 cu. ft.	27,360 cu. ft.	34,200 cu. ft.	18,800 cu. ft.	54,000 cu. ft.	39,600 cu. ft.	39,600 cu. ft.	9,000 cu. ft.	5,400 cu. ft.
150' x 60'	200' x 30'	90' x 90'	50' x 50'	200' x 50'	100' x 80'	130' x 65'	95' x 20'	40' x 40'
4"	4"	4"	4"	4"	4"	4"	4"	4"
1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
5'	5'	5'	5'	5'	5'	5'	5'	5'
5'	5'	5'	5'	5'	5'	5'	5'	5'

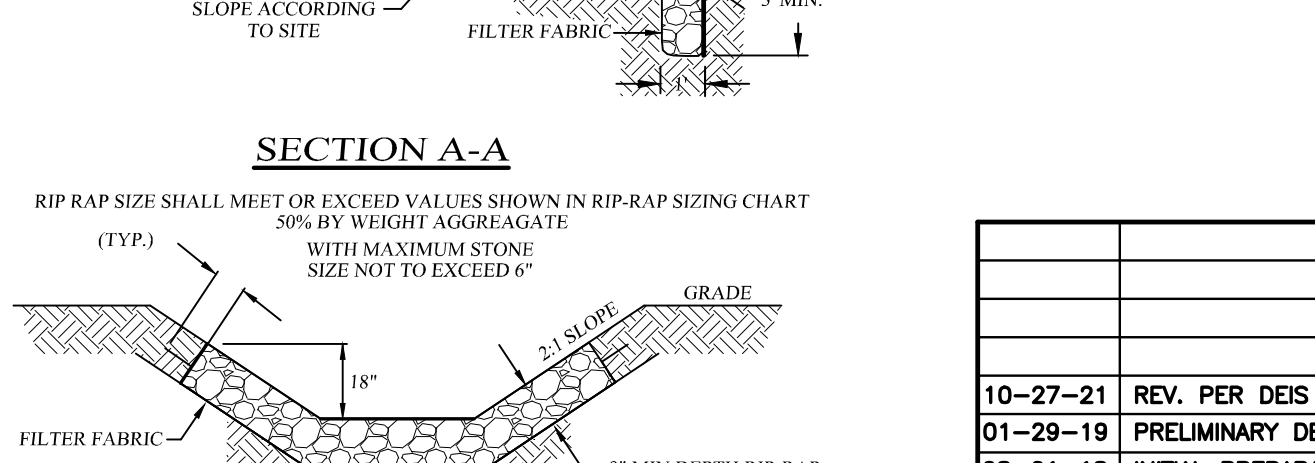
TRAP #10	TRAP #11	TRAP #12	TRAP #13	TRAP #14	TRAP #15	TRAP #16	TRAP #17	TRAP #18
6± ACRES	14± ACRES	14.5± ACRES	7± ACRES	8± ACRES	7± ACRES	10± ACRES	7.5± ACRES	7± ACRES
21,600 cu. ft.	50,400 cu. ft.	54,000 cu. ft.	25,200 cu. ft.	28,000 cu. ft.	28,000 cu. ft.	39,600 cu. ft.	23,400 cu. ft.	23,400 cu. ft.
150' x 30'	180' x 60'	220' x 50'	80' x 80'	120' x 50'	140' x 40'	130' x 60'	100' x 60'	75' x 70'
4"	4"	4"	4"	4"	4"	4"	4"	4"
1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
5'	5'	5'	5'	5'	5'	5'	5'	5'
5'	5'	5'	5'	5'	5'	5'	5'	5'

TRAP #19	TRAP #20	TRAP #21	TRAP #22	TRAP #23	TRAP #24	TRAP #25	TRAP #26	TRAP #27
3± ACRES	8.5± ACRES	6.5± ACRES	7± ACRES	4± ACRES	14.5± ACRES	5± ACRES	13± ACRES	6.5± ACRES
10,800 cu. ft.	30,600 cu. ft.	23,400 cu. ft.	28,000 cu. ft.	14,400 cu. ft.	52,200 cu. ft.	18,000 cu. ft.	46,800 cu. ft.	23,400 cu. ft.
11,250 cu. ft.	31,250 cu. ft.	24,000 cu. ft.	27,000 cu. ft.	15,000 cu. ft.	55,250 cu. ft.	20,000 cu. ft.	52,000 cu. ft.	24,000 cu. ft.
90' x 25'	125' x 50'	100' x 30'	90' x 60'	100' x 30'	130' x 85'	80' x 50'	130' x 80'	80' x 60'
4"	4"	4"	4"	4"	4"	4"	4"	4"
1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
5'	5'	5'	5'	5'	5'	5'	5'	5'
5'	5'	5'	5'	5'	5'	5'	5'	5'

TRAP #28	TRAP #29	TRAP #30	TRAP #31	TRAP #32	TRAP #33	TRAP #34
7± ACRES	3± ACRES	3.5± ACRES	8.5± ACRES	11.5± ACRES	2± ACRES	4.5± ACRES
25,200 cu. ft.	10,800 cu. ft.	12,600 cu. ft.	30,600 cu. ft.	41,400 cu. ft.	7,200 cu. ft.	16,200 cu. ft.
17,000 cu. ft.	15,000 cu. ft.	15,125 cu. ft.	32,500 cu. ft.	42,000 cu. ft.	7,500 cu. ft.	17,000 cu. ft.
90' x 60'	100' x 30'	55' x 55'	100' x 60'	120' x 70'	60' x 25'	85' x 40'
4"	4"	4"	4"	4"	4"	4"
1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
5'	5'	5'	5'	5'	5'	5'
5'	5'	5'	5'	5'	5'	5'



CHECK DAM DETAILS
NOT TO SCALE



RIPRAP OUTLET DETAIL
NOT TO SCALE

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

EROSION CONTROL DETAILS

DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
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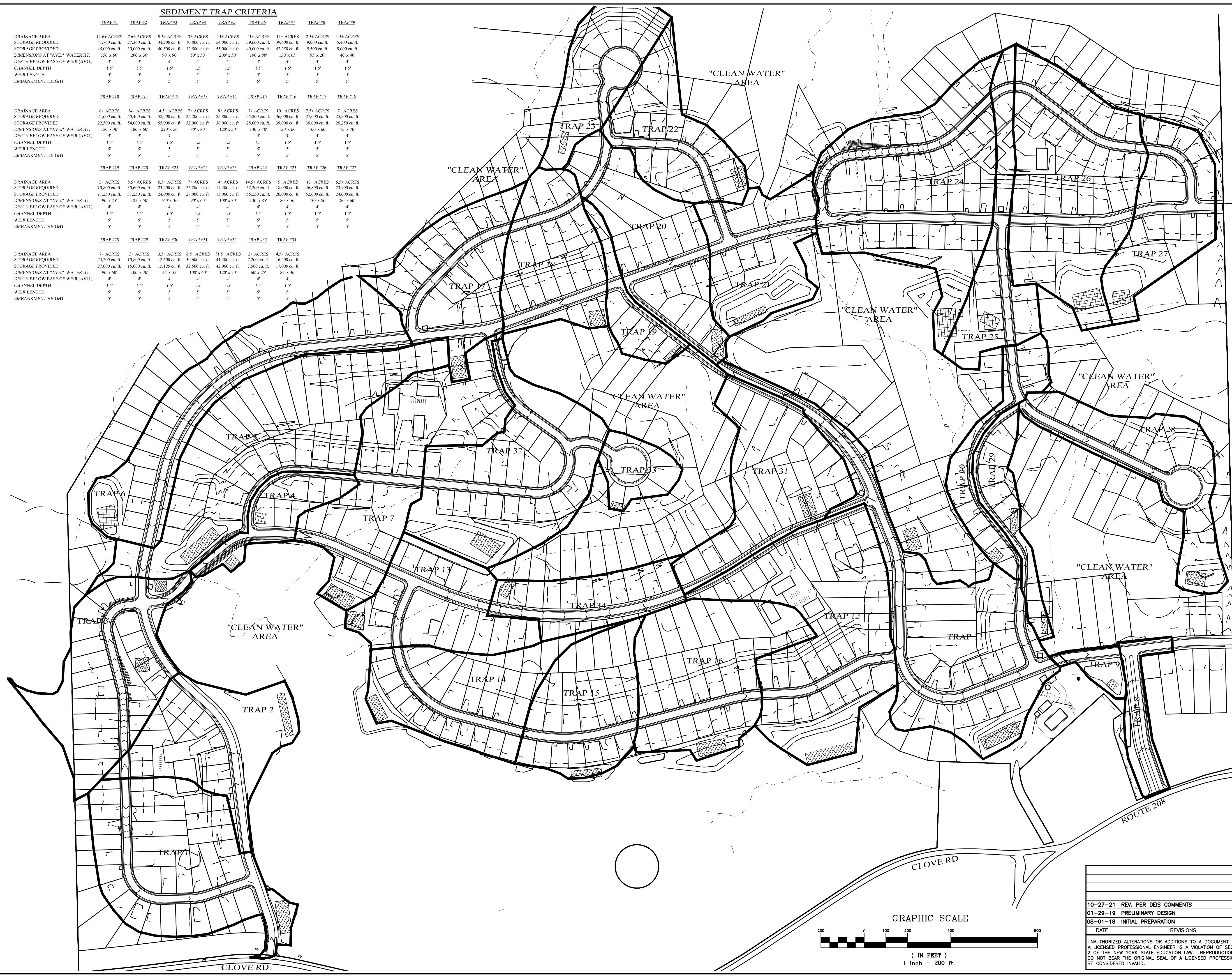
SEDIMENT TRAP CRITERIA

	TRAP#1	TRAP#2	TRAP#3	TRAP#4	TRAP#5	TRAP#6	TRAP#7	TRAP#8	TRAP#9
DRAINAGE AREA	11.6± ACRES	7.6± ACRES	9.5± ACRES	3± ACRES	15± ACRES	11± ACRES	11± ACRES	2.5± ACRES	1.5± ACRES
STORAGE REQUIRED	41,760 cu. ft.	27,360 cu. ft.	34,200 cu. ft.	10,800 cu. ft.	54,000 cu. ft.	30,600 cu. ft.	30,600 cu. ft.	9,000 cu. ft.	5,400 cu. ft.
STORAGE PROVIDED	45,000 cu. ft.	30,000 cu. ft.	40,500 cu. ft.	12,500 cu. ft.	55,000 cu. ft.	40,000 cu. ft.	42,250 cu. ft.	9,500 cu. ft.	8,000 cu. ft.
DIMENSIONS AT "AVE" WATER HT.	150' x 60'	200' x 30'	90' x 90'	50' x 50'	200' x 50'	100' x 80'	130' x 65'	95' x 20'	40' x 40'
DEPTH BELOW BASE OF WEIR (AVG.)	4'	4'	4'	4'	4'	4'	4'	4'	4'
CHANNEL DEPTH	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
WEIR LENGTH	5'	5'	5'	5'	5'	5'	5'	5'	5'
EMBANKMENT HEIGHT	5'	5'	5'	5'	5'	5'	5'	5'	5'

	TRAP#10	TRAP#11	TRAP#12	TRAP#13	TRAP#14	TRAP#15	TRAP#16	TRAP#17	TRAP#18
DRAINAGE AREA	6± ACRES	14± ACRES	14.5± ACRES	7± ACRES	8± ACRES	7± ACRES	10± ACRES	7.5± ACRES	7± ACRES
STORAGE REQUIRED	21,600 cu. ft.	50,400 cu. ft.	52,200 cu. ft.	25,200 cu. ft.	25,800 cu. ft.	25,200 cu. ft.	36,000 cu. ft.	27,000 cu. ft.	25,200 cu. ft.
STORAGE PROVIDED	22,500 cu. ft.	54,000 cu. ft.	55,000 cu. ft.	32,000 cu. ft.	30,000 cu. ft.	29,000 cu. ft.	39,000 cu. ft.	30,000 cu. ft.	26,250 cu. ft.
DIMENSIONS AT "AVE" WATER HT.	150' x 30'	180' x 60'	220' x 50'	80' x 80'	120' x 50'	140' x 40'	130' x 60'	100' x 60'	75' x 70'
DEPTH BELOW BASE OF WEIR (AVG.)	4'	4'	4'	4'	4'	4'	4'	4'	4'
CHANNEL DEPTH	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
WEIR LENGTH	5'	5'	5'	5'	5'	5'	5'	5'	5'
EMBANKMENT HEIGHT	5'	5'	5'	5'	5'	5'	5'	5'	5'

	TRAP#19	TRAP#20	TRAP#21	TRAP#22	TRAP#23	TRAP#24	TRAP#25	TRAP#26	TRAP#27
DRAINAGE AREA	3± ACRES	8.5± ACRES	6.5± ACRES	7± ACRES	4± ACRES	14.5± ACRES	5± ACRES	13± ACRES	6.5± ACRES
STORAGE REQUIRED	10,800 cu. ft.	30,600 cu. ft.	24,000 cu. ft.	25,200 cu. ft.	14,400 cu. ft.	52,200 cu. ft.	18,000 cu. ft.	46,800 cu. ft.	23,400 cu. ft.
STORAGE PROVIDED	11,250 cu. ft.	31,250 cu. ft.	24,000 cu. ft.	27,000 cu. ft.	15,000 cu. ft.	55,250 cu. ft.	20,000 cu. ft.	52,000 cu. ft.	24,000 cu. ft.
DIMENSIONS AT "AVE" WATER HT.	90' x 25'	125' x 50'	160' x 30'	90' x 60'	100' x 30'	130' x 85'	80' x 50'	130' x 80'	80' x 60'
DEPTH BELOW BASE OF WEIR (AVG.)	4'	4'	4'	4'	4'	4'	4'	4'	4'
CHANNEL DEPTH	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
WEIR LENGTH	5'	5'	5'	5'	5'	5'	5'	5'	5'
EMBANKMENT HEIGHT	5'	5'	5'	5'	5'	5'	5'	5'	5'

