

<b>FOR</b>	Permit # _____	Trunk Fee _____
<b>OFFICE</b>	PID # _____	Permit Fee _____
<b>USE</b>	Date Recd _____	WAC/SAC _____
<b>ONLY</b>	Zoning District _____	Surcharge _____
		Plan Check _____
		1" Meter _____
	Landscape/off premise escrow fee pd _____	<b>Total Fee</b> _____

City of Avon  
 PO Box 69 Avon MN 5631  
 PH (320) 356-7922 FAX (320) 356-2259

## New Dwelling Permit Application

1. Site Address \_\_\_\_\_, Avon MN 56310
2. Owner(s) \_\_\_\_\_ Daytime Phone \_\_\_\_\_
3. Cell Phone \_\_\_\_\_ Email address: \_\_\_\_\_
4. Legal Description of Site:  
 Note\*If unknown, please refer to property tax statement or ask Zoning Administrator  
 Lot \_\_\_\_\_ Block \_\_\_\_\_ Addition \_\_\_\_\_
5. Type of Construction: (circle one) Build Prefabricated Modular Foundation only
6. Type of Home: (Circle one) Walk-out Split entry walk-out Look-out Patio Twin patio  
 Patio Rambler Other \_\_\_\_\_ Approved by the City: \_\_\_\_\_ (initial)  
 Approved by the Inspector: \_\_\_\_\_ (initial)
7. Describe in detail work to be done \_\_\_\_\_
8. Building Covering Material(s), (If applicable) \_\_\_\_\_
9. Approximate Start Date \_\_\_\_\_
10. Estimated Cost of Project (Including Materials & Labor): \$ \_\_\_\_\_
11. Licensed Contractor's Name & License No. email address \_\_\_\_\_  
 Name: \_\_\_\_\_ License No.: \_\_\_\_\_

\*\*If owner is acting as their own General Contractor they must sign the Licensed Contractor Disclaimer.

Additional Information Requested on Reverse

11. Dimensions of Uses in Sq. Ft.:

Dwelling (1<sup>st</sup> Story) \_\_\_\_\_ Basement \_\_\_\_\_ Finished: \_\_\_\_\_ (yes or no)

Dwelling (Additional Stories) \_\_\_\_\_ Garage \_\_\_\_\_

12. Please Provide the Following: (If Applicable)

Plumbing Contractor \_\_\_\_\_ PH: \_\_\_\_\_

Mason & Concrete Contractor \_\_\_\_\_ PH: \_\_\_\_\_

Heating & Venting Contractor \_\_\_\_\_ PH: \_\_\_\_\_

13. Air Exchanger? Yes \_\_\_\_\_ No \_\_\_\_\_ (If No, provide ventilation calculations)

14. All Setback Measurements must be measured from building line (lot line). **Please provide the Zoning Administrator with a copy of a survey or documentation that states the square footage or lot dimensions.**

Front Yard Setback \_\_\_\_\_ Rear Yard Setback \_\_\_\_\_ Side Yard Setbacks \_\_\_\_\_ / \_\_\_\_\_

Total Lot Size (square footage) \_\_\_\_\_ Total Impervious Area (%) \_\_\_\_\_  
*Impervious area includes: driveways, sidewalks, porches overhangs, dog kennels, patios, sheds, decks (any area that water cannot saturate through)*

Required Forms & Items to Return with Application:

**SITE PLAN**

**FULL SIZE SET OF CONSTRUCTION PLANS WITH CROSS SECTIONS**

**ONE SMALL SET OF CONSTRUCTION PLANS ON 8 1/2 X 11 FOR FILE**

**HEAT/LOSS CALCULATIONS AND EQUIPMENT SIZE**

**SIGNED PROPERTY OWNER DISCLAIMER**

**SIGNED WAIVER**

Your application will be denied until all above items are provided.

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of Laws and Ordinances governing this type of work will be complied with whether specified herein or not. I have identified all property boundaries, easements, flood zones, and/or wetlands existing on the property on my site plan and application. The undersigned further agrees the City and its' administrative staff relied on the accurateness of this application, plans and specifications relative to this project and holds the City of Avon, and its employees harmless from all liability arising from the granting of this permit.

\_\_\_\_\_  
Authorized Signature of Owner or Contractor

\_\_\_\_\_  
This Permit Expires One Year From

\_\_\_\_\_  
Zoning Administrator

\_\_\_\_\_  
Building Official

## PROPERTY DISCLAIMER

The undersigned is the owner of record or the Builder of the following property located within the City of Avon, Stearns County, Minnesota, whose address is: \_\_\_\_\_; that as part of the process of obtaining a building/zoning permit, the undersigned certifies that all of the information in the application, plans and specifications are true and correct.

It is the responsibility of the undersigned to identify all property boundaries, all easements, all underground utilities (including sewer and water lines) and/or wetlands existing on the subject property and has identified them on his/her site plan and application.

The undersigned further agrees the City of Avon, and its' administrative staff and agents relied on the accurateness of this application, plans and specifications relative to this project and hold the City of Avon, and its employees harmless from all liability arising from the granting of this permit.

\_\_\_\_\_  
Signature of Property Owner/Builder

\_\_\_\_\_  
Date

## **BUILDING PERMIT APPLICANT: PROPERTY OWNER**

I understand that the State of Minnesota requires that all residential building contractors, remodelers and roofers obtain a state license unless they qualify for a specific exemption from the licensing requirements. By signing this document, I attest to the fact that I am building or improving this house myself. I hereby claim to be exempt from the state licensing requirements because I am not in the business of building on speculation or for resale and that the house for which I am applying for this permit, located at \_\_\_\_\_, is the first residential structure I have built or improved in the past 24 months. I also acknowledge that because I do not have a state license, I forfeit any mechanic's lien rights to which I may otherwise have been entitled under Minnesota Statutes §514.01.

Furthermore, I acknowledge that I may be hiring independent contractors to perform certain aspects of the construction or improvement of this house and I understand that some of these contractors may be required to be licensed by the State of Minnesota. I understand that unlicensed residential contracting, remodeling, and/or roofing activity is a misdemeanor under Minnesota Statutes §326.92, Subd. 1, and that I would forfeit my rights to reimbursement from the Contractor's Recovery Fund in the event that any contractors I hire are unlicensed.

I also acknowledge that as the contractor on this project, I am solely and personally responsible for any violations of the State Building Code and/or City ordinance in connection with the work performed on this property.

\_\_\_\_\_  
Signature of Property Owner

\_\_\_\_\_  
Date

**To determine whether a particular contractor is required to be licensed, or to check on the licensing status of individual contractors, please call the Minnesota Department of Commerce, Enforcement Division, at (612) 296-2594 or toll free at 1-800-657-3602.**

**Avon Sewer and Water Connection Permit Application**

Avon Public Works Department  
 140 Strafford St E, Avon, Minnesota, 56310  
 Office: 320-356-7922 Fax: 320-356-2259

The undersigned whose company name is listed below hereby applies for a permit to  
**INSTALL SEWER AND WATER LINES TO STRUCTURE** upon that certain tract of land described as follows:

PROJECT ADDRESS:	LOT:	BLOCK:	PLAT OR ADDITION:
PROPERTY OWNER:			

**CONTRACTOR INFORMATION**

INSTALLER	ADDRESS
PHONE	CITY/STATE/ZIP
FAX	E-MAIL

The undersigned hereby agrees that, in case such permit is granted, all work which shall be done and all materials used shall comply with the plans and specifications therefore herewith submitted and with all the ordinances of said CITY OF Avon applicable thereto.

Certificate of Insurance (\$100,000.00 minimum) included \_\_\_ yes \_\_\_ no

Pipe Layer Certification or Plumber's License included \_\_\_ yes \_\_\_ no License # \_\_\_\_\_

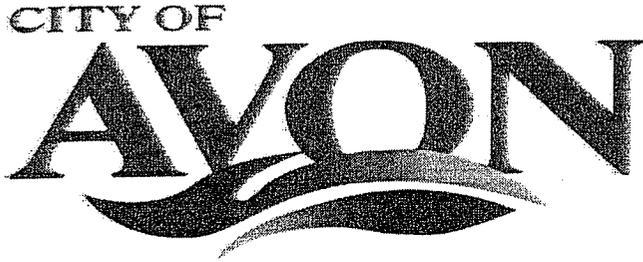
Code Compliance Bond of \$25,000.00 included \_\_\_ yes \_\_\_ no

\*\* Note: The Pipe Layer's Certificate satisfies the Bond requirement

The undersigned further agrees to pay fees or assessments at the time and in the amounts specified as follows:

\_\_\_\_\_  
 INSTALLER'S SIGNATURE / DATE

\_\_\_\_\_  
 CITY STAFF / DATE



PO Box 69  
Avon, MN 56310

office: 320.356.7922  
fax: 320.356.2259

EXCAVATION PERMIT

1. Permits will be issued only to contractors licensed in accordance with Sections 4.11 as amended or to the public utility corporations.

2. The Contractor shall contact the City no less than 24 hours in advance of commencing his operations. Failure to do so may result in the City requiring the trench to be re-opened. He shall also contact Gopher State One Call at 1-800-252-1166 in accordance with Minnesota Statutes.

