



PROPOSED ROADSIDE WORK
ALONG BURKETT ROAD

25
BURKETT

17d

17

29
BURKETT

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08.30.09

Roadwork keyed to Map of Burkett (November 14th 2022)

Decision needed – Seek bids from both Grove and K&E (which spot/s)? Or have K&E complete work along this stretch of road? **[Recommendation** – Let's see if Grove is even available to provide quotes or do work; his assessment of how to approach certain situations could be helpful whether or not his bid is the better choice.]

1. **East side of Lakeview Road from crest sloping down to Burkett.** **Decisions needed** –
 - a) Cut brush back about 5 ft from road's edge?
 - b) Cut roadside ditch or swale?
 - c) Widen road down hillside leading to 90° curve?
[Recommendation – on the principle of taking advantage of mobilized equipment, it makes sense to proceed with roadside work on this section. Once road surface has been repaired so that full width of road can be used by traffic, we suggest widening the road further will not be necessary.]

2. **West side of Lakeview Road from crest sloping down to Burkett.** **Decision needed** –
 - a) Clear roadside brush back about 5 ft from road's edge?
 - b) Cut roadside ditch or swale?
[Recommendation – same as previous point: proceed with roadside work on this section.]

3. **Northwest (inside) corner of 90° curve at Lakeview and Burkett** –
 - a) Work has been completed: brush cleared extensively (Cost: \$1400 – priced per job)
 - b) Remove large tree at corner? (Cost: flat rate - \$300)
[Recommendation – Keep the tree. During poor visibility and after dark, the tree provides a marker where the sharp turn is and also helps indicate the steep roadside drop-off. Perhaps we should even add reflectors to the trunk and at a location or two along the road's edge?]

4. **North roadside of Burkett shortly past 90° curve** –
 - a) Roadside berm built up from snow plowing creates a 'dam' holding runoff along edge of road. K&E was directed to employ skid steer to flatten berm and create sluice to catch runoff coming down hill and direct it over hillside. (Cost: not invoiced yet.)

5. **Burkett hillside (along north side) between 90° curve and McArthur Drive** —
 - a) Along portion of hillside, cut brambles and branches back about 5 ft. from road's edge.
 - b) To allow widening road, Lee suggested removing large roadside cedar. There's room along opposite (south) side to widen road if needed, so removing the tree judged not necessary.
 - c) Similarly, even if road is widened, removing two additional evergreens seen as unnecessary.
 - d) After cutting back growth along that roadside, drainage swale needs to be reinforced or cut.

6. **Northeast corner of McArthur Drive and Burkett intersection—**
 - a) Relocate road sign by a few feet to make room to improve drainage and re-position sign to discourage vehicles from cutting too close to corner of road.
 - b) Cut roadside drainage swale along east edge of McArthur from corner at Burkett and point +/- 20 ft. from the corner.
 - c) Behind previous signpost location, scrape low embankment down to catch runoff and direct it to drainage swale at corner where water will continue along hillside down Burkett.

7. **Northwest corner of McArthur Drive and Burkett intersection —**
 - a) Lee recommends scraping down slightly raised corner of yard back as far as behind water valve casing (casing would need to be trimmed down). **Recommendation – redefine corner more narrowly, cutting crescent in front of casing to direct water toward culvert (to be installed) under driveway.**
 - b) At this address, the driveway directly onto Burkett appears to be an additional one installed by the residents, but has no culvert. **Recommendation – Install +/- 20 ft. culvert pipe under driveway.** (Cost: time + machinery + materials. 10 to 11 tons estimated amount of stone needed for culvert installation.) We'll need to talk with residents about proposal to transplant young trees positioned where each end of culvert would be located.
N.B. - elsewhere along Burkett all the way to Renie, culverts have been found at each location where needed, but many have to be unburied, restored or cleared of debris.
 - c) Lee suggested that McArthur Drive needs to be widened. **Recommendation – since it's not a thru road, it shouldn't be widened.**

8. **Northwest corner of Old Chestnut Road and Burkett intersection —**
 - a) Recent work at both ends of the culvert under Old Chestnut improved flow to and from the culvert. But follow-up roadwork is needed to prevent water running down center of Old Chestnut, bypassing the drainage ditch and cutting a channel across Burkett.
Recommendation – (subject to revision by those more knowledgeable) to improve pitch of road: starting about 50 ft. from corner with Burkett, scrape down west edge of Old Chestnut and use scraped material to crown road. Along same side and length—about 50 ft—cut swale to channel water alongside Old Chestnut down to the corner into the ditch at outlet end of culvert. After work is complete, seed the swale. (Cost: time + machinery + material)

N.B. At #29 Burkett, the strip of grass between the road and a property line fence is neatly maintained, presumably by that resident. Bryan intends to approach resident to alert him to the proposed roadside work plans. Perhaps the resident would agree to remove a fencepost with address number which would improve access for mowing (we suspect the dam created in the ditch below the culvert is to help his mower cross the ditch).

