

EROSION CONTROL PLAN ON PLAT OF SURVEY OF LOTS 1,2,3, & THE NORTH 1/2 OF LOT 4,
LONG POINT SUBDIVISION, LOCATED IN THE NE 1/4 OF THE SE 1/4 OF
SECTION 26, TOWN 4 NORTH, RANGE 16 EAST, TOWN OF LAGRANGE,
WALWORTH COUNTY, WISCONSIN.

SURVEY BY ~

JENSEN SURVEYING & MAPPING S.C.
P.O. BOX 322 ELKHORN, WISC. 53121
PHONE (414) 723-3434

OWNER: JAMES E. REHM
1230 N. WESTERN AVE.
LAKE FOREST, IL 60045
(414) 742-3355

PROPOSED CONSTRUCTION SCHEDULE

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

REVEGETATION

- A. Temporary: Grass seed mix and 2" straw mulch
B. Permanent: Various native and drought tolerant shrubs and trees.

SHEET FLOW RUNOFF CALCULATIONS

Sheet flow runoff through the disturbed site from the North travels a distance of less than 100 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.)

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

where
T = travel time (hrs.)

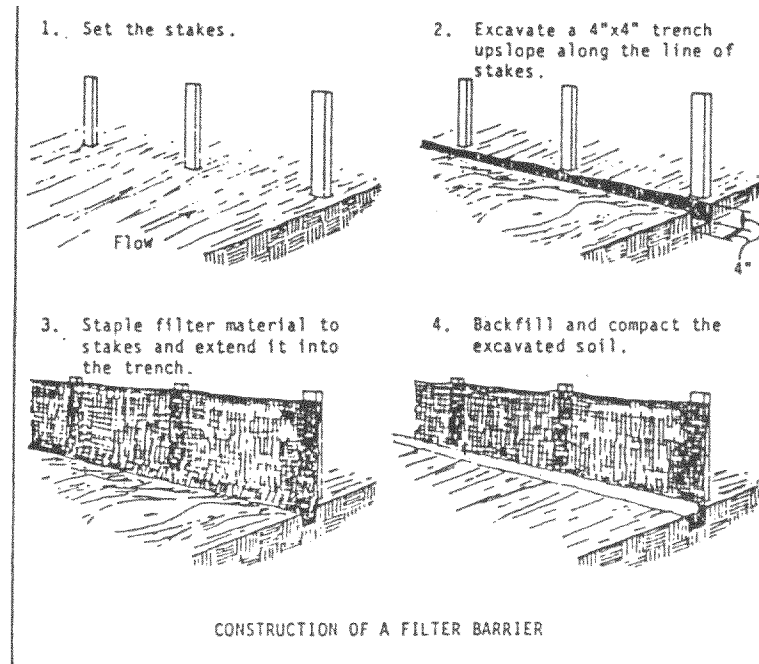
n = Manning's roughness coefficient = 0.24 for dense grasses (page 11).

L = flow length (ft.)

PI = 10-year, 24 hour rainfall (in.) = 4.1" (page 6)

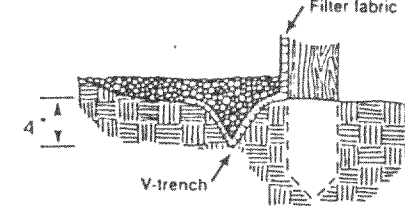
S = slope of hydraulic grades (land slope, ft./ft.) = 0.15

Thus, T for a 100 foot slope = 0.0939 hrs. and average velocity = 0.30 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).



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

Figure 2.



Fabric specifications - The filter fabric shall meet the following specifications:

- Crab strength: 100 lb. minimum in any principal direction (ASTM D-1682)
- Mullen Burst: Minimum 200 psi (ASTM D-3786)
- Equivalent opening size:
 - between 50 and 140 for soils with more than 15 percent by weight passing a No. 200 sieve
 - between 20 and 50 for soils with less than 15 percent by weight passing a No. 200 sieve
- Water Flow Rate of 10 gal/min/ft² at 50MM constant head as determined by multiplying permeability in sec. as determined by ASTM D-4691 by a conversion factor of 74;
- Ultra violet radiation stability of 90%.
- Fabric with support netting shall be reinforced with an industrial polypropylene netting with a 3/4 inch spacing or equivalent. A heavy duty nylon top support cord or equivalent is required.

Proposed first floor elevations: 901.00

Proposed first floor elevation shall be approved by the building inspector, the owner, and the contractor.