3. PURPOSE OF EXCAVATION

Size & Type of Pipe or Cable

- Water
- Power Line or service
- Sanitary Sewer
- Telephone Line or service
- Gas Main or service
- Other (describe)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. LOCATION OF EXCAVATION

a) Will street be disturbed?  
 Yes     No

b) If so, surface in place is: \_\_\_\_\_

c) Method of installation:  
 Open Trench  
 Jacking  
 Boring  
 Plowing

Street Name: \_\_\_\_\_

Address: \_\_\_\_\_

Owner: \_\_\_\_\_

It is expected that we will begin construction on: \_\_\_\_\_

And complete restoration on: \_\_\_\_\_

5. The Contractor hereby states that he/she is familiar with Appendix B of the MN Manual on Uniform Traffic Control Devices and that he will comply with its requirements. The Contractor shall erect signs for any detours necessary after receiving approval from Public Works Superintendent.

6. If approved, the Contractor shall carry this permit during his excavation work and present it immediately upon demand by any City employee.

7. Notice: Failure of the contractor to properly and completely repair disturbed property within 48 hours may result in within 48 hours may result in withdrawal of the contractor's license.

8. The applicant hereby states that he is familiar with the provisions of Section 4.11 and complies with these provisions.

Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Public Works Supervisor/WWTP Supervisor

## City of Avon- REQUIREMENTS FOR INSTALLATION OF SEWER & WATER FROM CURB STOP TO HOUSE

### WATER:

1. Curb stops in the driveway are highly discouraged. If a curb stop must be placed in the driveway, contact the Public Works Department at 612-865-6283 before starting work.
2. The curb stop must have concrete block placed under it. -
3. Water line must be a minimum of one inch (1") Type K copper with 200 psi rating. Plastic water line must meet same requirements. Plastic line must be [1"] copper tubing size.
4. Water lines must be insulated if less than eight feet (8') deep with two inch (2") thick by four foot (4') wide high-density styrofoam; water lines less than six feet (6') deep must be insulated with three inch (3") thick by eight foot (8') wide density styrofoam.
5. Water lines placed under driveways must be insulated with two inch (2") thickness by four foot (4') wide high-density styrofoam.
6. The water valve inside the house must be a lockable meter valve.
7. No couplings allowed unless approved by the City of Avon including the area from the curb stop to the first valve in the structure.
8. Water line must be flushed after installation.
9. After inspection by the City, water must be shut off at the curb stop.
10. All curb boxes must have a rod installed
11. Curb box top must be level with surface.
12. If water line is installed during the winter and can't be tested by turning on the water, air testing must be done at the time of the initial inspection; minimum (100) psi for minimum of 5 minutes.
13. Water line must have twelve [12] gauge copper wire for location purposes.

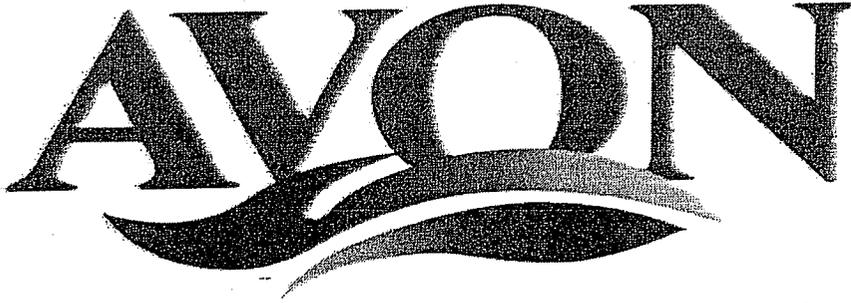
### SEWER:

1. Sewer line must be schedule 40PVC (ASTMD1785) or SDR26 PVC ASTM SPEC D3034 and a minimum of four inch (4") in diameter.
2. Sewer must have a clean out within two feet (2') of the outside wall and every seventy-five feet (75') thereafter. At no time may the outside clean out be located under a structure/deck unless it is a minimum forty-eight inches (48") above grade.
3. A twelve (12) gauge copper wire must be run on top of the sewer and water lines for locating purposes.
4. Sewer line must have a minimum one-eighth inch (1/8") per foot slope.
5. Industrial buildings must have testing manhole on service line to building.
6. Sewer line must be pressure tested, 5 psi minimum.

### GENERAL REQUIREMENTS:

1. Contractor shall obtain a sewer/water dig-in permit at the Public Works Department prior to starting work; the contractor will be notified of the permit fee.
2. Contractor shall provide the City of Avon with a general liability certificate of insurance in the amount of \$100,000.00 minimum.
3. Contractor must have work inspected by the Public Works Department. Curb stop/box must be inspected and approved by the Public Works Department prior to Building Final. Please schedule inspections through the Public Works Department by calling 612-865-6283.
4. All trenches must meet OSHA standards.
5. The City shall charge the contractor for labor and material if improperly installed.
6. Anyone conducting plumbing activities must provide evidence of a \$25,000.00 code compliance bond. Must also provide evidence of having a pipe layer certification card or plumber's license.

CITY OF



P O Box 69  
Avon, MN 56310

office: 320.356.7922  
fax: 320.356.2259

In order to obtain a building permit for any construction in residential (R-1) zoning in the City of Avon, you will need to comply with the City of Avon's Ordinance No. 148 regarding maximum Lot Coverage. Any property that is outside of the 1,000 square feet of lakeshore must follow the 50% maximum impervious surface coverage. Any property within 1,000 square feet of lakeshore must follow the 35% maximum impervious surface coverage. Please complete the form below:

- \_\_\_\_\_ Total Square Feet of Lot.
- \_\_\_\_\_ Total Square Feet of House (include any porches, overhangs, etc.)
- \_\_\_\_\_ Total Square Feet of Garage (include any overhangs).
- \_\_\_\_\_ Total Square Feet of Driveway and Sidewalks.
- \_\_\_\_\_ Total Square feet of Existing Dog Kennels, Patios, Shed, Decks (any area that water cannot saturate through).
- \_\_\_\_\_ Total Square Feet of FUTURE Dog Kennels, Patios, Sheds, Decks (any area that water cannot saturate through) that are not included on this building permit.

**\*Please make sure the site plan shows where the structures are situated on the lot and all four setbacks. Also, please provide dimensions for all structures.**

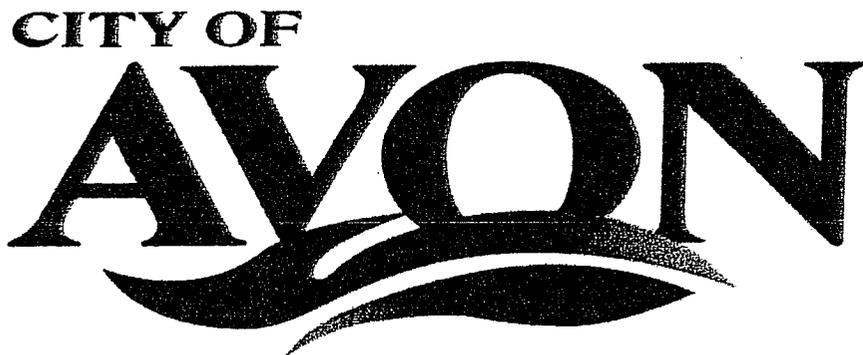
**AGREEMENT**

I, \_\_\_\_\_, the undersigned, accepts this agreement with the understanding that all information is true and correct. I do understand that I am responsible for submitting the correct information regarding dimensions and square footage to the City of Avon to request a building permit and I understand the maximum impervious surface coverage is 35% for shoreland and 50% for non-shoreland.

If any information is deemed incorrect, the Permit will be null/void and thus the project will be considered in violation of Ordinance and punishable as stated within the ordinance.

I HAVE CAREFULLY READ THIS AGREEMENT AND FULLY UNDERSTAND ITS CONTENTS. I SIGN IT OF MY OWN FREE WILL.

Date: \_\_\_\_\_  
Property Owner



PO Box 69  
Avon, MN 56310  
office: 320.356.7922  
fax: 320.356.2259

## WATER & SEWER APPLICATION FOR SERVICE

**NOTE:** Utility bills are in the **PROPERTY OWNER'S** name. If you are NOT the property owner, please forward this form to them. Thank you.

Date information received: \_\_\_\_\_ Staff \_\_\_\_\_

Date to begin service: \_\_\_\_\_

Name(s) of PROPERTY OWNER: \_\_\_\_\_

Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_/\_\_\_\_/\_\_\_\_

Location Street Address: \_\_\_\_\_

Mailing Address (if different): \_\_\_\_\_

Phone Number(s): (h) \_\_\_\_\_ (w) \_\_\_\_\_ (c) \_\_\_\_\_

Name(s) of RENTERS if applicable: \_\_\_\_\_

Date of Birth: \_\_\_\_/\_\_\_\_/\_\_\_\_ \_\_\_\_/\_\_\_\_/\_\_\_\_

Phone Number(s): (h) \_\_\_\_\_ (w) \_\_\_\_\_ (c) \_\_\_\_\_

### GENERAL INFORMATION

A final date must be provided PRIOR to moving out so that the City can order the meter read. The property owner will be responsible until a final read is taken.

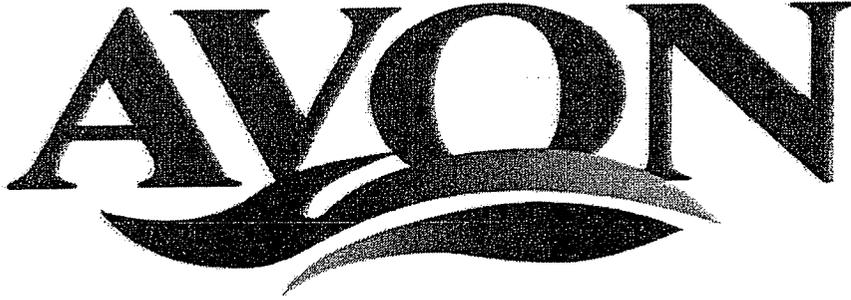
Bills are sent out every other month. If payment is not received by the due date (23<sup>rd</sup> of the month), a 10% penalty will be charged to the account. The City of Avon will give notice to discontinue water service to accounts remaining 60 or more days delinquent.

