

Drainage Reports

Abbreviated Water & Sewer Need Reports

Water Study

Wastewater Study

Stormwater Waiver Application

SEWER NEED REPORT

Project: 2nd Street Hub – Restaurant and Retail
Date: March 31, 2017
Prepared by: Julie S. Rayburn, P.E./RCC Design Group, LLC
Project Description: New Restaurant / Retail Building
Location: 3712 & 3720 N. Scottsdale Road, Scottsdale, AZ , A Portion of the NE Corner of Section 27, T2N, R4E of the Gila and Salt River Base and Meridian, Maricopa County, Arizona
Existing Conditions: Currently used as a parking lot
Zoning: City Zone Code C-3

Sanitary Sewer Demand Calculations:

Average Daily Flow:


Retail: 0.5 gpd / s.f. = 0.5 x 6,657 = 3,329 gpd
Restaurant: 1.2 gpd / s.f. = 1.2 x 4,037 = 4,844 gpd

Total = 8,173 gpd

Maximum Daily Flow:

8,173 gpd x 6.0 (peak factor) = 49,040 gpd

Sanitary sewer service for this site is provided by the existing 8" sewer line in the alley west of the site.


3/31/17
EXPIRES 3/31/20

 **FILE COPY**

18-DR-2017

4/6/17

WATER NEED REPORT

Project: 2nd Street Hub – Restaurant and Retail
Date: March 31, 2017
Prepared by: Julie S. Rayburn, P.E./RCC Design Group, LLC
Project Description: New Restaurant / Retail Building
Location: 3712 & 3720 N. Scottsdale Road, Scottsdale, AZ , A Portion of the NE Corner of Section 27, T2N, R4E of the Gila and Salt River Base and Meridian, Maricopa County, Arizona
Existing Conditions: Currently used as a parking lot
Zoning: City Zone Code C-3

Sanitary Sewer Demand Calculations:

Average Daily Flow:

Retail: 0.7 gpd / s.f. = 0.7 x 6,657 = 4,660 gpd
Restaurant: 1.2 gpd / s.f. = 1.2 x 4,037 = 4,844 gpd

Total = 9,504 gpd

Maximum Daily Flow:

9,504 gpd x 4.0 (peak factor) = 38,017 gpd

Water service for this site is provided by the existing 8" water line in 2nd Street and service from the 8" water line in Scottsdale Road.



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