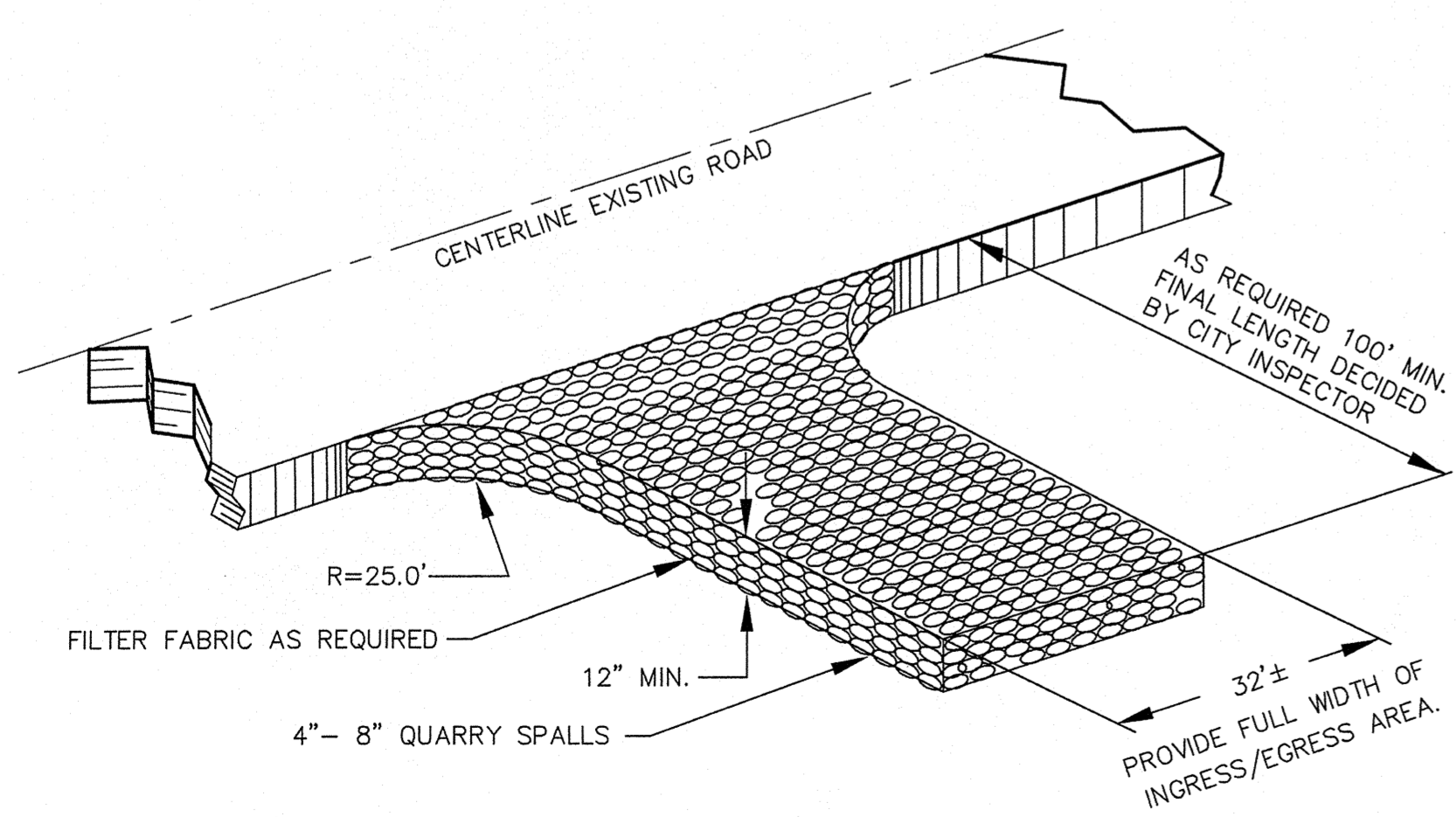
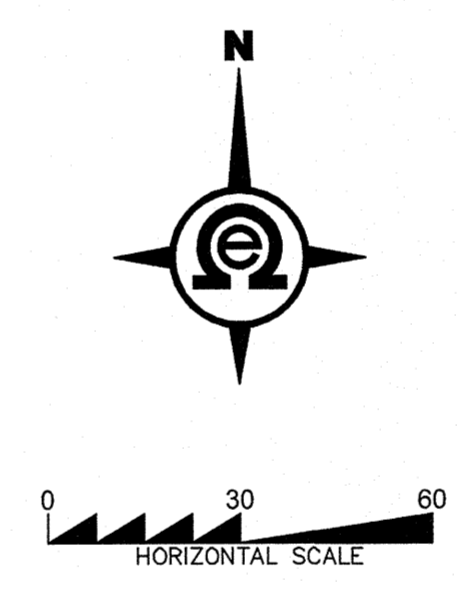