	TRAP#28	TRAP#29	TRAP#30	TRAP#31	TRAP#32	TRAP#33	TRAP#34
DRAINAGE AREA	7± ACRES	3± ACRES	3.5± ACRES	8.5± ACRES	11.5± ACRES	2± ACRES	4.5± ACRES
STORAGE REQUIRED	25,200 cu. ft.	10,800 cu. ft.	12,600 cu. ft.	30,600 cu. ft.	41,400 cu. ft.	7,200 cu. ft.	16,200 cu. ft.
STORAGE PROVIDED	27,000 cu. ft.	15,000 cu. ft.	15,125 cu. ft.	32,500 cu. ft.	42,000 cu. ft.	7,500 cu. ft.	17,000 cu. ft.
DIMENSIONS AT "AVE" WATER HT.	90' x 60'	100' x 30'	55' x 55'	100' x 60'	120' x 70'	60' x 25'	85' x 40'
DEPTH BELOW BASE OF WEIR (AVG.)	4'	4'	4'	4'	4'	4'	4'
CHANNEL DEPTH	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'	1.5'
WEIR LENGTH	5'	5'	5'	5'	5'	5'	5'
EMBANKMENT HEIGHT	5'	5'	5'	5'	5'	5'	5'



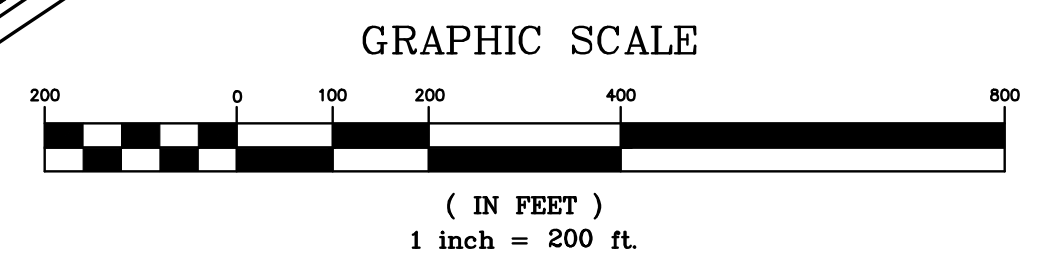
LEGEND

EXISTING PROPERTY LINE	—————
PROPOSED PROPERTY LINE	—————
EXISTING 10' CONTOUR LINE	—————
EXISTING 2' CONTOUR LINE	—————
PROPOSED CONTOUR LINE	————— (600)
PROPOSED EDGE OF PAVEMENT	—————
EXISTING EDGE OF PAVEMENT	—————
EXISTING DEC WETLANDS	—————
EXISTING FEDERAL WETLANDS	—————
PROPOSED EDGE OF PAVEMENT	—————
PROPOSED SILT FENCE	—————
TRAP TRIBUTARY AREA	—————
PROPOSED TEMPORARY RIP-RAP OUTLET SEDIMENT TRAP	—————

Lands of
CLOVEWOOD
 VILLAGE OF SOUTH BLOOMING GROVE,
 ORANGE COUNTY, NEW YORK

PROJECT TITLE
**SEDIMENT TRAP
 TRIBUTARY AREA
 MAP**

DRAWING TITLE
Kirk Rother, P.E.
 CONSULTING ENGINEER, PLLC
 5 Saint Stephens Lane, Warwick NY 10990
 (845) 988-0620



DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
08-01-18	INITIAL PREPARATION

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	E 13
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	

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Lands of
CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

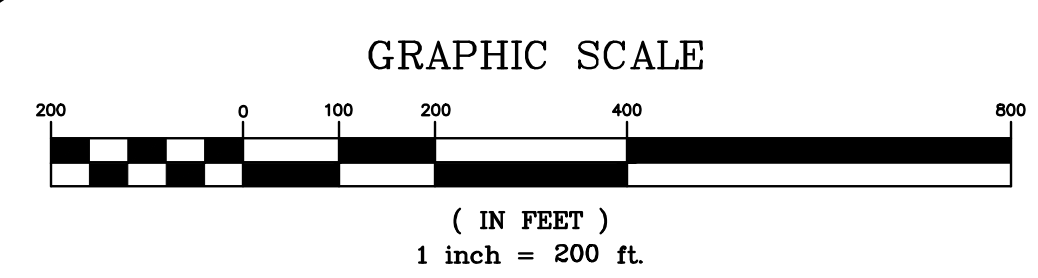
**CONSTRUCTION
PHASING
PLAN**

DRAWING TITLE

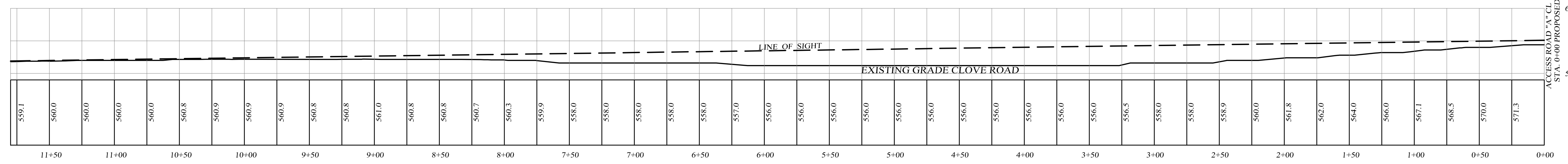
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

10-27-21	REV. PER DEIS COMMENTS	DATE	REVISIONS
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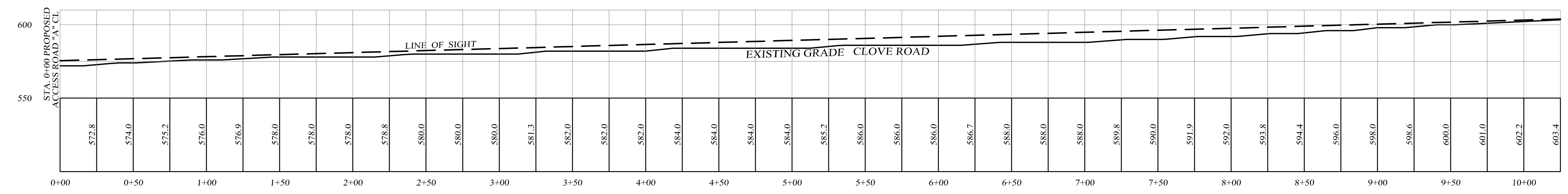
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N.A.	N.A.	N.A.	E 14
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS NOTED	



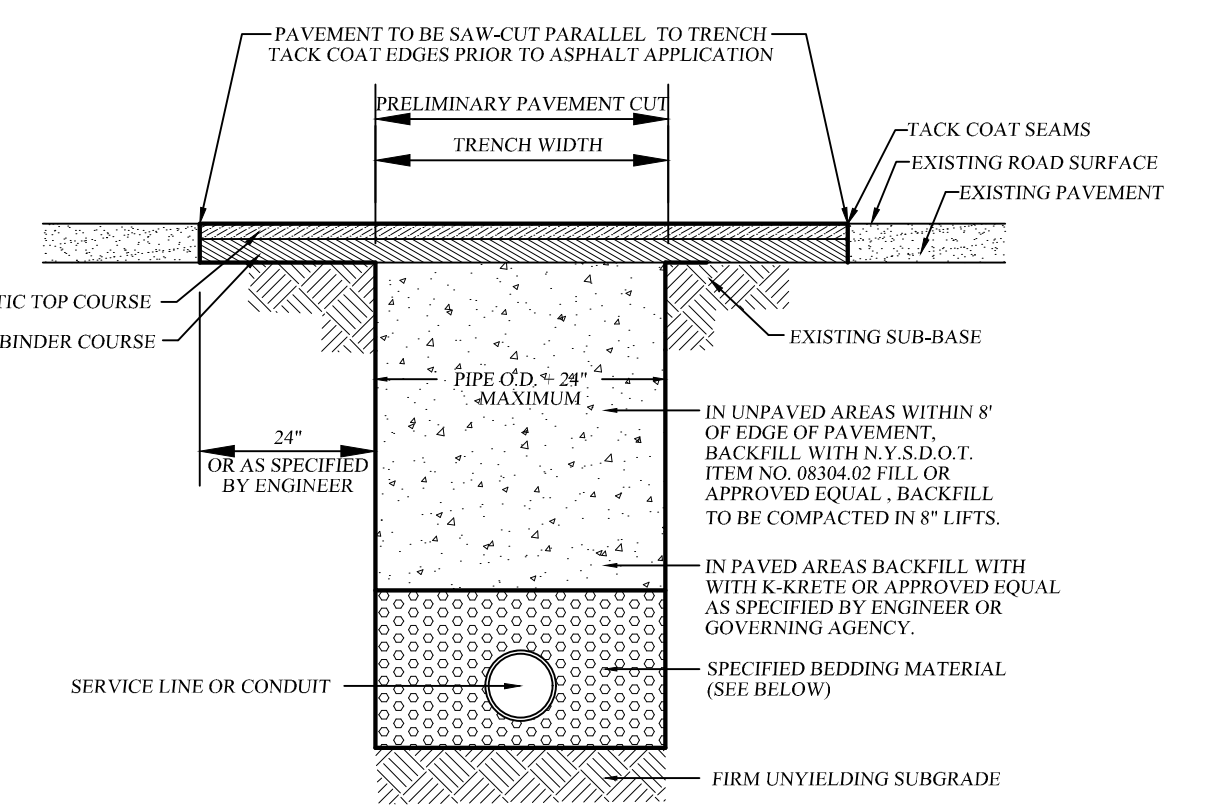
DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053
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SIGHT DISTANCE PROFILE LOOKING LEFT ONTO CLOVE ROAD
SCALE: 1" = 50'

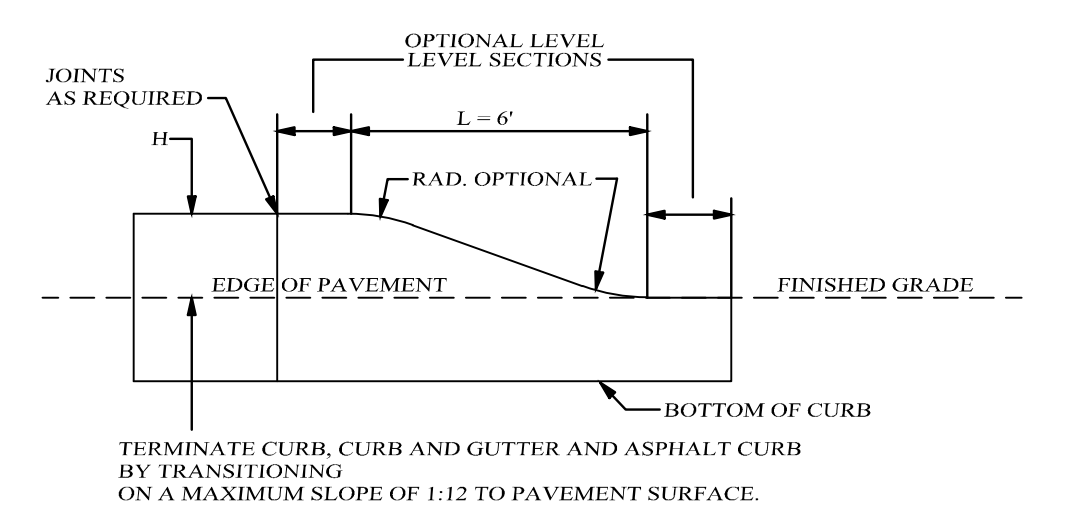


SIGHT DISTANCE PROFILE LOOKING RIGHT ONTO CLOVE ROAD
SCALE: 1" = 50'

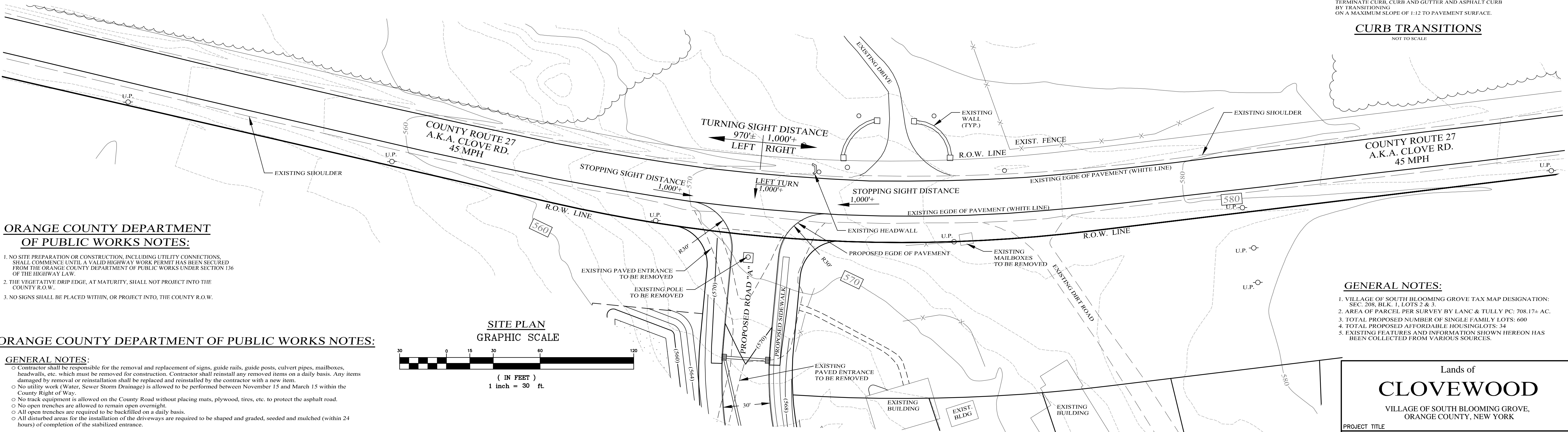
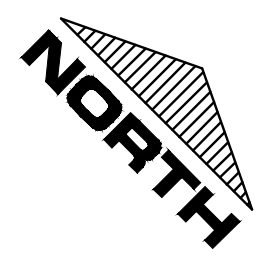


- MATERIALS**
- PIPE ZONE BEDDING MATERIAL:**
 1. WATER MAINS: SAND OR RUN-OF-BANK GRAVEL, AS APPROVED BY SOILS ENGINEER.
 2. SEWER MAINS: 1/4" CRUSHED STONE.
 3. STORM SEWER: 1/4" CRUSHED STONE.
- PIPE ZONE BACKFILL MATERIAL:**
 1. WATER MAINS: ON-SITE MATERIAL FREE OF STONE, CLAY FOREIGN MATERIAL OR FROZEN EARTH AS APPROVED BY SOILS ENGINEER.
 2. SEWER MAINS: 1/4" CRUSHED STONE.
 3. STORM SEWER: ON-SITE MATERIAL FREE OF STONE, CLAY FOREIGN MATERIAL OR FROZEN EARTH AS APPROVED BY SOILS ENGINEER.

PIPE BEDDING AND BACKFILL DETAIL (WITHIN TOWN OR COUNTY R.O.W.)



