



ESTRELLA

MULTI-PURPOSE TRAIL PLAN

PREPARED BY THE CITY OF PHOENIX
PLANNING DEPARTMENT

ESTRELLA VILLAGE MULTI-PURPOSE TRAIL PLAN

The Phoenix General Plan recommends a City wide trail system. To be effective, the trail network should be easily accessible and convenient to Phoenix residents and should link the County trails and those of adjacent municipalities.

A future community trail system is discussed in the Estrella Village Plan as well. The network will be an integral part of the village linking residential neighborhoods with village activity centers such as the core, schools, Rio Salado, and employment areas. Many of the residential developments will have their own trails or green ways using retention areas that will weave through the neighborhoods and link with the Village's community trails at the neighborhood edges.

The trails are considered multi-purpose, which means that they accommodate the recreation needs of the equestrians, joggers, and walkers. Bicyclists are welcomed to use the trails as well and can also use the separate bike lanes provided on each side of the arterial streets. The attached Estrella Village Community Trails Map shows the trails located along SRP and WAPA power line corridors, the Roosevelt Irrigation District Canal, the north bank of the Rio Salado, and arterial and collector streets.

TRAIL DESIGN

Trail widths are approximately 10 feet. The trail surface can consist of compact decomposed granite at least 4 inches thick or concrete or asphalt pavement. Shade trees are highly acceptable along the trail system wherever possible and permitted. There should be a minimum of 2 feet graded area between the trail edge and any wall or structure. A sidewalk should always be separated from the location of the trail using landscaping as the buffer.

A. Signage

Trail signage is required to direct users to the location of the trail system. The City's Parks, Recreation and Library Department will provide information on the type of acceptable trail sign.

B. Recreation Activities

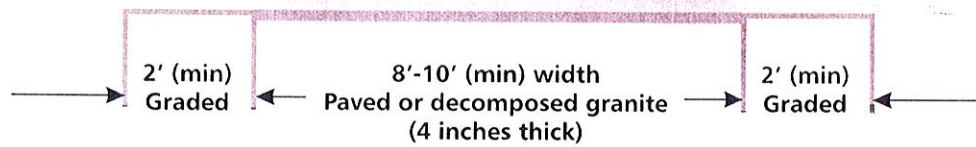
Exercise courses, garden areas, benches and other types of compatible recreation uses are acceptable along the trails where they can be accommodated.

C. Crosswalks

Crosswalks are to be provided where the trail continues or links from one side of a road to another. Where there are heavy vehicular traffic areas, blinking lights should also be provided at both ends of the crosswalk to warn traffic of trail crossing. Grade separated crossings are highly desirable within the village's trail system.

D. Trail Maintenance

Trail maintenance will be the responsibility of the adjacent property owners or homeowners associations. Otherwise, the Phoenix Parks, Recreation, and Library Department will be responsible for maintenance if the trail is dedicated as part of the City's trail system.



MULTI USE TRAIL

TRAIL LOCATIONS

A. Arterial Streets

Lower Buckeye Road has a trail, which extends from 51st to 107th Avenues. The trail will be located on both sides of the street to accommodate the linkage of neighborhoods from the north side of Lower Buckeye Road to the community trail system located between the south side of Lower Buckeye Road and Broadway Road.

The section of Lower Buckeye Road, from 59th to 107th Avenues is designated as a residential parkway. It will be 130' in width. Lower Buckeye Road, east of 59th Avenue, is in an industrial area and the width of the future right of way is 100 feet.

67th Avenue will have a trail on the east side of the street. The trail provides the linkage between the existing neighborhoods located around Van Buren Avenue to the future core located off 63rd Avenue. The east side of 67th Avenue was chosen for the location of the trail since there is an existing equestrian trail located just south of Garfield Street on the east side of 67th Avenue in a residential neighborhood.

The trail on 51st Avenue is known as the Shepherders' Trail. It is historically significant since in the early part of this century, sheep were herded from the South Mountain range to a mountain range outside of Prescott traveling along a route that was in the vicinity of 51st Avenue. The location of the trail in the Estrella Village is on the west side of the street.

The Broadway Road trail is described under the Power Line Corridor section of this report.

