

EROSION CONTROL NOTES:

- Grading contractor shall verify locations and elevations of all underground utilities prior to construction with the respective utility companies.
- All erosion control measures called for on these plans and specifications, which may include silt fence, sedimentation basins or temporary sediment traps, shall be constructed and serviceable in the following order:
 - Silt fence.
 - Common excavation and embankment (grading)
 - Seed and mulch or sod.
 - Straw bale barriers in finished graded areas.
 - Inlet and outlet facilities subsequent to storm sewer work.
- Grading contractor shall provide and maintain all erosion control measures as shown on these plans and specifications and implement any additional erosion control measures necessary in order to protect adjacent property.
- All erosion control facilities shall be maintained by the contractor during grading operations. Any temporary facilities which are to be removed as called for on these plans and specifications shall be removed by the grading contractor when directed by the engineer. The grading contractor shall then restore the subsequently disturbed area in accordance with these plans and specifications.
- The grading contractor shall schedule the soils engineer so that certification of all controlled fills will be furnished to the owner during and upon completion of the project.
- All disturbed areas, except streets, shall be covered with a minimum 4" of top soil. All disturbed areas shall be seeded & mulched per the following schedule:

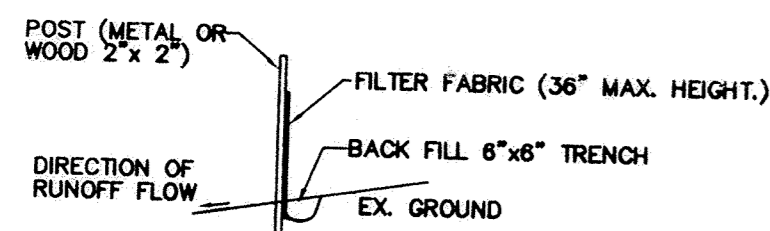
IF NOT WORKED

 - Steeper than 3:1 7 days
 - 10:1 to 3:1 14 days

WHEN FINISHED GRADING IS COMPLETED:

 - Steeper than 3:1 4 days
 - 10:1 to 3:1 7 days

That is the minimum unless noted otherwise.
- The existing topography and contour elevations shown on the plan were taken from a plan furnished by owner.
- Contractors grading and erosion control operations shall take place within the construction limits.
- It is required that soils tracked from the site by motor vehicles be cleaned daily from paved roadway surfaces throughout the duration of construction.
- Provide temporary sedimentation basins as directed by the engineer.



