

EROSION AND SEDIMENT CONTROL (ESC) NARRATIVE

Site Name: Arby's Restaurant, Lot 5 of North 80 Subdivision, Rapid City, Pennington County, South Dakota

Owner: Bentley-Miller, P.O. Box 979, Scottsbluff, NE 69363

Engineer: Fisk Land Surveying & Consulting Engineers, Inc., P.O. Box 8154, Rapid City, SD 57709

General Contractor: Heavy Constructors, Inc., P.O. Box 3239, Rapid City, SD 57709

PROJECT DESCRIPTION

The project consists of commercial construction for Arby's Restaurant, including shaping and grading for street and parking/circulation with service extensions for utilities.

EXISTING SITE CONDITIONS

The site is an undeveloped grass field draining east-northeast.

ADJACENT AREAS

North: Office Commercial, South: General Commercial, East: General Commercial, West: General Commercial

SOILS

See Geotechnical Exploration

AREA AND VOLUME DISTURBED

Disturbed area consists of 64,500 SF± of grass field. Total volume disturbed 2,400 CY±. See Plan.

SEDIMENT CONTROL MEASURES

Sediment control measures will consist of Wattles, (or Compost Filter Sock, Inlet Protection and Temporary Sediment Traps. See Below.

AREA FOR STOCKPILES AND STORAGE

Topsoil stockpile areas as necessary. Storage areas shall be contained within the wattled containment areas as shown on the ESC Plan.

EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE

Phase 1: Install Erosion and Sediment Control devices in accordance with the plan (See Below)
Phase 2: Upon completion of construction improvements, initiate permanent stabilization measures on all disturbed areas.
Phase 3: When disturbed areas are stabilized, remove sediment control devices and file notice of termination with the State.

CONSTRUCTION AND ESC SEQUENCE SCHEDULE PERMANENT STABILIZATION MEASURES

ESC Device installation and clearing and grubbing operations represent the initial phase of construction activity followed by grading/shaping and construction of a commercial facility. Installation of C&G and asphalt paving will complete construction activities. Permanent Stabilization Measures (seeding mulching and watering) will be required for entire disturbed areas. These measures shall be required until adequate vegetation is established.

STORMWATER MANAGEMENT CONSIDERATIONS

Prior installation of improvements the site drains east-northeasterly at 3% ±. Construction activity and completed construction will not alter the historical drainage patterns. Wattles along the downhill side of the site and temporary sediment traps will provide primary Erosion and Sediment Control.

MAINTENANCE

Inspection of Erosion and Sediment Control Measures should be scheduled weekly and following any storm event of 0.5 inches or greater. All measures will be maintained in good working order. Inspection and maintenance will continue until all disturbed areas have reached final stabilization. Paved streets adjacent to the site shall be cleaned at the end of each working day to remove sediment.

SPILL PREVENTION

Petroleum Products: Onsite construction equipment will be monitored for leaks & receive regular preventative maintenance. Asphalt, Chemical and Fertilizers: The use of asphalt and fertilizers is anticipated. Concrete Trucks: Concrete Trucks will be required to discharge surplus concrete within designated washout area. Surplus concrete from washout area shall be disposed of at a permitted dump site.

SPILL CONTROL PRACTICES

Chemical and petroleum product spills of toxic or hazardous material will be reported to the appropriate Federal, State or Local Government agency. All spills will be cleaned up immediately after discovery.

SOIL SURFACE STABILIZATION PRACTICES

After construction begins, soil surface stabilization shall be applied within 14 days to all disturbed areas that may not be at final grade but will remain dormant (undisturbed) for periods longer than 21 calendar days. Within 14 days after final grade is reached on any portion of the site, permanent or temporary soil surface stabilization shall be applied to disturbed areas and soil stockpiles.

MAXIMUM LIMITS OF LAND EXPOSURES FOR SELECTION OF EROSION CONTROLS

Table with 2 columns: Erosion Control Method, Max Allowable period of exposure (months). Methods include Surface Roughening, Mulching, Temporary Revegetation, Permanent Revegetation, Soil Stockpile Revegetation, Early Application of Road Base.

SITE PLAN

The existing contours are shown at one foot intervals. The proposed are at one foot intervals. The construction limits, tracking area, washout area and silt fence are shown on the plan.

NOTICE OF INTENT (Permit No. _____)

A notice of intent has not been filed with DENR.

WETLANDS

No wetlands will be impacted with this project.

DEWATERING

Dewatering operations are not expected. If needed, a general dewatering permit will be obtained from DENR.

EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

This erosion and sediment control narrative and attached erosion and sediment plan appears to fulfill the technical criteria and the criteria for erosion control and the requirements of the City of Rapid City. I understand that additional erosion and sediment control measures may be needed if unforeseen erosion problems occur or if the submitted plan does not function as intended. The requirements of this plan shall run with the land and be the obligation of the responsible party until such time as the plan is completed, modified or voided.

