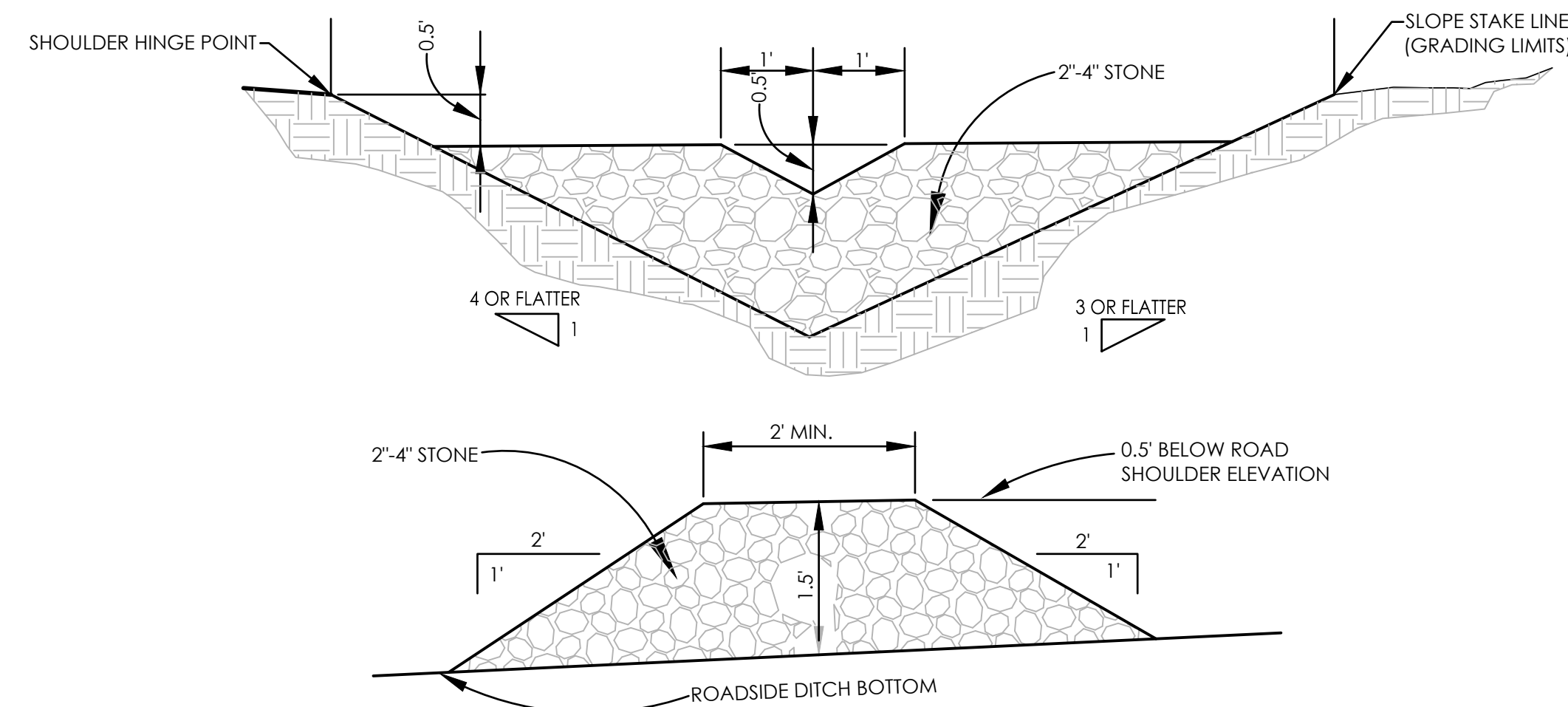


**PROPOSED 24' TYPICAL SECTION**

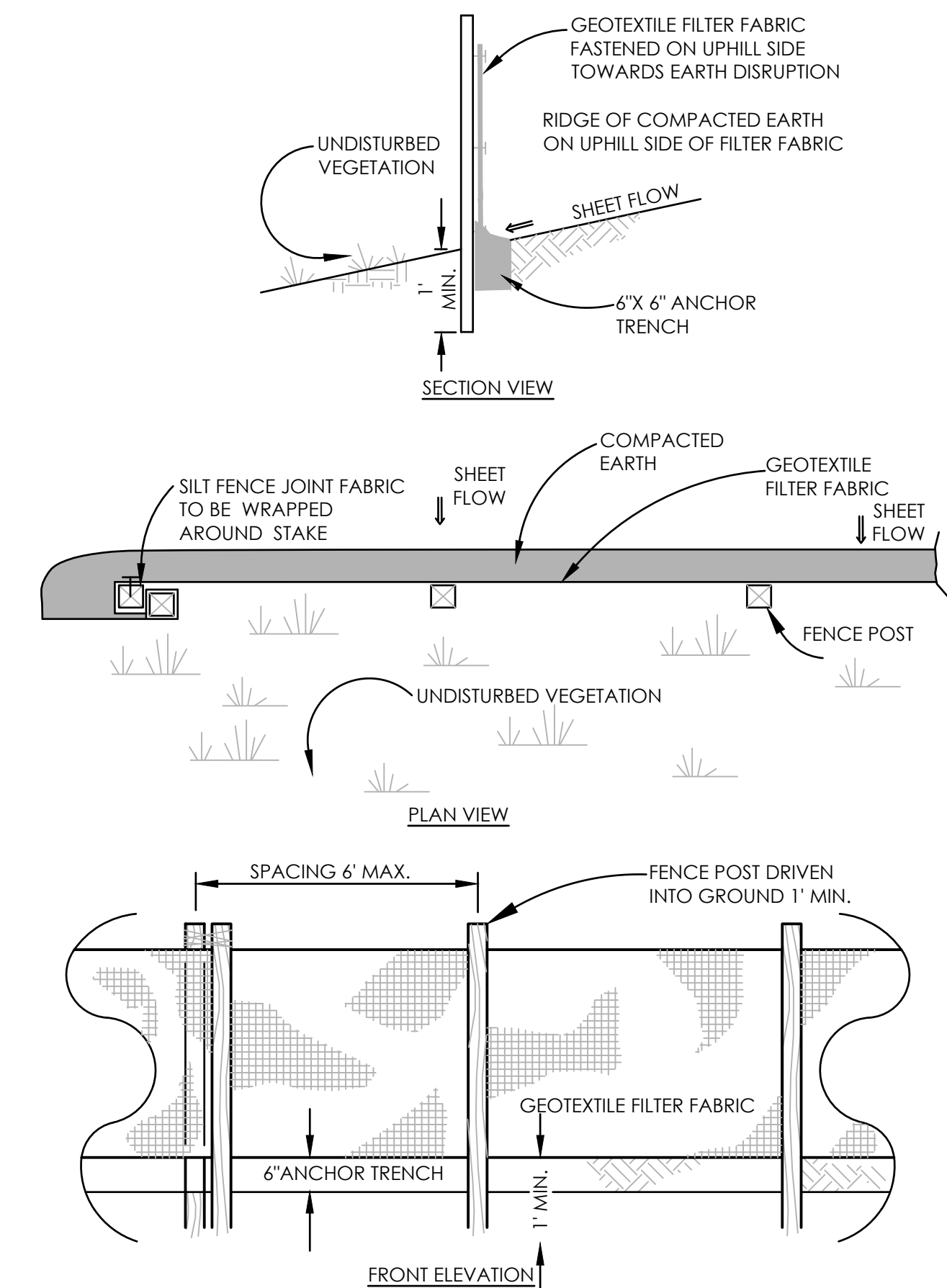
TYPICAL TO APPLY:  
PRIVATE RD  
P.O.B. TO P.O.E.  
(SEE PLAN SHEETS FOR VARIANCES, TAPERS,  
INTERSECTION GRADING, ETC.)  
SCALE: 1" = 5'

**HMA APPLICATION ESTIMATE**

INDENT NO.	ITEM	RATE: LBS/SYD	PERFORMANCE GRADE	REMARKS
T1	HMA 13A	165	58-28	TOP COURSE (AWI 220 MIN.)
L1	HMA 13A	165	58-28	LEVELING COURSE
BC	HMA BOND COAT	0.05-0.15 g/syd	NA	FOR INFORMATION ONLY
-	HMA APPROACH	330	58-28	TWO LIFTS: (MATCH T1 & L1)



**STONE CHECK DAM DETAIL**  
NO SCALE



**SILT FENCE DETAILS**  
NO SCALE

830 Cottageview Dr., Ste. 201  
P.O. Box 4015  
Troy, MI 48065  
Phone: 231-946-9310  
www.mmaeps.com  
inf@mmaeps.com

**Mansfield**  
Land Use Consultants

REV	DATE	BY	CHK	DESCRIPTION
01	12-11-19	dlm	dlm	Original design
02	09-19-19	dlm	dlm	Revised design
03	09-03-20	dlm	dlm	Township Submittal

Joe Quandt  
Prop. Replat of Orchard View - A Site Condo.  
**TYPICAL SECTIONS**  
Section 33, Town 29 North, Range 09 West  
Elk Rapids Township, Antrim County, Michigan