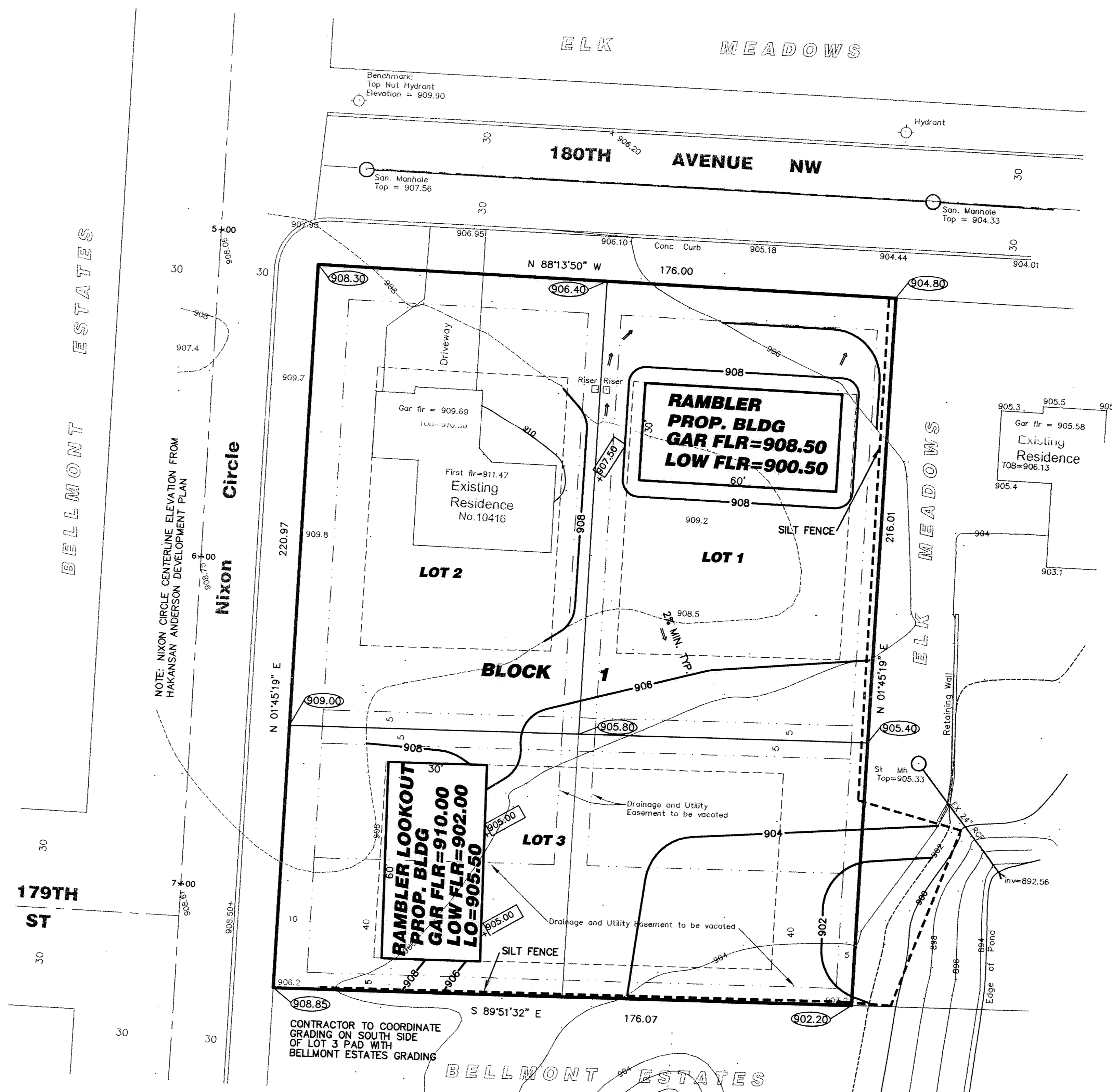
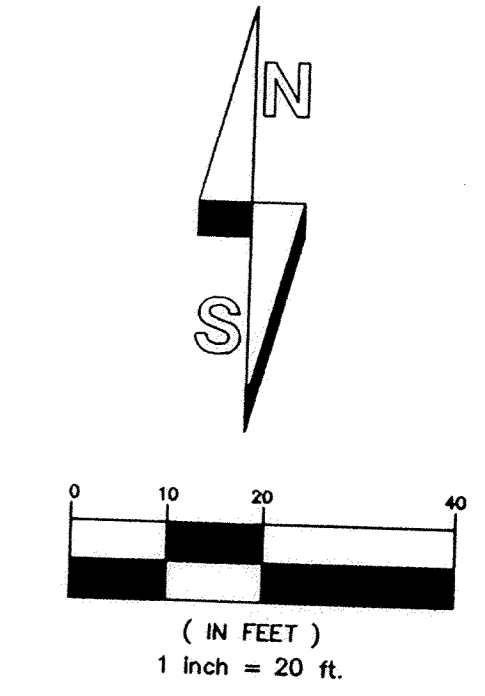
NOTE:
POSTS SHALL BE SPACED 4.0' APART.

SILT FENCE DETAIL
NOT TO SCALE

- LEGEND**
- - - - - EXIST. CONTOURS
 - - - - - PROP. CONTOURS
 - x o x EXIST. SPOT ELEV.
 - o o o PROP. SPOT ELEV.
 - o o o PROP. LOT CORNER ELEV.
 - DRAINAGE ARROW
 - EXIST. CB
 - PROP. CB
 - - - EXIST. STORM SEWER
 - - - PROP. STORM SEWER
 - - - EXIST. FE
 - - - PROP. FE
 - EXIST. MH
 - PROP. MH
 - - - EXIST. SAN SEWER
 - - - PROP. SAN SEWER
 - - - EXIST. WATERMAIN
 - - - PROP. WATERMAIN
 - - - SILT FENCE
 - - - DAM EMBANKMENT
 - MATERIALS
 - △ STON BALES

NOTE:
1. ELK MEADOWS DATUM ASSUMED TO BE 1.4±' ABOVE BELMONT ESTATES.

Lot surveys need to be on city datum and will not match this plan



REVISIONS:

DATE	DESCRIPTION
5-23-05	REVIEWED BY: GLD

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

Gary D'Helly
DATE: 5/23/05 REG. NO. 22426

DESIGNED: GLD
DRAWN BY: LCD
CHECKED BY: LCD

D'Helly Engineering & Assoc., Inc.
72 Oak Ave S. P.O. Box 1123
Annandale, MN 55302
Phone (320) 274-7221
Fax (320) 274-2206

ELK MEADOWS 2ND
ELK RIVER, MINNESOTA
GRADING, EROSION CONTROL AND DEVELOPMENT PLAN

Approved 4/29/05
John Aulin
Note: Individual lots will require engineering review due to datum problem noted on this plan OK per Terry Avery 4/29/05

CALL 48 HOURS BEFORE DIGGING:
GOPHER STATE ONE CALL
TWIN CITY AREA 454-0002
MINNESOTA TOLL FREE 1-800-252-1166

PROJECT NO. 250310
SHEET NO. 3 OF 3