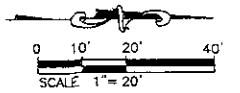


SITE PLAN - LANDSCAPING / PARKING
SCALE 1" = 20'



LATE
SUBMITTAL

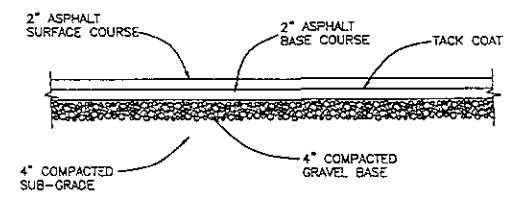
RECEIVED

APR 27 2009

Rapid City Growth
Management Department

EROSION & SEDIMENT CONTROL

AN EROSION AND SEDIMENT CONTROL PERMIT APPLICATION AND PLAN IS NOT REQUIRED, EARTH MOVING ACTIVITY IS LESS THAN 300 CUBIC YARDS. SILT FENCES SHALL BE CONSTRUCTED PER R.C. STANDARD SPECIFICATIONS.



ASPHALT PAVEMENT SECTION
NO SCALE

DRAINAGE CALCS.

EXISTING FLOW
LOT AREA = 40,283 SF
DISTANCE L = 335'
 $T_c = 335/180 + 10 = 11.86$ MIN
ROOF/PVMT $Q=CIA=9(6.37)8159 = 4.678$ CFS
GRAVEL AREA $Q=35(6.37)0413 = 0.092$ CFS
LAWN AREA $Q=20(6.37)0538 = 0.069$ CFS
TOTAL EXIST FLOW = 4.839 CFS

NEW DEV FLOW
 $T_c = 335/180 + 10 = 11.86$ MIN
ROOF/PVMT $Q=CIA=9(6.37)7804 = 4.474$ CFS
GRAVEL AREA $Q=35(6.37)0273 = 0.061$ CFS
LANDSC. AREA $Q=20(6.37)1171 = 0.069$ CFS
TOTAL EXIST FLOW = 4.684 CFS

NEW DEV FLOW IS LESS THAN EXISTING FLOW

LANDSCAPE POINTS

BUSHES	250 POINTS	x74	= 18,500 POINTS
SMALL TREES	500 POINTS	x6	= 3,000 POINTS
MEDIUM TREES	1,000 POINTS	x5	= 5,000 POINTS
LARGE TREES	2,000 POINTS	x3	= 6,000 POINTS
TOTAL LANDSCAPE POINTS			= 32,500 POINTS
TOTAL LANDSCAPE POINTS REQUIRED			= 32,232 POINTS

PARKING CALCS.

RESTAURANT	3,720 S.F.	@ 11/1,000	= 40.92 SPACES
RETAIL / ARCADE	3,000 S.F.	@ 6/1,000	= 15.3 SPACES
OFFICE	306 S.F.	@ 5/1,000	= 1.53 SPACES
STORAGE	702 S.F.	@ 25/1,000	= 17 SPACES
TOTAL SPACES REQUIRED			= 74.75 SPACES

SPOT ELEVATIONS

MARK	ELEVATION
A	3334.1' TOP OF CURB
B	3338.3' TOP OF CURB
C	3332.7' TOP OF ASPHALT

KEYED NOTES

- (L1) SEE DETAIL 1/1.5.3
- (L2) EXISTING CONCRETE DRAIN PAN TO REMAIN
- (L3) EXISTING GRAVEL AREA TO REMAIN
- (L4) NEW CONCRETE DRAIN PAN AREA
- (L5) GLASS SCREEN WALL SEE DETAIL 2/1.5.3
- (L6) NEW FIRE HYDRANT SEE DETAIL 5-1/1.5.1
- (L7) NEW CURB AND GUTTER SEE DETAIL 60-2/1.5.2
- (L8) 6" DRAIN PAN w/ 4" RIVER ROCK

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