CURB TRANSITIONS



ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTES:

- NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.
- THE VEGETATIVE DRIP EDGE, AT MATURITY, SHALL NOT PROJECT INTO THE COUNTY R.O.W.
- NO SIGNS SHALL BE PLACED WITHIN, OR PROJECT INTO, THE COUNTY R.O.W.

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTES:

- GENERAL NOTES:**
- Contractor shall be responsible for the removal and replacement of signs, guide rails, guide posts, culvert pipes, mailboxes, headwalls, etc. which must be removed for construction. Contractor shall reinstall any removed items on a daily basis. Any items damaged by removal or reinstallation shall be replaced and reinstalled by the contractor with a new item.
 - No utility work (Water, Sewer Storm Drainage) is allowed to be performed between November 15 and March 15 within the County Right of Way.
 - No track equipment is allowed on the County Road without placing mats, plywood, tires, etc. to protect the asphalt road.
 - No open trenches are allowed to remain open overnight.
 - All open trenches are required to be backfilled on a daily basis.
 - All disturbed areas for the installation of the driveways are required to be shaped and graded, seeded and mulched (within 24 hours) of completion of the stabilized entrance.

- LANDSCAPING:**
- Any planting and landscaping features are required to be offset from the property line by 4 feet.

- BACKFILL MATERIALS:**
- Provide Cross Section Details for Backfill Requirements within the Asphalt, Within 8 feet of the Edge of Pavement, and 8 feet beyond from the Edge of Pavement.
 - Dry K-Crete shall be used at all road crossing (town roads), commercial entrances, and all trenches within Asphalt or as directed by Orange County Inspector.
 - Item No. 4: Item 304.12 Subbase Course Type 2 is required to be used as backfill from edge of pavement out eight feet.
 - Excavated material is allowed to be used as backfill material 8 ft beyond the edge of pavement. No boulders/rocks over 12 inches are allowed to be used as backfill.
 - Material tickets are required to be provided to the Orange County Inspector on a daily basis for all material used in the County Right of Way.

- ASPHALT RESTORATION:**
- All pavement restoration needs to be completed on a daily basis.
 - Ragged trench edges must saw cut prior to any paving (temporary or permanent).
 - It will be the responsibility of the contractor to maintain the 5" of binder course flush with the existing pavement surface throughout the duration of the project. Final asphalt restoration is to be completed at the completion of the project.
 - All temporary asphalt is required to be five (5) inches thick and placed in two (2) lifts of 2 1/2 inches.
 - All edges of existing asphalt are required to be swept and tack coated prior to paving.
 - All Asphalt is required to be saw cut parallel or perpendicular to the trench or to the existing asphalt.
 - No ragged edges are acceptable.
 - All saw cutting is required to be performed prior to placing Asphalt Binder. Milling out the jagged edges on the top course or final asphalt will not be accepted by Orange County.
 - All Asphalt Joints are required to be crack sealed upon completing final paving.

MAINTENANCE AND PROTECTION OF TRAFFIC:

- Provide notes that all work is to be performed in accordance with Orange County Requirements. The following signs are required to be placed in each direction to perform the work per the approved plans: Road Work 1500 Ft, Road Work 1000 Ft, Road Work 500 Ft, One Lane Road.
- Ahead, Flagger Symbol on each approach when taking a travel lane. When work is performed on the shoulder the following signs are required: Road Work 1500 Ft, Road Work 1000 Ft, Road Work 500 Ft, No Shoulder. Flagger Symbols are required to be available for a "No Shoulder" Work Zone in case flaggers are used to direct traffic.
- All Maintenance and Protection of Traffic Construction Signage shall be installed and in place prior any work starting. All construction signage is required to meet the requirements as per the "National Manual of Uniform Traffic Control Devices for Streets and Highways" and NYS Supplement latest edition and revisions. In a case where County requirements are more stringent with regard required MUTCD signage, the County requirements are the standard to be adhered to.
- The construction signage shall be installed on permanent posts, on breakaway posts or on wind-masters and covered and uncovered on a daily basis. The contractor must have all the necessary construction signs to perform the work safely; i.e. Additional signage: One Lane Road Ahead, Flagger Symbol, if a lane has to be closed to perform work.
- All construction signage is required to be 730-05.02 - ASTM Type III (Class B) as per NYS Standard Specifications: Construction and Materials. Hi-intensity reflective sheeting.
- often referred to as high intensity. It is recommended for highway signs, construction signs, delineators, and other work zone devices.
- Work zone is required to be properly delineated with cones or construction barrels.
- Orange County reserves the right to preclude all work and lane closures during any inclement weather or other unforeseen circumstances (i.e. wet, icy conditions, reduced visibility, traffic accidents on state, county, town or village road, or other emergencies).
- No lanes closures will be permitted from 12 noon prior to a holiday and until 10 am the day after the holiday.
- Flaggers shall not control more than one approach at any time throughout the duration of the work zone. Additional flaggers are required to control all approaches in a work zone.
- Eighteen (18) inch stop and slow paddles are required to direct traffic.
- Two way radios are required for flaggers to communicate between each other.

LEGEND

EXISTING PROPERTY LINE	---
PROPOSED PROPERTY LINE	---
PROPOSED SETBACK LINE	---
EXISTING 10' CONTOUR LINE	---
EXISTING 2' CONTOUR LINE	---
PROPOSED CONTOUR LINE	---
PROPOSED EDGE OF PAVEMENT	---
PROPOSED ROAD CENTERLINE	---
EXISTING EDGE OF PAVEMENT	---
EXISTING DEC WETLANDS	---
EXISTING FEDERAL WETLANDS	---
PROPOSED EDGE OF PAVEMENT	---
PROPOSED ROAD CENTERLINE	---
EXISTING EDGE OF PAVEMENT	---

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
03-26-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

