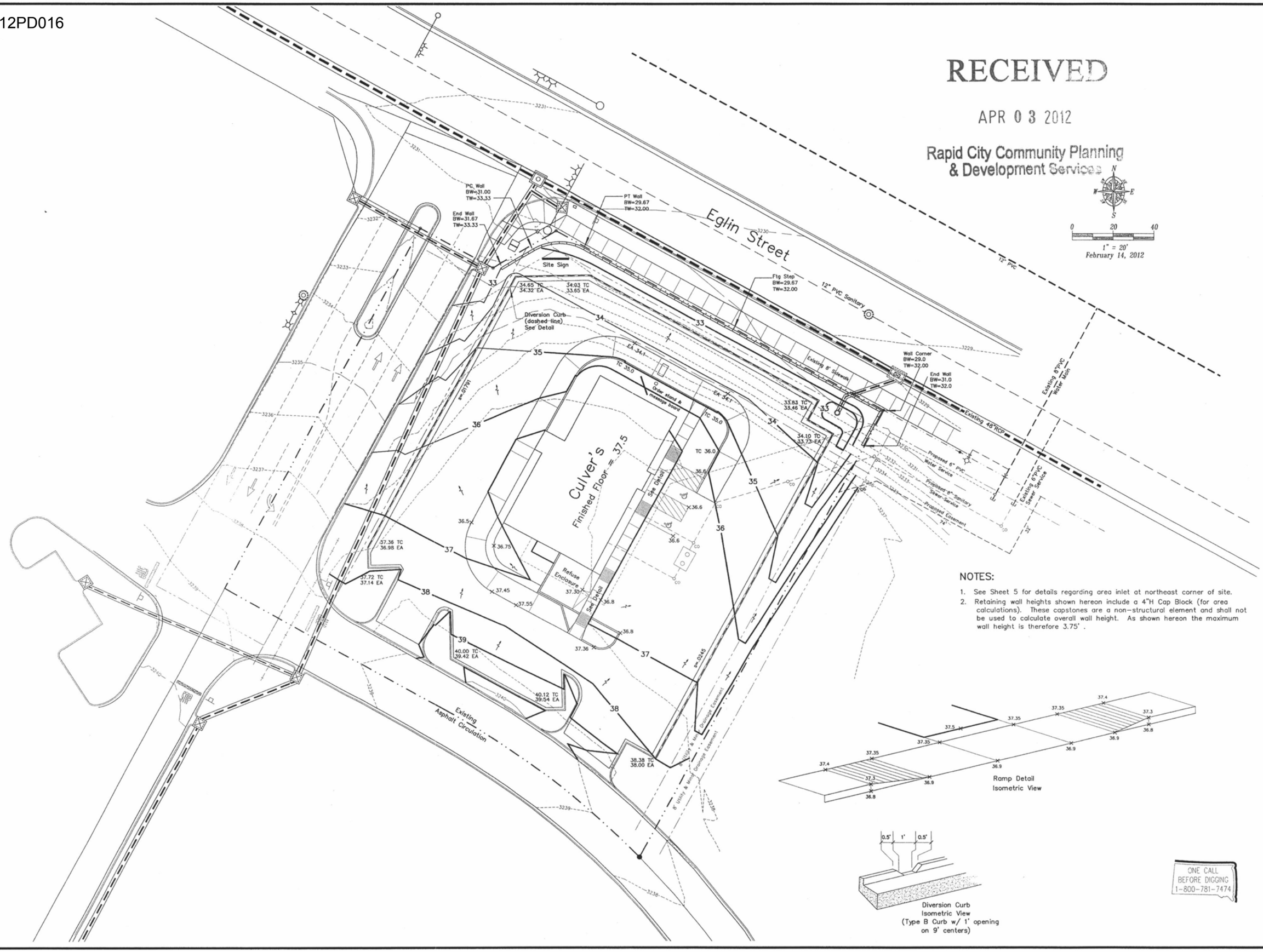
12PD016



NOTES:

1. See Sheet 5 for details regarding area inlet at northeast corner of site.
2. Retaining wall heights shown hereon include a 4"H Cap Block (for area calculations). These capstones are a non-structural element and shall not be used to calculate overall wall height. As shown hereon the maximum wall height is therefore 3.75' .

Ramp Detail
Isometric View

Diversion Curb
Isometric View
(Type B Curb w/ 1' opening on 9' centers)

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
(605) 348 1538 (ph) (605) 341-1112 (fx)
fiskls@midconetwork.com

1" = 20'
February 14, 2012

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR
WARREN L. FISK
5/14/12
SOUTH DAKOTA

Site Plan
for Proposed Culver's Restaurant
Lot 4A of Block 2 of
Rushmore Crossing Subdivision
Rapid City, Pennington County, South Dakota

Surveyed by:	ML
Date:	1/17/12
Drawn by:	RWF
Date:	1/25/12
Checked by:	WF

Revisions
Swr, Wtr - 3/14/12

Project No.
12-01-03

Grading & Drainage Plan

12PD016

EROSION AND SEDIMENT CONTROL (ESC) NARRATIVE

Site Name
Culver's Restaurant
1015 Eglin Street
Lot 4A, Block 2, Rushmore Crossing Subdivision
Rapid City, Pennington County, South Dakota

Owner
Midland Rushmore LLC
804 Montgomery Road, Suite 710
Cincinatti, Ohio 45236

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 a Culver's Restaurant, including shaping and grading for parking/circulation and service extensions for utilities.

EXISTING SITE CONDITIONS
The site is an undeveloped grass field draining north-northeast.

