

Streets and Utilities Committee

MEETING AGENDA

Berryville-Clarke County Government Center

101 Chalmers Court, Second Floor

A/B Meeting Room

Regular Meeting

September 24, 2019

10:30 a.m.

1. Call to Order
2. Approval of Agenda
3. Unfinished Business
 - Storm water preliminary engineering reports
4. New Business
 - Street lighting standard
5. Other
6. Closed Session
7. Adjourn

Call to Order

Approval of Agenda

Unfinished Business

Storm water preliminary engineering
reports

Streets and Utilities Committee Agenda Item Report Summary
September 24, 2019

Item Title

Storm water preliminary engineering reports

Prepared By

Keith Dalton, Town Manager

Background/History/General Information

Recently the region experienced a period of record rainfall. As a result of this record event many storm water challenges that have existed in the Town for a very long time became problematic to local residents.

The Town Council budgeted funds in FY19 to review issues in the northwest of Town.. The Town's engineer has completed a preliminary engineering for the northwest part of Town and the Streets and Utilities Committee is reviewing the matter.

The Town Council budgeted funds in FY20 to complete engineering review of issues on Town Run and in the Virginia Avenue area.

Town Run

This review was originally planned to examine Town Run east of the N&S Railroad tracks but the attached draft scope would include study from a point west of Clarke County School Board Office to the Clermont Farm east of the Town limits. This scope extension is proposed because of the work that was recommended to address water ponding concerns in the northwest portion of Town.

Virginia Avenue

This review was proposed to provide a plan for abatement of two issues. Water from the southwest travels across Virginia Avenue (at first dogleg) but is not able to make it to the Town Run. As a result, the water ponds in the street. Further, water crossing the street further east (at second dogleg) often flows into a garage.

Staff has recommended that work be done on the Virginia Avenue surface but is of the opinion that these storm water management challenges should be addressed before work on the street surface is completed.

Findings / Current Activity

Staff has prepared a two scopes of work for the Committee's review. Several items in the scopes have been left blank because staff would like input from the Committee and the Town's engineer before the items are completed and a draft forwarded to Town Council.

Financial Considerations

When the scopes of work are finalized by the Town Council, they will be submitted to the Town's engineer. The Town's engineer will develop work orders for the projects. The work orders will contain cost estimates.

Schedule/Deadlines

Staff recommends that this review move as quickly as possible so the Town Council will receive the preliminary engineering reports as soon as possible. Staff would like to have the reports in hand for FY21 budget preparation but it has no feel for the engineer's schedule at this point. Timing/schedule should be discussed with the engineer at the meeting.

Other Considerations

The Town Run study should be completed before any project upstream.

Attachments

- Draft Scope of Work for Town Run PER
- Draft Scope of Work for Virginia Avenue drainage area PER
-

Recommendation

Forward draft PER's to the full Council for consideration.

Sample Motion

I move that the Streets and Utilities Committee forward the attached scopes of work to the Town Council for review.

Scope of Work for the Town Run PER

Information provided:

Attached Map

- Map from Berryville Planning Area Stormwater Master Plan. Important details:
 - o Map provided in three sheets
 - o Scale: 1" = 200' / 2" contours
 - o Blue – Town Run study area

Issues:

In general, the Town Run (intermittent and perennial sections) functions relatively well in its role of conveying water through Berryville. Further, development within the watershed over the past three decades was completed in a manner that would mitigate the effects of increased stormwater runoff.

With that said, there are sections that area not well defined, have been partially filled or silted in, or have constrictions that may restrict the flow of water. Further, the Town Council is examining whether it should complete projects to mitigate stormwater ponding in portions of the Town Run drainage area.

Accordingly, it is important to know whether the Town Run can accommodate flows from the projects in question and whether work should be done to better define the Run's channel in order to improve conditions and reduce potential constrictions.

