



## GENERAL NOTES FOR DEVELOPER PROJECTS

1. The Contractor shall construct the flood control improvements shown on the drawings in conformance with the requirements of the Riverside County Flood Control and Water Conservation District's (District) M.O.U. Standard Specifications dated March 2020 and District Standard Drawings. For the latest Standard Drawings, please refer to the "Engineering Tools" page found on the "Business" section of the District's website.
2. Contact the Encroachment Permit Engineer at 951.955.1266 if an encroachment permit is required from the District. After the permit is issued, the District must be notified one (1) week prior to construction.
3. Contact Construction Management at 951.955.1288 if construction inspection will be performed by the District. The District must be notified twenty (20) days prior to construction.
4. All stationing refers to centerline of construction unless otherwise noted.
5. Stationing for laterals and connector pipes refer to the centerline intersection stations.
6. Forty-eight (48) hours before excavation, call Underground Service Alert at 1.800.422.4133.
7. All elevations shown are in feet and decimals thereof based on the North American Vertical Datum (NAVD 88).
8. All coordinates are shown in feet and decimals thereof based on the North American Datum (NAD 83), California Coordinate System (CCS), Zone 6 and Epoch \_\_\_\_\_.
9. All cross sections are taken looking downstream.
10. Elevations of utilities are approximate unless otherwise noted.
11. Unless otherwise specified, minimum street reconstruction shall be 4-inches Type "A" Hot Mix Asphalt over 6-inches Class 2 Aggregate Base or as specified by the Engineer.
12. Openings resulting from the cutting or partial removal of existing culverts, pipes or similar structures to be abandoned shall be sealed with 6-inches of Class "B" Concrete.
13. Pipe connected to the mainline pipe shall conform to Junction Structure No. 4 (JS 229) unless otherwise noted.

14. Pipe bedding shall conform to District Standard Drawing No. M815.
15. BH-1 indicates soil boring locations based on the soils report dated \_\_\_\_\_. Locations shown are approximate.
16. "V" is the depth of catch basins measured from the top of curb to invert of connector pipe.
17. Catch basins shall be located so that local depression shall begin at existing curb return joint, unless otherwise specified.
18. All curbs, gutters, sidewalks, driveways and other existing improvements are to be reconstructed in kind and at the same elevation and location as the existing improvements unless otherwise noted.
19. Standard Drawings called for on the plan and profile shall conform to District Standard Drawings unless noted otherwise.
20. The Contractor is required to call all utility agencies regarding temporary shoring and support requirements for the various utility lines shown on these plans.
21. During rough grading operations and prior to construction of permanent drainage structures, temporary drainage control should be provided to prevent ponding water and damage to adjacent properties.
22. Approval of these plans by District does not relieve the Developer's Engineer of responsibility for the engineering design. If field changes are required, it will be the responsibility of the Design Engineer to make the necessary corrections.
23. The Contractor or Developer shall secure all required encroachment and/or state and federal regulatory permits prior to the commencement of any work.
24. The concrete coating on the inside of all reinforced concrete pipes and structures must be increased to provide a minimum of 1-1/2-inches over the reinforcing steel and increased to a minimum of 3-1/2-inches over reinforcing steel for box culvert, when design velocities exceed 20 feet per second. The concrete design strength for reinforced concrete pipes and structures in these reaches shall be  $f'_c=5,000$  psi for velocities exceeding 20 feet per second and  $f'_c=6,000$  psi for velocities exceeding 30 feet per second.
25. Construction joints for Caltrans standard reinforced concrete box shall be placed according to District Standard Drawing No. Box 401.
26. Rock for access roads, turn arounds and other areas within District right of way as shown on the project drawings and as directed by the Engineer shall meet the requirements for 1-inch x No. 4 coarse aggregate as per Section 90-1.02C(4)(b) of the Caltrans Specifications. X values for rock gradation shall be 75 and 15 for 3/4-inch and 3/8-inch respectively. Rock shall additionally meet the spreading and compaction requirements of Sections 26-1.03D and 26-1.03E of the Caltrans Specifications. Furthermore, rock depth shall not exceed 3-inches and shall be subject to approval by the Engineer. Rock shall not contain recycled concrete products.