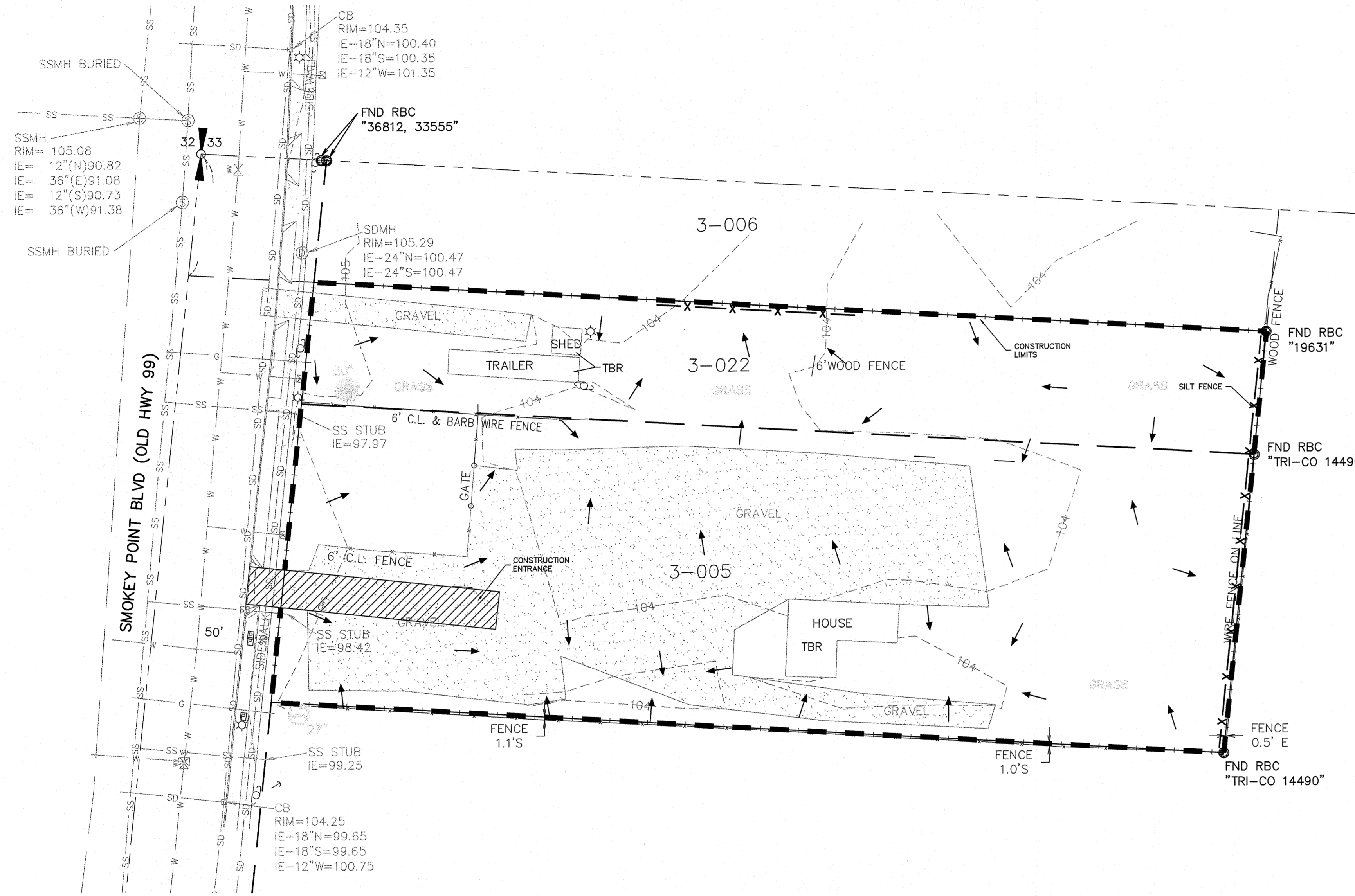