Scope:

- Visually inspect area. Report any obvious issues and enumerate any further study that may be recommended.
- Examine structures along the Town Run main channel and those highlighted on the attached map (two areas highlighted : 1) structures connecting area northwest of Smith Street to the street drainage system to the main channel at Lincoln Avenue and 2: structures connection Sub-system E to the street drainage system to the main channel across Main Street from Washington Square Apartments)
- Provide recommendations for improvements to the Town Run and structures and channels draining to the Town Run in order to provide for unobstructed flow of water in a ___ year event.
- Provide schematic plan of recommended projects
- Provide prioritization of recommended projects
- Provide cost estimates for projects shown in schematic plans (to include design, legal, easement acquisition, permitting , and construction)

Information available:

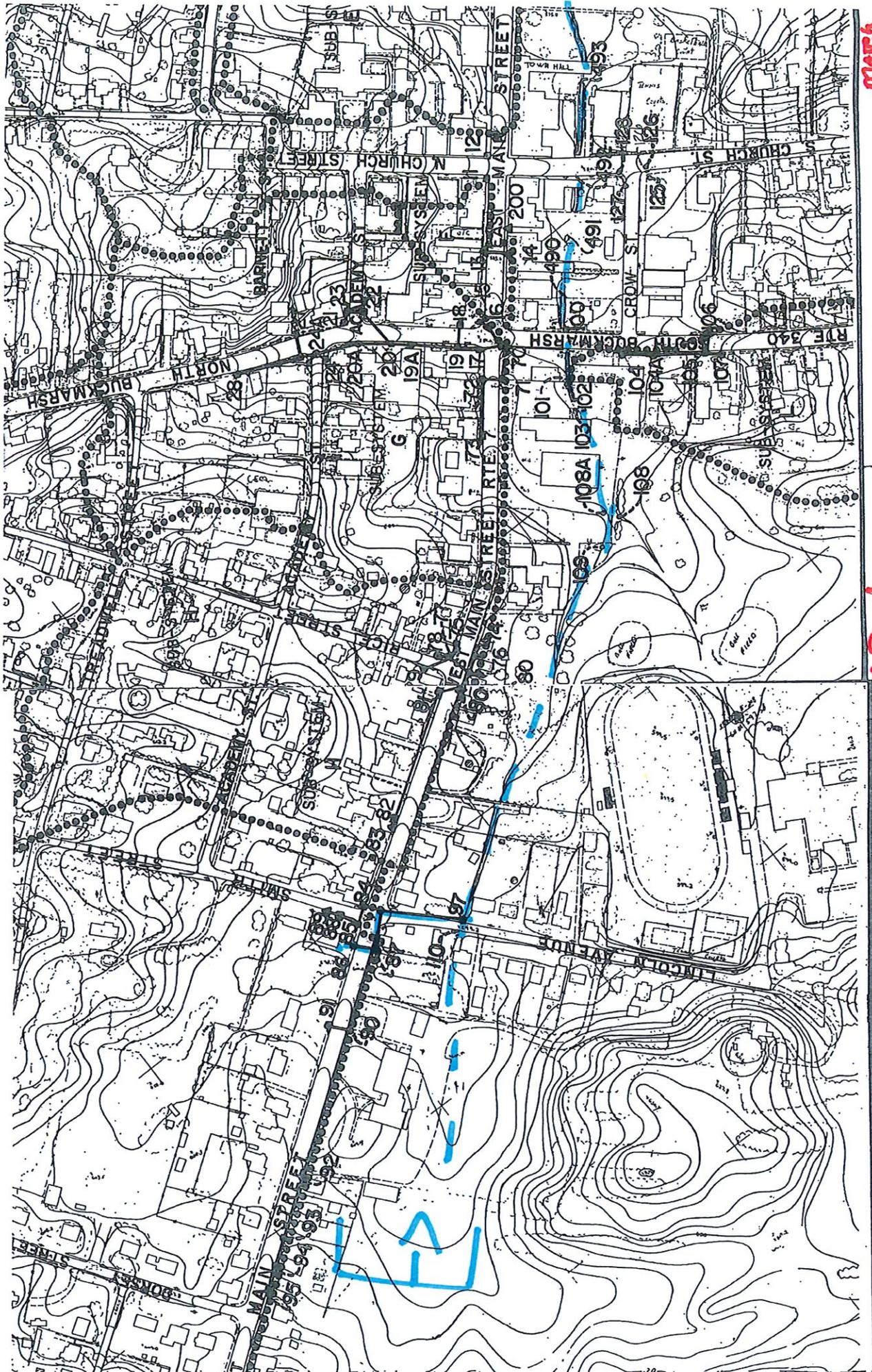
- Berryville Planning Area Stormwater Master Plan.
- Stormwater Management Options Final Technical Memorandum (dated June 202)– U.S. Army Corps of Engineers
- Development Plans within watershed

