

WESTERN PACIFIC ENGINEERING & SURVEY

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FAX: (509) 765-1298

June 30, 2020

Brown & Jackson, Inc.  
Attn: Rikki Schmitt  
107 N Main Street  
Ellensburg, WA 98926

SUBJECT: SEPA Addendum for the Brown & Jackson Storage Ponds located in Kittitas County.  
WPES Project No. 20410

Dear Ms. Schmitt,

Western Pacific Engineering & Survey, Inc. (WPES) is pleased to provide you with this addendum to the SEPA Environmental Checklist prepared for the Brown & Jackson Storage Ponds that was submitted to Kittitas County Community Development Services in conjunction with Grading Permit No. GP-20-0010. A copy of the original SEPA Environmental Checklist was also submitted to the Washington State Department of Ecology as part of the application for coverage under the general permit for biosolids management, and the items addressed in this addendum are a result of the Department of Ecology's comments and request for additional information regarding the land application aspects of the project.

The following additions and supplemental information for previously submitted SEPA shall be submitted to both the Department of Ecology and Kittitas County Community Development Services:

A. Background

6. Proposed timing or schedule (including phasing, if applicable):

*Construction of the ponds is to begin immediately upon approval. Winter months may affect construction season. The land application of the septage is currently expected to occur in the late summer to early fall months.*

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

*Construction of both ponds will be taking place during the construction of this site. Additionally, the land application of the septage will occur in the in the areas labeled on the site plan. Future*

*expansion, and construction of additional ponds may occur at a later date, based on availability of land for septage application.*

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

*Brown & Jackson is also submitting an 'Application for Coverage Under the General Permit for Biosolids Management' through the Washington State Department of Ecology. The proposed ponds are to be used as septage storage until the wastewater can be land applied for irrigation. The septage will be land applied in the areas shown on the attached site map.*

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

*Brown & Jackson plans on constructing two storage ponds to hold the septage that they pump from a variety of commercial and residential sources around the greater Ellensburg and Kittitas area. These ponds will store the biosolids until they are land applied to the designated farmland contained within Kittitas County Tax Parcel No. 295134. The total area of the site is just under 198 acres, with approximately 25 Acres being disturbed for the construction of the ponds and approximately 106 acres available for land application. The land application will take place in late summer/early fall and the septage will be applied using trucks, and then disked in to the land before planting various crops such as winter wheat.*

## B. Environmental Elements

### 1. Earth

b. What is the steepest slope on the site (approximate percent slope)?

*Based on the USDA Custom Soil Report for Kittitas County, the site has maximum slopes of approximately 15 to 30 percent. As part of the plans for this site, contour farming will be taking place. The grade of the areas of proposed farming and land application are suitable for such activities.*

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

*Excavation and grading would be associated with the construction of two wastewater storage ponds and their corresponding gravel access road. The total amount of ground disturbance for the construction of the ponds is estimated to be less than 25 acres. Additionally, farming will be taking place on the areas shown in the attached site map. Currently, there are three main farming areas within the parcel that have a combined area of approximately 106 Acres suitable for land application of septage.*

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

*Small amounts of erosion could occur during construction; however, it is anticipated that all stormwater and erosion will remain on site. The location of the ponds is well outside of the protection*



*area for both Park Creek and the seasonal creek. Erosion will be mitigated and maintained at minimal levels through the use of the Stormwater Management Manual for Eastern Washington. During construction, a silt fence will be installed on the eastern side of the seasonal waterway. To prevent any erosion that may occur throughout the site, standard and regionally accepted farming practices will be used. These include, but are not limited to reduced tillage, contour farming, and cover crops.*

## 2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

*During construction various equipment and trucks will result in exhaust emissions and dust generated during site preparation. Post construction the only expected emissions would be from the trucks hauling the septate to the ponds and land application areas. Additionally, the stored septage, and land applied septage can give an odor.*

## 3. Water

### a. Surface Water

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

*Park Creek runs diagonally though the site, from the northeast to the southwest. The proposed ponds are located more than 300 feet east of the creek, near the northern portion of the site. Additionally, the North Branch Irrigation Canal borders the southeast corner of the site. The proposed areas of land application are located 100 feet from both the creek and the irrigation canal.*

### b. Ground Water

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

*Septage will be pumped from the ponds and disked into the soil at application rates approved by the Department of Ecology.*

### c. Water runoff (including stormwater):

2) Could waste materials enter ground or surface waters? If so, generally describe.

*The stored septage will be disked into the soil approximately once a year at application rates approved by the Department of Ecology. It is not expected that any waste materials will enter surface waters.*



## 4. Plants

b. What kind and amount of vegetation will be removed or altered?