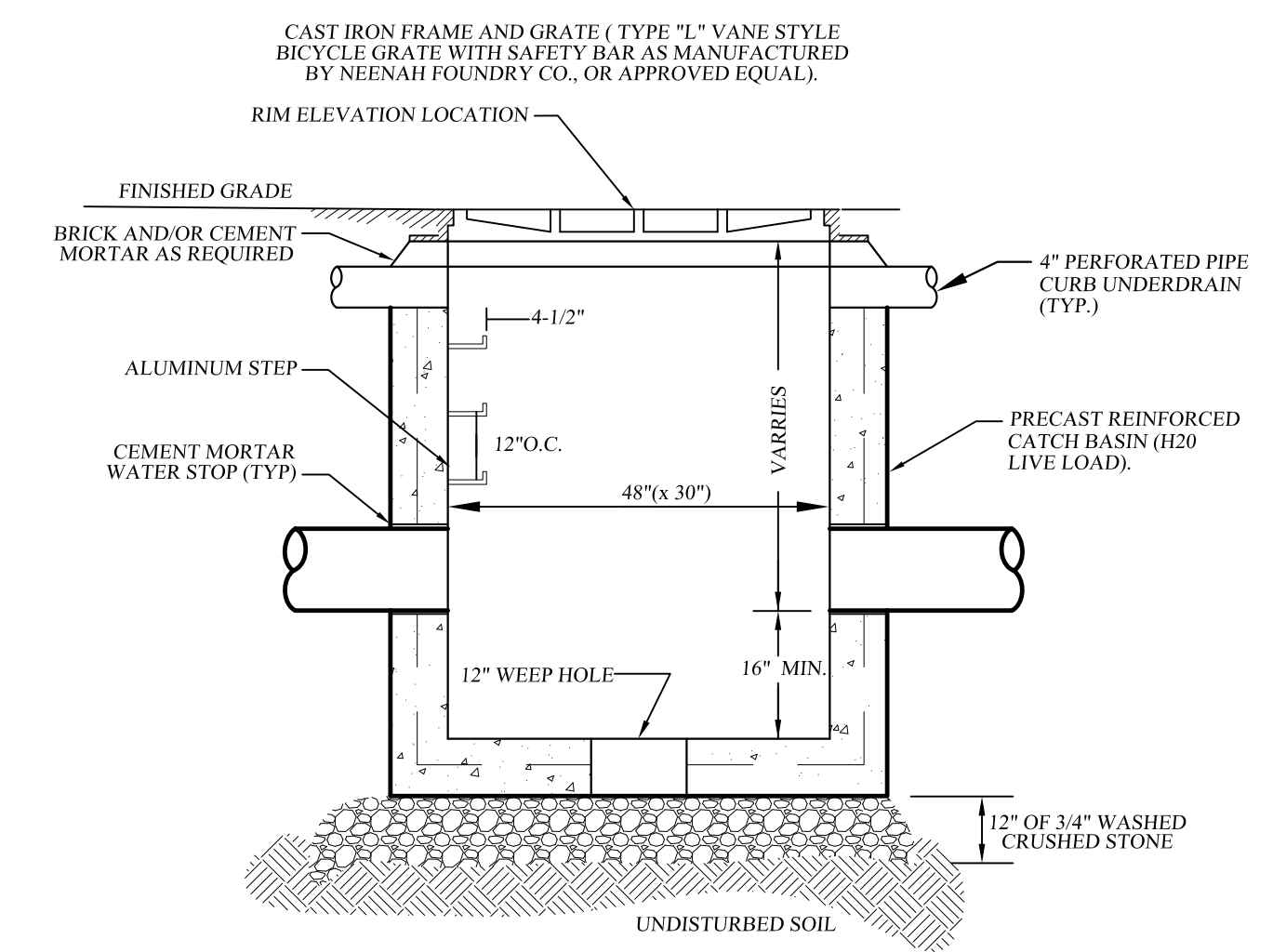
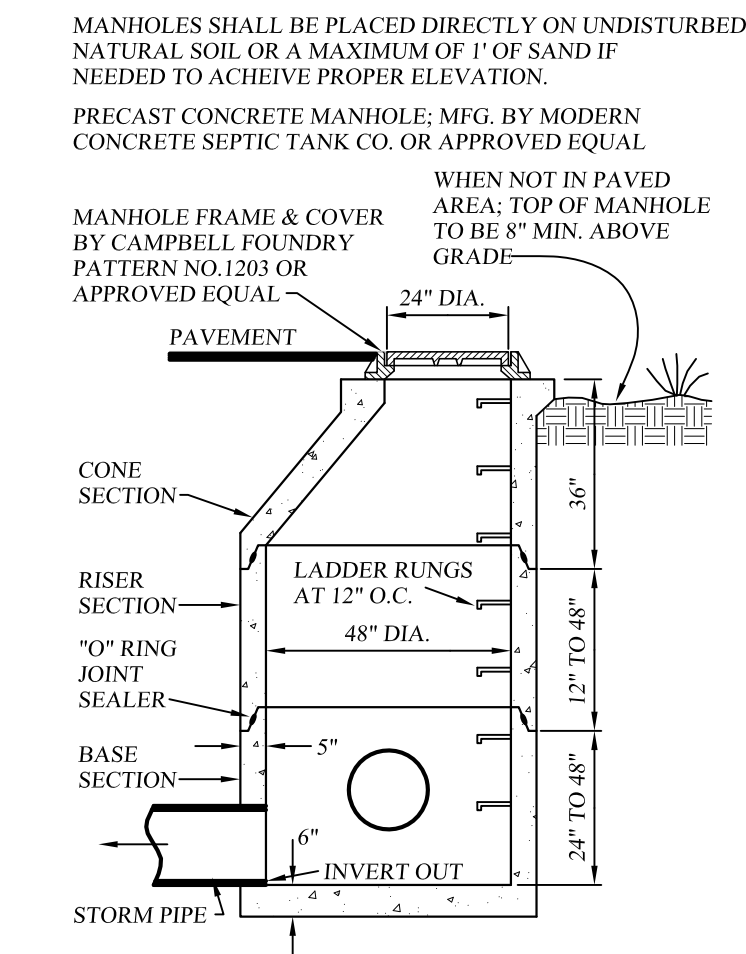
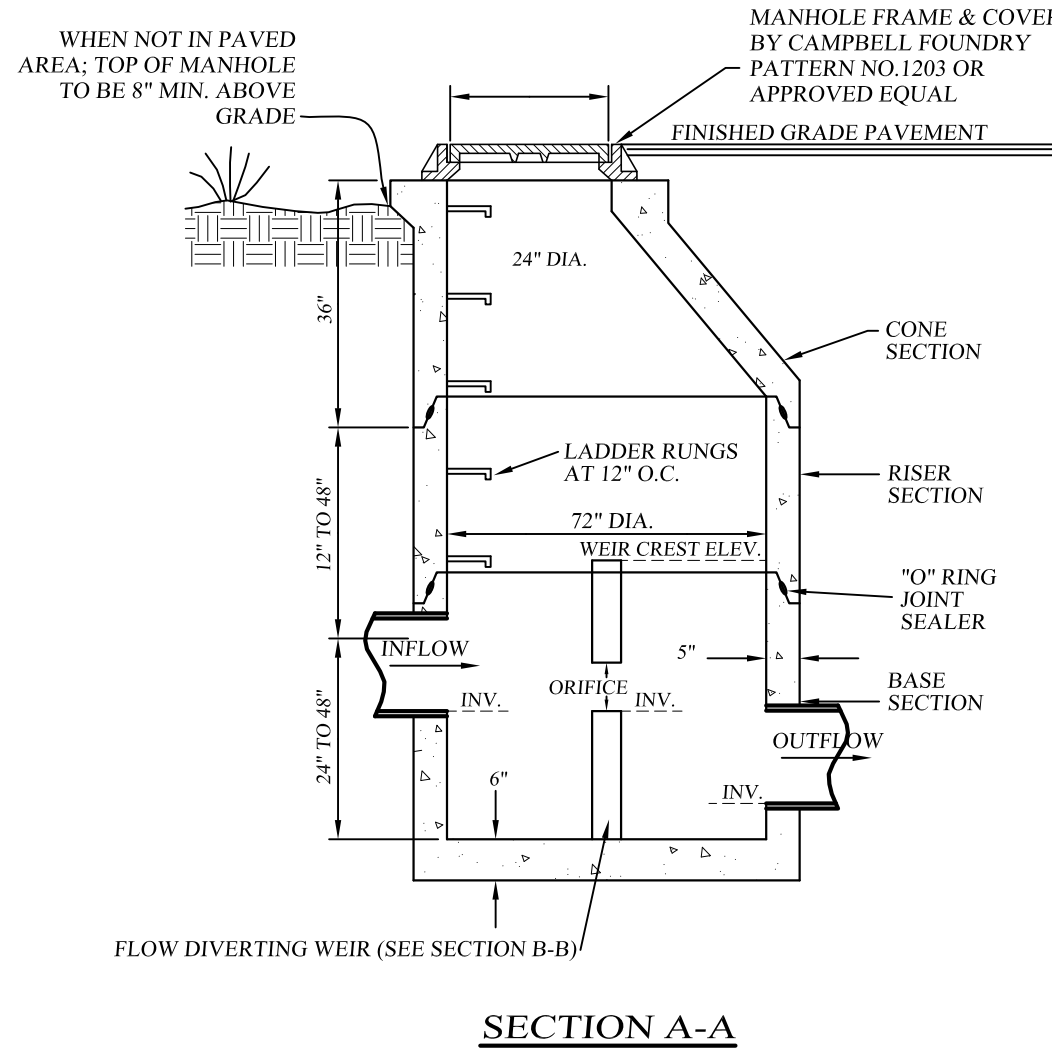
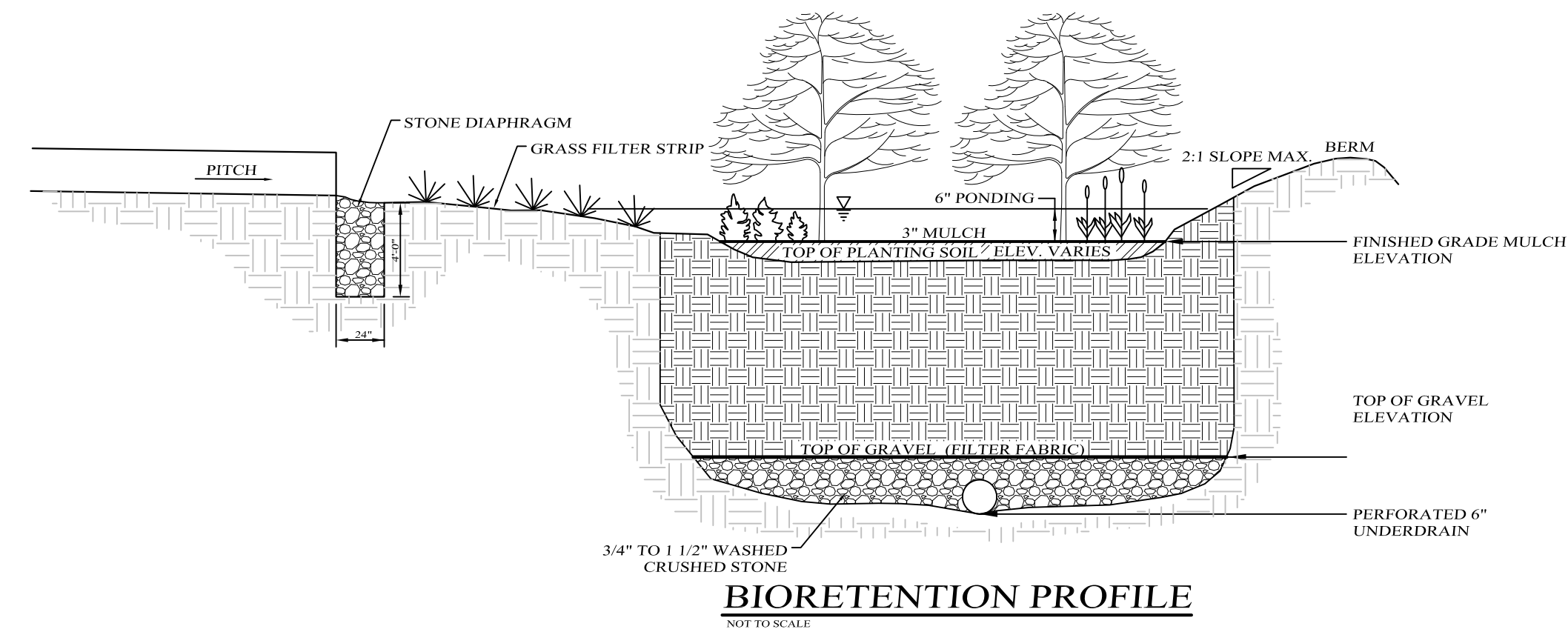
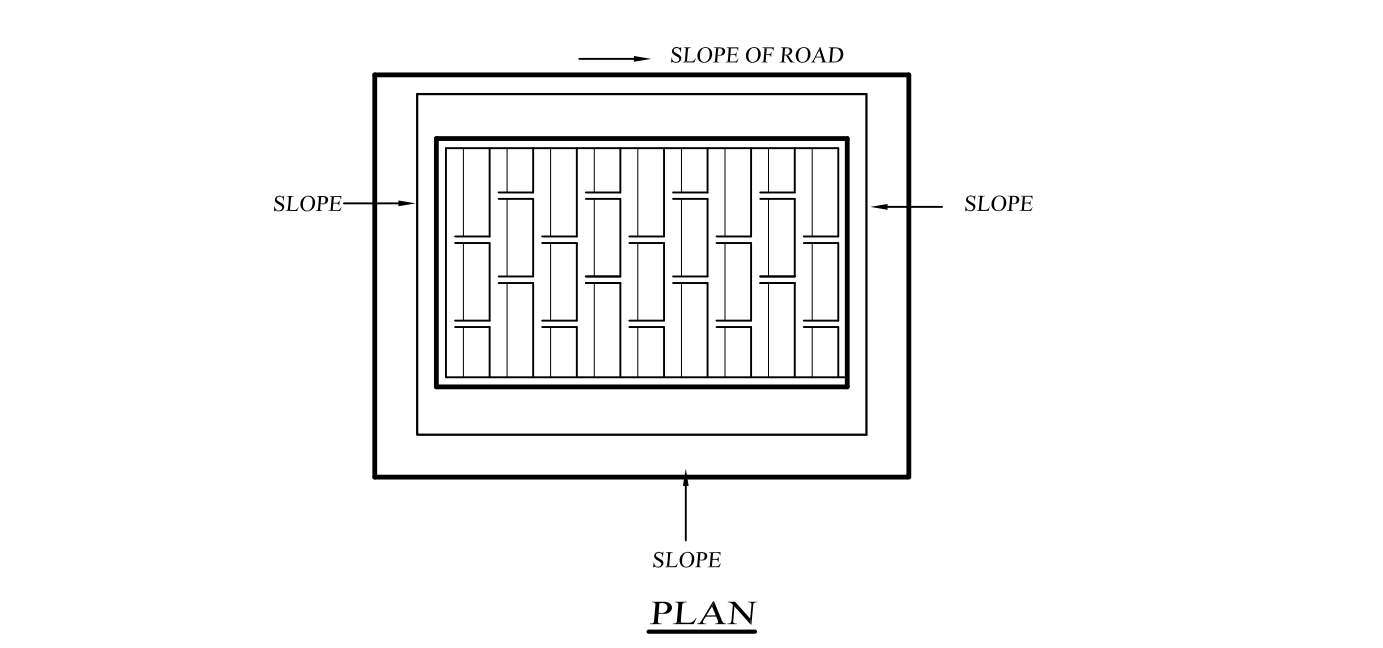
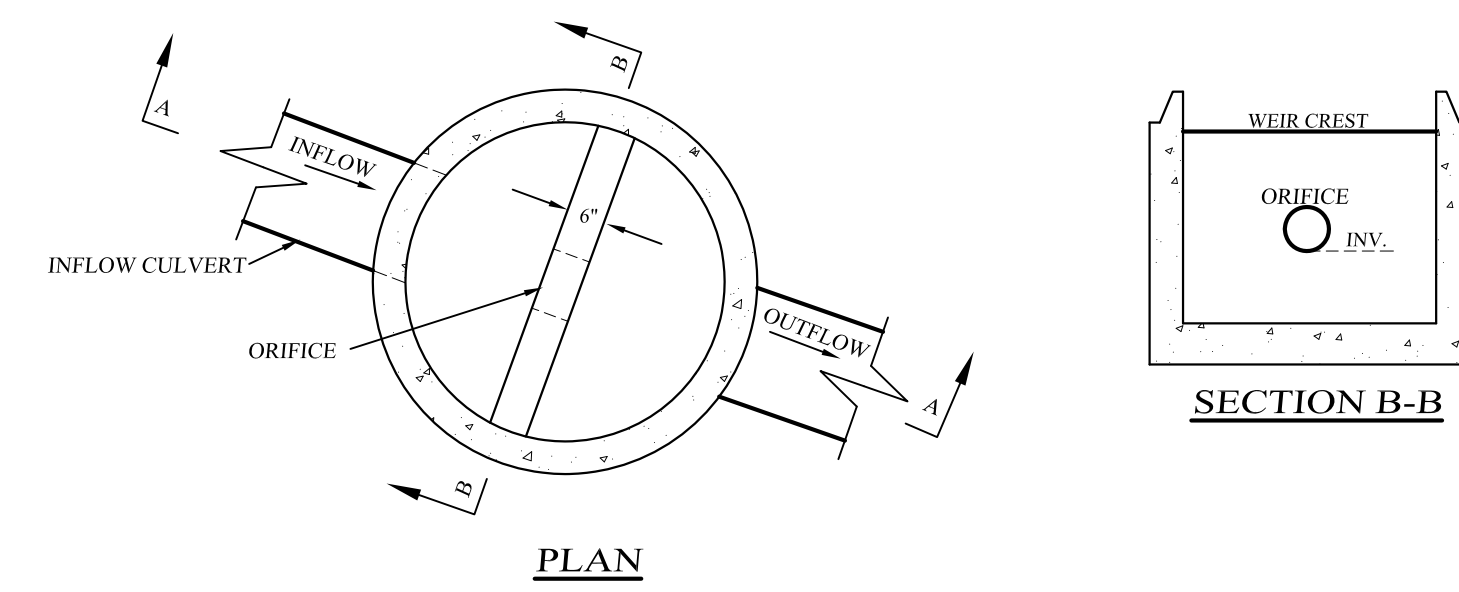
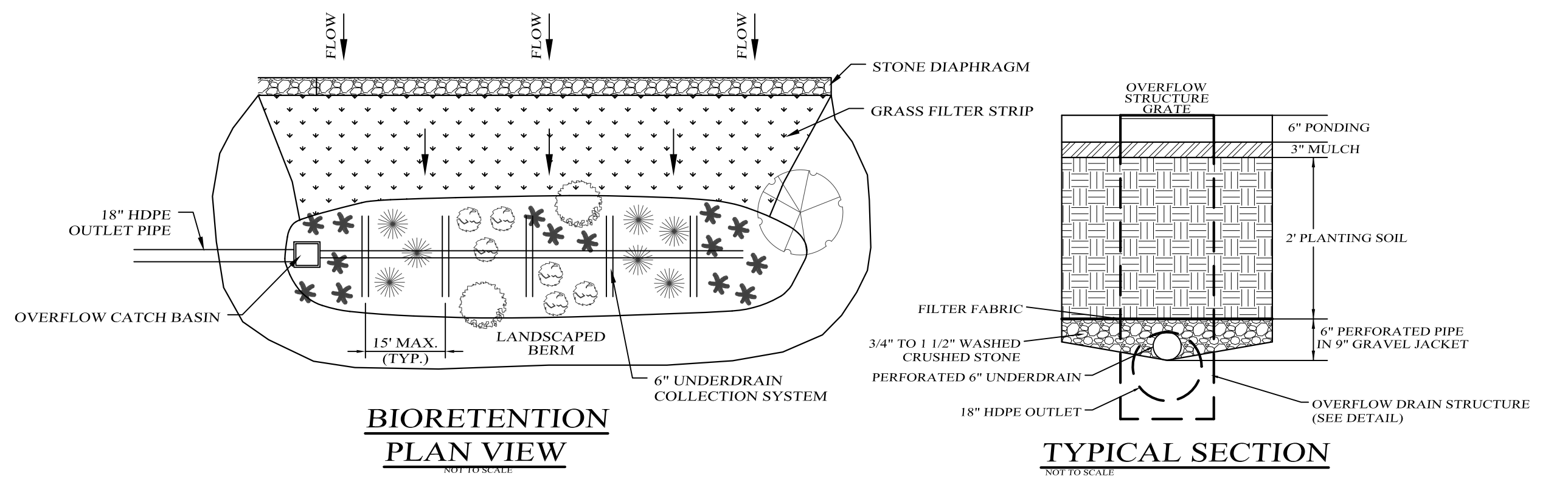
PROJECT TITLE
COUNTY ROAD ENTRANCE PLAN

DRAWING TITLE
Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079653

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	OC 1

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BIORETENTION AREA PLANTING SCHEDULE

SYMBOL	PLANT NAME	SCIENTIFIC NAME	SIZE	SPACING
	Red Maple	Acer rubrum	B & B 2-1/2\"/>	
	Tupelo	Nyssa sylvatica vari	B & B 5'-6\"/>	
	Red Osier Dogwood	Cornus stolonifera	2 GAL.	4\"/>
	Sweet Pepperbush	Clethra alnifolia	2 GAL.	6\"/>
	Fox Sedge	Carex vulpinoidea	2 GAL.	2\"/>
	MULCH			52 C.Y.