An amount due for water and sewer charges may be certified to the county auditor for collection with real estate taxes in accordance with MN Statutes 444.075.

\_\_\_\_\_  
Signature (property owner)

\_\_\_\_\_  
Signature (renter)

CITY OF



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Attachment to City of Avon Building Permit Applications.....

Does this permit application involve the placement of a NEW access point onto a city street or a county road OR any curb cuts being done?

\_\_\_\_\_ Yes

\_\_\_\_\_ No

If you answered "Yes", please refer to Chapter 21, Subd. 12, General District Provisions in the City of Avon Zoning Ordinance.

I understand that any street access work OR curb cuts done on my property will require the approval of the City of Avon.

\_\_\_\_\_  
Contractor/Property Owner

\_\_\_\_\_  
Date



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fax: 320.356.2259

**Landscape/off premise damage escrow of \$2,000 to be held by the City until all waivers are signed off and approved by the City. I understand this \$2,000 escrow deposit will be used if the City needs to make any repairs or do any landscaping work on said property OR any adjacent properties affected by this construction. If the amount of repairs exceeds the escrow deposit the charges will immediately be billed to me and/or assessed to my property.**

RE: \_\_\_\_\_  
Property Address  
\_\_\_\_\_ Date of Certificate of Occupancy  
\_\_\_\_\_ Date escrow deposit paid  
Owner/Contractor

**STREET/SIDEWALK/CURB WAIVER**

I hereby certify that I have inspected the street/sidewalk/curb in the area of my property and I agree that it is in new condition prior to any construction being done on my property. I also hereby certify that I am aware that if the street/sidewalk/curb in front of my property or the sidewalk of the adjacent properties is damaged during the construction of my home, that I will be fully responsible for any and all costs that the City of Avon may incur to repair the street/sidewalk/curb.

\_\_\_\_\_  
Signature of Owner or Contractor  
\_\_\_\_\_  
Date

*INSPECTION*

I hereby state that prior to the **commencement** of construction at the property located at the above address, I have inspected the street/sidewalk/curb in the general area of this property and it is in \_\_\_\_\_ condition (attached photos/further explanation if necessary).

\_\_\_\_\_  
Signature of Public Works Department  
\_\_\_\_\_  
Date

I hereby state that at the **conclusion** of construction at the property located at the above address, I have inspected the street/sidewalk/curb in the general area of this property and it is in \_\_\_\_\_ condition (attach photos/further explanation if necessary).

\_\_\_\_\_  
Signature of Public Works Department  
\_\_\_\_\_  
Date

**EROSION CONTROL**

I understand that a rock entrance to the property needs to be put down to eliminate dirt and mud from being tracked on to the city streets and also that no material of any kind will be allowed to be placed on any other lot. All black dirt, gravel, etc. needs to be disposed of properly. Dust control practices must be in place and any affected streets need to be cleaned and swept. The public works department will determine where sediment control will be required. It is the property owner's responsibility to place the sediment control where it is required and anywhere it may be needed. This includes, but is not limited to, silt fence, fiber/straw logs or rock logs. Inlet protection is required for the catch basins near the property and are the property owner's responsibility. Installation, maintenance and cleaning the storm water inlet protection structures will be my responsibility.

\_\_\_\_\_  
Signature of Contractor or Property Owner

\_\_\_\_\_  
Date

*INSPECTION*

This property has been inspected and all erosion control practices have been followed and this property is in \_\_\_\_\_ condition.

\_\_\_\_\_  
Signature of Public Works Department

\_\_\_\_\_  
Date

\*\*\*\*\*

**ELEVATION WAIVER**

I hereby certify that the elevation for said property is at \_\_\_\_\_(elevation). The elevation has been measured from the floor level of the garage. This elevation is in full compliance with the City of Avon's plat.

\_\_\_\_\_  
Signature of Owner/Contractor

\_\_\_\_\_  
Date

The above elevation level has been approved by the City of Avon.

\_\_\_\_\_  
Zoning Administrator

\_\_\_\_\_  
Date

**GRADING CHANGES**

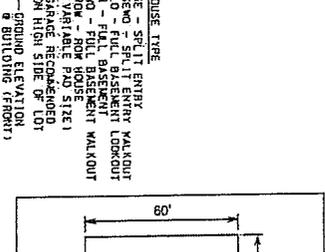
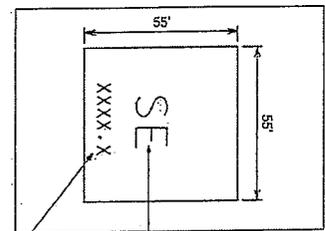
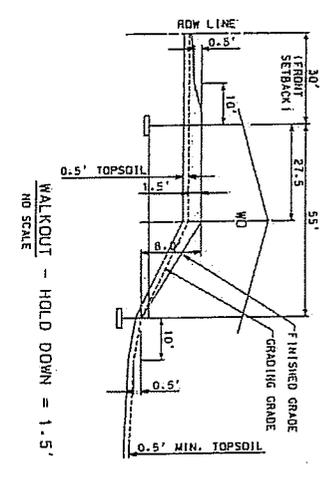
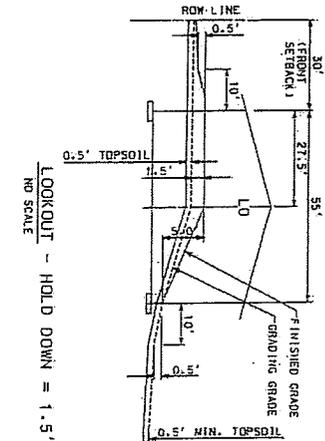
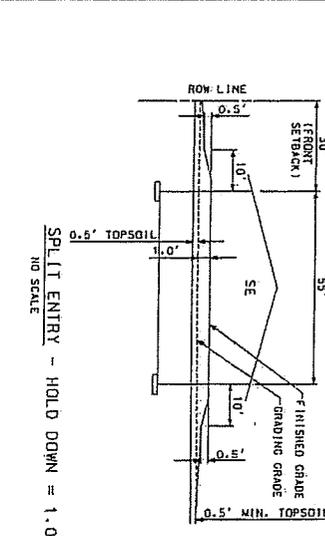
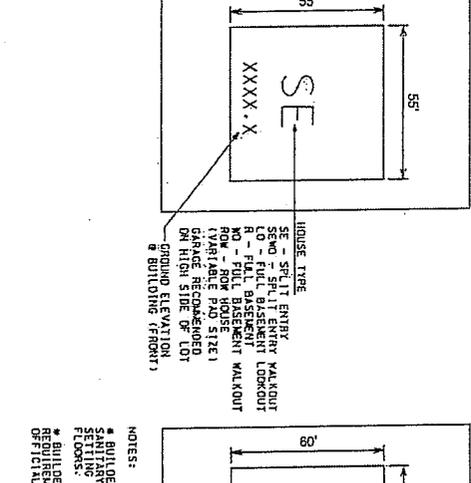
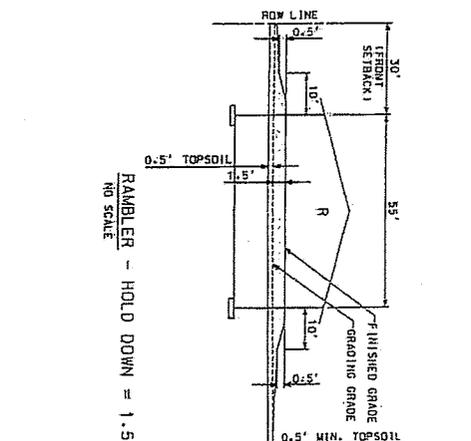
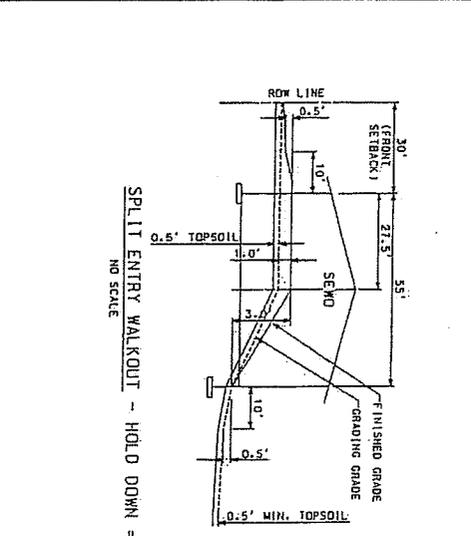
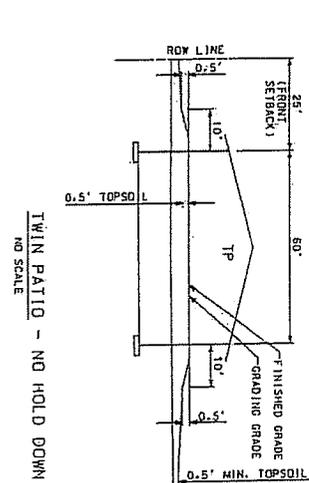
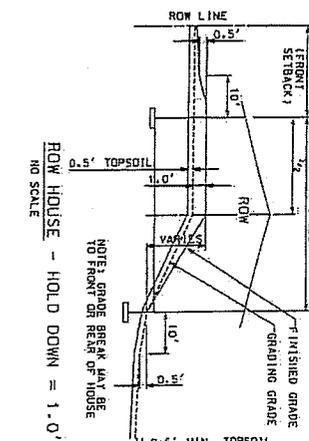
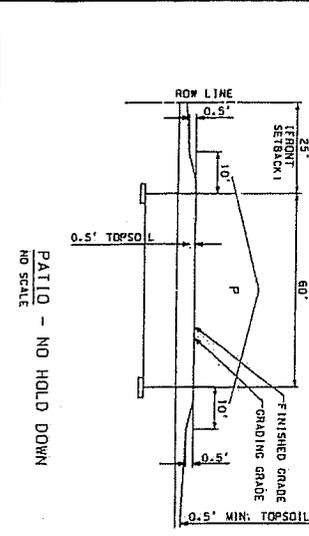
No sod, soil, sand, or gravel may be sold or removed from any part of the property, except for the purpose of excavating for the construction or alteration of a building or structure on the property, or for the proper grading thereof, and any excess soil remaining from excavation or grading, and not otherwise used by the owner in the improvement of the owner's own site must be removed by the owner. The elevation of a lot may not be changed