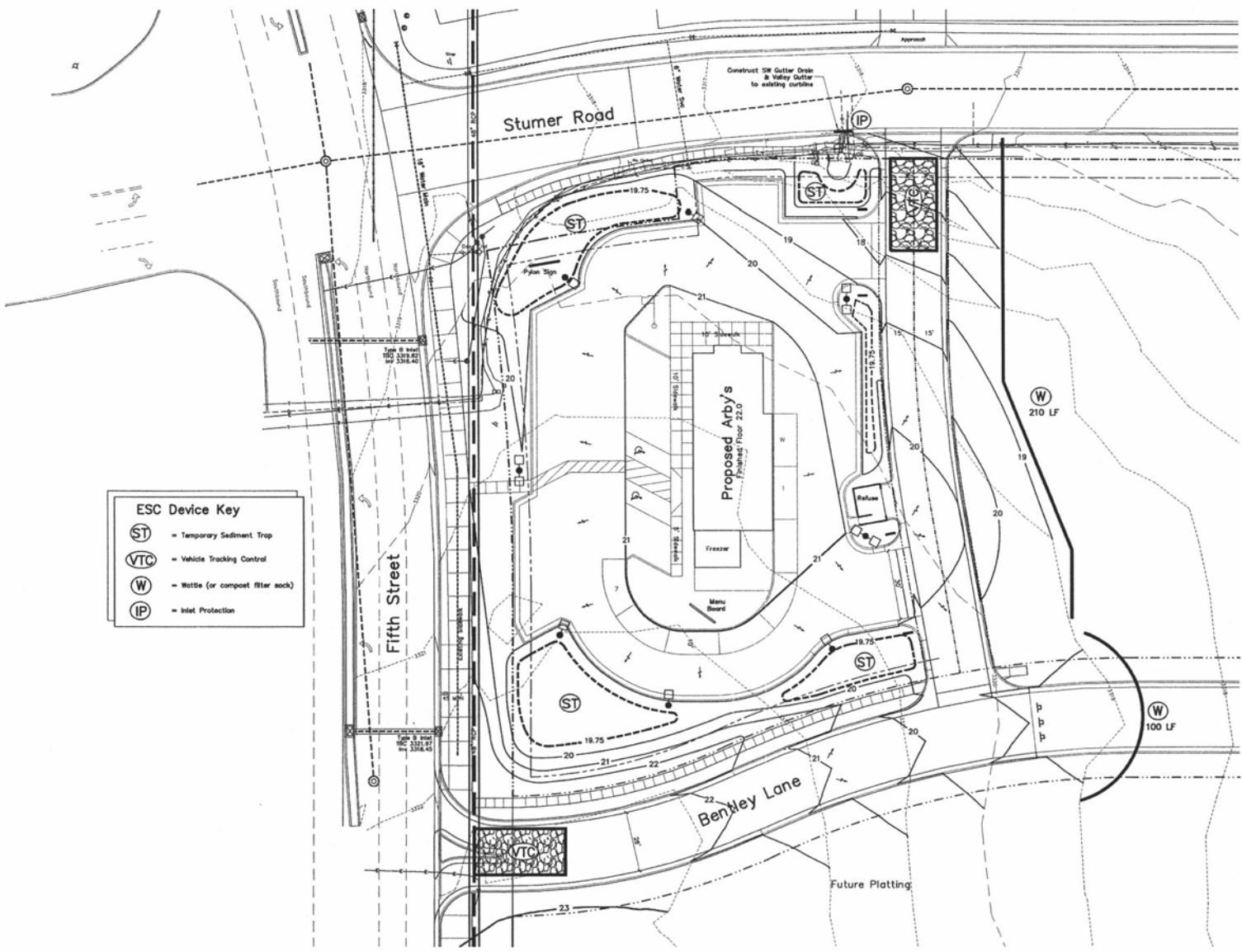
Owner/Developer _____ Date _____

General Contractor _____ Date _____

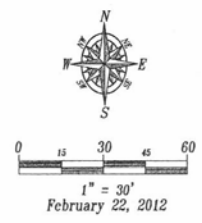
ENGINEER'S CERTIFICATION

I hereby certify that these plans were prepared under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of South Dakota.

Engineer _____ Date _____



ESC Device Key: ST - Temporary Sediment Trap, VTC - Vehicle Tracking Control, W - Wattle (or compost filter sock), IP - Inlet Protection



RECEIVED

FEB 24 2012

Rapid City Community Planning & Development Services

PRELIMINARY

ONE CALL BEFORE DIGGING 1-800-781-7474

Fisk Land Surveying & Consulting Engineers, Inc. 1022 Main Street - P.O. Box 8154, Rapid City, South Dakota 57709

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Proposed Site Plan Proposed Arby's Restaurant Lot 5 of North 80 Subdivision Section 19, T1N, R8E, B.H.M. Rapid City, Pennington County, South Dakota

Surveyed by: ML Date: 1/12 Drawn by: RWF Date: 2/8/12 Checked by: WF

Revisions Project No. 12-01-02 ESC Plan & Narrative 7 of 7