

PLAT OF SURVEY & EROSION CONTROL PLAN

OF
LOT 13, BLOCK 2 OF PEBBLE BEACH SUBDIVISION LOCATED IN SECTIONS 25 & 26, T.4N., R.16E.,
LAGRANGE TOWNSHIP, WALWORTH COUNTY, WISCONSIN.



ORDERED BY: Tom Wellnitz
1001 Highway 14
Janesville, WI 53545

OWNERS: Dave & Bonnie Nordentoft
303 1/2 Washington Street
Delavan, WI 53115

ZONING: R1

PROPOSED CONSTRUCTION SCHEDULE

- Clearing and grading
- Begin building
- Temporary seed and mulch in place
- Install permanent landscape

REVEGETATION

- Temporary: grass seed and straw mulch
- Permanent: various native and drought tolerant shrubs/trees

SHEET FLOW RUNOFF CALCULATIONS

Sheet flow runoff through the disturbed site from the North travel a distance of less than 300 feet. Hence Manning's kinematic solution may be used to calculate runoff velocity. (See Wisconsin Construction Site Best Management Practice Handbook, Chapter 6, page 11. Further page references are to Chapter 6 of this handbook.)

$$T = \frac{0.007 (nL)^{0.8}}{(PI0)^{0.5} S^{0.4}}$$

where
T = travel time (hrs.)
n = Manning's roughness coefficient = 0.24 for dense grasses (page 11).
L = flow length (ft.)
PI0 = 10-year, 24 hour rainfall (in.) = 4.1" (page 6)
S = slope of hydraulic grades (land slope, ft./ft.) = 0.1

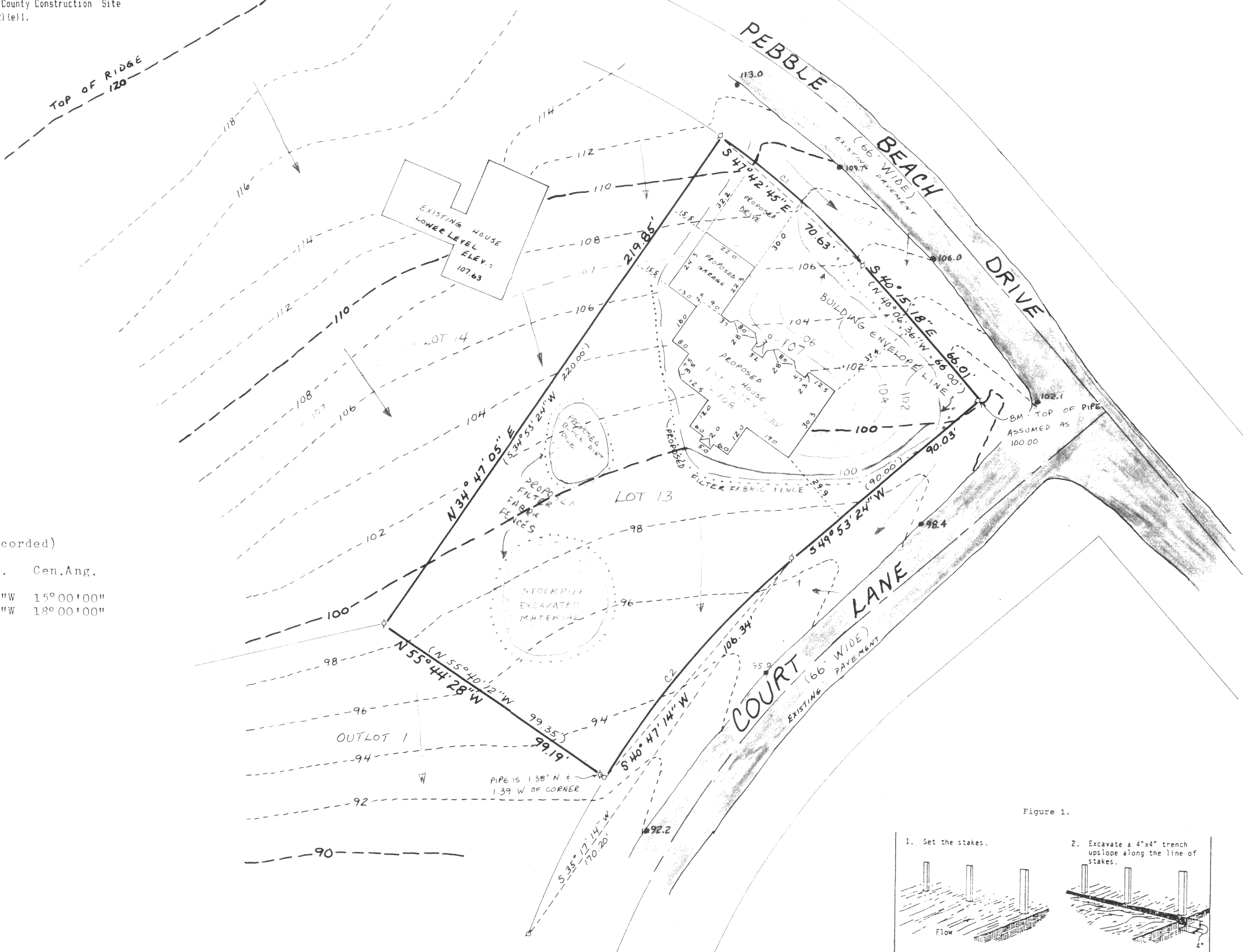
Thus, T for a 300 foot slope = 0.2658 hrs. and average velocity = 0.31 ft./sec. Therefore, the sheet flow runoff velocity over the disturbed site is less than 0.5 ft./sec., and diversion of such runoff is not necessary - see Walworth County Construction Site Erosion Control Ordinance, Sec. 59.974(2)(e).