BAUER COMM.

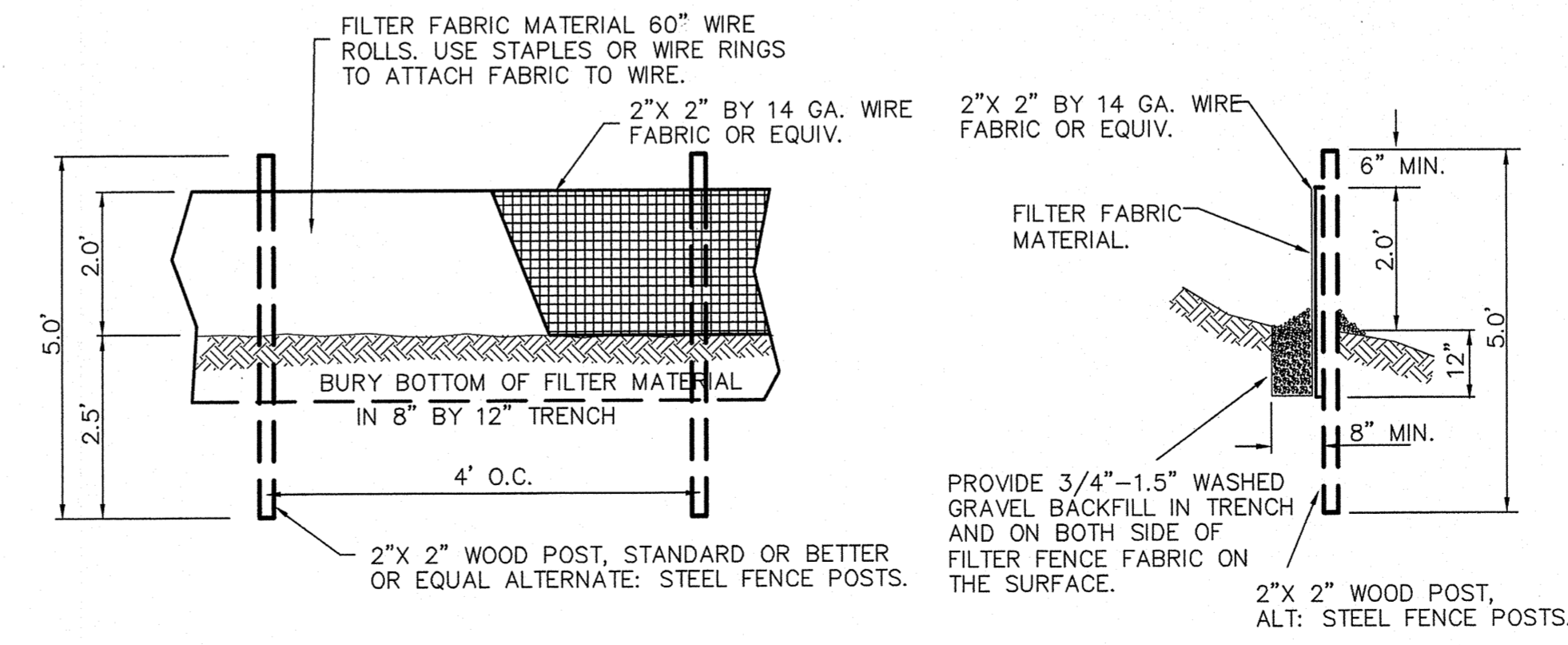
SECTION 33, TOWNSHIP 31 N, RANGE 5 E, W.M.