DATE: 12/12/08	BY: JLD	REVISIONS:
DESCRIPTION: 2007 AVON ESTAVES	NO. 1	DATE
CHECKED: [Signature]	NO. 2	DATE
DESIGNED: [Signature]	NO. 3	DATE
DATE: 12/12/08	BY: JLD	REVISIONS:
DESCRIPTION: 2007 AVON ESTAVES	NO. 1	DATE
CHECKED: [Signature]	NO. 2	DATE
DESIGNED: [Signature]	NO. 3	DATE


**SEH**  
 ENGINEERING & ARCHITECTURE  
 300 N. 25th Ave, Suite 5  
 Minneapolis, MN 55402-1111  
 PHONE: 763.228.4300  
 FAX: 763.228.4301  
 WWW.SEHMINN.COM

2007 AVON ESTAVES  
 AVON, MINNESOTA  
 GRADING DETAILS  
 FILE NO. 4500000000  
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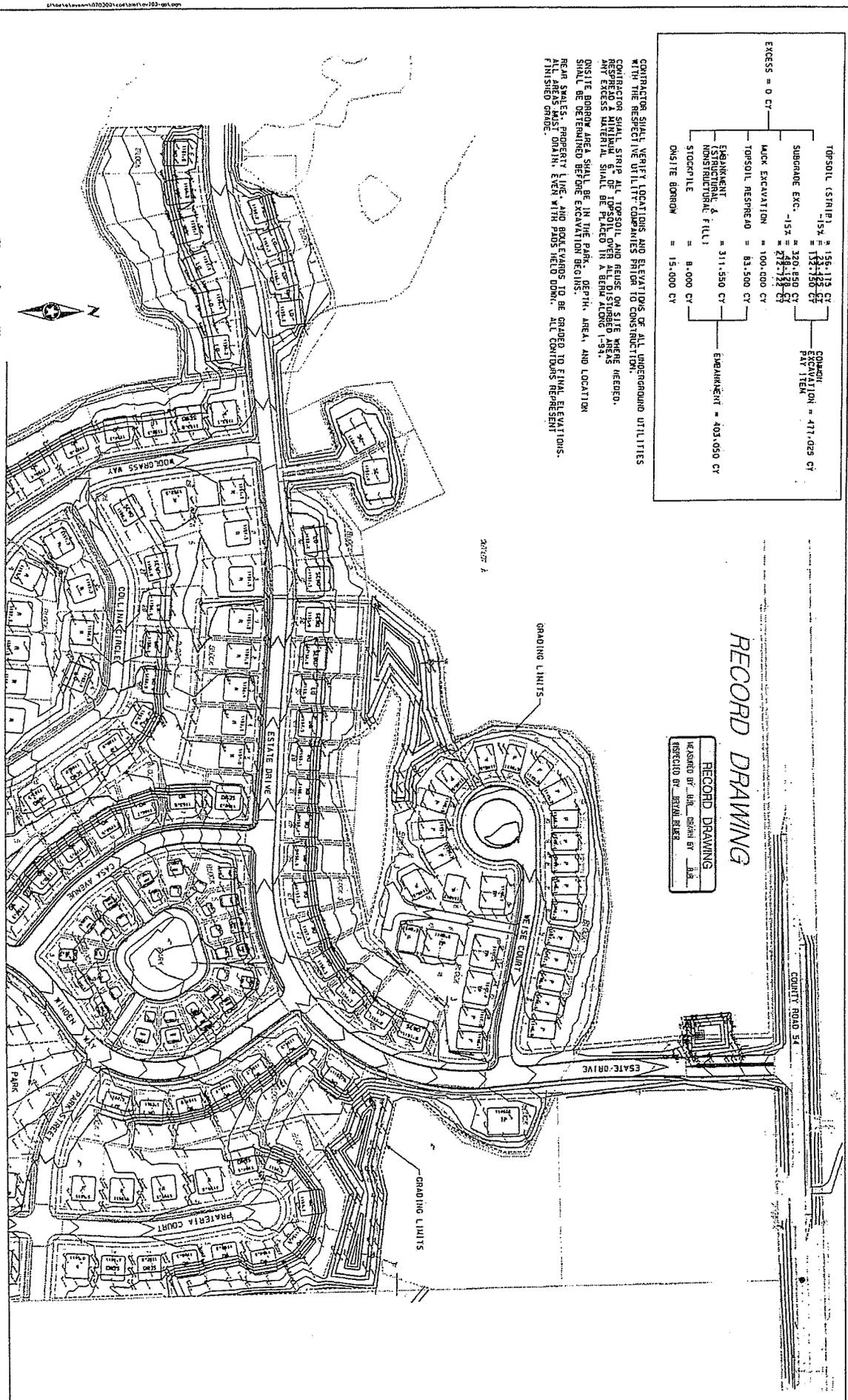
**NOTES:**  
 \* BUILDER SHOULD VERIFY GROUNDWATER AND SETTLING VIBE ELEVATION OF BASEMENT FLOORS.  
 \* BUILDER SHOULD VERIFY BUILDING CODE REQUIREMENTS WITH LOCAL BUILDING OFFICIAL.

**RECORD DRAWING**

RECORDED BY: [Signature]  
 DRAWN BY: [Signature]  
 REVISIONS BY: [Signature]

TOPSOIL (STRIP)	= 156,113 CY	COMBINED EXCAVATION	= 471,029 CY
-15% = 133,750 CY		PAT ITEM	
SUBGRADE EXC.	= 320,850 CY		
-15% = 272,722 CY			
MUCK EXCAVATION	= 100,000 CY		
TOPSOIL RESPLEAD	= 83,500 CY		
EMBANKMENT & STRUCTURAL FILL	= 311,550 CY	EMBANKMENT	= 403,050 CY
STOCKPILE	= 8,000 CY		
ON-SITE BORROW	= 15,000 CY		

CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND UTILITIES WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO CONSTRUCTION.  
 CONTRACTOR SHALL STRIP ALL TOPSOIL AND REUSE ON SITE WHERE NEEDED.  
 RESPLEAD & MINIMUM 6" OF TOPSOIL OVER ALL DISTURBED AREAS.  
 ANY EXCESS MATERIAL SHALL BE PLACED IN A BERM ALONG I-93.  
 ON-SITE BORROW AREA SHALL BE IN THE PARK, DEPTH, AREA, AND LOCATION SHALL BE DETERMINED BEFORE EXCAVATION BEGINS.  
 REUSE SHALL BE DETERMINED PRIOR TO CONSTRUCTION.  
 REUSE SHALL BE DETERMINED PRIOR TO CONSTRUCTION.  
 FINISHED GRADE



**RECORD DRAWING**

RECORD DRAWING  
 PREPARED BY: J.B.B.  
 CHECKED BY: J.B.B.

DATE:	REVISED	QUANTITY AND NOTE
08/14/07	1	ISSUE FOR PERMITS
08/14/07	2	REVISED QUANTITY AND NOTE
08/14/07	3	REVISED QUANTITY AND NOTE
08/14/07	4	REVISED QUANTITY AND NOTE
08/14/07	5	REVISED QUANTITY AND NOTE