NOTES:

- A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER THE CONTRIBUTING PERVIOUS DRAINAGE AREAS BEFORE RUNOFF CAN BE ACCEPTED.
- LANDSCAPING SHALL FOLLOW THE APPROVED PLANS OR A PLAN MUST BE PROVIDED BY A LANDSCAPE ARCHITECT FOR ALL BIORETENTION AREAS.
- PLANT MATERIALS SHOULD CONFORM TO THE AMERICAN STANDARD NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, AND SHOULD BE SELECTED FROM CERTIFIED, REPUTABLE NURSERIES.
- SILT/SEDIMENT SHALL BE REMOVED FROM THE FILTER BED WHEN ACCUMULATION EXCEEDS ONE INCH.
- WHEN WATER PONDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 48 HOURS TO MAINTAIN MAX. GRASS HEIGHT OF 12\"/>

OUTLET STRUCTURE DRAINAGE MANHOLE DETAIL

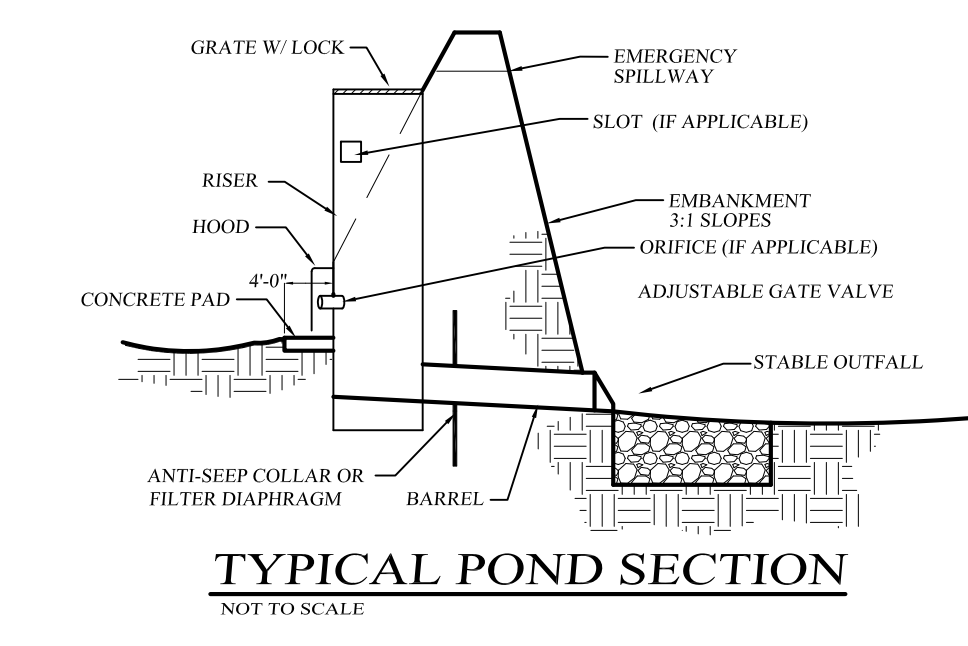
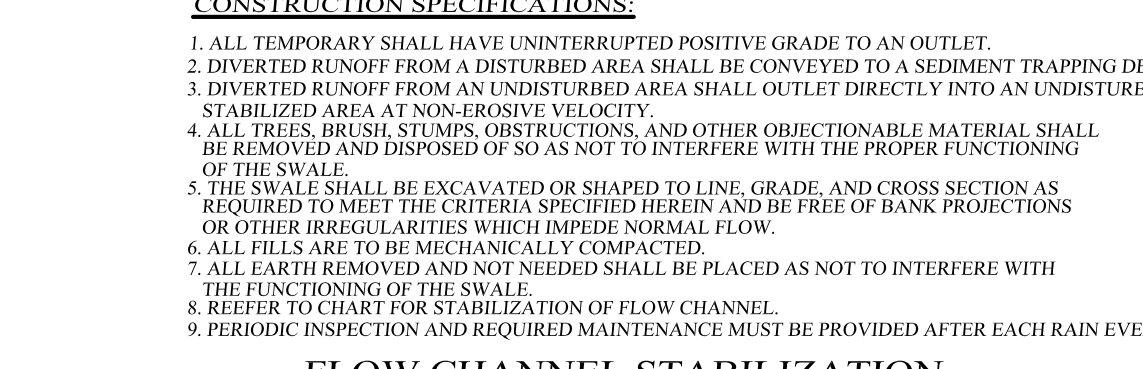
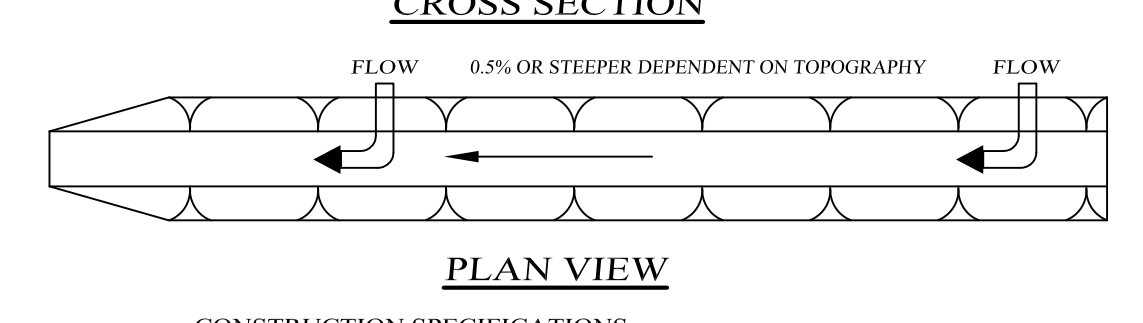
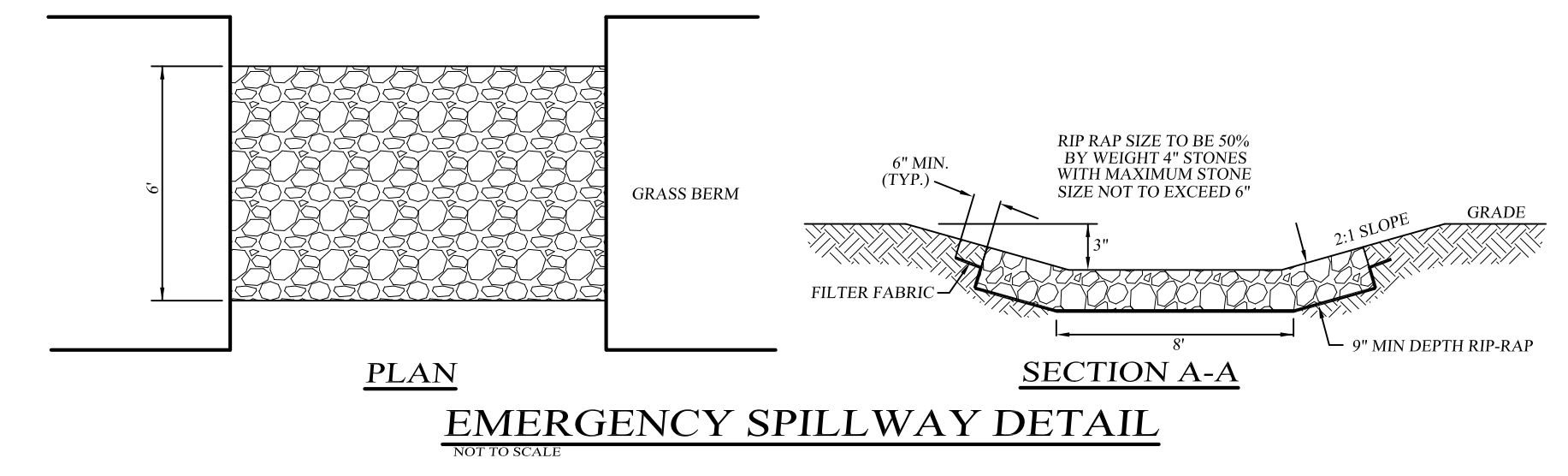
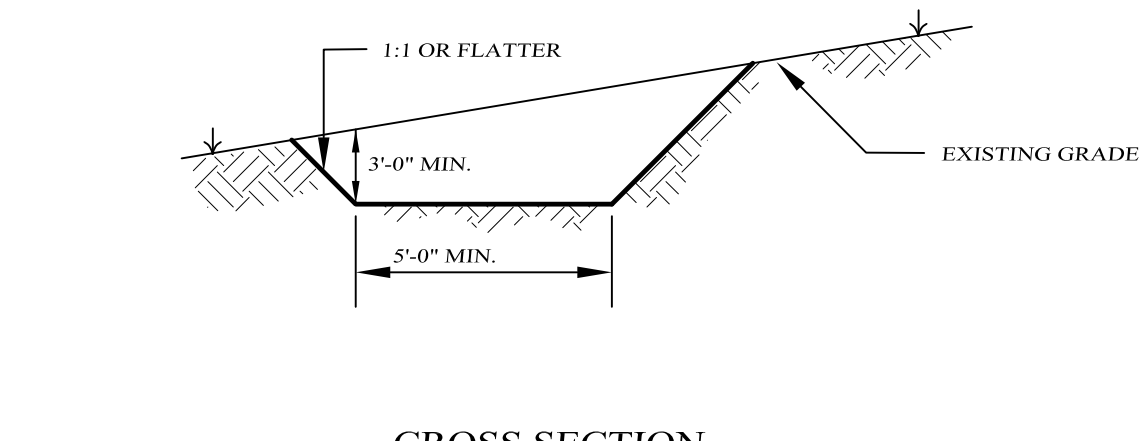
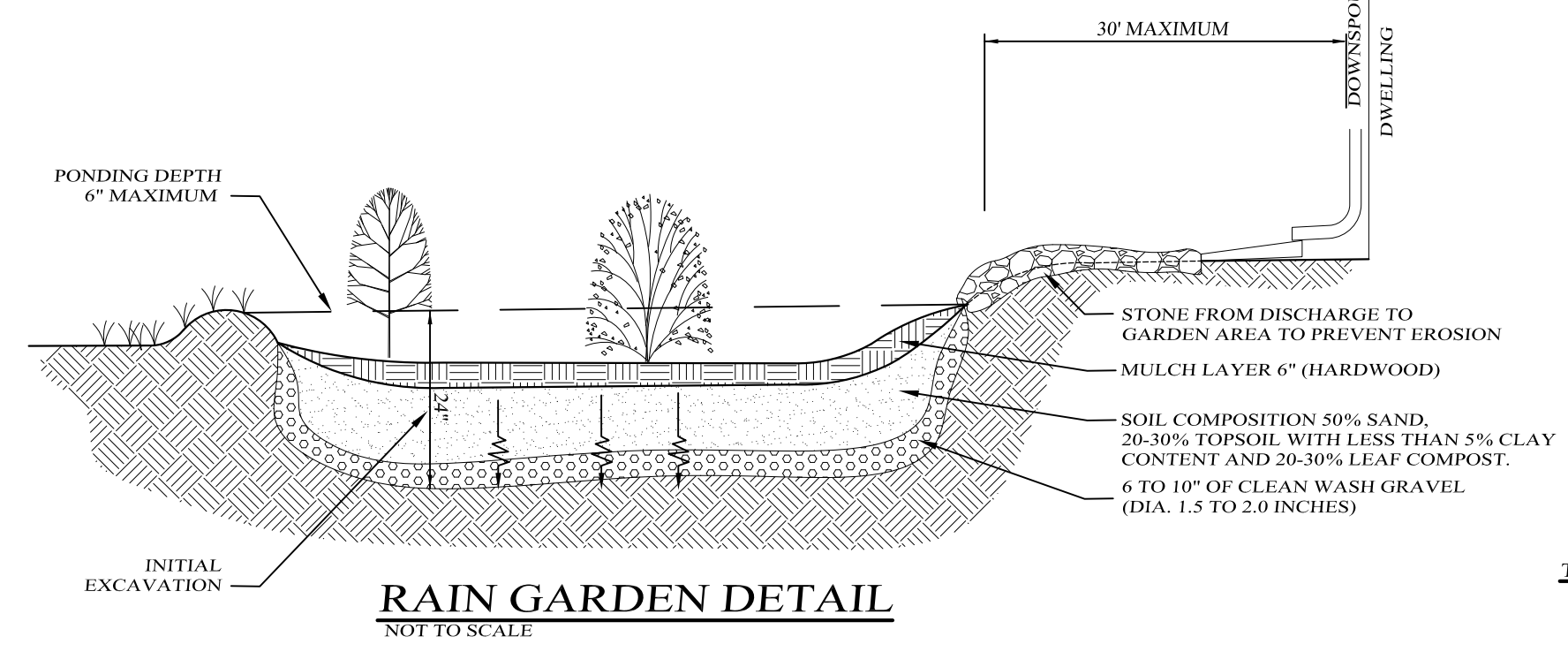
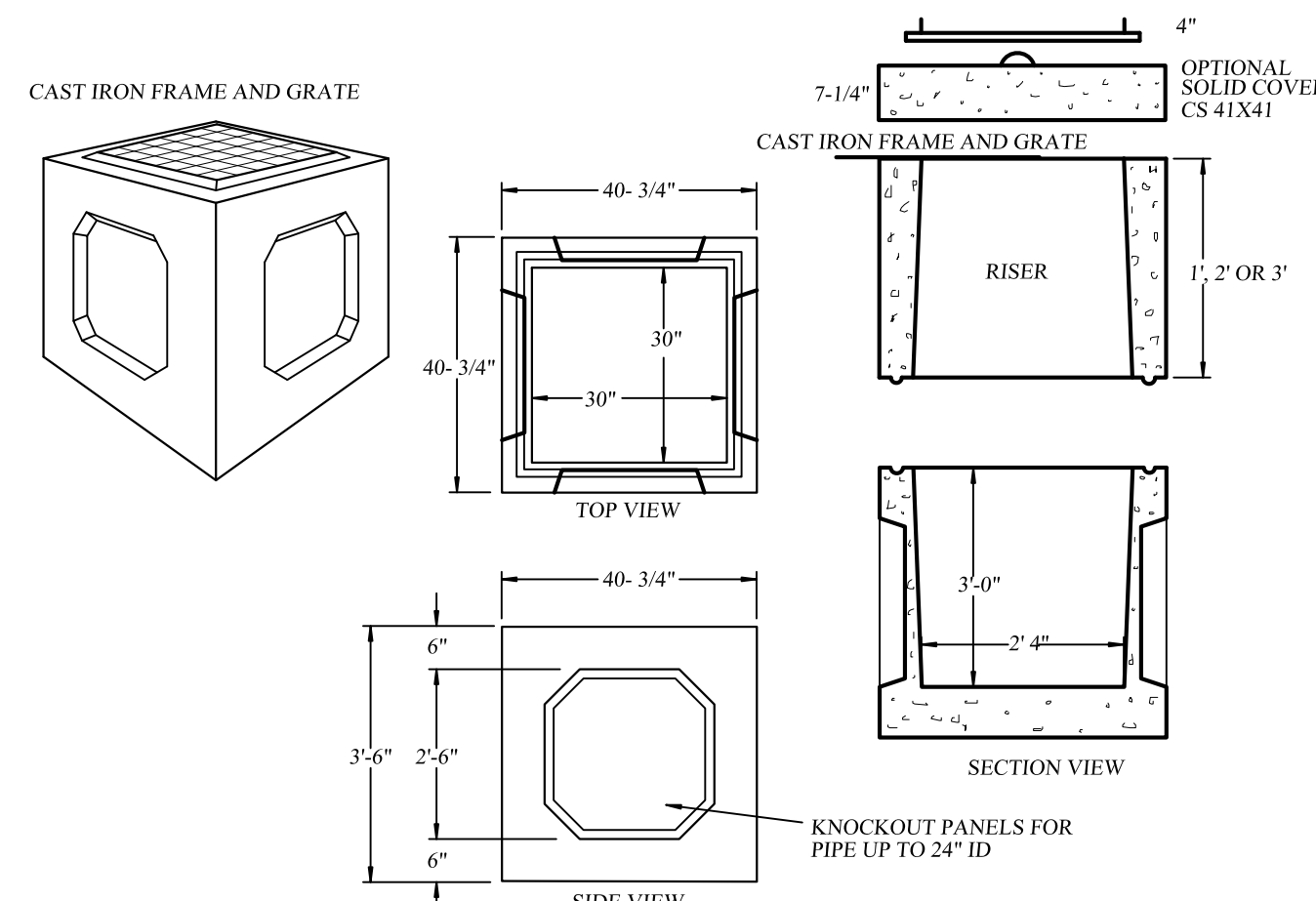
NOT TO SCALE