B. Collector Streets

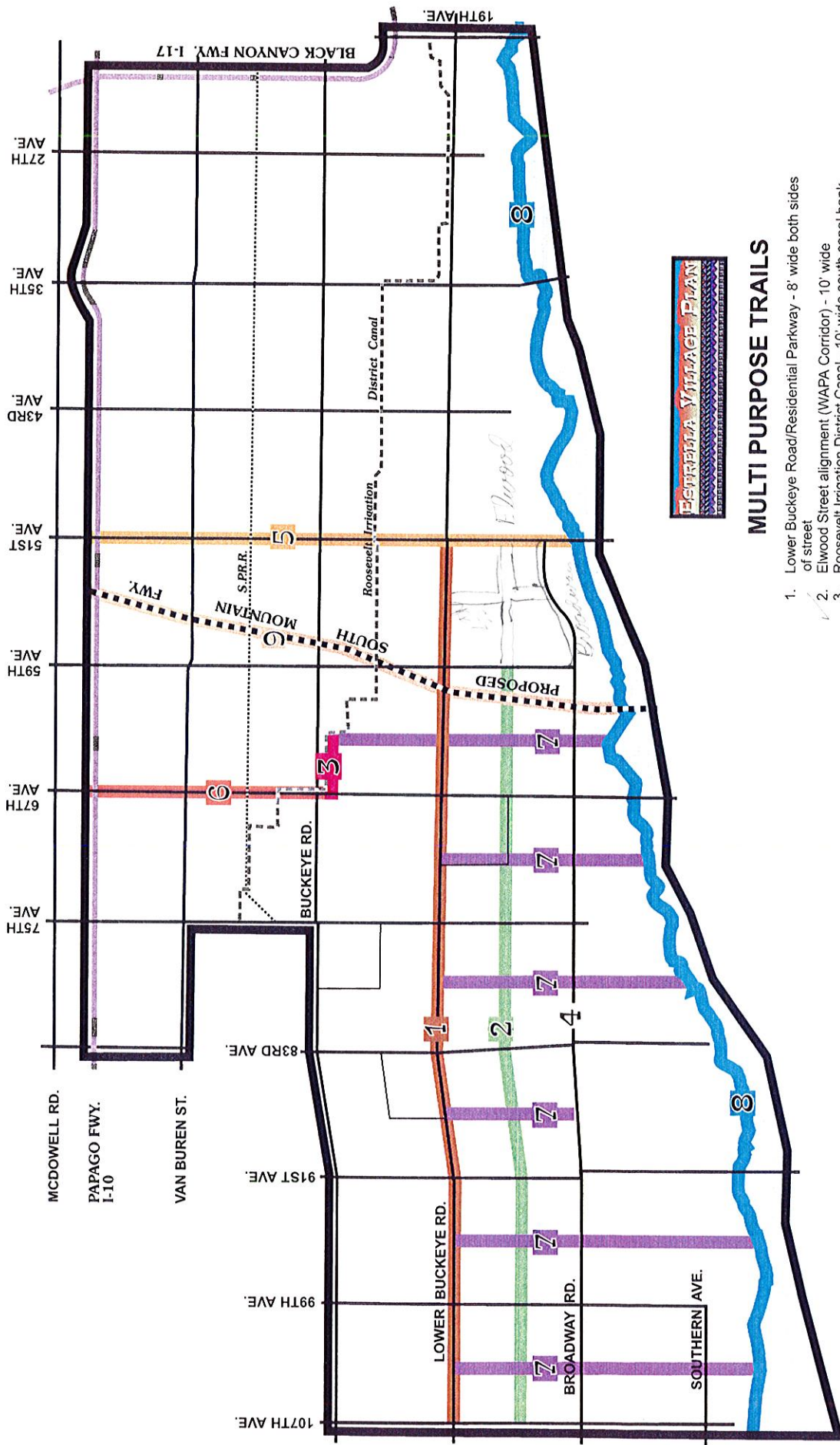
Trails on collector streets are to accommodate a quieter, more peaceful recreation experience due to less traffic. As development occurs, the side of the street where the trail is to be located will be decided. The exception is 63rd Avenue where the trail will be located on the west side of the street from Lower Buckeye Road to Elwood Street and on the east side of the street from Elwood Street to Broadway Road.

Based on the current City interpretation of ADA (American Disabilities Act), a trail can't substitute for a sidewalk unless the trail is paved. Therefore, sidewalks are to be provided on both sides of a collector street and one side of the street will also include the trail.

C. Power Line Corridors

There are two power line corridors which consist of 115 kv lines or greater. First is the WAPA (Western Area Power Administration) Corridor which is located half way between Lower Buckeye Road and Broadway Road along the Elwood Road alignment and the SRP Corridor which is located on the north side of Broadway Road. The power line corridors are easements within private property. A 10-foot wide trail should be provided with a clear zone of five feet on both sides. The paving material can consist of 4 inches of decomposed granite.

Exercise courses and hitching racks are permitted and should be properly grounded, at least 50 feet away from the utility towers. The trail user should be aware of potential shocking from electric wires, which is similar in sensation to carpet shocks.