DESIGNED BY:	J.B.B.
CHECKED BY:	J.B.B.
DATE:	08/14/07

PROJECT:	2007 AVON ESTATES
LOCATION:	AVON, MINNESOTA
SCALE:	AS SHOWN
DATE:	08/14/07

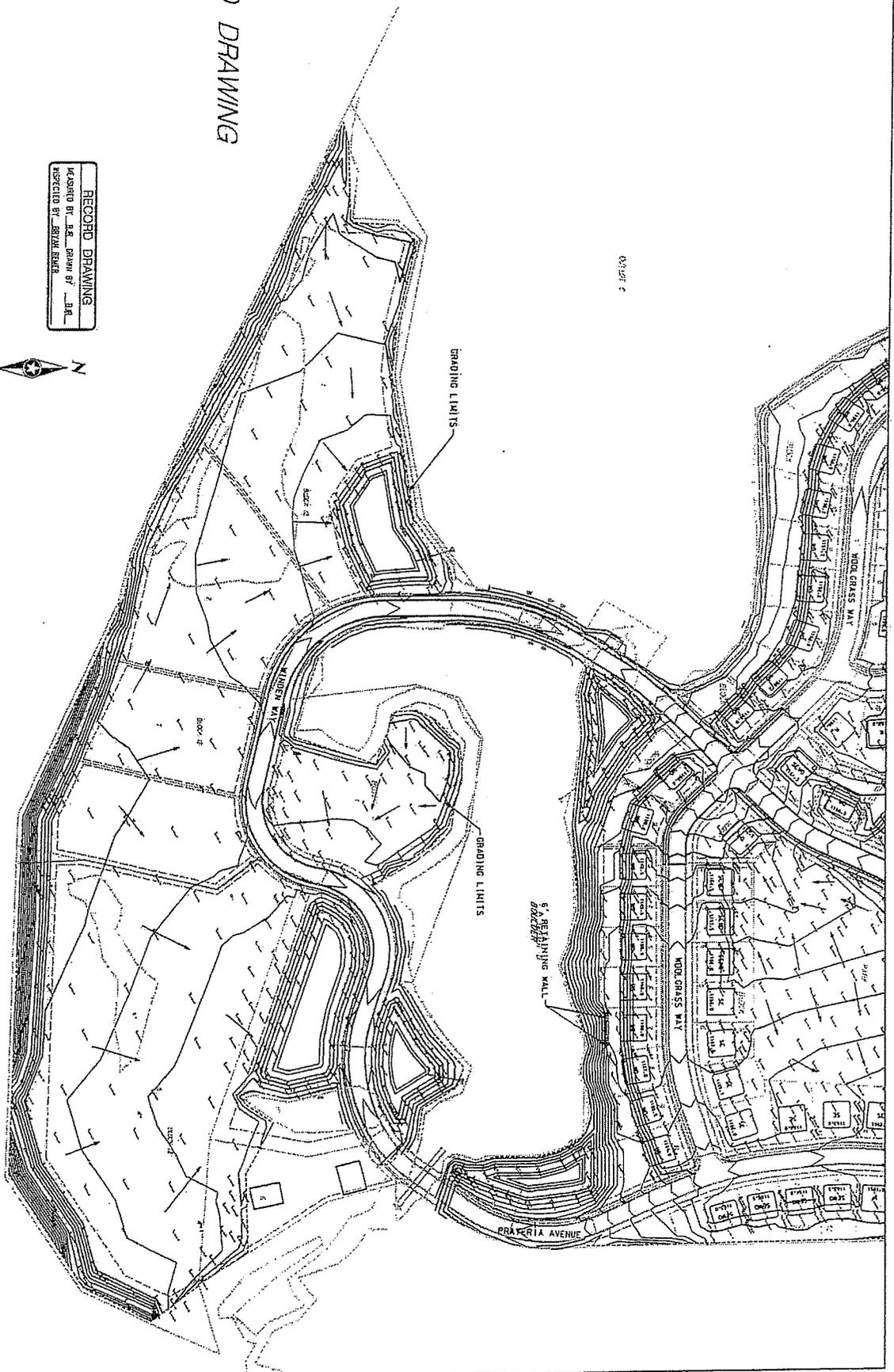
FILE NO.	151
DATE:	08/14/07

# RECORD DRAWING

DESIGNED BY:	GRS, DMB
CHECKED BY:	MSL, SA
DATE:	07/21/08
NO.:	1
BY:	DATE
REVISED SIGNATURE LOCATION:	
REVISIONS:	



RECORD DRAWING  
 INSPECTED BY: BRYAN BURRIS



THESE GRADING PLANS HAVE BEEN PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL THE REQUIREMENTS OF THE STATE OF MINNESOTA. I AM A LICENSED PROFESSIONAL CIVIL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Michael R. Burris, P.E.  
 No. 1070300-02  
 42323

SEN  
 PHONE 312 229-4300  
 P.O. BOX 1717  
 S. CLOND., MN 55302-1717

2007 AVON ESTATES  
 AVON, MINNESOTA

GRADING PLAN

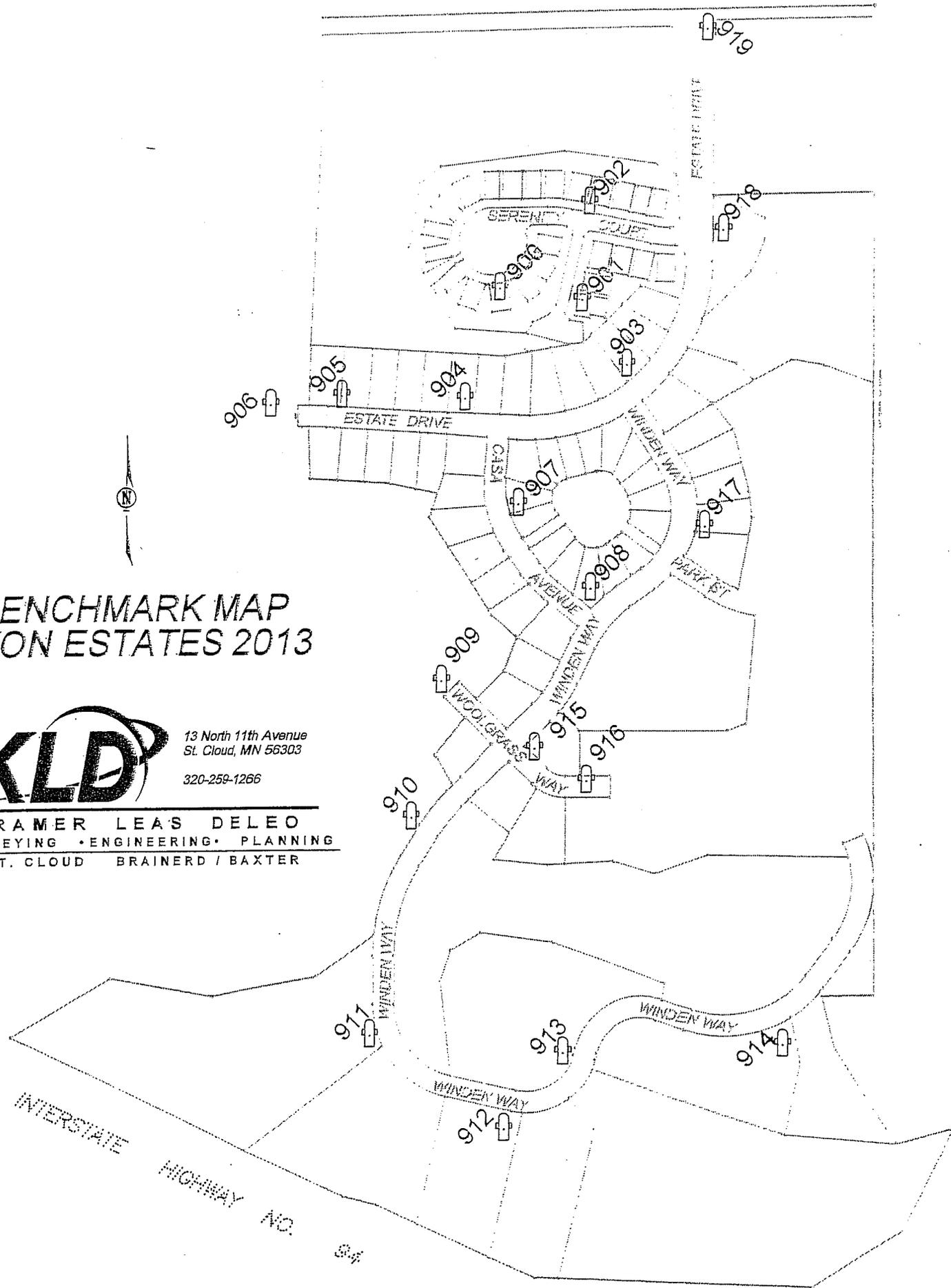
FILE NO.  
 AVON0303.00

# BENCHMARK MAP AVON ESTATES 2013



13 North 11th Avenue  
St. Cloud, MN 56303  
320-259-1266

**KRAMER LEAS DELEO**  
SURVEYING • ENGINEERING • PLANNING  
ST. CLOUD BRAINERD / BAXTER



## AVON ESTATES BENCHMARKS 2013

Point Number	Elevation	Description (Top Nut of Fire Hydrant)
900	1151.21	At south side of Weise Court Culdesac
901	1150.88	At east side of street, 225' +/- south of Weise Court
902	1149.40	At north side of Weise Court 310' +/- west of Estate Drive
903	1156.89	At intersection of Estate Drive and Winden Way
904	1156.80	At north side of Estate Drive, 75' +/- west of Casa Avenue
905	1152.68	At north side of Estate Drive, 455' +/- west of Casa Avenue
906	1152.46	At dead end of Estate Drive
907	1168.14	At east side of Casa Avenue, 260' +/- south of Estate Drive
908	1171.36	At intersection of Casa Avenue and Winden Way
909	1158.73	At dead end of Woolgrass Way
910	1144.48	By lift station on west side of Winden Way
911	1147.67	At west side of Winden Way, 925' +/- south of Woolgrass Way
912	1151.48	At south side of Winden Way, 1330' +/- south of Woolgrass Way
913	1149.76	At west side of Winden Way, 1590' +/- south of Woolgrass Way
914	1146.88	At dead end of Winden Way
915	1156.67	At intersection of Woolgrass Way and Winden Way
916	1164.25	At north side of Woolgrass Way, 255' +/- east of Winden Way
917	1165.18	At east side of Winden Way, 85' +/- north of Park Street
918	1147.73	At intersection of Estate Drive and Weise Court
919	1149.46	At intersection of Estate Drive and C.S.A.H. 54