STORM SEWER MANHOLE DETAIL

NOT TO SCALE

PRECAST CONCRETE CURB INLET DETAIL

NOT TO SCALE



- NOTES:**
- BACKFILL AROUND CATCH BASIN TO BE COMPACTED IN MAX. 8\"/>

- NOTES:**
- RELATIVELY FLAT SLOPES ARE REQUIRED TO ACCOMMODATE RUNOFF FILTERING THROUGH THE SYSTEM, WHEN MODERATE SLOPES ARE PRESENT THE USE OF A BERM OR WALL MAY BE REQUIRED.
 - RUNOFF MUST ENTER AT THE SURFACE.
 - USE PLANTS AND SHRUBS WHICH ARE NATIVE TO THE SURROUNDING COMMUNITY THE FOLLOWING IS A LIST OF PLANTS AND SHRUBS WHICH CAN BE USED TO STABILIZE THE PONDING AREA BUT ARE NOT LIMITED TO:
 - SHURBS-WITCH HAZEL, WINTERBERRY, ARROWWOOD, BROOK-SIDE ALDER, RED-OSIER DOGWOOD, SWEET PEPPERBUSH.
 - HERRACIOUS PLANTS: CINNAMON FERN, CUTLEAF CONEFLOWER, WOOLGRASS, NEW ENGLAND ASTER, FOX SEDGE.
 - SPOTTED JOE-PYE WEED, SWITCH GRASS, GREAT BLUE LOBELIA, WILD BERGAMOT, RED MILKWEED.
 - WEEDING AND WATERING ARE ESSENTIAL FOR THE FIRST YEAR TO ESTABLISH HARDY GROWTH. REPLACE PLANTS AS REQUIRED.
 - LENGTH TO WIDTH RATIO OF 2:1, WITH THE LONG AXIS PERPENDICULAR TO THE SLOPE OF THE FLOW PATH.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	A (5 AC OR LESS)	B (5 AC-10 AC)
1.	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2.	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE OR EXCELSIOR
3.	5.1-8.0%	SEED WITH JUTE OR EXCELSIOR SOD	LINED RIP-RAP 48\"/>
4.	8.1-20%	LINED 48\"/>	

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

DRAINAGE DETAILS

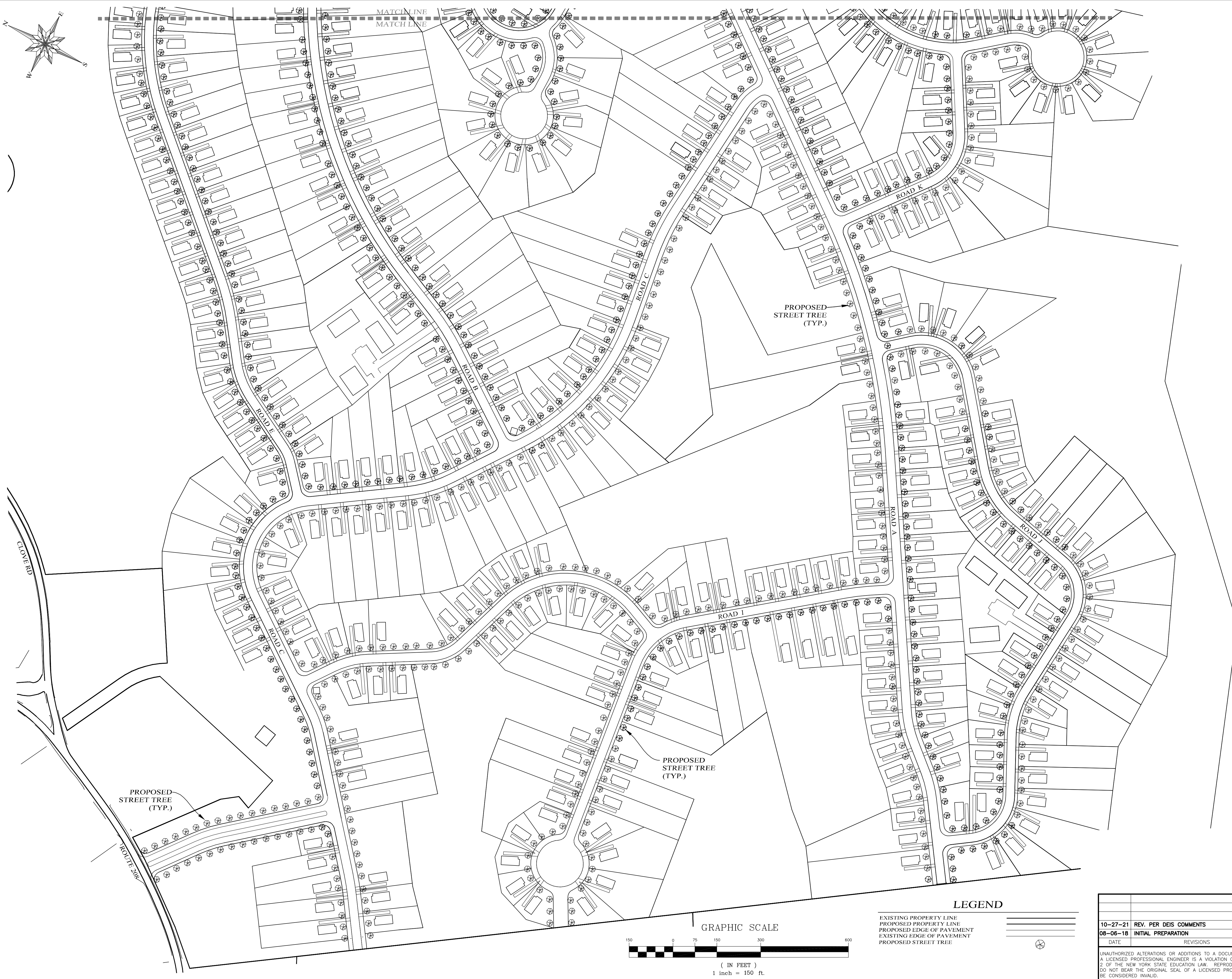
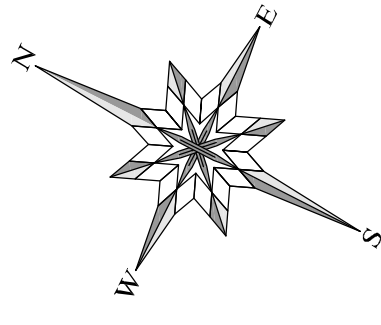
DRAWING TITLE

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CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

DATE	REVISIONS	KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
01-29-19	INITIAL PREPARATION			

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	DD1

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.



STREET TREE NOTES:

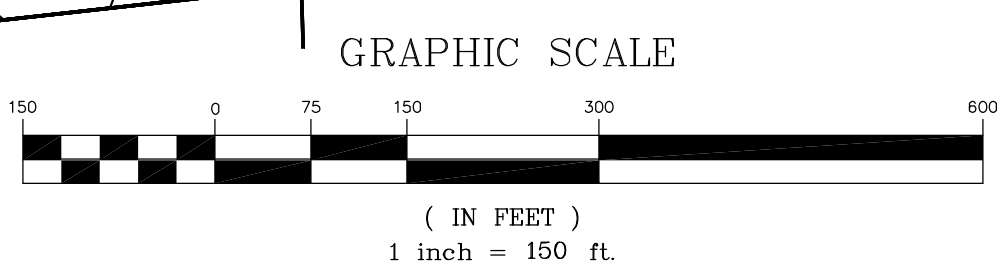
1. TREES TO BE 2-1/2" TO 3" CALIPER, BALLED AND BURLAPPED AND MEET AMERICAN NURSERYMAN'S STANDARDS.
2. TREES TO BE PLANTED 40 FEET ON CENTER.
3. PROVIDE A MIX FROM THE CHOICES BELOW:

COMMON NAME	SCIENTIFIC NAME
RED SUNSET MAPLE	ACER RUBRUM "RED SUNSET"
HONEY LOCUST	GLADISTIA TRIACANTHOS INERMIS
AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS
GREENSPIRE LINDEN	TILIA CORDATA "GREENSPIRE"

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE
**PROPOSED
STREET TREE
PLAN**

DRAWING TITLE
KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

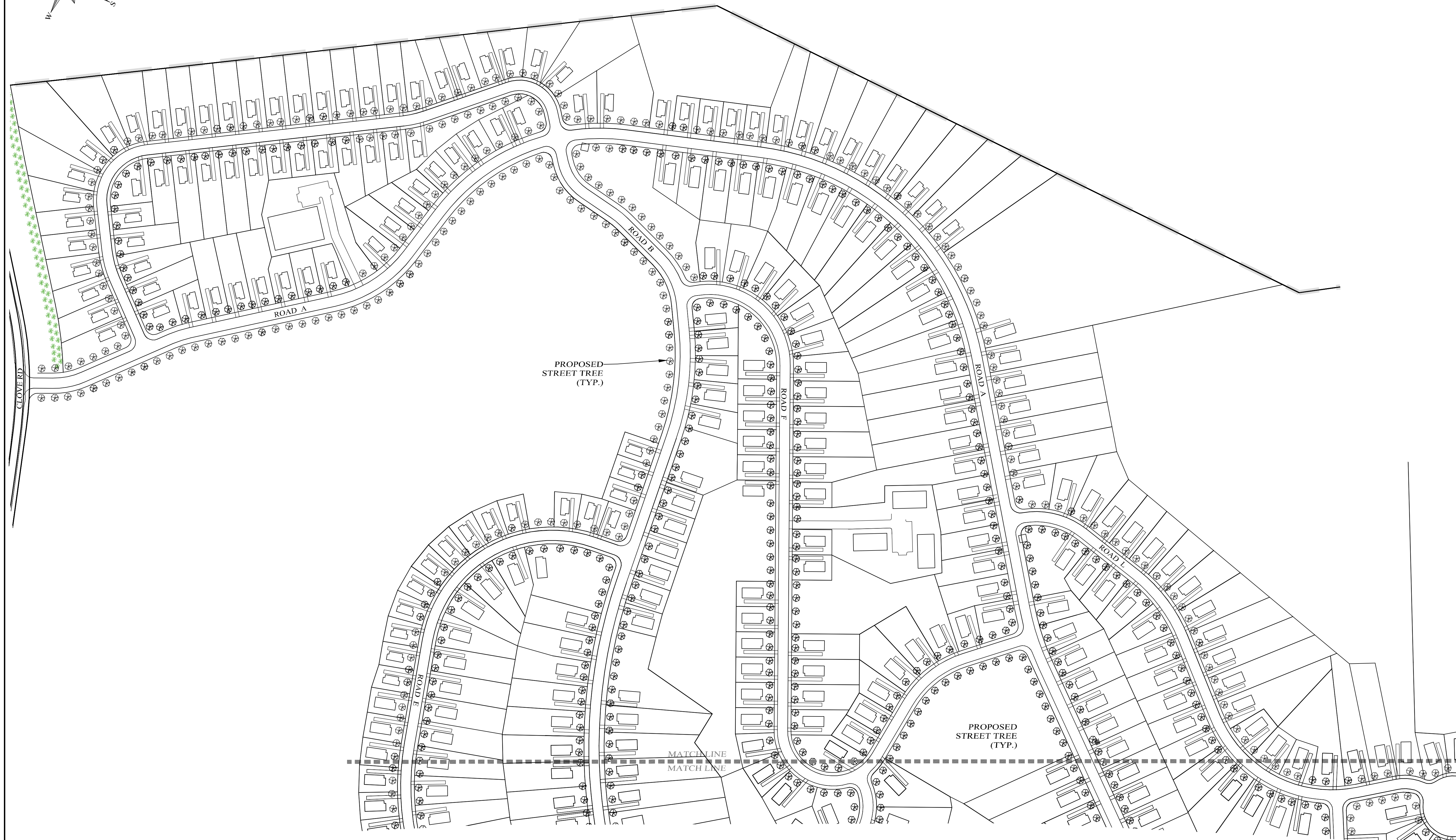
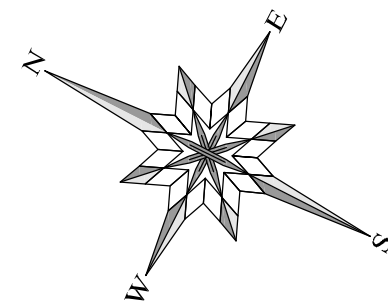


LEGEND

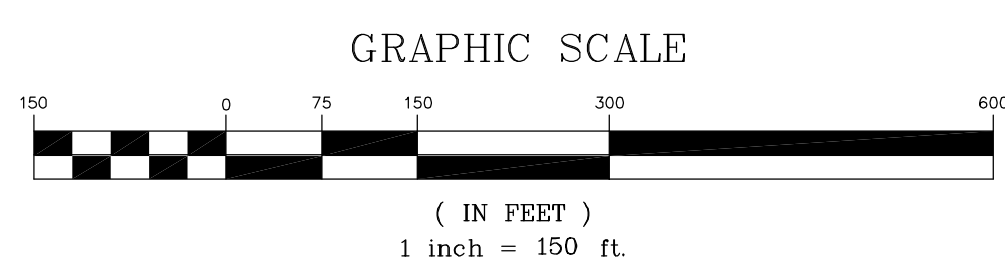
EXISTING PROPERTY LINE	
PROPOSED PROPERTY LINE	
PROPOSED EDGE OF PAVEMENT	
EXISTING EDGE OF PAVEMENT	
PROPOSED STREET TREE	

DATE	REV.	PER	DEIS	COMMENTS
10-27-21	REV.	PER	DEIS	COMMENTS
08-06-18	INITIAL	PREPARATION		

D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	ST 1
CAD #	PROJECT #	SCALE	
14107 TREE	14107.0	AS SHOWN	



