



**Agenda of the Belton City Council
Work Session & Special Meeting
October 2, 2018 – 6:30 p.m.
City Hall Annex
520 Main Street, Belton, Missouri**

- I. CALL WORK SESSION TO ORDER
- II. PLEDGE OF ALLEGIANCE – Councilman VanWinkle
- III. ROLL CALL
- IV. ITEMS FOR REVIEW AND DISCUSSION
 - A. Cottages of Belton – Erosion
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 - B. Other Business
- V. ADJOURN WORK SESSION
- VI. CALL SPECIAL MEETING TO ORDER
- VII. Motion to enter Executive Session to discuss matters pertaining to legal actions, according to Missouri Statute 610.021.1, and that the record be closed.
- VIII. ADJOURN

SECTION IV
A

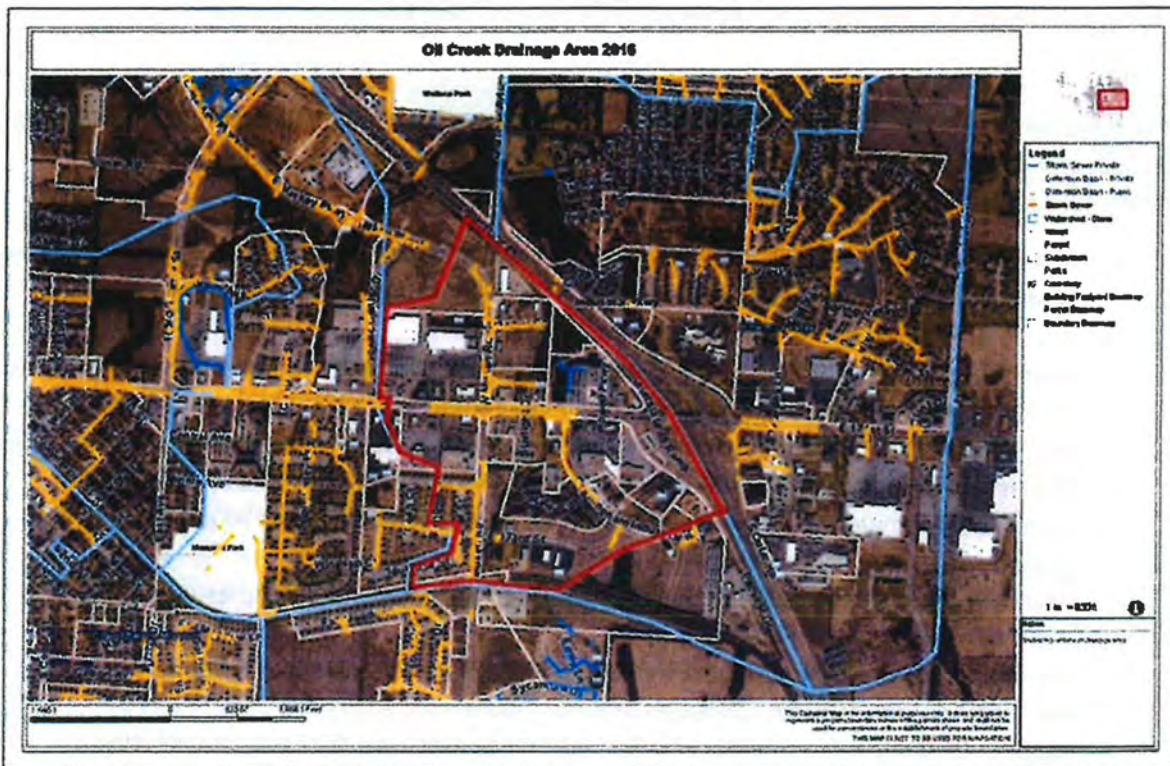
Cottages of Belton

Erosion of the Bank - Oil Creek

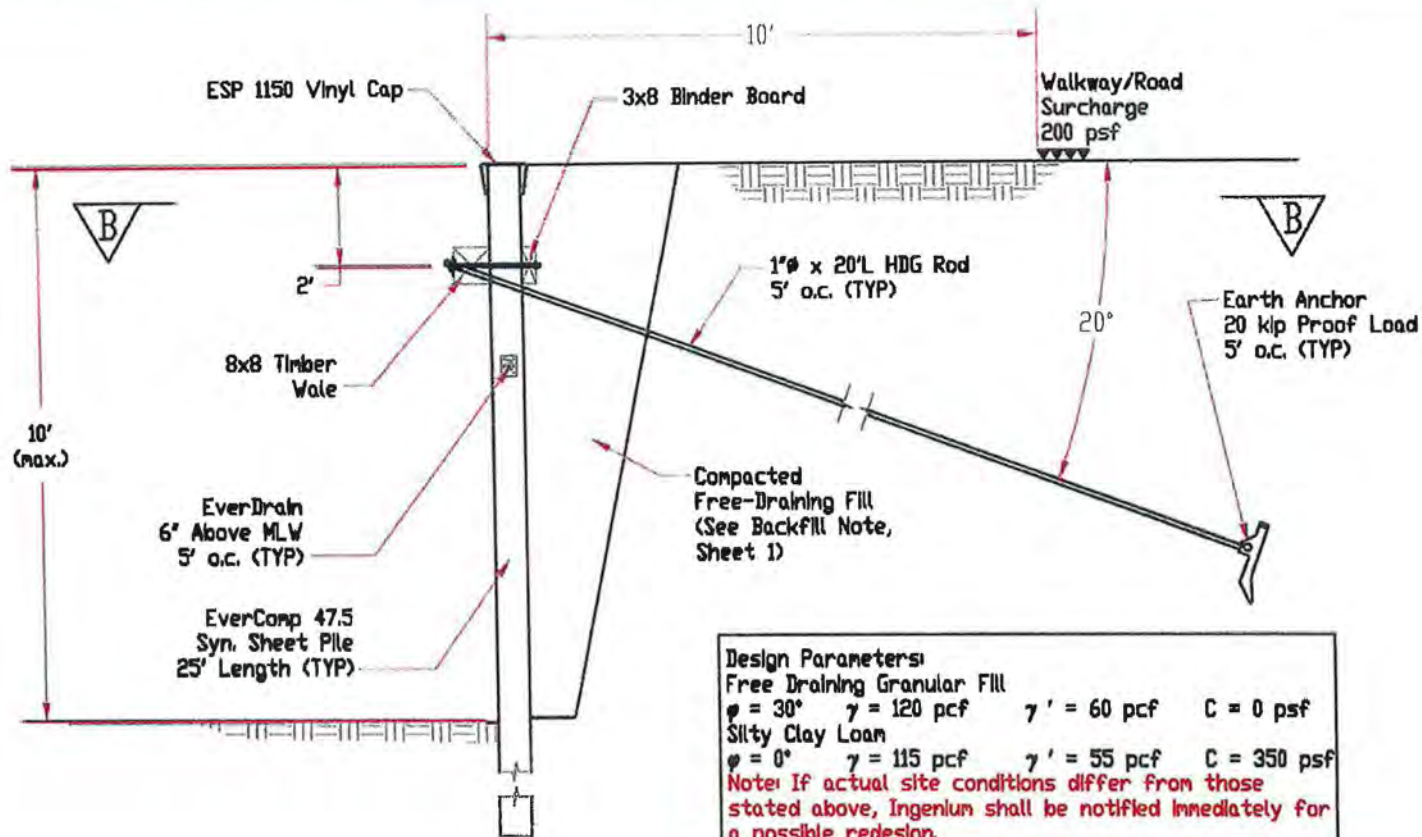
The City Staff brings this storm water management problem to the City Council for review, discussion and consensus as the project is now fairly well defined and funding will need to be finalized and committed to in the near term. The history of events are as follows:

- November 21, 2017 received demand letter from Attorney Stephen Kyle representing Cottages Senior Housing of Belton, LLC requesting city to stabilize the bank and slow down the water in the water shed going into Oil Creek.
- December 28, 2017 staff met with Cottages representatives, engineer, and attorney to discuss concerns relating to the amount of water coming through the MoDOT box culvert at the edge of their property and the effect it is having on the bank of the stream next to one of the buildings.
- Parties determined that the preferred solution was to work together to solve the problem instead of spending money on litigation and work toward a fair funding allocation from both Parties.
- January 4, 2018 City staff reached out to MoDOT to appraise them of the issues raised in the meeting with Cottages of Belton.
- February 12, 2018 City staff met with the representatives from Cottages of Belton along with their engineer and attorney. Cottages of Belton has employed DuBois Consultants as their engineer to create a Stormwater and Drainage study which we discuss at the meeting.