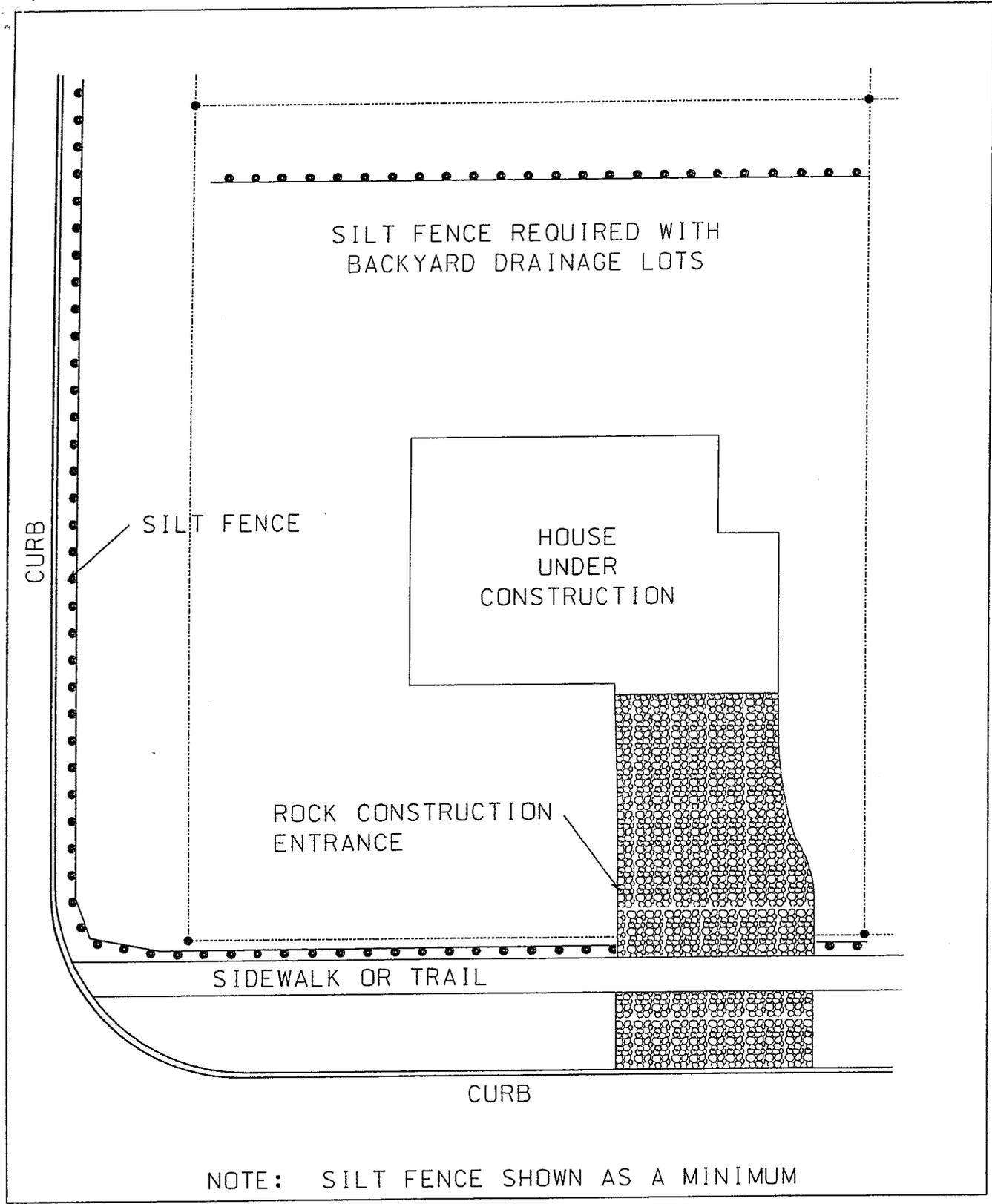
**Notes:**

All elevations are to the Top Nut of The Fire Hydrant at the specified location described

The elevations shown were derived using mutiple RTK-GPS observations.

The Benchmarks shown are based on Mn/Dot Control Station "Marge" having an elevation of 1140.155 Datum NAVD 88.

Lots in Avon Estates have individual elevation measurements. Please make sure you have the correct elevation listed on the elevation waiver form.



RESIDENTIAL CONSTRUCTION  
EROSION CONTROL STANDARDS  
AVON, MINNESOTA

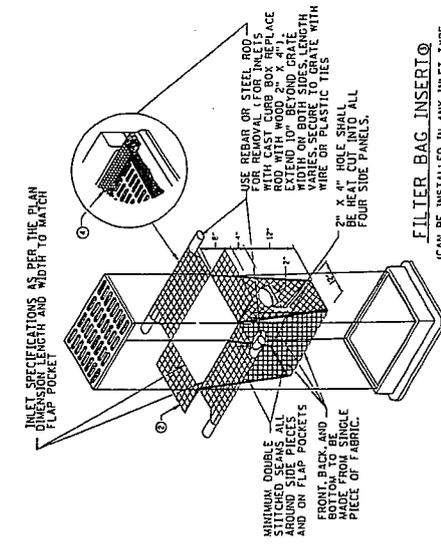
GENERAL INLET PROTECTION NOTES:  
 REFER TO MNDOT SPECS. 2573, 3733, 3886, & 3893  
 MANUFACTURED ALTERNATIVES LISTED ON MW/DOOT'S  
 APPROVED PRODUCTS LIST MAY BE SUBSTITUTED.

INLET PROTECTION IS A SECONDARY BMP. OTHER EROSION  
 PREVENTION AND SEDIMENT CONTROL BMP'S MUST ALSO  
 BE IN PLACE.

SAFETY IS A CONSIDERATION WHEN DETERMINING THE  
 BEST METHOD TO PROTECT AN INLET AND DETERMINING  
 THE HEIGHT OF OVERFLOW.

ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE  
 MONO/MONO. MEETING SPEC. 3886 FOR MACHINE SLICED.

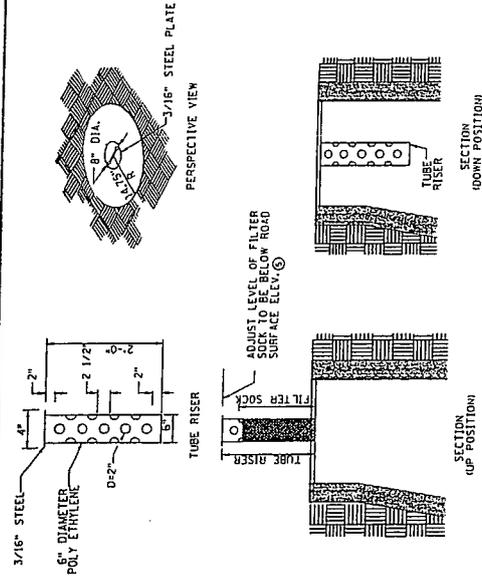
INLETS ARE CONSIDERED SURFACE WATERS AND NEED  
 TEMPORARY STABILIZATION IF THE AREA AROUND THE  
 INLET IS NOT BEING WORKED.



**FILTER BAG INSERT**

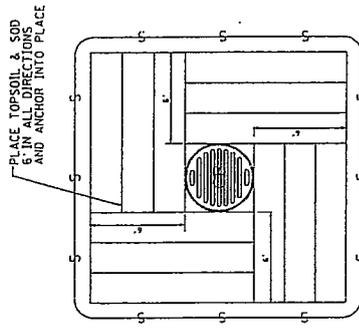
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)

- ① FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② INSTALLATION NOTES:  
 (a) THE PROTECTION IN INLETS SHALL BE 30 IN. MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE BAG.  
 (b) THE BAG SHALL HAVE A MINIMUM SIDE CLEARANCE BETWEEN THE INLET WALLS AND THE BAG MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES OF 3 INCHES. WHERE NECESSARY IT SHALL CLINCH THE BAG USING PLASTIC ZIP TIES TO ACHIEVE THE 3 INCH CLEARANCE.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 IN. X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE ROCK SOCK AND WOOD 2 IN. X 4 INCH.



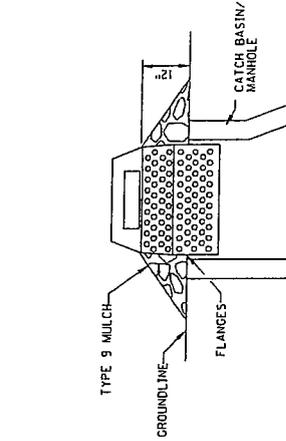
**POP-UP HEAD**

⑤ SOCK HEIGHT MUST NOT BE 50 HIGH AS TO SLOW DOWN WATER FILTRATION AND FLOOD ROAD



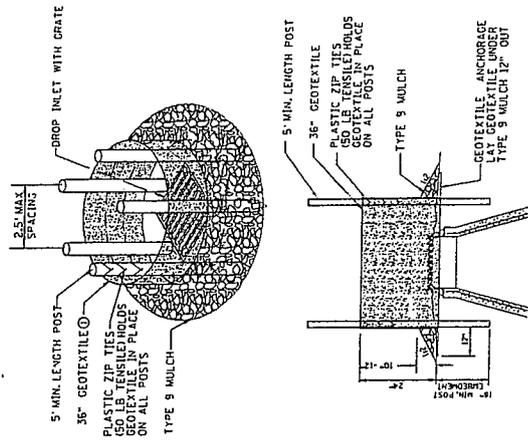
**GRADED SURFACE INLET PROTECTION**

USE IN AREAS TO BE LANDSCAPED PRIOR TO TURF RESTORATION (NEAR LAWNS, SHALLOWS, GREEN SPACES, AND ETC.)