*The site, as a whole, is currently pasture with a mix of native dry grasses.*

## 7. Environmental Health

a. Are there any environmental health hazards . . .

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

*Storage ponds are designed to hold septage that will then be land applied in the designated areas.*

Thank you for allowing us to serve your engineering and planning needs. If you have any questions or require further assistance in this matter, please feel free to call our office.

Sincerely,

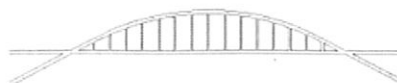


Brittney N. Oliver, P.E.

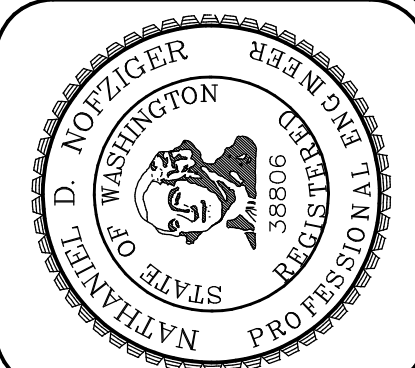
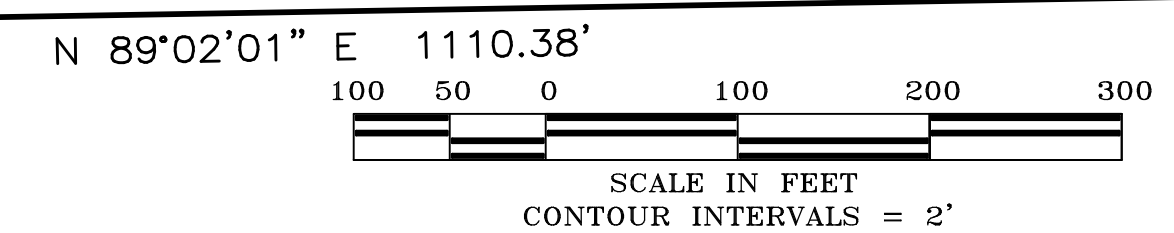
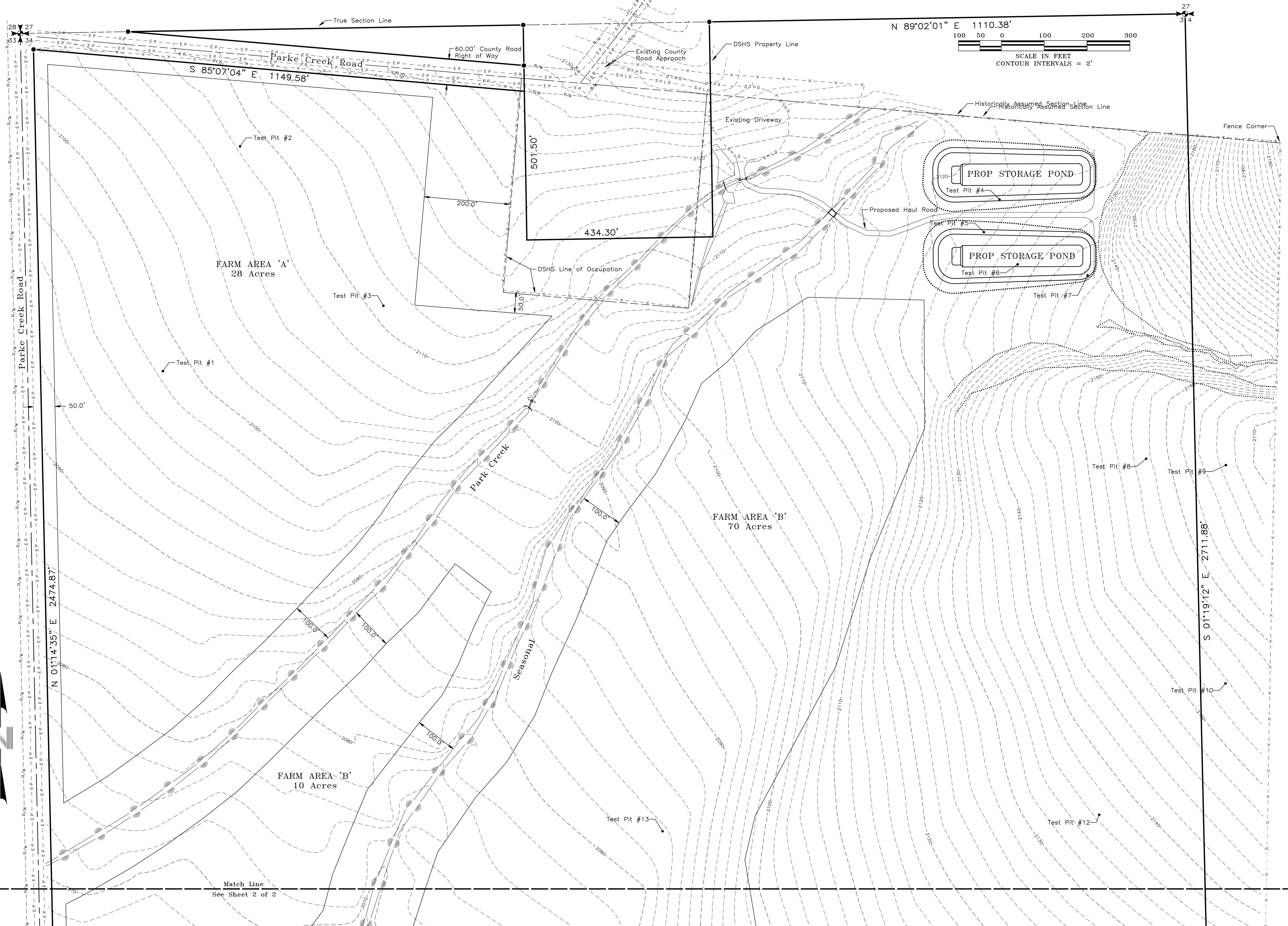
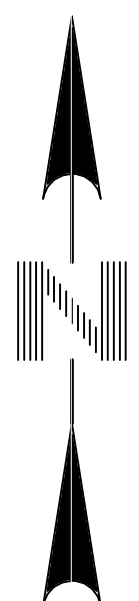
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Attached:

Site Map



File --- Project Desc.: X:\2014\0\Working\201404.sitemap.pro Date: Fri Apr 24, 2020



**WESTERN PACIFIC**  
**ENGINEERING & SURVEY**  
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 Services in Washington and Idaho

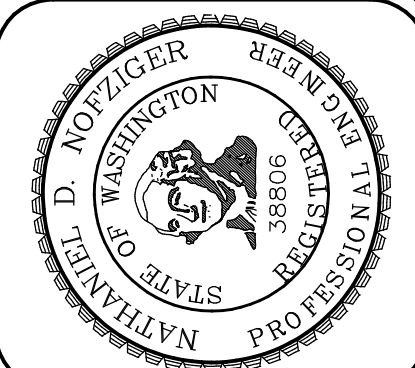
No.	Revision	Date	By

**BROWN & JACKSON**  
 Land Application Site  
 Preliminary  
 Site Map  
 Kittitas County  
 Washington

Designed by NDN  
 Drawn by Tml/NDN  
 Checked by NDN  
 Project No. 20102  
 Date: April 2020  
 Scale:  
 Hor. 1" = 3'  
 Vert. 1" = N/A  
 Sec 34, T 18 N, R 20 E

**SHEET NO.**  
**1 of 2**  
 201834

Match Line  
 See Sheet 2 of 2



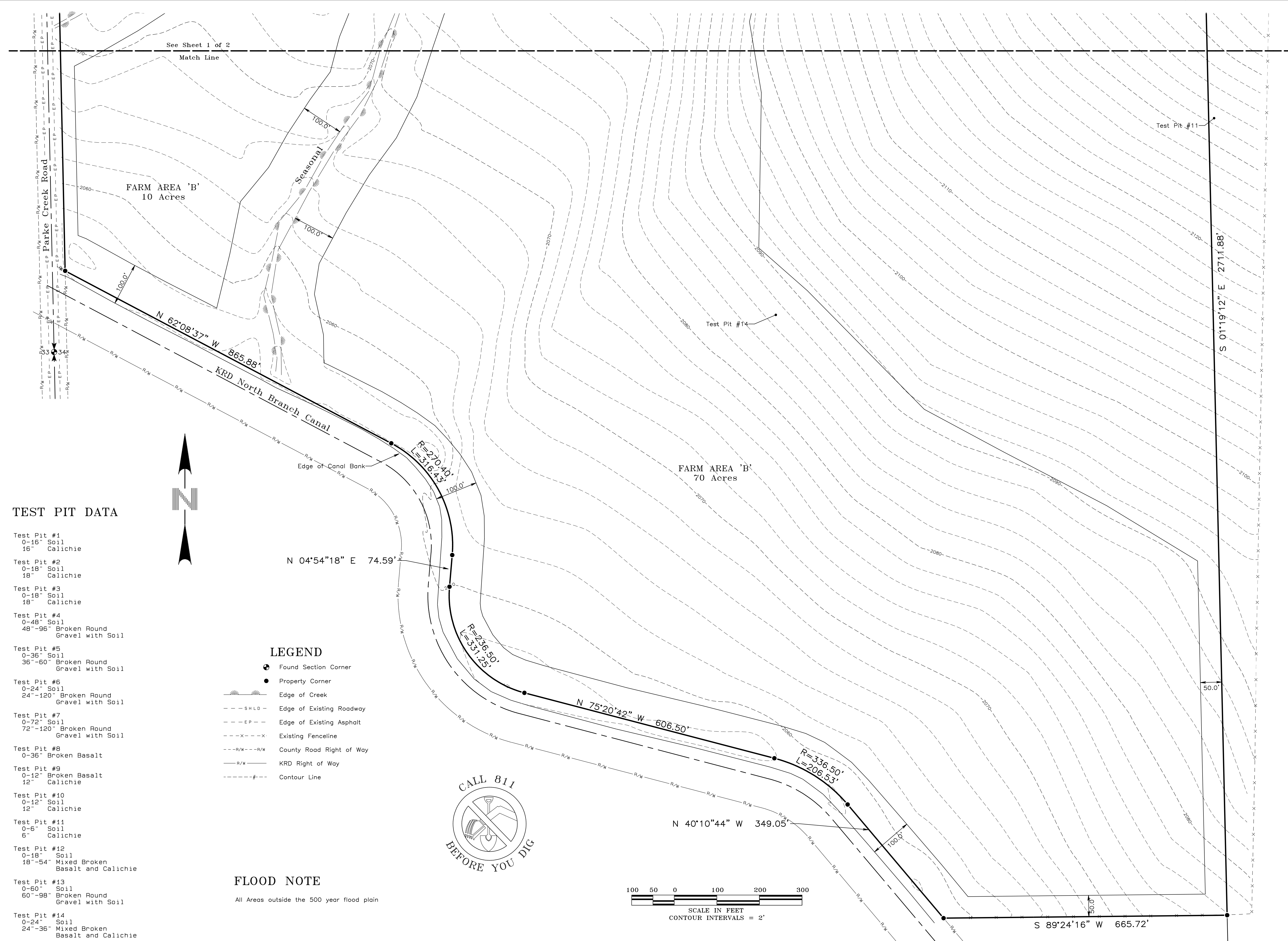
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**2 of 2**  
 201834



**TEST PIT DATA**

- Test Pit #1  
0-16" Soil  
16" Caliche
- Test Pit #2  
0-18" Soil  
18" Caliche
- Test Pit #3  
0-18" Soil  
18" Caliche
- Test Pit #4  
0-48" Soil  
48"-96" Broken Round  
Gravel with Soil