PRELIMINARY

SCALE: dlm

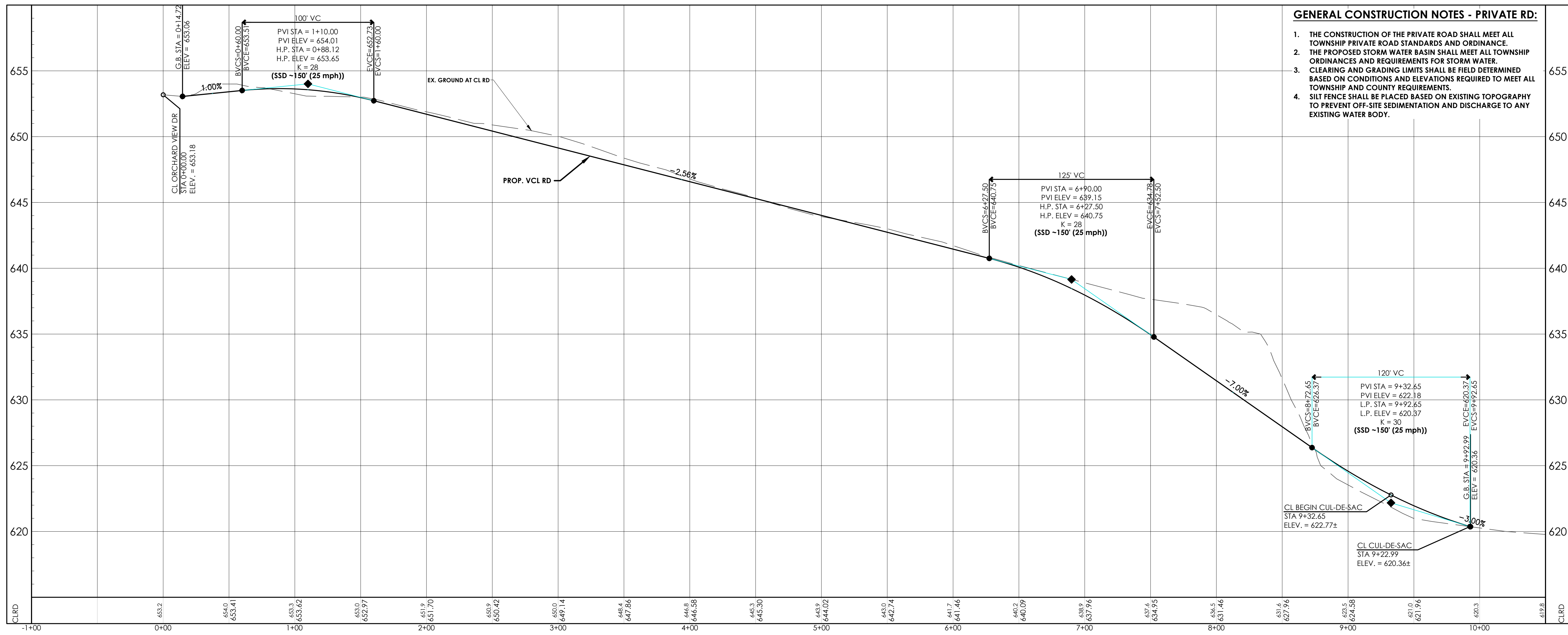
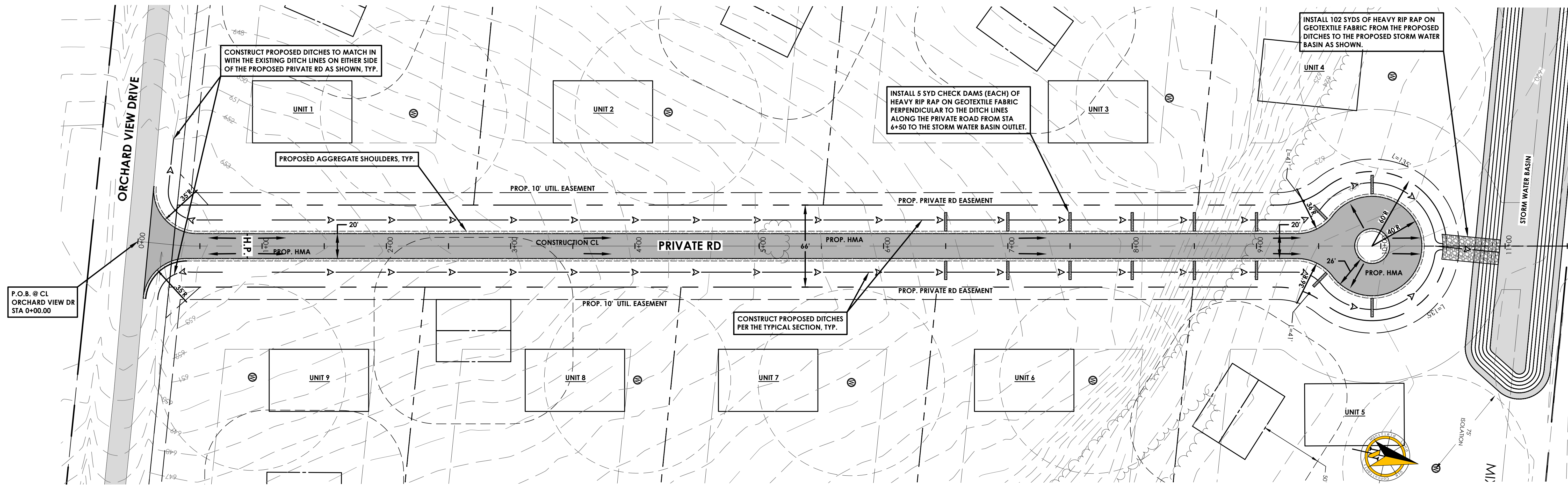
DATE: 09.11.19