EROSION CONTROL REQUIREMENTS AND NOTES

1. Clearing limits shall be established first then erosion control Best Management Practices (BMPs) shall be installed prior to any site disturbance. The erosion/sedimentation control facilities shall be constructed prior to any grading or extensive land clearing in accordance with the approved Construction Storm Water Pollution Prevention Plan (SWPPP). These facilities must be satisfactorily maintained until construction and landscaping is completed, the permanent vegetative cover is established and the potential for on-site erosion has passed.
2. A temporary construction entrance shall be established to the site. The standards and maintenance requirements are as follows:
 - a) Installation: The plans provide the location and dimensions of the construction entrance. The area of the entrance shall be on compacted bearing ground, cleared of all vegetation, roots and other organic material.
 - b) Gravel Construction Entrance shall be 4" to 8" quarry spalls over filter fabric constructed at least 12 inches thick. It must extend the full width of the vehicular ingress and egress area and the minimum length is 50 feet.
 - d) Maintenance: The performance standard is that the construction entrance must prevent tracking of sediment, mud or dirt off of the site. It shall be maintained as necessary to meet this standard. This may require periodic top dressing with new quarry spalls, as conditions demand, and repair and/or clean out any structures used to trap sediment. All materials spilled, dropped, washed or tracked from vehicles onto roadway or into storm drains must be removed immediately.
3. Public streets are to be kept clear of dirt and debris during construction, excavation and fill operations. Material shall be removed from the streets by sweeping. Paved surfaces must be cleaned at the end of each day.
5. Sediment control facilities shown on these plans shall be installed as part of the plan to remove sediment from the water before clearing and grading is allowed. This may include sediment vault, silt fences, swales, channels, berms, barriers and other measures. See the construction sequence for order of installation.
6. The construction plans indicate installation of Best Management Practices (BMPs) to retain all sediment on site. Additional measures are normally needed to remove turbidity and meet water quality standards. During construction, the contractor may require additional measures to prevent sediment or turbid water from leaving the site. Contact the design engineer (or designated erosion control person) for guidance on additional measures.
7. Stabilize all exposed and non-worked soil.
 - From May 1 to September 30 no un-worked soil may remain exposed for more than 7 days.
 - Cover denuded areas as specified in on the plans by appropriate cover BMPs (such as mulch, sod, plastic, and straw).
 - Cover material shall be stockpiled on site.
 - Soil stockpiles shall be stabilized and protected with sediment retention BMPs within 24 hours.
 - Grading and construction shall be timed and constructed in stages to minimize soil exposure. Construction shall be timed to recognize conditions created by the weather.
 - From October 1 to April 30 no un-worked soil may remain exposed for more than 2 days.
8. An established ground cover that fulfills the requirement of the approved construction plans is required for acceptance by the County.
 - All areas to be seeded shall be cultivated by disking, raking, harrowing or other acceptable means.
 - Perform all cultivating across or at right angles to the slope.
 - Cover the site with mulch, topsoil or other soil amendments.
 - Immediately following finish grading, permanent vegetation (consisting of rapid, persistent and legume) will be applied. (Minimum 80# per acre). This is to include the following: 20% Annual, perennial or hybrid rye grass, 40% Creeping Red Fescue, 40% White Clover.
 - Fertilizer shall be applied at 400# per acre of 10-20-20 (10 pounds per 100 square feet) or equivalent. Developments adjacent to water bodies shall use non-phosphorus fertilizer.
 - All disturbed areas shall be seeded with a perennial ground cover using an approved HYDROSEEDER or as otherwise approved by Snohomish County.
11. Channels, ditches, swales and other conveyance systems shall be stabilized to prevent erosion during and after construction. Install outlet protection for all culverts.
12. Follow the specific requirements on the plan to control pollutants during construction. The contractor and developer shall develop on going plans to control pollutants generated during construction, including waste materials and demolition debris. This includes maintenance of construction equipment, fertilizers, application of chemicals, and water treatment systems. The plans shall be updated to respond to site exposure and weather conditions.
14. The construction erosion control BMPs shall be inspected after each significant rain event. Maintenance shall be performed as needed to maintain the performance and function.
 - Necessary repairs to barriers, channels, and ponds or replacement shall be accomplished promptly.
 - Sediment deposits should be removed after each rainfall from silt barriers and check dams.
 - Deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier, check dam or other catchment.
 - Any sediment deposits remaining in place after the barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.



GRAVEL CONSTRUCTION ENTRANCE
N.T.S.
PER SP 4-040-014



SILT FENCE DETAIL
N.T.S.
PER SP 4-040-008

GRADING QUANTITIES:
CUT = 300 C.Y.
FILL = 500 C.Y.

GRADING QUANTITIES CALCULATED USING AUTOCAD GRID METHOD (TIN SUBTRACTION). SURFACES WERE COMPARED BASED ON FINAL GRADE AND NO OTHER FACTORS WERE ACCOUNTED FOR.

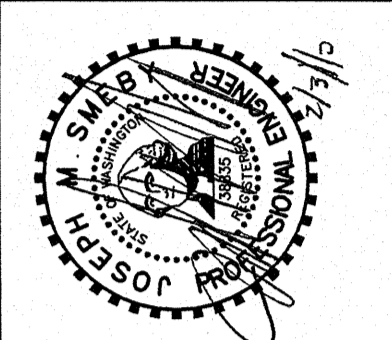
CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS, WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDOT HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

CALL 48 HOURS BEFORE YOU DIG
1-800-424-5555

BY: SHAWN SMITH, PE, DEVELOPMENT SERVICES MANAGER - LAND DEVELOPMENT
THIS DAY OF _____, 200__

BY	DATE	DESCRIPTION



SWPPP

2717 ROCKEFELLER AVE.
EVERETT, WA 98201
1 425.387.3820
f 425.259.1968

OMEGA ENGINEERING, INC.

BAUER COMM.

Marysville, Snohomish County, Washington
PORTION OF SECTION 33, TOWNSHIP 31 NORTH, RANGE 5 EAST, W.M.

PROJ. NO. 09-082	DSN. BY: JMS
DATE: 12/11/2009	SCALE: 1" = 30'
DRAWING NO. 2	OF 3