Outstanding Issues:

- Will need to address access issues along the run

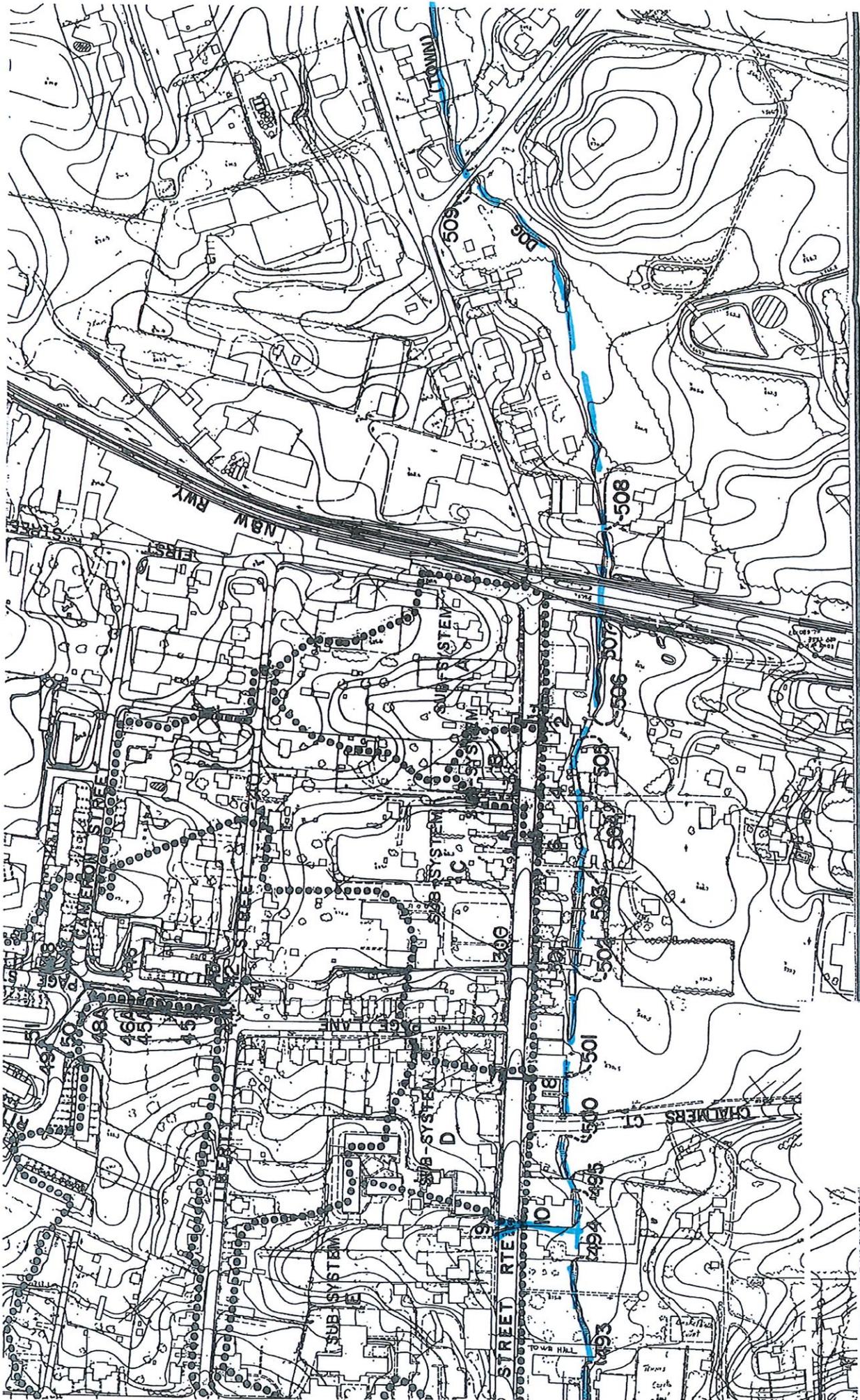
Deliverables:

Schedule:



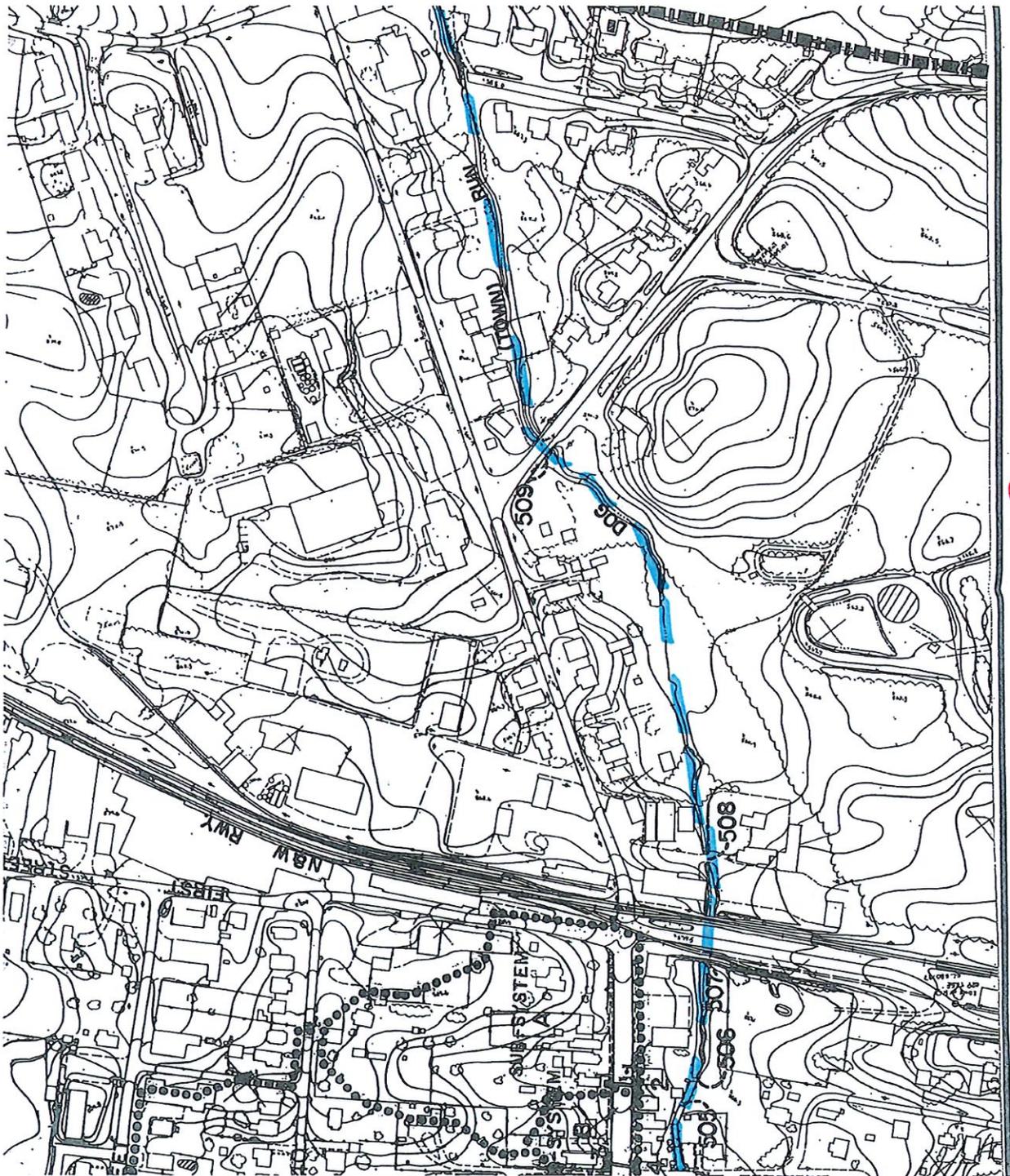
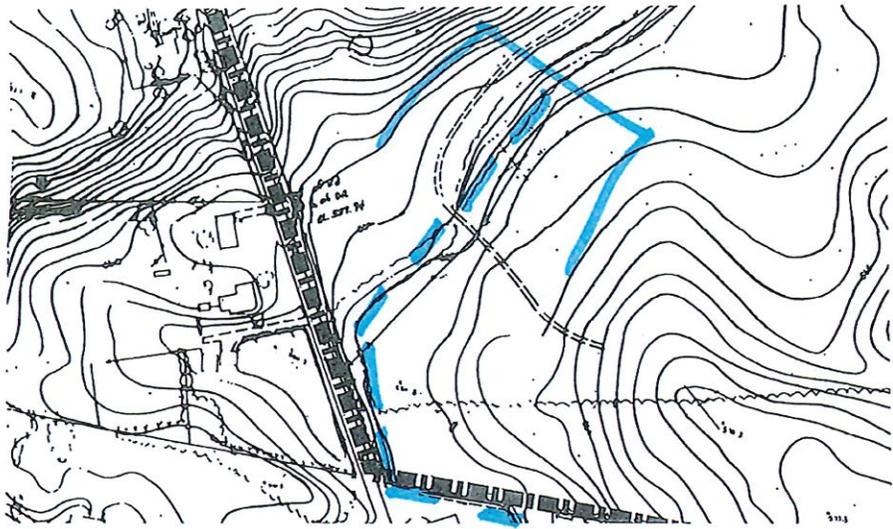
MAP 2 ->