JOB NO: 19187

C2.1

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830 Cottageview Dr., Ste. 201  
 P.O. Box 4015  
 Traverse City, MI 49685  
 Phone: 231-946-9310  
 www.maeprs.com  
 info@maeprs.com

**Mansfield**  
 &  
**Land Use Consultants**

REV#	DATE	BY	CHK	DESCRIPTION
01	09-11-19	dim	dim	Original design
02	09-19-19	dim	dim	Revised design
03	09-03-20	dim	dim	Township Submittal

Joe Quant  
 Prop. Replat of Orchard View - A Site Condo.  
**PRIVATE RD - PLAN & PROFILE: P.O.B. TO STA 9+92.99**  
 Section 33, Town 29 North, Range 09 West  
 Elk Rapids Township, Antrim County, Michigan

SCALE: 1"=40' H, 1"=4' V

PRELIMINARY

DATE: 09/11/19

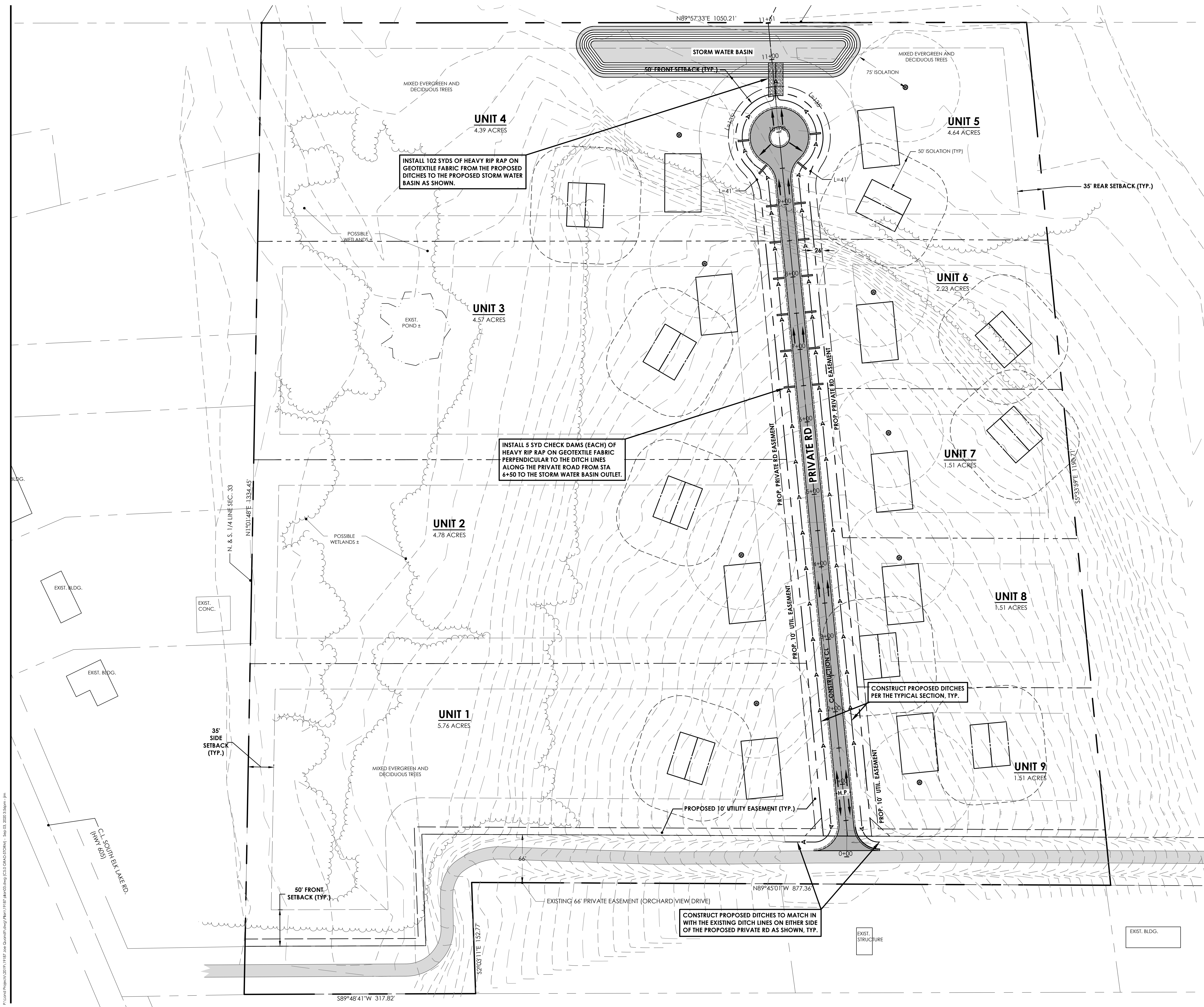
DATE: 09/11/19

NO: 19187

C4.1

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**GENERAL CONSTRUCTION NOTES - GRADING:**

- RESTORATION SHALL INCLUDE FURNISHING AND PLACING 4" OF TOPSOIL AND HYDRO-SEEDING (OR SEED, FERTILIZER AND MULCH) TO THE EXTENTS OF THE DISTURBED AREAS ON THE SITE. MULCH BLANKET IS REQUIRED WHERE SLOPES ARE 3:1 OR GREATER.
- THE PROPOSED DITCHES SHALL COLLECT ALL ROAD AND FUTURE DRIVEWAY DRAINAGE, TO THE EXTENT FEASIBLE, AND CONDUCT THE STORM WATER TO THE PROPOSED STORM WATER BASIN AT THE END OF THE CUL-DE-SAC.
