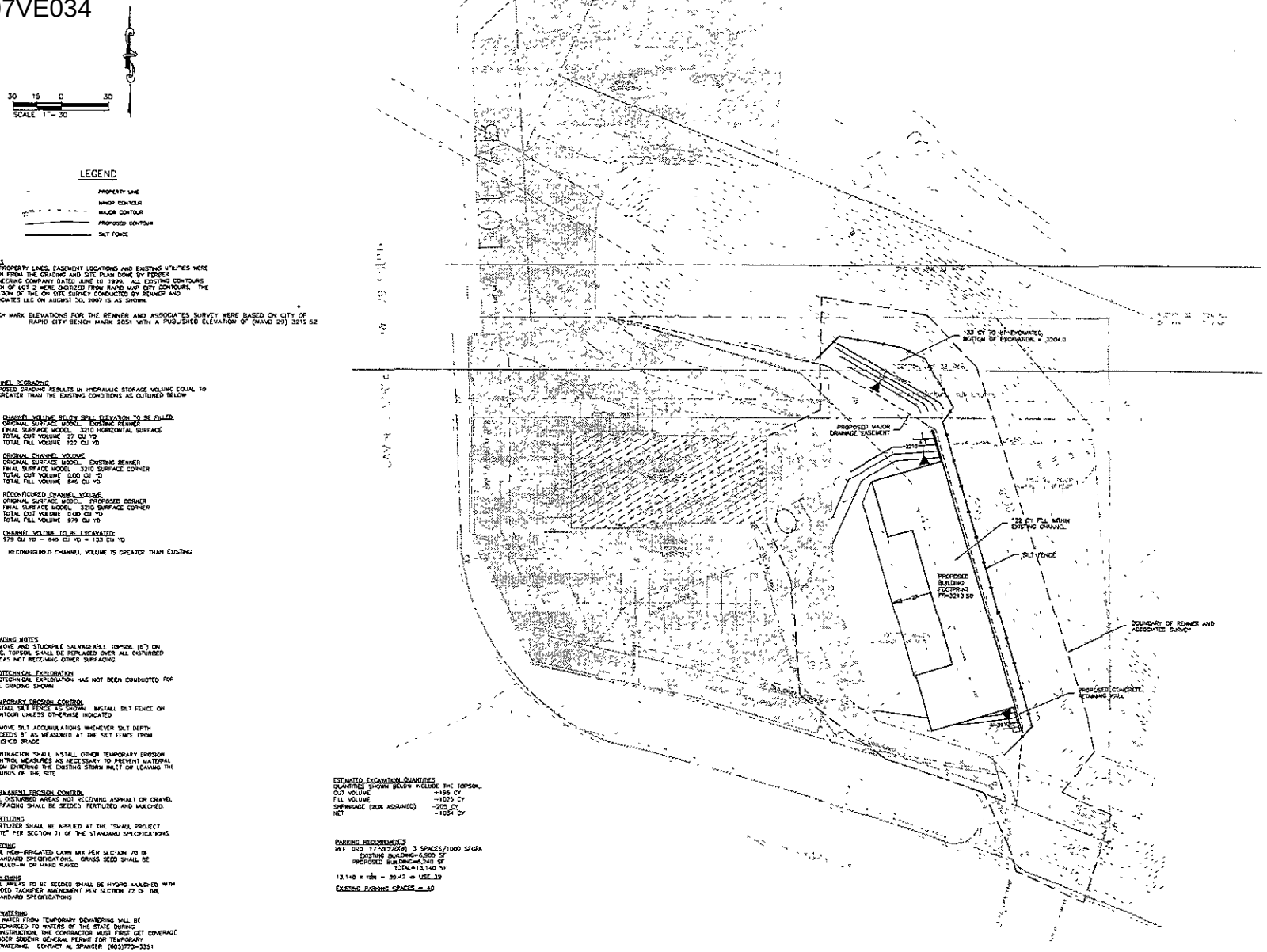
07VE034



NOTES
ALL PROPERTY LINES, EASEMENT LOCATIONS AND EXISTING UTILITIES WERE TAKEN FROM THE GRADING AND SITE PLAN DONE BY FERBER ENGINEERING COMPANY DATED JUNE 10 1999. ALL EXISTING CONTOURS NORTH OF LOT 2 WERE DIGITIZED FROM RAPID MAP CITY CONTOURS. THE LOCATION OF THE ON SITE SURVEY CONDUCTED BY REINNER AND ASSOCIATES LLC ON AUGUST 30, 2007 IS AS SHOWN.

