

TOWMATE  
REPORT ON  
REVISIONS TO APPROVED GRADING/DRAINAGE PLAN  
NOVEMBER 2013

During construction of the approved project it has been determined by the Owner, Engineer and County Planning that certain revisions would help improve the current drainage situation at this site. Currently stormwater that passes beneath Hwy 12 through an existing box culvert flows onto the Towmate property as well as property to the east. The drainage channel to the east property has not been maintained through the years. It is wooded and during major rain events the water sheet flows onto both properties before reaching the Bear creek to the north of both properties.

The Owner proposes to define this channel conveyance. To do this the channel would need to be relocated onto the Towmate site per the revised plan. This would allow the Towmate Owner to maintain the channel. The Owner will provide a berm on the east side of the proposed channel to help protect the adjacent property owner to the east from the channelized stormwater runoff. This work would vastly improve drainage capabilities at the site.

The Owner proposes to 'waste' the excavated material from the proposed channel onto a previously designated employee parking area on the northeast corner of Owner's property. This area will be approximately 2'-3' high with gravel excavated from the proposed channel. Drainage swales will be constructed around this fill area to route stormwater to Bear Creek.

The Owner has installed 3-36" culverts under Bear Creek for an approved creek crossing (by the Army COE). These have become plugged during a recent major rainfall event. The Owner is aware of this and will be cognizant to prevent debris and sediment from clogging these culverts to prevent conveyance along Bear Creek to Beaver Lake.

---

Gary A. Davis, P.E.