- THE PROPOSED STORM WATER BASIN SHALL MEET ALL TOWNSHIP ORDINANCES AND REQUIREMENTS FOR STORM WATER.

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 Phone: 231-946-9310  
 www.mansfield.com  
 info@mansfield.com

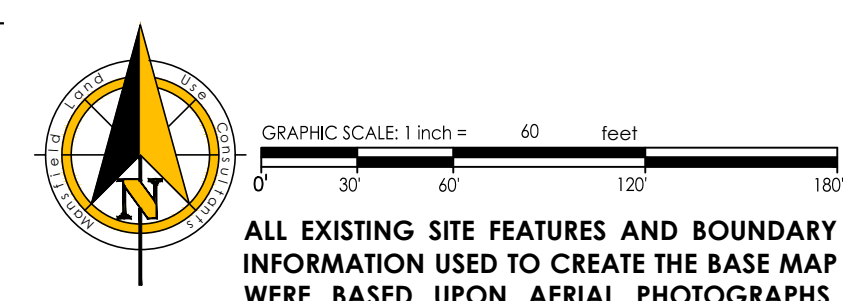
# Mansfield

Land Use Consultants

REV#	DATE	DIS.	DRN.	CHK.	DESC.
01	09-11-19	dim	mmmm	dim	Original design
02	09-19-19	dim	mmmm	dim	Revised design
03	09-03-20	dim	feh	dim	Township Submittal

Joe Quantl  
 Prop. Replat of Orchard View - A Site Condo.  
**GRADING & STORM PLAN**  
 Section 33, Town 29 North, Range 09 West  
 Elk Rapids Township, Antrim County, Michigan

PRELIMINARY  
 SCALE: 1 inch = 40 feet  
 19187  
 C5.0



ALL EXISTING SITE FEATURES AND BOUNDARY INFORMATION USED TO CREATE THE BASE MAP WERE BASED UPON AERIAL PHOTOGRAPHS, TAX MAPS, CONDOMINIUM DOCUMENTS, BOUNDARY AND TOPOGRAPHIC SURVEYS PERFORMED BY OTHERS. MANSFIELD LAND USE CONSULTANTS MAKES NO GUARANTEE TO THE CORRECTNESS NOR THE COMPLETENESS OF THIS INFORMATION.

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