**SEDIMENT CONTROL INLET HAT**

NOTE:  
 THE SEDIMENT CONTROL BARRIER SHALL BE A METAL OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE THE INLET. PERFORATIONS SHALL HAVE PERFORATIONS TO ALLOW FOR WATER INFILTRATION. ALL PERFORATIONS SHALL HAVE AN OVERFLOW OPENING, FLANGES AND A LID/COVER.



**SILT FENCE RING AND ROCK FILTER BERM**

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:2 OR LESS

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Randy B. Andrews, P.E.*  
 Name: RANDY B. ANDREWS, P.E. No. 4232A  
 Date: 04/02/07

PHONE: 763.299.4300  
 FAX: 763.299.4300  
 P.O. BOX 17113  
 SEH ST. CLOUD, MN 56302-1717

2007 AVON ESTATES  
 AVON, MINNESOTA

EROSION CONTROL DETAILS

FILE NO. 22  
 44040101.00

NO.	BY	DATE	REVISIONS

DRAWN: BRD, DNB  
 DESIGNED: BRD, DNB  
 CHECKED: BRD, DNB

GENERAL SILT FENCE NOTES:  
REFER TO MNDOT SPECS. 2573 & 3886

SILT FENCE SHALL BE INSTALLED ALONG THE  
CONTOUR (ON A LEVEL HORIZONTAL PLANE)

CURVE THE END OF THE SILT FENCES UP-GRADE  
SO THAT IT CONTAINS THE MUDDY WATER.

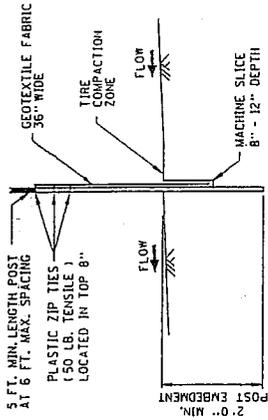
MAXIMUM CONTRIBUTING AREA SHALL BE ONE ACRE.

NO SINGLE FENCING UNIT SHOULD EXCEED 330 FEET.

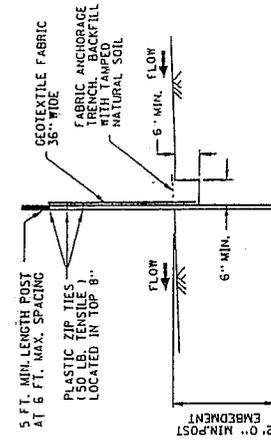
FOLLOW SLOPE GRADE/LENGTH GUIDELINES:

SLOPE GRADE	MAX. LENGTH
LESS THAN 2%	100 FT
2 - 5%	75 FT
5 - 10%	50 FT
10 - 20%	25 FT
GREATER THAN 20%	15 FT

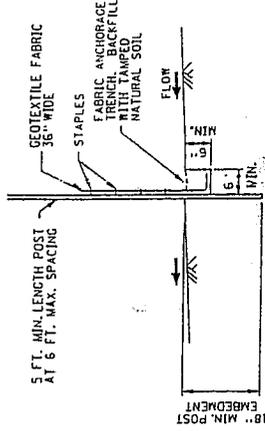
FOR CERTAIN APPLICATIONS PLASTIC WATER  
BARRIERS MAY BE USED IN PLACE OF  
CONCRETE BARRIERS.



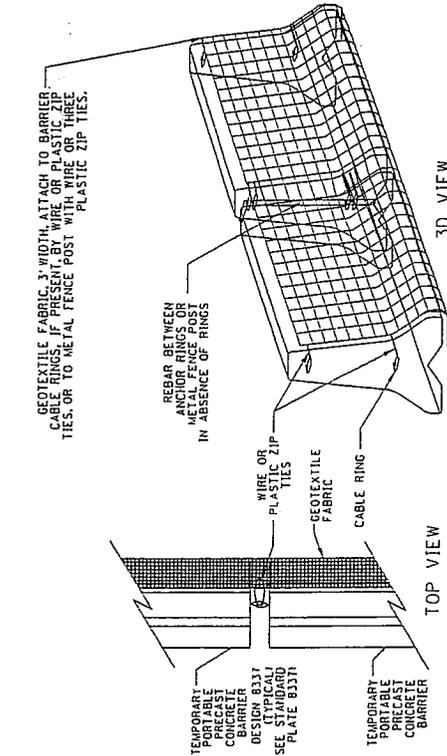
TYPE C1:  
SILT FENCE, MACHINE SLICED



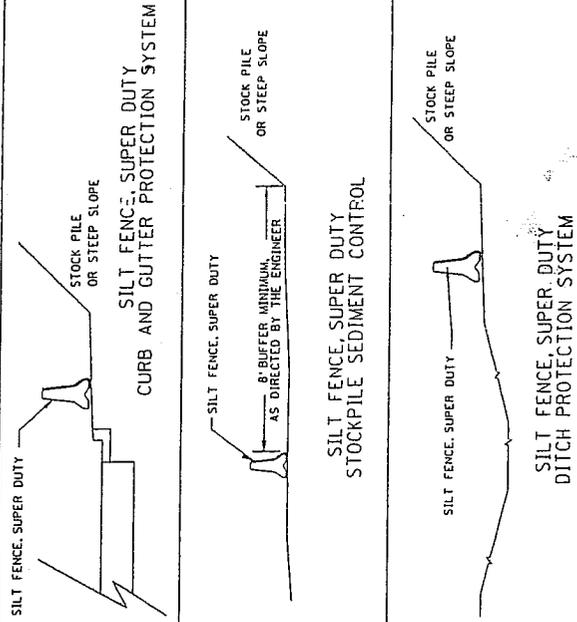
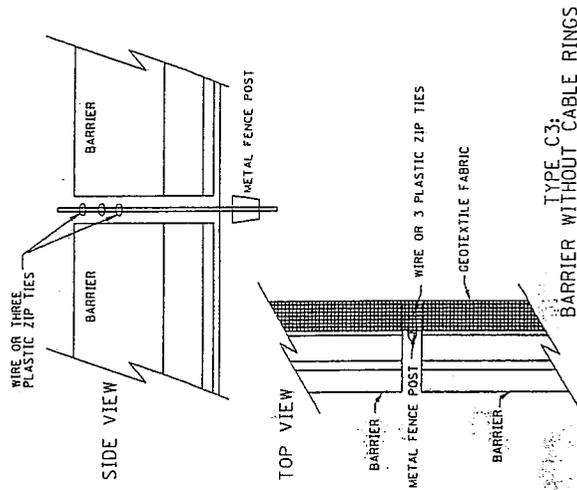
TYPE C2:  
SILT FENCE, HEAVY DUTY



TYPE C3:  
SILT FENCE, PREASSEMBLED



TYPE C3:  
BARRIER WITH CABLE RINGS  
SILT FENCE, SUPER DUTY ③



SILT FENCE, SUPER DUTY  
CURB AND GUTTER PROTECTION SYSTEM

SILT FENCE, SUPER DUTY  
STOCKPILE SEDIMENT CONTROL

SILT FENCE, SUPER DUTY  
DITCH PROTECTION SYSTEM

NO.	BY	DATE	REVISIONS

HONEY CEMENTY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY  
DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL  
ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SEH

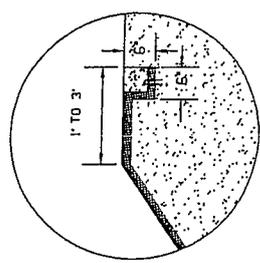
PHONE: 320.229.4300  
FAX: 320.229.4300  
P.O. BOX 1717  
ST. CLOUD, MN 56302-1717

2007 AVON ESTATES  
AVON, MINNESOTA

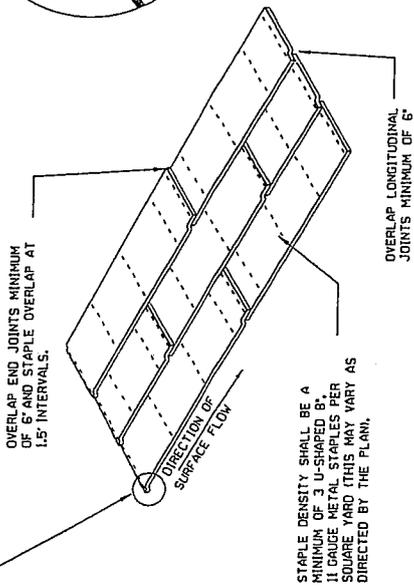
EROSION CONTROL DETAILS

FILE NO. 23  
AVON00003.DWG

ANCHOR TRENCH (SEE DETAIL AND NOTES TO THE RIGHT)



- ANCHOR TRENCH**
1. DIG 6" X 6" TRENCH
  2. LAY BLANKET IN TRENCH
  3. STAPLE AT 15" INTERVALS
  4. BACKFILL WITH NATURAL SOIL AND COMPACT
  5. BLANKET LENGTH SHALL NOT EXCEED 100' WITHOUT AN ANCHOR TRENCH



STAPLE DENSITY SHALL BE A MINIMUM OF 3 U-SHAPED 11 GAUGE METAL STAPLES PER SQUARE YARD (THIS MAY VARY AS DIRECTED BY THE PLAN).

OVERLAP LONGITUDINAL JOINTS MINIMUM OF 6"

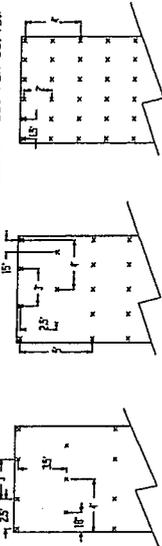
**BLANKET INSTALLATION**

SLOPES FLATTER THAN 1:2 (1.2 STAPLES PER SQ. YD.) (1.7 STAPLES PER SQ. YD.) (3.5 STAPLES PER SQ. YD.)

