

CERTIFICATION STATEMENT:

Engineers Statement

This attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this report.

L DUCETT, P.E. 32339

Seal

Developers Statements

I, TIMBERRIDGE ESTATES, LLC, the developer have read and will comply with all of the requirements specified in this drainage report and plan.

TIMBERRIDGE ESTATES, LLC.

Business Name

PROVIDE SIGNATURES

By: _____

Title: _____

Address: _____

El Paso County Approval:

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 & 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

Jennifer Irvine,
County Engineer / ECM Administrator

Date

Conditions:

flows to a low point at the western side of the basin at Design Point 2, where it flows onto Basin C.

Basin C (15.36 acres) includes most of the western and northern portions of the site and is proposed for large residential lot development and the proposed Full Spectrum Extended Detention Basin. Runoff ($Q_5=4.8$ cfs and $Q_{100}=24.7$ cfs) sheet and channels flows to the detention basin in the southwest corner of the basin at Design Point 1. Outflow from the detention basin flows onto Basin E before flowing into Sand Creek.

Basin D (2.60 acres) is an area consisting of the north side of part of the existing Arroya Lane road and a small area north of the road. Runoff ($Q_5=1.1$ cfs and $Q_{100}=4.7$ cfs) sheet and channels flows to the west, where it crosses the new Nature Refuge Way road in proposed dual 24" RCP culverts and flows onto Basin E.

Basin E (1.04 acres) is an area consisting of the north side of part of the existing Arroya Lane road. Runoff ($Q_5=1.8$ cfs and $Q_{100}=4.7$ cfs) primarily channel flows to the west, where it enters Sand Creek at Design Point 5. Flows also enter Basin E from Basin D, the detention basin outfall, Basin F, and Basin OS-5 on their path to Sand Creek. Water quality for Basins E and D following the paving of Arroya Lane can be addressed by installing a sand filter in the road side swale near point PR7 (preliminary design calculations are included in the appendix).

Basin F (0.72 acres) is an area on the western edge of the site that includes some area in large residential lot development and some area around the detention basin. Runoff ($Q_5=0.2$ cfs and $Q_{100}=1.7$ cfs) sheet flows to the southwest and onto Basin E.

Basin G (1.16 acres) is an area consisting of the north side of part of the existing Arroya Lane road. Runoff ($Q_5=2.0$ cfs and $Q_{100}=5.1$ cfs) primarily channel flows to the east, where it enters Sand Creek at Design Point 6. Water quality for Basin G following the paving of Arroya Lane can be addressed by installing a sand filter in the road side swale near Design Point 6 (preliminary design calculations are included in the appendix).