9. **Northeast corner of Lakeview (west) Drive and Burkett intersection —**
 - a) Restore flow to inlet side of culvert under Lakeview (west) Drive by clearing or re-ditching as necessary.
 - b) If culvert pipe is compacted, blow out silt/debris by working with fire company or renting a jet pump tank unit. (Rental cost = \$209/day; in response to an inquiry, Chief Cogle has indicated willingness to help blow out culverts. He still needs to be reached to discuss.)

10. **Northwest corner of Lakeview (west) Drive and Burkett intersection —**
 - c) Outlet end of culvert under Lakeview (west) Drive is buried; needs to be dug out.
 - a) At slope where Lakeview (west) meets Burkett, runoff needs to be caught and channeled into ditch at outlet end of culvert under Lakeview. **Recommendation – on northwest side of Lakeview (west) Drive, cut ditch or swale starting about 20 ft. up slope.**

11. **Within easement along north side of Burkett Road—**
 - a) Well-defined ditch line is present, but sod should be cut intermittently to restore good flow.

12. **Culvert under #222 Burkett private driveway —**
 - a) Both ends of culvert need to be cleared. Inner debris may need to be cleared.

13. **Concrete culvert under Daisy Ridge Lane —**
 - a) Swale approaching culvert under Daisy Ridge Lane needs to be cut deeper to restore flow
 - b) Outlet end of culvert is buried - needs to be dug out. Inner debris may need to be cleared.

14. **North side of Burkett Road within easement beside lot (19)—**
 - b) Well-defined swale is present, but spots should be cut intermittently to restore good flow

15. **Southeast corner of Renie Drive and Burkett intersection —**
 - a) This is a vacant Oak Meadow lot. It's a spot recommended for temporary storage of stone needed for culvert installation (at McArthur/Burkett intersection, see #7 above) and if needed to build up Old Chestnut roadbed (see #8 above).

16. **South roadside along Burkett Road —**
 - a) A well-defined drainage swale about 4 ft. from the road's edge has been discovered along the length of the south side of Burkett Road. Thick overgrown grass needs to be cut away, then when drainage configuration can be seen clearly, reinforce or re-ditch where necessary.
 - b) Decision needed – how much of that section of Burkett needs to be widened?

Recommendation – once road is leveled and repaired so traffic can use full width of road (already 18 ft. wide in many sections), probably few areas need to be widened. With no driveways for an extended length along the south side of Burkett (along #14 and #15 on map) the south side has room to widen road where needed. 18 ft. maximum width recommended, which allows traffic to pass smoothly but hopefully curtails overly excessive vehicle speed. Long term re-surfacing maintenance cost is also part of equation.

17. Stretch along south side of Burkett Road (continuation of previous point) —

- a) Work complete: Weed-eating and cutting selected saplings revealed an extended drainage ditch about 4 ft. from the road's edge running along the south side of Burkett. (Cost: \$1200 hourly labor rate for three workers and crew lead).
- b) Now that it's visible, reinforce or re-ditch the drainage swale where needed. (Cost: time + labor + equipment).
- c) **Recommendation** — to maintain drainage flow, contract mowing/weed eating at least 3x/year and blow out ditches and culverts once autumn leaves are down.

N.B. Discovery of this swale means a significant cost saving; otherwise, Lee had expected we'd have to cut a ditch the full length of Burkett along the south side.

- d) Explore whether Paul/? resident at Lot (11?) uses clearing regularly for vehicle access to Burkett or if ditch can be extended across there.

18. Culvert under driveway at 25 Burkett Road (lot 13?)

- a) A culvert needed under this driveway has been discussed a few times. After clearing away the grass overgrowth, the already existing culvert was discovered! Silt/debris may need to be blown out of pipe to restore water flow (see #9 re. renting a jet pump tank unit or working with fire company to clean culvert).

N.B. There are still areas along Lakeview Drive between Short Drive and Burkett where culverts may need to be cleared or installed. That has not been not addressed in this present document.

Assessing roadside clearing recommended at sites on Walnut Hill, Greenwood or Kelly prior to tar & chip surfacing has not been addressed in this document either.