MULTI PURPOSE TRAILS

1. Lower Buckeye Road/Residential Parkway - 8' wide both sides of street
2. Elwood Street alignment (WAPA Corridor) - 10' wide
3. Roosevelt Irrigation District Canal - 10' wide south canal bank
4. Broadway Road (SRP Corridor) - 10' wide
5. 51st Avenue - 10' wide west side of street
6. 67th Avenue/Residential Parkway - 8-10' east side of street
7. Collector streets - 8' wide one side of street
8. Rio Salado Trail - within the 50' wide corridor from the edge of the flood plain
9. South Mountain Parkway - 10' wide to be incorporated into design based on South Mountain Parkway Specific Plan



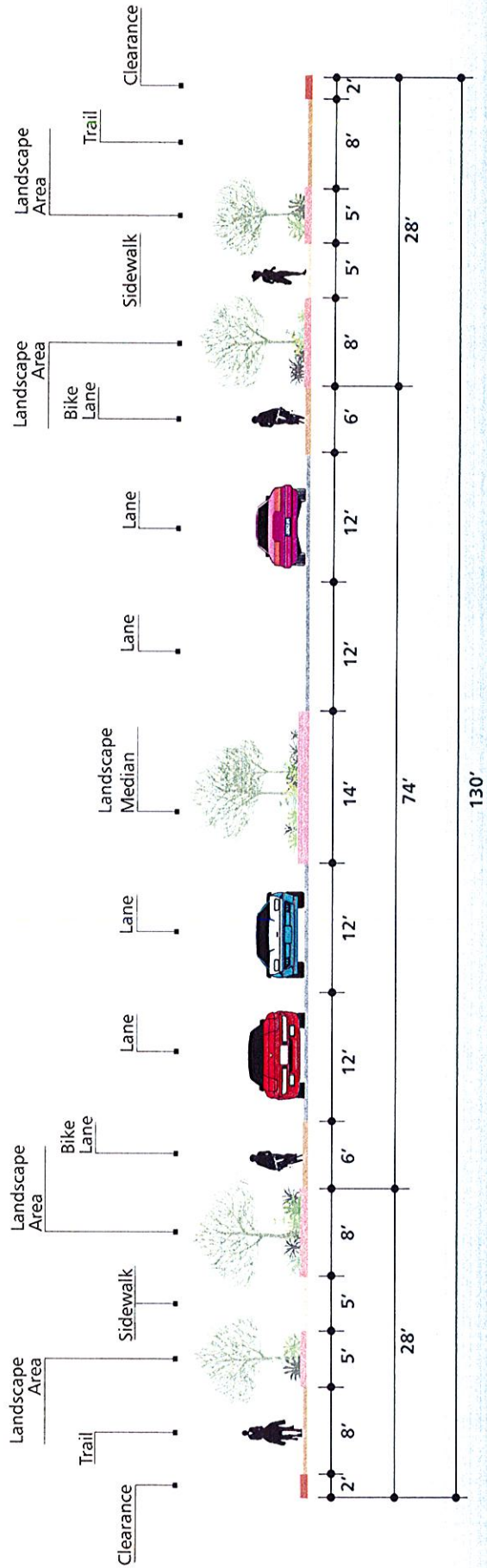
CITY OF PHOENIX PLANNING DEPARTMENT
DECEMBER 1998