MAP 1



MATCH
MAP 2 ->

MAP 2



MA 23

Scope of Work for the Virginia Avenue drainage area PER

Attached Photos

- Photos of Area # 1
- Photos of Area # 2

Attached Map

- Map from Berryville Planning Area Stormwater Master Plan. Important details:
 - o Scale: 1" = 200' / 2" contours
 - o Orange – Virginia Avenue
 - o Blue – Town Run
 - o Pink – Areas of Concern (Area # 1 and Area # 2)
 - o Green – Properties on which most of work would have to occur. It should be noted that work on the opposite side of the street may also be required.

Issues:

AREA # 1

Water ponds in the area identified as AREA # 1 on the attached photos and map. Water flowing from the southwest flows over VA Avenue and ponds in the street. The water can't get to the Town Run because the property to the northeast has either silted in or been built up.

AREA #2

Water from the south travels along and in Virginia Avenue and then flows into the property in the area identified as AREA #2. Water often flows into the small garage north of AREA 2.

Scope:

- Visually inspect the area. Report any obvious issues and enumerate any further study that may be recommended.
- Complete field work to determine if grade can be obtained to establish positive drainage from the areas of concern to the Town Run.
- If positive drainage can be established, then provide schematic plans for improvements to area that will convey water from areas of concern to the Town Run.
- Provide cost estimates for project shown in schematic design (to include design, legal, easement acquisition, permitting, and construction).