Approved: _____ Building inspector

Approved: _____ Owner

Approved: _____ Contractor

SCALE ~ 1" = 20'

LEGEND

- - FOUND CONCRETE MONUMENT
- - FOUND IRON PIPE WITH SQUARE KNOT
- - FOUND 1/4 DIA IRON PIPE
- - SET 1/4" DIA IRON PIPE
- - SET 3/4" DIA IRON PIPE
- - FOUND 3/4" DIA IRON PIPE
- - SPOT ELEVATION
- ~ FILTER TRENCH (UNDESIGNED)

DESCRIPTION

Easement

Easement for ingress and egress to Green Lake over the following described parcel: being part of Lots 3 and 4 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, more particularly described as follows: Commence at a found concrete monument on the West line of said Lot 1, said monument being on a meander line S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line, 80.41 feet; thence S54°21'33"E, along said meander line, 56.44 feet; thence S39°42'02"E, along said meander line, 158.15 feet, to the end of said meander line, said point being S48°12'47"W 15.3 feet more or less from the shore of Green Lake, said point also being the point of beginning; thence S48°12'47"W 127.11 feet to the centerline of a 19 foot wide road; thence N35°01'45"W, along said centerline, 10.07 feet; thence N55°01'45"W, along said centerline, 10.07 feet; thence N48°12'47"E 105.26 feet; thence N41°20'42"W 21.22 feet to the Anderson Boat House; thence N47°12'39"E, along said boat house, 47.2 feet more or less to the edge of Anderson Seawall and the shore of Green Lake; thence Southeastly along said seawall and shore, 32 feet, more or less, to a point that is N48°12'47"E 15.3 feet more or less from the point of beginning; thence S48°12'47"W 15.3 feet more or less to the point of beginning.

Description A

Being part of Lots 1 and 2 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a concrete monument on the west line of said Lot 1, said monument being on a meander line, S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line, 80.41 feet to an iron pipe, said pipe being thence S7°29'36"W 106.00 feet to an iron pipe; thence S66°27'10"W 29.71 feet to an iron pipe; thence S1°30'39"E 39.15 feet to the point of beginning; thence N65°07'22"W 20.16 feet; thence N0°30'00"W 68.47 feet; thence N72°13'17"E 47.72 feet; thence N17°46'43"E 20.00 feet; thence S72°13'17"E 54.00 feet; thence S17°46'43"E 20.00 feet; thence S0°30'00"E 70.40 feet; thence S65°07'22"E 26.93 feet; thence N1°30'39"W 6.70 feet to the point of beginning.

Description B

Being part of Lots 1, 2 and 3 Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a concrete monument on the west line of said Lot 1, said monument being on a meander line, S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line, 80.41 feet to an iron pipe, said pipe being S7°29'36"W 11 feet more or less from the shore of Green Lake; thence S7°29'36"W 106.00 feet to an iron pipe; thence S66°27'10"W 29.71 feet to an iron pipe; thence S1°30'39"E 39.15 feet to the point of beginning; thence N65°07'22"E 20.16 feet; thence N0°30'00"W 68.47 feet; thence N72°13'17"E 47.72 feet; thence N17°46'43"E 20.00 feet; thence S72°13'17"E 54.00 feet; thence S17°46'43"E 20.00 feet; thence S0°30'00"E 70.40 feet; thence S65°07'22"E 26.93 feet; thence N1°30'39"W 6.70 feet to the point of beginning.

DESCRIPTION

Parcel 1

Being part of Lots 1 and 2 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a concrete monument on the West line of said Lot 1, said monument being on a meander line S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line, 80.41 feet to an iron pipe, said pipe being S7°29'36"W 11 feet more or less from the shore of Green Lake; thence S7°29'36"W 106.00 feet to an iron pipe; thence S66°27'10"W 29.71 feet to an iron pipe; thence S1°30'39"E 39.15 feet to the point of beginning; thence N65°07'22"W 20.16 feet; thence N0°30'00"W 68.47 feet; thence N72°13'17"E 47.72 feet; thence N17°46'43"E 20.00 feet; thence S72°13'17"E 54.00 feet; thence S17°46'43"E 20.00 feet; thence S0°30'00"E 70.40 feet; thence S65°07'22"E 26.93 feet; thence N1°30'39"W 6.70 feet to the point of beginning. Parcel contains 10,006 square feet of land more or less.

Said parcel subject to a septic easement as described in Description A.