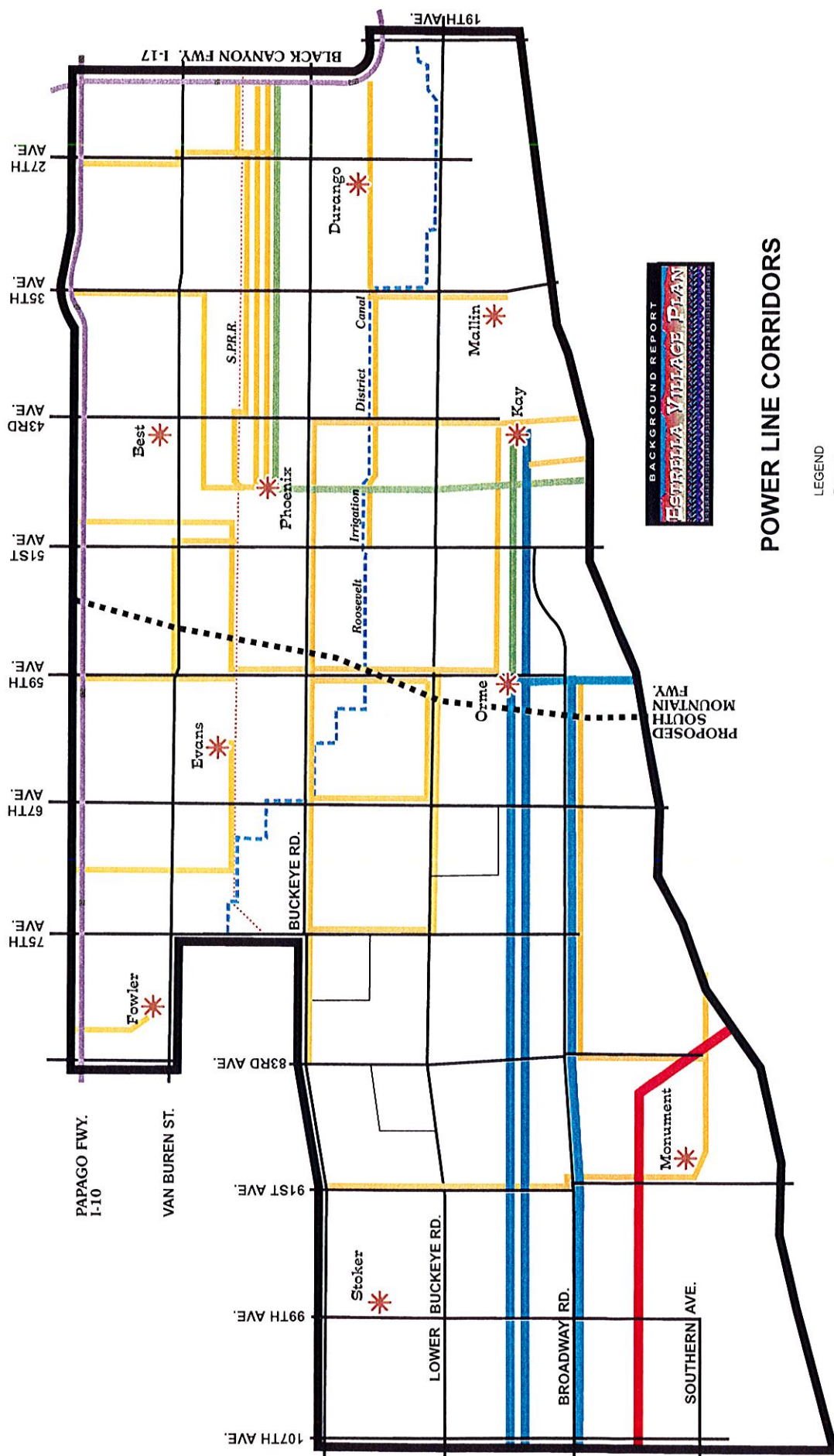
LOWER BUCKEYE ROAD

RESIDENTIAL PARKWAY

Cross Section

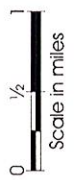
59th Ave. To 107th Ave.





POWER LINE CORRIDORS

- LEGEND
- SUBSTATION
 - 500KV
 - 230 KV
 - 115 KV
 - 69KV
 - VILLAGE BOUNDARY



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DECEMBER 1998

When developing the trail system along the corridors, a 20-foot driveable area should be provided (separate from the trail) to allow for 12-foot wide cranes to work with the utility towers.

A license agreement will be required between SRP or WAPA and the homeowners association or developer.

D. Roosevelt Irrigation District Canal

Between 63rd and 67th Avenues, south of Lower Buckeye Road, a community trail will be provided along the Roosevelt Irrigation District Canal. An existing residential subdivision is located on the south side of the canal at this location and the Estrella General Plan shows the location of a future patio home or town home development on the north side of the canal. People are more likely to watch the canal bank activity from their backyards in this area. And joggers and walkers will feel more safe and secure knowing that eyes are on them. Also, the trail will lead to the future core, which will be located between 59th and 63rd Avenue south of Lower Buckeye Road.

The trail width will be 8-10 feet and located on the outside of the canal bank to avoid any interference with RID's crew work in canal clean up. The trail path should consist of 4" pressed decomposed granite, an edging, and some landscaping. Signage to indicate the community multi use trail is also suggested.

A license agreement will be required between RID and the City of Phoenix and/or private developers.

E. Rio Salado Trail

A trail will be located within a 50-foot wide corridor. The corridor begins at the edge of the flood plain. The trail will extend from 19th Avenue to 107th Avenue.

A section of the Sun Circle Hiking and Riding Trail is designated between 83rd and 107th Avenues. This is a 110-mile Maricopa County trail loop. The Sun Circle trail and 580 miles of secondary trails link Valley urban areas and the County regional park system. From 107th Avenue the trail continues along the Rio Salado corridor to the City of Avondale and links with the Agua Fria River basin. From 83rd Avenue the trail drops south and follows the western edge of the Gila River Indian Reservation.

F. South Mountain Parkway

A specific plan for the South Mountain Parkway will include a trail approximately 10 feet wide. The trail starts at Interstate 10 on the north linking the Pecos Road area to the south. The trail will have crossings at each of the major streets and be incorporated in the overpass design. Outside of the mainline, the trail should be at the toe of the slopes when the parkway goes over the arterial streets.