- March 14, 2018 City staff contacted MoDOT to provide update on the issue and address the study that had been provided.
- March 21, 2018 Stephen Kyle emailed Megan McGuire in regards to progress of the project and was assured that we are moving forward reviewing the issues presented and that all 3 entities would be involved.
- May 15, 2018 City staff, representatives from Cottages, and Cottages engineer and attorney discussed possible solutions to the erosion along the streambank near one of Cottages buildings.
- June 15, 2018 City staff, representatives from Cottages, and Cottages engineer and attorney reviewed a report from Cottages engineer with proposed options.
- August 13, 2018 City Engineering staff met with Army Corps of Engineers to visit the Cottages of Belton site and discuss the options we have been presented.
- September 14, 2018 City Engineering Staff met with Cottages of Belton's Engineer to discuss different aspects of the project to develop a more accurate scope of work, including a sheet pile wall solution to protect the stream bank and adjoining property.

The representatives from the Cottages will be present at the meeting for input and questions.



Pictured above: examples of sheet pile walls.



Design Parameters:
 Free Draining Granular Fill
 $\phi = 30^\circ$ $\gamma = 120$ pcf $\gamma' = 60$ pcf $C = 0$ psf
 Silty Clay Loam
 $\phi = 0^\circ$ $\gamma = 115$ pcf $\gamma' = 55$ pcf $C = 350$ psf
 Note: If actual site conditions differ from those stated above, Ingenium shall be notified immediately for a possible redesign.

NOTE:
 All designs are governed by general/soils notes (Sheets 1 & 2) unless expressly stated on this page.

Typical Section (View A-A)



Ingenium, Inc.TM
 4085 Devereux Chase
 Roswell, GA 30075
 678.315.1751

Scale: NTS

Date: 1/24/18

Project:
 Preliminary Wall Design
 Cottages of Belton
 Belton, MO

Revisions

Sheet 3 of 5

Preliminary
Not for Construction

Certified only with seal, signature, and date