BENCH MARK ELEVATIONS FOR THE REINNER AND ASSOCIATES SURVEY WERE BASED ON CITY OF RAPID CITY BENCH MARK 2051 WITH A PUBLISHED ELEVATION OF (NAVD 29) 3212.62

CHANNEL REGRADING
PROPOSED GRADING RESULTS IN HYDRAULIC STORAGE VOLUME EQUAL TO OR GREATER THAN THE EXISTING CONDITIONS AS OUTLINED BELOW

CHANNEL VOLUME BELOW SPILL ELEVATION TO BE FILLED
ORIGINAL SURFACE MODEL: EXISTING REINNER
FINAL SURFACE MODEL: 3210 HORIZONTAL SURFACE
TOTAL CUT VOLUME 77 CU YD
TOTAL FILL VOLUME 122 CU YD

ORIGINAL CHANNEL VOLUME
ORIGINAL SURFACE MODEL: EXISTING REINNER
FINAL SURFACE MODEL: 3210 SURFACE CORNER
TOTAL CUT VOLUME 0.00 CU YD
TOTAL FILL VOLUME 846 CU YD

RECONFIGURED CHANNEL VOLUME
ORIGINAL SURFACE MODEL: PROPOSED CORNER
FINAL SURFACE MODEL: 3210 SURFACE CORNER
TOTAL CUT VOLUME 0.00 CU YD
TOTAL FILL VOLUME 979 CU YD

CHANNEL VOLUME TO BE EXCAVATED:
979 CU YD − 846 CU YD = 133 CU YD

RECONFIGURED CHANNEL VOLUME IS GREATER THAN EXISTING

GRADING NOTES
REMOVE AND STOCKPILE SALVAGEABLE TOPSOIL (6") ON SITE. TOPSOIL SHALL BE REPLACED OVER ALL DISTURBED AREAS NOT RECEIVING OTHER SURFACING.

GEOTECHNICAL EXPLORATION
GEOTECHNICAL EXPLORATION HAS NOT BEEN CONDUCTED FOR THE GRADING SHOWN

TEMPORARY EROSION CONTROL
INSTALL SILT FENCE AS SHOWN. INSTALL SILT FENCE ON CONTOUR UNLESS OTHERWISE INDICATED

REMOVE SILT ACCUMULATIONS WHENEVER SILT DEPTH EXCEEDS 6" AS MEASURED AT THE SILT FENCE FROM FINISHED GRADE

CONTRACTOR SHALL INSTALL OTHER TEMPORARY EROSION CONTROL MEASURES AS NECESSARY TO PREVENT MATERIAL FROM ENTERING THE EXISTING STORM INLET OR LEAVING THE BOUNDS OF THE SITE.

PERMANENT EROSION CONTROL
ALL DISTURBED AREAS NOT RECEIVING ASPHALT OR GRAVEL SURFACING SHALL BE SEEDED FERTILIZED AND MULCHED.

FERTILIZING
FERTILIZER SHALL BE APPLIED AT THE "SMALL PROJECT RATE" PER SECTION 71 OF THE STANDARD SPECIFICATIONS.

SEEDING
USE NON-IRRIGATED LAWN MIX PER SECTION 70 OF STANDARD SPECIFICATIONS. GRASS SEED SHALL BE DRILLED-IN OR HAND RAKED

MULCHING
ALL AREAS TO BE SEEDED SHALL BE HYDRO-MULCHED WITH ADDED TACKIFIER AMENDMENT PER SECTION 72 OF THE STANDARD SPECIFICATIONS

DEWATERING
IF WATER FROM TEMPORARY DEWATERING WILL BE DISCHARGED TO WATERS OF THE STATE DURING CONSTRUCTION, THE CONTRACTOR MUST FIRST GET COVERAGE UNDER SDDENR GENERAL PERMIT FOR TEMPORARY DEWATERING. CONTACT AL SPANIER (605)773-3351

ESTIMATED EXCAVATION QUANTITIES
QUANTITIES SHOWN BELOW INCLUDE THE TOPSOIL.
CUT VOLUME +198 CY
FILL VOLUME −1035 CY
SHRINKAGE (FROM ASSUMED) −205 CY
NET −1034 CY

PARKING REQUIREMENTS
REF GRD 1254.220(A) 3 SPACES/1000 SF GFA
EXISTING BUILDING=6,900 SF
PROPOSED BUILDING=6,240 SF
TOTAL=13,140 SF
13,140 x 1/1k = 39.42 ⇒ USE 39
EXISTING PARKING SPACES = 60

Renner & Associates, LLC
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Spearfish Office 605/717-0018

PROFESSIONAL ENGINEER
8603
MITCHELL D. KERTZMAN
SOUTH DAKOTA

Scale: 1"=30' HOR
Designed By: MDK
Design Date: 9/5/07
Surveyed By: DK JD JO
Drawn By: PMM
Plot Date: 9/6/07
Survey Date: 8/30/07

LOCATION
GREAT WESTERN AUTO
LOT 2 OF THE RTA ADDITION
LOCATED IN THE NW1/4 OF THE NW1/4 OF SECTION 6,T1N, R6E, BHM
RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

Prepared For:
JAMES TAYLOR
MORTON BUILDINGS
P.O. BOX 1647
RAPID CITY SD 57709

Internal Job No: #2302A

Sheet Title: LOT 2 GRADING

Sheet: 1 of 1