

TO: DEVON HILLS COMMUNITY ASSOCIATION

Scope of work(PRIMARY)

- Excavate soil to open up water storage in front of headwall
- Benefit:** increased capacity/uninhibited water conveyance

- Place excavated soil on front and top to create a higher berm
- Benefit:** Prevent water runoff/ storm waters will flow thru the pipe easily

- New berm will be stabilized w/ vegetative ground cover/grass seed
- Benefit:** erosion prevention/a more stable water storage

- Install rip rap rock for “check” dams
- Benefit:** prevention of debris collection along the drainage water way

- Placement of topsoil if needed
- Removal of small trees, shrubs-Use of seed and straw for vegetative growth
- Benefit:** uninhibited capacity, soil erosion prevention

- Ditch to be lined with /rip rap rock
- Benefit:** soil stabilization by using erosion matting

Listed below is the address of each home that falls under the above mentioned scope of work and estimated costs specific to that address. There will be no work done on anyone’s property, only in common areas surrounding the following addresses.

2961 Glenway Drive:

2584 Devon Valley Drive:

2552 Devon Valley Drive:

805 North Highlands Ct:

808 North Highlands Ct.

The following sites require the same scope of work as previously mentioned in the above addresses...

In addition these sites will require the following because:

2580 Devon Valley Drive

- A very steep land slope with flooding did cause a land slide
- A very large tree slid down hill onto homeowner property and left a large crater(swale)

Scope of work

- The existing swale will have to be dug deeper:
- A “shot rock buttress” will be installed with the swale bottom as a base
- Buttress will be three ft thick to match width of the crater
- Buttress will extend up hill from crater bottom to top of hole in a wedge 2 to 3 ft thick

-Benefit: Stabilize the hillside, potential landslides prevention, most cost effective solution

2416 Devon Valley Drive...the problem:

- This property site is adjacent to the Colonial Brand Apartments with a steep embankment
- This steep embankment allows water runoff from their property onto our homeowner's property
- Erosion of homeowners back yard is significant and water runoff overwhelming
- The following recommendation will serve as a significant **improvement:**

Scope of work Part One 2416 Devon Valley Drive

- Construction of a new drainage ditch on side adjacent to Colonial Grand on their property
- New ditch to extend from rear of property across side yard to front of property
- The pitch of the ditch should be slightly elevated upward with a positive grade to convey water to the street
- The new ditch will intercept as closely as possible the existing drainage ditch in the **rear** of the property

Part Two (to extend along rear of property to **2420 Devon valley Drive**)

- Regrade, re engineer and re berm the existing drainage ditch in the back of this property
 - The existing re engineered ditch to extend to existing culvert along the rear of 2420 Devon Valley Drive
 - Excavated soil to be used to raise the height of the inside berm at least 18 inches
 - An easement will be needed from the apartment complex
 - Refer to primary scope of work to apply appropriate materials, time and labor
- Benefit:** Movement of water to main street/erosion prevention/ a dry back yard/ no longer susceptible to water overflow and flooding

-2601 thru 2617 South Highlands Drive... the problem

- The back of several homes are being flooded by water runoff from a home in a subdivision called Arlington Green
- Water flows uninhibited through the backyards along the southeast area with debris, limbs from trees and erosion materials
- There is no drainage ditch to divert the huge amounts of water
- The original site plan of this part of the development shows drainage ditch construction.
- This drainage construction has never occurred.
- SOLUTION-** A new drainage ditch and berm to be constructed along the rear property line
- To extend the new ditch/berm from the woods of 2617 S.Highlands to terminate in the area near the pool of 2601 S. Highlands
- Ditch to be a minimum of 4 feet wide and 18 inches deep
- Excavated soil to be placed to raise the berm a minimum height of 18 inches-
- The berm on downhill side to be sloped 3-to-1 for easy maintenance
- Stabilized w/ grass, ground cover and erosion control matting

Benefits: Water runoff from adjacent property will be controlled and redirected to the lower part of Old Hickory Blvd/ erosion prevention/ dry back yards / no longer susceptible to water overflow and flooding