DESCRIPTION

Parcel 2

Being part of Lots 1, 2, and 3 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a concrete monument on the West line of said Lot 1, said monument being on a meander line S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line, 80.41 feet to an iron pipe; thence S7°29'36"W 106.00 feet to an iron pipe; thence S66°27'10"W 29.71 feet to an iron pipe; thence S1°30'39"E 39.15 feet to the point of beginning; thence N65°07'22"W 20.16 feet; thence N0°30'00"W 68.47 feet; thence N72°13'17"E 47.72 feet; thence N17°46'43"E 20.00 feet; thence S72°13'17"E 54.00 feet; thence S17°46'43"E 20.00 feet; thence S0°30'00"E 70.40 feet; thence S65°07'22"E 26.93 feet; thence N1°30'39"W 6.70 feet to the point of beginning. Parcel contains 14,117 square feet of land more or less. Said parcel subject to a septic easement as described in Description B.

DESCRIPTION

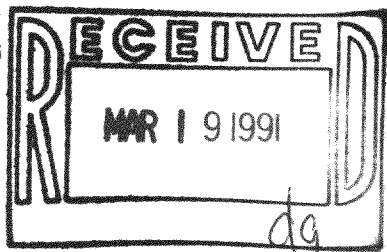
Parcel 3

Being part of Lots 3 and 4 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a found concrete monument on the West line of said Lot 1, said monument being on a meander line S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line 80.41 feet; thence S54°21'33"E, along said meander line 56.44 feet; thence S39°42'02"E, along said meander line 158.15 feet, to the end of said meander line, said point being S48°12'47"W 15.3 feet more or less from the shore of Green Lake, said point also being the point of beginning; thence S48°12'47"W 138.32 feet, to the centerline of a 19 foot wide road; thence N35°01'45"W, along said centerline, 45.09 feet; thence N56°41'10"W, along said centerline, 27.97 feet; thence N60°55'18"E 10.72 feet; thence N58°52'42"E 49.85 feet; thence N60°55'18"E 10.72 feet; thence N58°52'42"E 49.85 feet; thence N60°55'18"E 10.72 feet to a point on a meander line, said point being S16°18'02"W 6.0 feet from the shore of Green Lake; thence S39°42'02"E, along said meander line 115.15 feet to the point of beginning. Also to include all the land between the said meander line and the shore of Green Lake. Parcel contains 11,945 square feet of land more or less.

DESCRIPTION

Parcel 4

Being part of Lots 1,2,3, and 4 of Long Point Subdivision, located in the NE 1/4 of the SE 1/4 of Section 26, T4N, R16E, Town of La Grange, Walworth County, Wisconsin, described as follows: Commence at a found concrete monument on the West line of said Lot 1, said monument being on a meander line S0°30'E 11 feet more or less from the shore of Green Lake; thence N72°29'01"E, along said meander line 80.41 feet; thence S54°21'33"E, along said meander line 56.44 feet; thence S39°42'02"E, along said meander line 158.15 feet, to the end of said meander line, said point being S48°12'47"W 15.3 feet more or less from the shore of Green Lake, said point also being the point of beginning; thence S48°12'47"W 138.32 feet, to the centerline of a 19 foot wide road; thence N35°01'45"W, along said centerline, 45.09 feet; thence N56°41'10"W, along said centerline, 27.97 feet; thence N60°55'18"E 10.72 feet; thence N58°52'42"E 49.85 feet; thence N60°55'18"E 10.72 feet to a point on a meander line, said point being S16°18'02"W 6.0 feet from the shore of Green Lake; thence S39°42'02"E, along said meander line 115.15 feet to the point of beginning. Also to include all the land between the said meander line and the shore of Green Lake. Parcel contains 11,945 square feet of land more or less.



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I, THOMAS P.A. JENSEN, WISC. REGISTERED LAND SURVEYOR, DO HEREBY CERTIFY THAT THIS SURVEY WAS PERFORMED BY ME, OR UNDER MY DIRECTION, IN FULL COMPLIANCE WITH THE OWNERS' / AGENTS' INSTRUCTIONS AND CHAPTER A-ES OF WIS. ADMIN. 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 S-1084

MAPPING DATE ~ JUNE 6, 1985
REVISED ~ OCT. 20, 1987
REVISED ~ AUGUST 17, 1990

HLPN 00001A
HLPN 00001B
HLPN 00001C
HLPN 00001D

1990.122

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