Bearings are referenced to the Northwestern line of Court Lane, recorded as S40°53'24"W in the recorded subdivision plat.

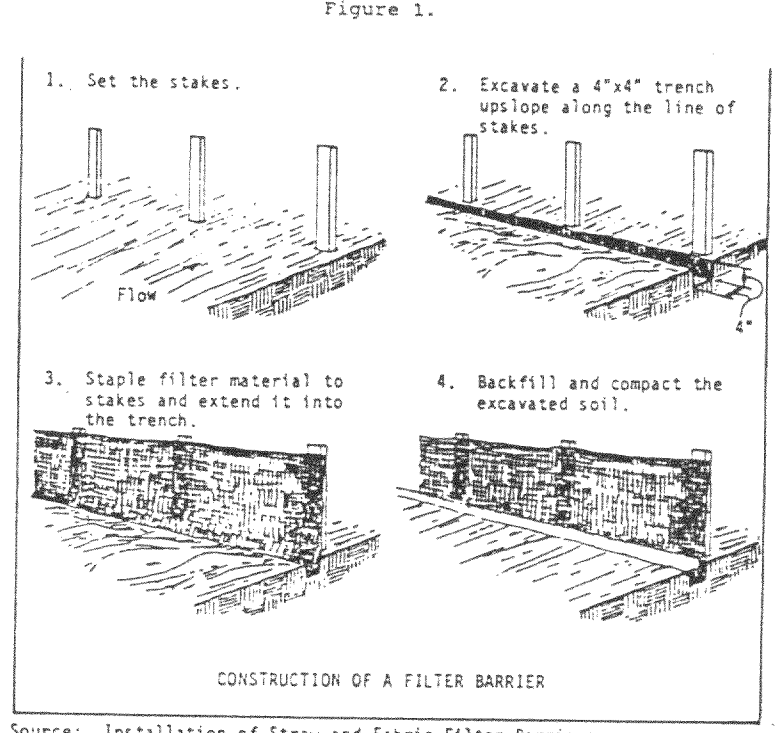
Elevations are referenced to the Northeastly lot corner of Lot 13, assumed as 100.00.

CURVE DATA TABLE (recorded)

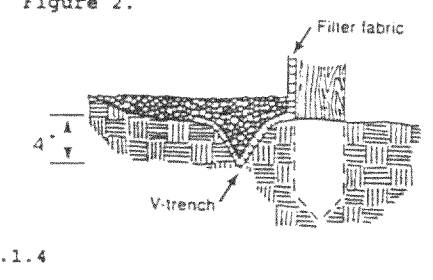
Curve No.	Radius	Chd.	Chd. Brg.	Cent. Ang.
1	270.47	70.61	N47°36'36"W	15°00'00"
2	340.00	106.38	S40°53'24"W	18°00'00"



- NOTE: House was staked on actual corners using wood stakes.
- Note: This survey plat is not certified unless signed and sealed in red ink.
- NOTE: Building inspector shall approve proposed first floor elevation.

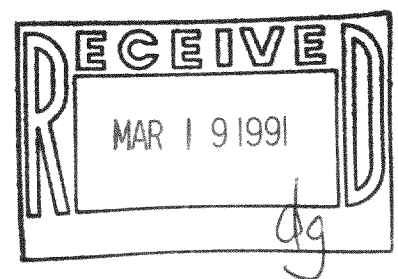


Source: Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyatt



I, Thomas P.A. Jensen, Wisconsin Registered Land Surveyor, do hereby certify that this survey was performed by me, or under my direction, in full compliance with the owner's/agent's instructions and Chapter A-E 7 of the Wisconsin Administrative Code "Minimum Standards For Property Surveys"; and that this map is an accurate representation thereof to the best of my knowledge and belief.

Thomas P.A. Jensen R.L.S-1084
Jensen Surveying & Mapping S.C.



Copyright © 1990 by Jensen Surveying & Mapping S.C.

All rights reserved. No part of this survey plat may be reproduced or transmitted in any form by any means - graphic, electronic, or mechanical, including photocopying, tracing, or information storage and retrieval systems - without permission in writing from Thomas P.A. Jensen, Jensen Surveying & Mapping S.C.

416-700 HPE00036