- STREET TREE NOTES:**
- TREES TO BE 2-1/2" TO 3" CALIPER, BALLED AND BURLAPPED AND MEET AMERICAN NURSERYMAN'S STANDARDS.
 - TREES TO BE PLANTED 40 FEET ON CENTER.
 - PROVIDE A MIX FROM THE CHOICES BELOW:
- | COMMON NAME | SCIENTIFIC NAME |
|-------------------|-------------------------------|
| RED SUNSET MAPLE | ACER RUBRUM "RED SUNSET" |
| HONEY LOCUST | GLEDITSIA TRIACANTHOS INERMIS |
| AMERICAN SYCAMORE | PLATANUS OCCIDENTALIS |
| GREENSPIRE LINDEN | TILIA CORDATA "GREENSPIRE" |



LEGEND

EXISTING PROPERTY LINE	=====
PROPOSED PROPERTY LINE	=====
PROPOSED EDGE OF PAVEMENT	=====
EXISTING EDGE OF PAVEMENT	=====
PROPOSED STREET TREE	⊗

DATE	REVISIONS
10-27-21	REV. PER DEIS COMMENTS
08-06-18	INITIAL PREPARATION

Lands of
CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

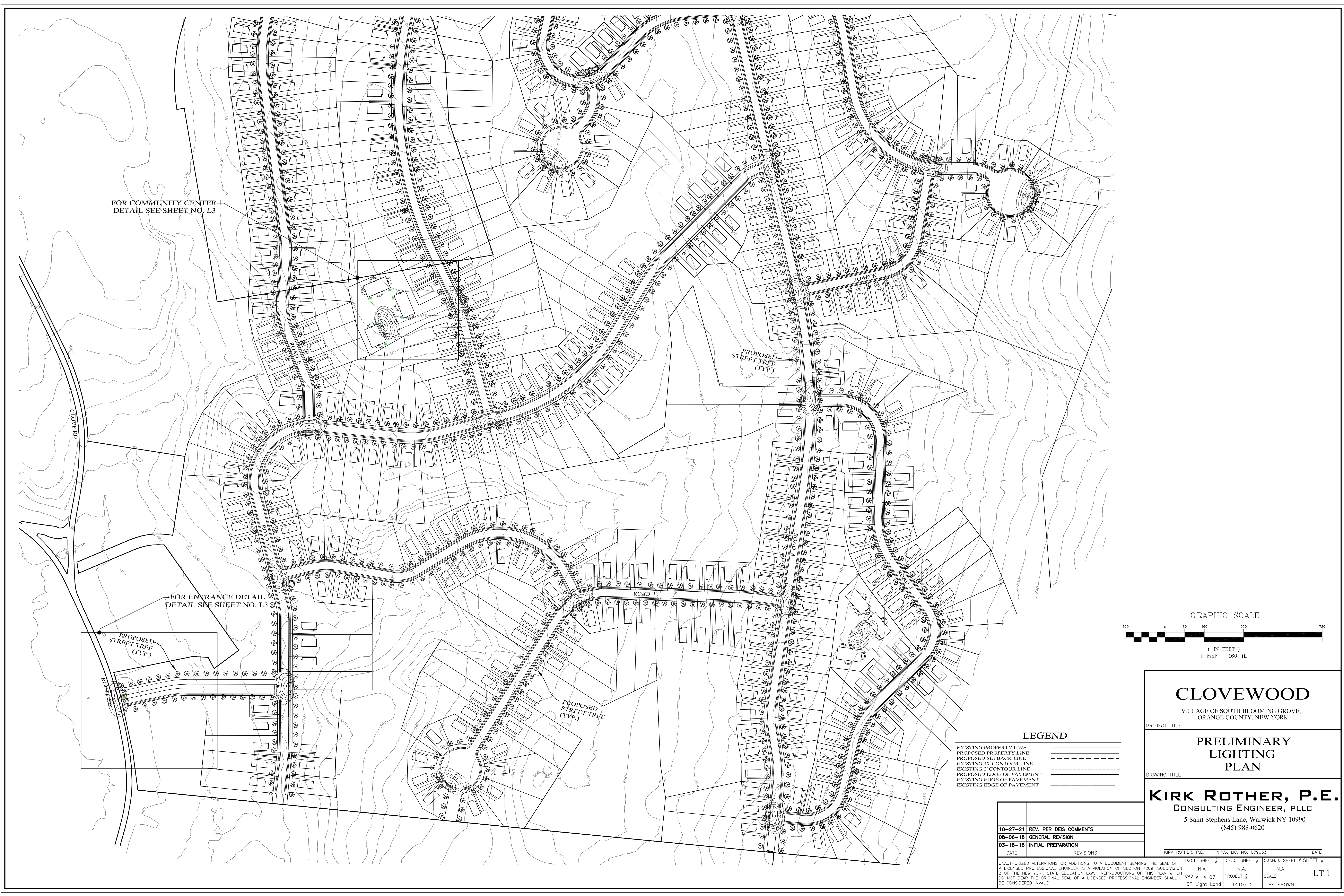
PROJECT TITLE
**PROPOSED
STREET TREE
PLAN**

DRAWING TITLE
KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #
N.A.	N.A.	N.A.
CAD #	PROJECT #	SCALE
14107 TREE	14107.0	AS SHOWN

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ST 2



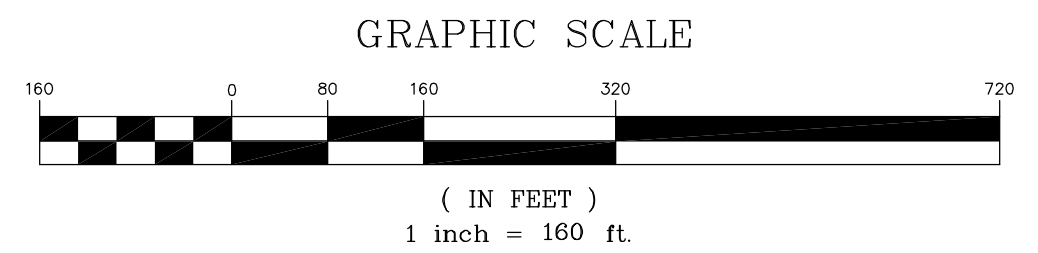
FOR COMMUNITY CENTER
DETAIL SEE SHEET NO. L3

FOR ENTRANCE DETAIL
DETAIL SEE SHEET NO. L3

PROPOSED
STREET TREE
(TYP.)

PROPOSED
STREET TREE
(TYP.)

PROPOSED
STREET TREE
(TYP.)



LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT

CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**PRELIMINARY
LIGHTING
PLAN**

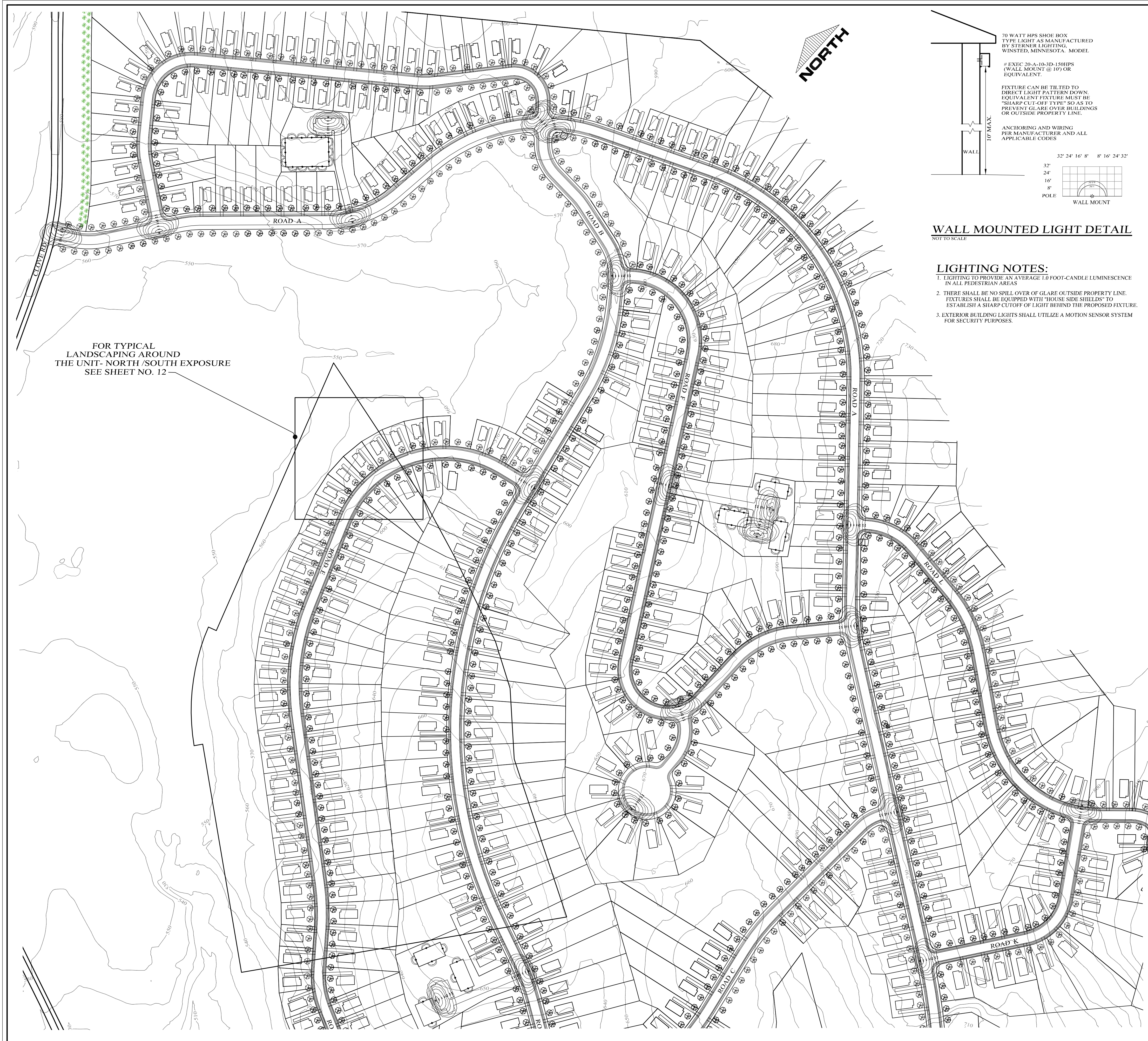
DRAWING TITLE

KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

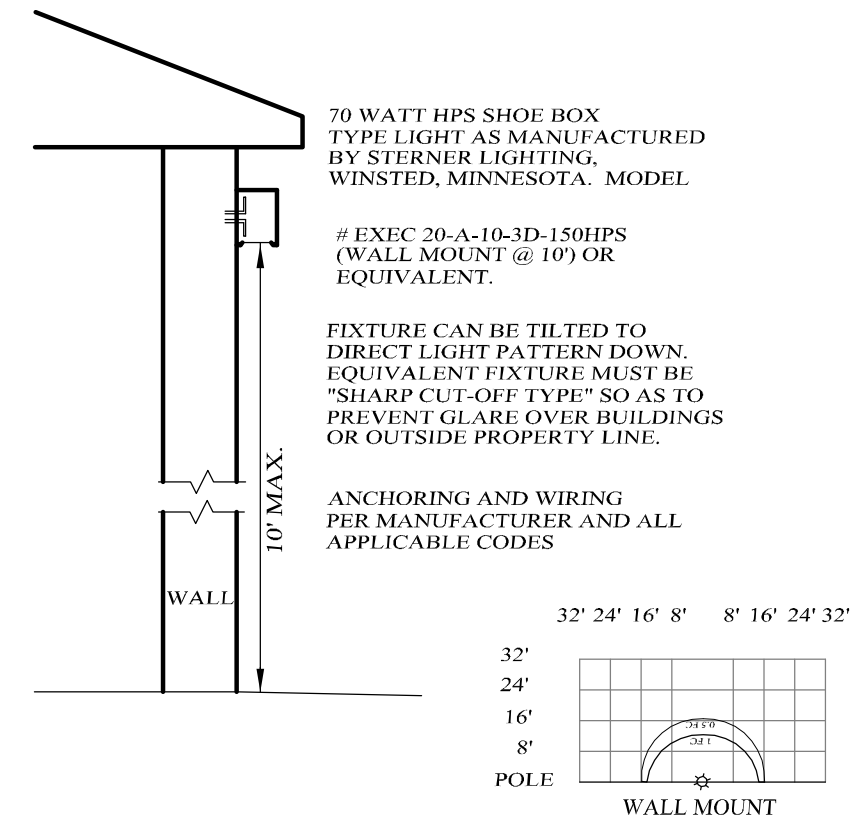
10-27-21	REV. PER DEIS COMMENTS
08-06-18	GENERAL REVISION
03-18-18	INITIAL PREPARATION
DATE	REVISIONS

KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053	DATE
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #
N.A.	N.A.	N.A.
CAD # 14107	PROJECT #	SCALE
SP Light Land	14107.0	AS SHOWN

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.