ADJACENT AREAS
North: Interstate 90/General Commercial
South: General Commercial
East: General Commercial
West: General Commercial

SOILS
See Geotechnical Exploration

AREA AND VOLUME DISTURBED
Disturbed area consists of 46,500 SF± of grass field.
Total volume disturbed 3,500 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 north-northeasterly at 1% and 10% ±. 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

Erosion Control Method	Max Allowable period of exposure (months)
Surface Roughening	N/A
Mulching	12
Temporary Revegetation	12-24
Permanent Revegetation	24 or more
Soil Stockpile Revegetation	2
Early Application of Road Base	1

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.

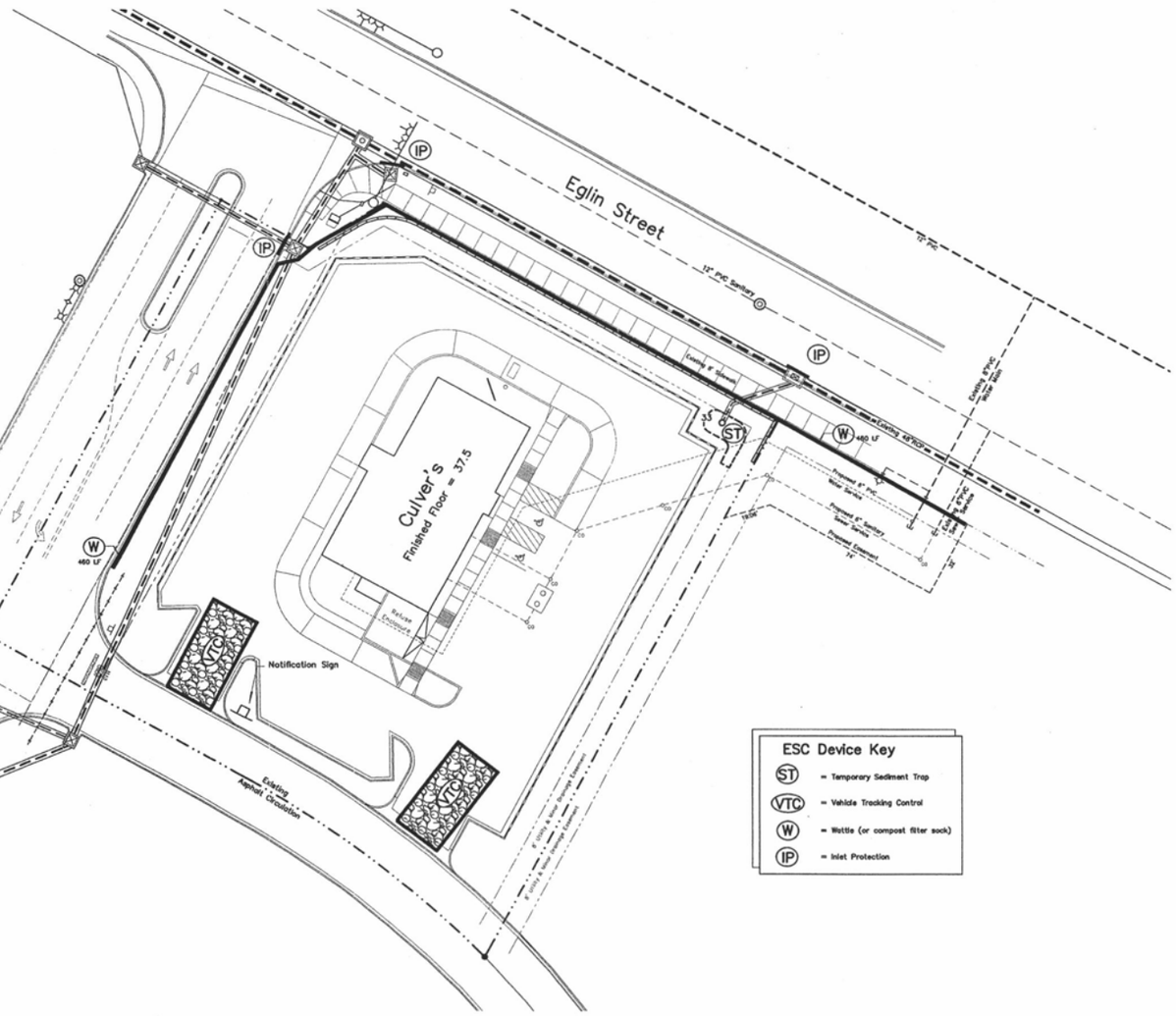
EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION
This erosion and sediment control narrative and attached erosion and sediment plan appears to fulfill the technical criteria and the criteria for erosion control and the requirements of the City of Rapid City. I understand that additional erosion and sediment 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.

Warren L. Fisk 3/14/12
Engineer Date



RECEIVED
APR 03 2012
Rapid City Community Planning & Development Services

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
(605) 348 1538 (ph) (605) 341-1112 (fx)
fiskls@midconetwork.com

REGISTERED PROFESSIONAL ENGINEER & LAND SURVEYOR REG. NO. 1731 WARREN L. FISK 3/14/12 SOUTH DAKOTA

Civil Site Improvements
for Proposed Culver's Restaurant
Lot 4A of Block 2 of
Rushmore Crossing Subdivision
Rapid City, Pennington County, South Dakota

Surveyed by:	ML
Date:	1/17/12
Drawn by:	RWF
Date:	1/25/12
Checked by:	WF
Revisions	
Project No.	12-01-03
ESC Plan & Narrative	