- Test Pit #5  
0-36" Soil  
36"-60" Broken Round  
Gravel with Soil
- Test Pit #6  
0-24" Soil  
24"-120" Broken Round  
Gravel with Soil
- Test Pit #7  
0-72" Soil  
72"-120" Broken Round  
Gravel with Soil
- Test Pit #8  
0-36" Broken Basalt
- Test Pit #9  
0-12" Broken Basalt  
12" Caliche
- Test Pit #10  
0-12" Soil  
12" Caliche
- Test Pit #11  
0-6" Soil  
6" Caliche
- Test Pit #12  
0-18" Soil  
18"-54" Mixed Broken  
Basalt and Caliche
- Test Pit #13  
0-60" Soil  
60"-98" Broken Round  
Gravel with Soil
- Test Pit #14  
0-24" Soil  
24"-36" Mixed Broken  
Basalt and Caliche

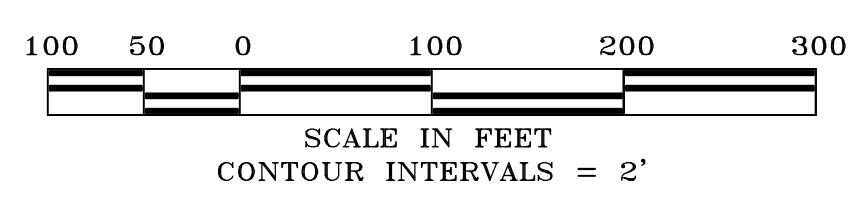


**LEGEND**

- Found Section Corner
- Property Corner
- SHLD — Edge of Creek
- EP --- Edge of Existing Roadway
- X --- Existing Fenceline
- R/W --- County Road Right of Way
- R/W --- KRD Right of Way
- #--- Contour Line

**FLOOD NOTE**

All Areas outside the 500 year flood plain



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