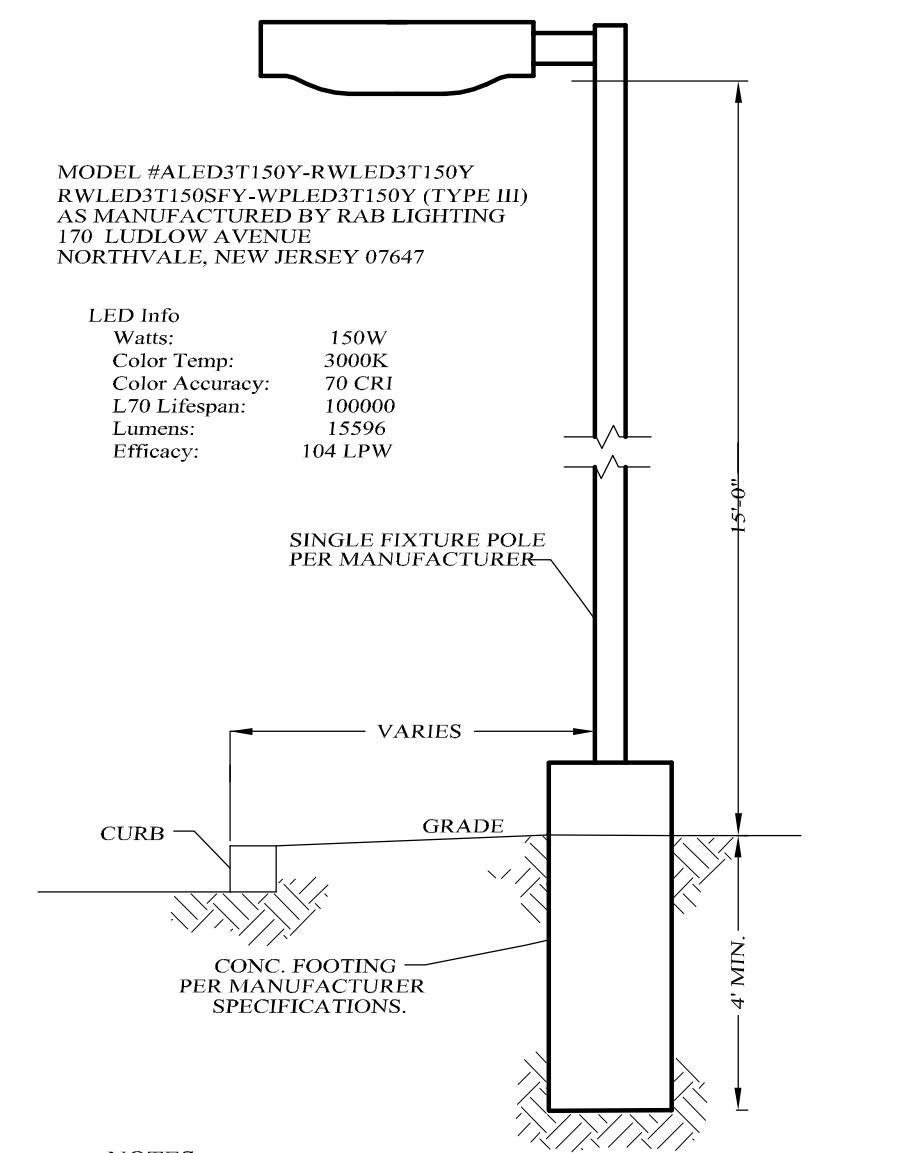
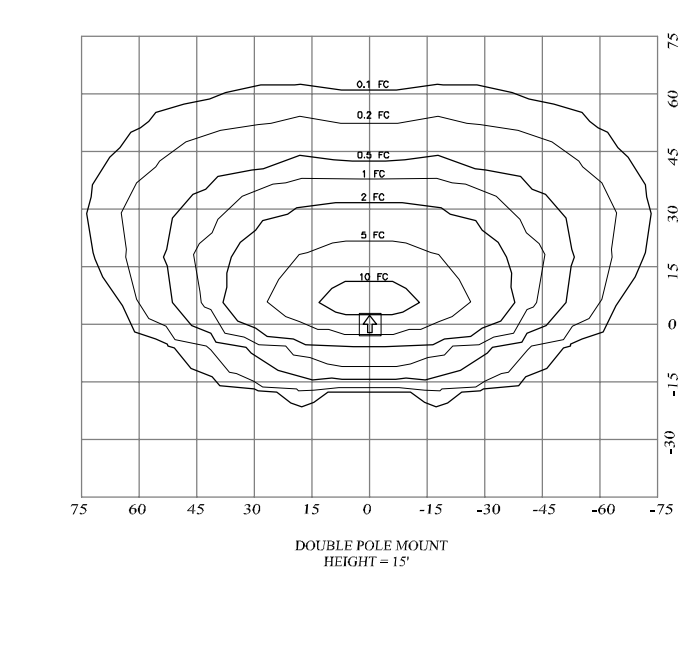


FOR TYPICAL LANDSCAPING AROUND THE UNIT- NORTH /SOUTH EXPOSURE SEE SHEET NO. 12



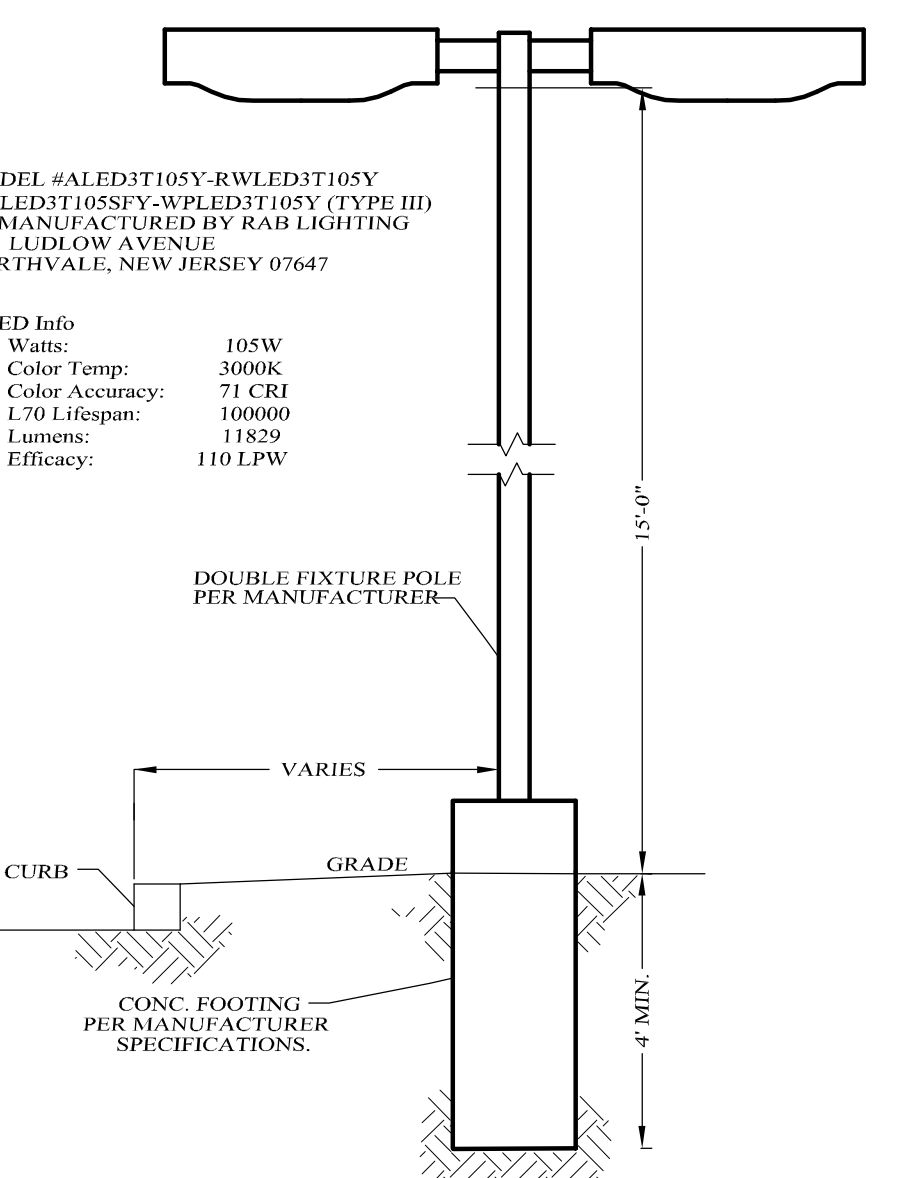
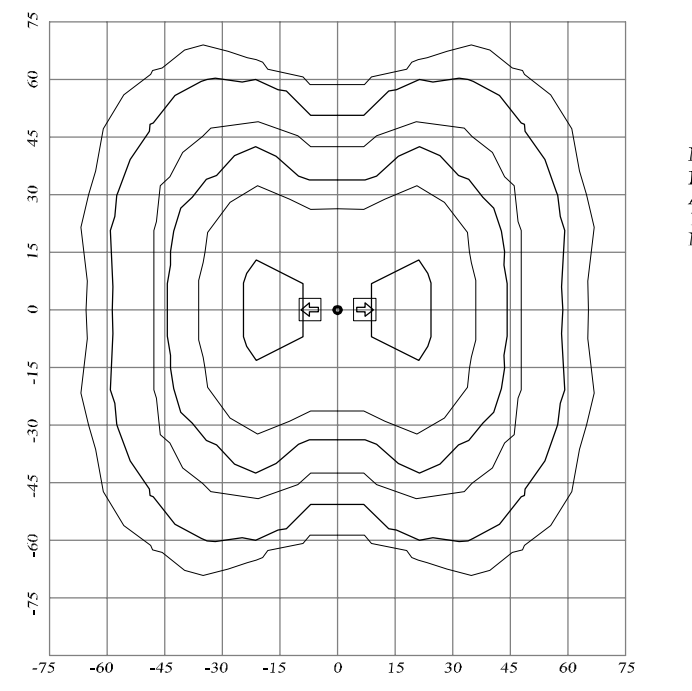
WALL MOUNTED LIGHT DETAIL
NOT TO SCALE

- LIGHTING NOTES:**
1. LIGHTING TO PROVIDE AN AVERAGE 10 FOOT-CANDLE LUMINESCENCE IN ALL PEDESTRIAN AREAS.
 2. THERE SHALL BE NO SPILL OVER OF GLARE OUTSIDE PROPERTY LINE. FIXTURES SHALL BE EQUIPPED WITH "HOUSE SIDE SHIELDS" TO ESTABLISH A SHARP CUTOFF OF LIGHT BEHIND THE PROPOSED FIXTURE.
 3. EXTERIOR BUILDING LIGHTS SHALL UTILIZE A MOTION SENSOR SYSTEM FOR SECURITY PURPOSES.



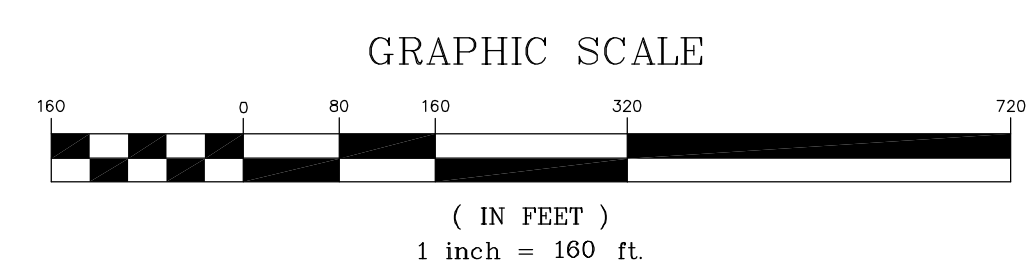
POLE MOUNTED SINGLE LIGHT DETAIL
NOT TO SCALE

- NOTES:**
1. ALL ELECTRICAL COMPONENTS TO BE AS SPECIFIED BY MANUFACTURER AND INSTALLED IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES.



POLE MOUNTED DOUBLE LIGHT DETAIL
NOT TO SCALE

- NOTES:**
1. ALL ELECTRICAL COMPONENTS TO BE AS SPECIFIED BY MANUFACTURER AND INSTALLED IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES.



LEGEND

EXISTING PROPERTY LINE	—————
PROPOSED PROPERTY LINE	—————
PROPOSED SETBACK LINE	-----
EXISTING 10' CONTOUR LINE
EXISTING 2' CONTOUR LINE
PROPOSED EDGE OF PAVEMENT	—————
EXISTING EDGE OF PAVEMENT	—————

10-27-21	REV. PER DEIS COMMENTS		
08-06-18	GENERAL REVISION		
03-18-18	INITIAL PREPARATION		
DATE	REVISIONS		
UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7219, SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID.		KIRK ROTHER, P.E.	N.Y.S. LIC. NO. 079053
D.O.T. SHEET #	D.E.C. SHEET #	D.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	LT 2
CAD # 14107	PROJECT #	SCALE	
SP Light Land	14107.0	AS SHOWN	

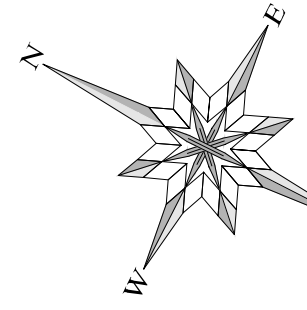
CLOEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

PRELIMINARY LIGHTING PLAN

DRAWING TITLE

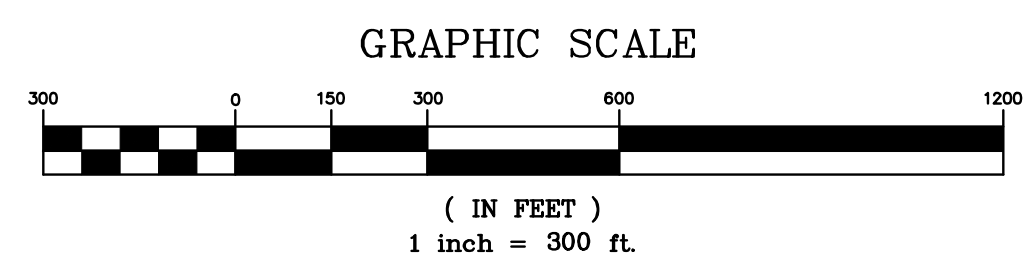
KIRK ROTHER, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620



- GENERAL NOTES:**
1. VILLAGE OF SOUTH BLOOMING GROVE TAX MAP DESIGNATION: SEC. 208, BLK. 1, LOTS 2 & 3.
 2. AREA OF PARCEL PER SURVEY BY LANC & TULLY P.C. 708.172 AC.
 3. TOTAL PROPOSED NUMBER OF SINGLE FAMILY LOTS: 600
 4. TOTAL PROPOSED AFFORDABLE HOUSING LOTS: 34
 5. EXISTING FEATURES AND INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES.

LEGEND

EXISTING PROPERTY LINE	—————
PROPOSED PROPERTY LINE	—————
EXISTING 10' CONTOUR LINE	-----
EXISTING 2' CONTOUR LINE	-----
EXISTING DEC WETLANDS	-----
EXISTING FEDERAL WETLANDS	-----
PROPOSED EDGE OF PAVEMENT	-----
EXISTING EDGE OF PAVEMENT	-----



10-27-21	REV. PER DEIS COMMENTS
01-29-19	PRELIMINARY DESIGN
10-26-18	ADD WATER TOWER LOCATION
08-06-18	INITIAL PREPARATION
DATE	REVISIONS

CLOVEWOOD
VILLAGE OF SOUTH BLOOMING GROVE,
ORANGE COUNTY, NEW YORK

PROJECT TITLE

**WELL
ACCESS ROAD
PLAN**

DRAWING TITLE

Kirk Rother, P.E.
CONSULTING ENGINEER, PLLC
5 Saint Stephens Lane, Warwick NY 10990
(845) 988-0620

KIRK ROTHER, P.E. N.Y.S. LIC. NO. 079053		DATE	
D.O.T. SHEET #	D.E.C. SHEET #	O.C.H.D. SHEET #	SHEET #
N.A.	N.A.	N.A.	WA 1
CAD #	PROJECT #	SCALE	
14107 BASE	14107.0	AS SHOWN	

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