Information available:

- Berryville Planning Area Stormwater Master Plan.
- Stormwater Management Options Final Technical Memorandum (dated June 202)– U.S. Army Corps of Engineers

Outstanding Issues:

- Will need to secure permission from at least 2 property owners to shoot grades

Deliverables:

Schedule:



AREA # 2



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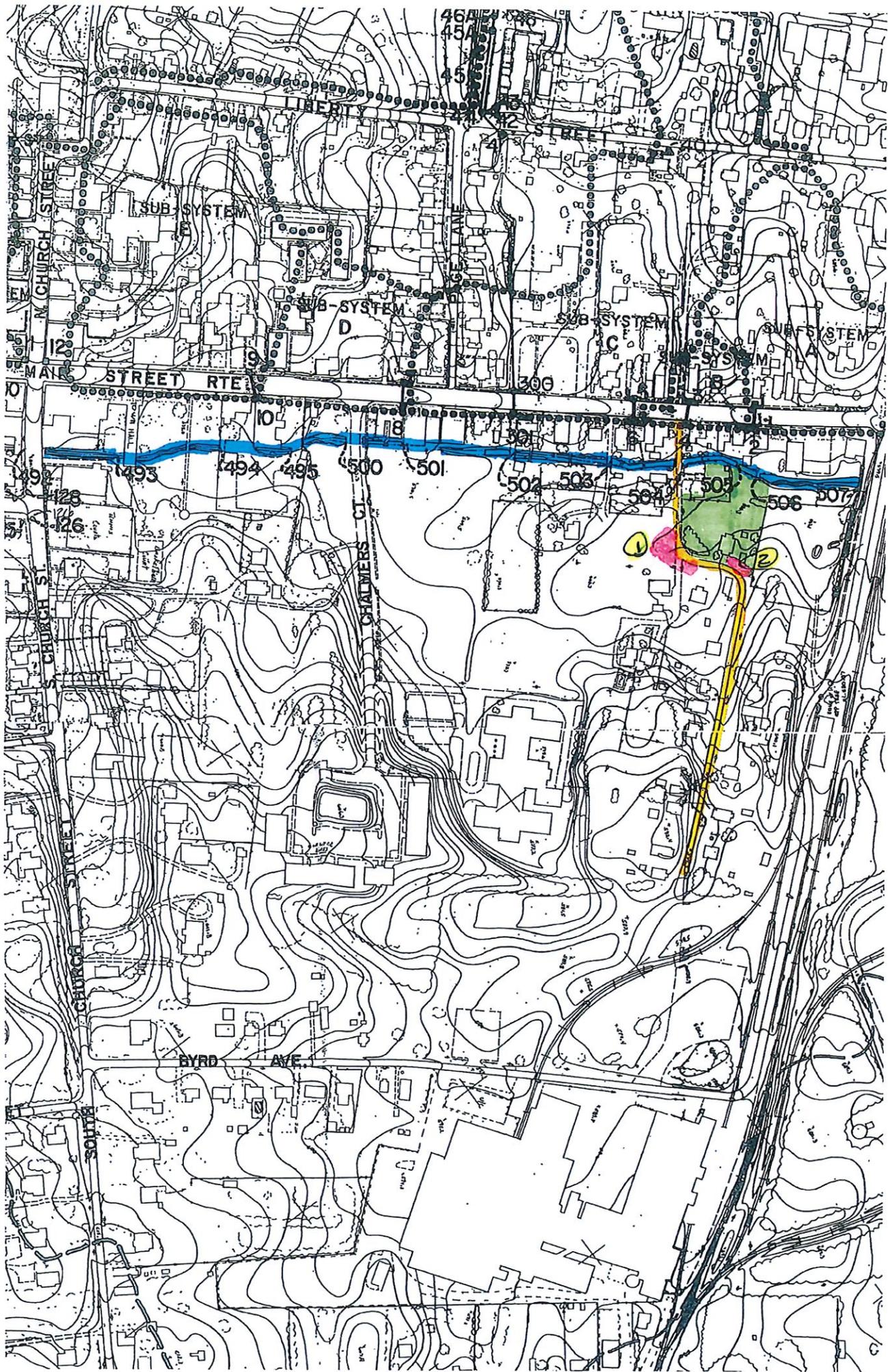


27/11/2019



Area # 2





New Business

Street lighting standard

Other

Closed Session

Adjourn