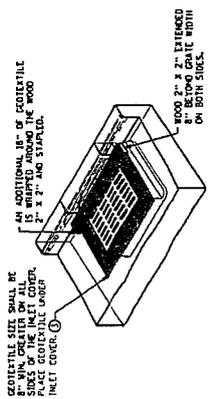


BLANKET STAPLING PATTERN

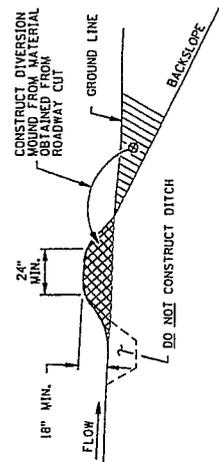
SLOPES FLATTER THAN 1:2 (1.2 STAPLES PER SQ. YD.) (1.7 STAPLES PER SQ. YD.) (3.5 STAPLES PER SQ. YD.)



STANDARD 8' BLANKET

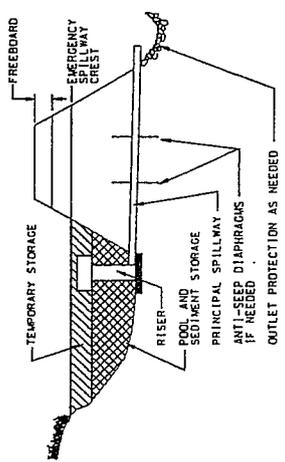


GEOTEXTILE FILTER AT INLET



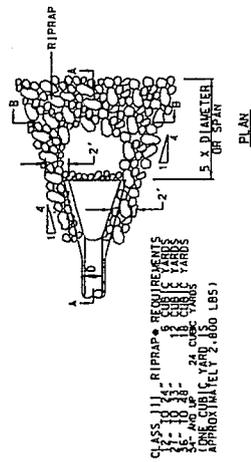
DESIGN GUIDELINES:  
STORM FREQUENCY: 10 YEAR - 24 HOUR  
MAXIMUM DRAINAGE AREA: 5 ACRES  
MAXIMUM DIVERSION: GRADE 5%

DIVERSION MOUND



SECTION

TEMPORARY SEDIMENT BASIN



PLAN

SLOPE VARIES

RIPRAP

LINER

SECTION A-A

1.5'

RIPRAP

FILTER BLANKET

LINER

SECTION B-B

1.5'

GEOTEXTILE FILTER BLANKET SHALL EXTEND UNDER APRON

NOTE: FILTER BLANKET REQUIRED UNDER APRON - FABRIC OR EQUAL

CLASS III RIPRAP - D50= 9 IN. (MMDOT SPEC 3601)

CLASS III RIPRAP AT OUTLETS

HERBERT GERTY, THAT THIS PLAN WAS PREPARED BY US OR UNDER US DIRECT SUPERVISION AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

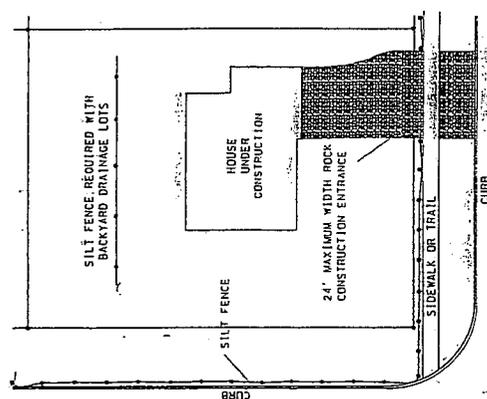
Normal RANDY B. GERTY, PE  
Res. No. 42324  
Exp. 01/02/07

PHONE: 320.225.4300  
FAX: 320.225.4300  
P.O. BOX 1717  
SEI ST. CLOUD, MN 56302-1717

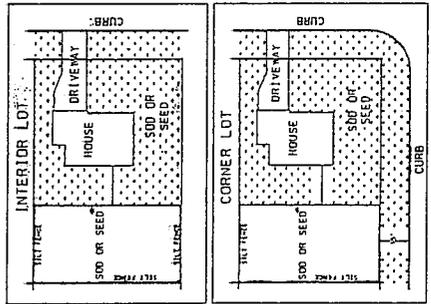
2007 AVON ESTATES  
AVON, MINNESOTA

EROSION CONTROL DETAILS

FILE NO. 24  
A10000101.00

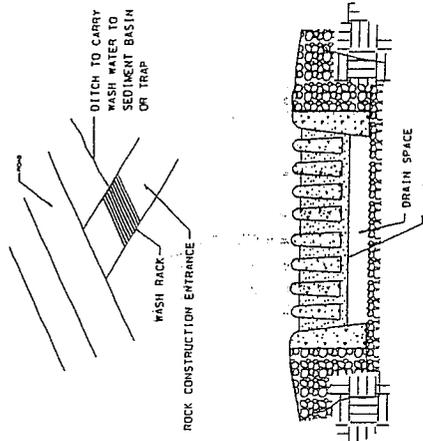


NOTE: SILT FENCE SHOWN AS A MINIMUM.  
RESIDENTIAL CONSTRUCTION EROSION CONTROL STANDARDS



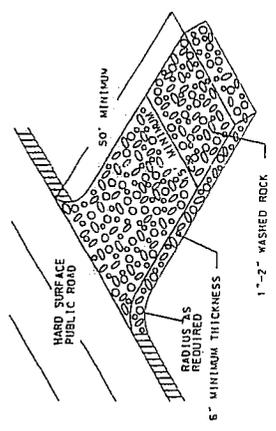
NOTES: 1. INSTALL 6" OF BLACK DIRT UNDER ALL TURF AREAS.  
2. SOD REQUIRED ON SLOPES OF 4:1 OR STEEPER.  
3. PERMANENT UNDERGROUND IRRIGATION REQUIRED TO SEED.  
4. PERIMETER SILT FENCE REQUIRED FOR SEED.

RESIDENTIAL CONSTRUCTION TURF ESTABLISHMENT REQUIREMENTS



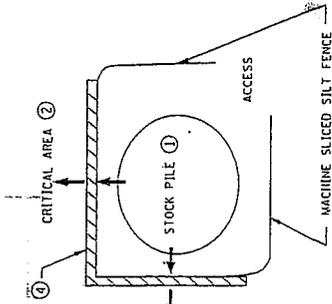
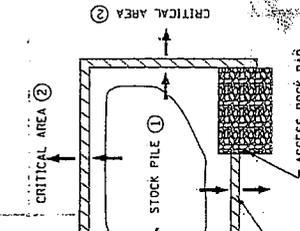
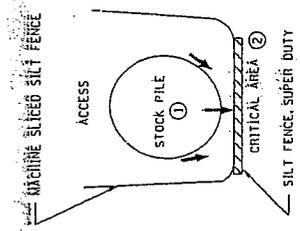
REINFORCED CONCRETE WASH RACK  
WASH RACK MATERIAL MAY ALSO BE ALUMINUM OR OTHER MATERIAL!

WASH RACK

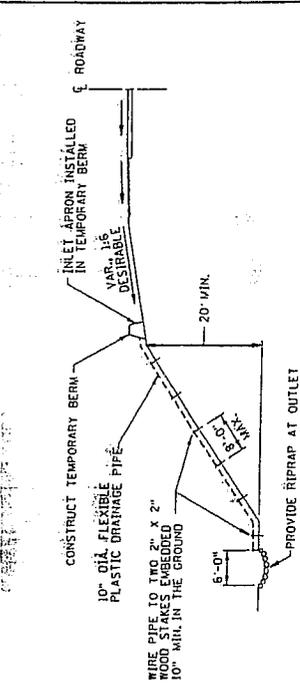


NOTE: TO PREVENT TRACKING OF MUD ONTO PAVED ROADS, INSTALL ADDITIONAL ROCK OR REMOVE AND REPLACE THE PAD AS REQUIRED

ROCK CONSTRUCTION ENTRANCE



NOTES:  
SEE SPEC 25.13 & 25.16  
1. MACHINE SLICED SILT FENCE NEXT TO AN ENVIRONMENTALLY SENSITIVE AREA IS NOT RECOMMENDED. IF THERE ARE NO FEASIBLE ALTERNATIVES, THE SUPER DUTY SILT FENCE IS TO BE USED AS SHOWN OR AS DIRECTED BY THE ENGINEER.  
2. CRITICAL AREAS INCLUDE WETLANDS, JUDICIAL DITCHES, STREAMS, WATER BODIES, AND OTHER AREAS REQUIRING PROTECTION.  
3. INSTALL TO FIT LAND FORM AND ITEM TO PROTECT.



TEMPORARY DOWN DRAIN ON FILL SLOPE  
(SPEC 3892.1)

DESIGN GUIDELINES:  
STORM FREQUENCY: 2 YEAR - 24 HOUR  
MAXIMUM DRAINAGE AREA: 3 ACRES

DRAWN BY: BUR, DWB	NO. 01	DATE
DESIGNED BY: BUR, DWB	NO. 02	DATE
CHECKED BY: BBL, SAJ	NO. 03	DATE

REVISIONS	NO.	DATE	DESCRIPTION

PHONE: 320.229.4300  
1200 25TH AVE S  
SEH  
ST. CLOUD, MN 56310-1117  
Res. No. 4324

2007 AVON ESTATES  
AVON, MINNESOTA

EROSION CONTROL DETAILS