

Agenda Item: 9.

MEMORANDUM

TO: Programs, Projects and Operations Subcommittee  
FROM: Martin P. Cleveland, Construction Engineer  
SUBJECT: West Branch Channel Drainage Structure Cleaning Project  
DATE: November 1, 2016

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The West Branch Channel Drainage Structure Cleaning Project is located in Papillion, Nebraska, between 54<sup>th</sup> Street and 84<sup>th</sup> Street, as shown on the enclosed location maps. Also, enclosed are structure photos. The cleaning project consists of removing silt and other deposits in three drainage structures (WB -L15, WB-R18 and WB-R16), ranging in size from a triple 60 inch diameter culvert to a triple 7 ft. by 7 ft. box culvert. There are 5 pipe openings with blockage of 20% to 40%, as noted on the attached photos. The pipe cleaning is being done to allow for District pipe interior inspection as mandated by US Army Corps of Engineers (USACE) to be done every 5 years. These drainage structures are approximately 20 years old and have not been cleaned in the past. The cleaning will also restore the design capacity of the structures to minimize landside drainage issues.

On October 25, 2016, the District received bids for the West Branch Channel Drainage Structure Cleaning Project and the two bids ranged from \$53,000.00 to \$ 63,750.00, as shown on the enclosed bid summary. The apparent low bid of \$ 53,000.00 was submitted by Hurk Underground Technologies, Inc. of Grinnell, Iowa.

**Management recommends that the Programs, Projects and Operations Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contract with Hurk Underground Technologies, Inc. in an amount not to exceed \$53,000.00 for the West Branch Channel Drainage Structure Cleaning Project, subject to changes deemed necessary by the General Manager and approval as to form by District Legal Counsel.**

**PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT**

**West Branch Channel Drainage Structures Cleaning Project  
Bid Summary**

**Opening Date/Time: 10:00 a.m. on October 25, 2016**

<b>Bidder</b>	<b>Lump Sum Bid</b>	<b>Start Date</b>	<b>End Date</b>
1. Hurk Underground Technologies, Inc.	\$53,000.00	Jan. 9, 2017	Feb. 10, 2017
2. Valley Corporation	\$63,750.00	Dec. 1, 2016	March 3, 2017
3.			
4.			

Management Recommendation: Hurk Underground Technologies, Inc.

Cornhusker Rd.

WEST BRANCH DRAINAGE STRUCTURE  
CLEANING LOCATION MAP

72nd ST.

First ST.

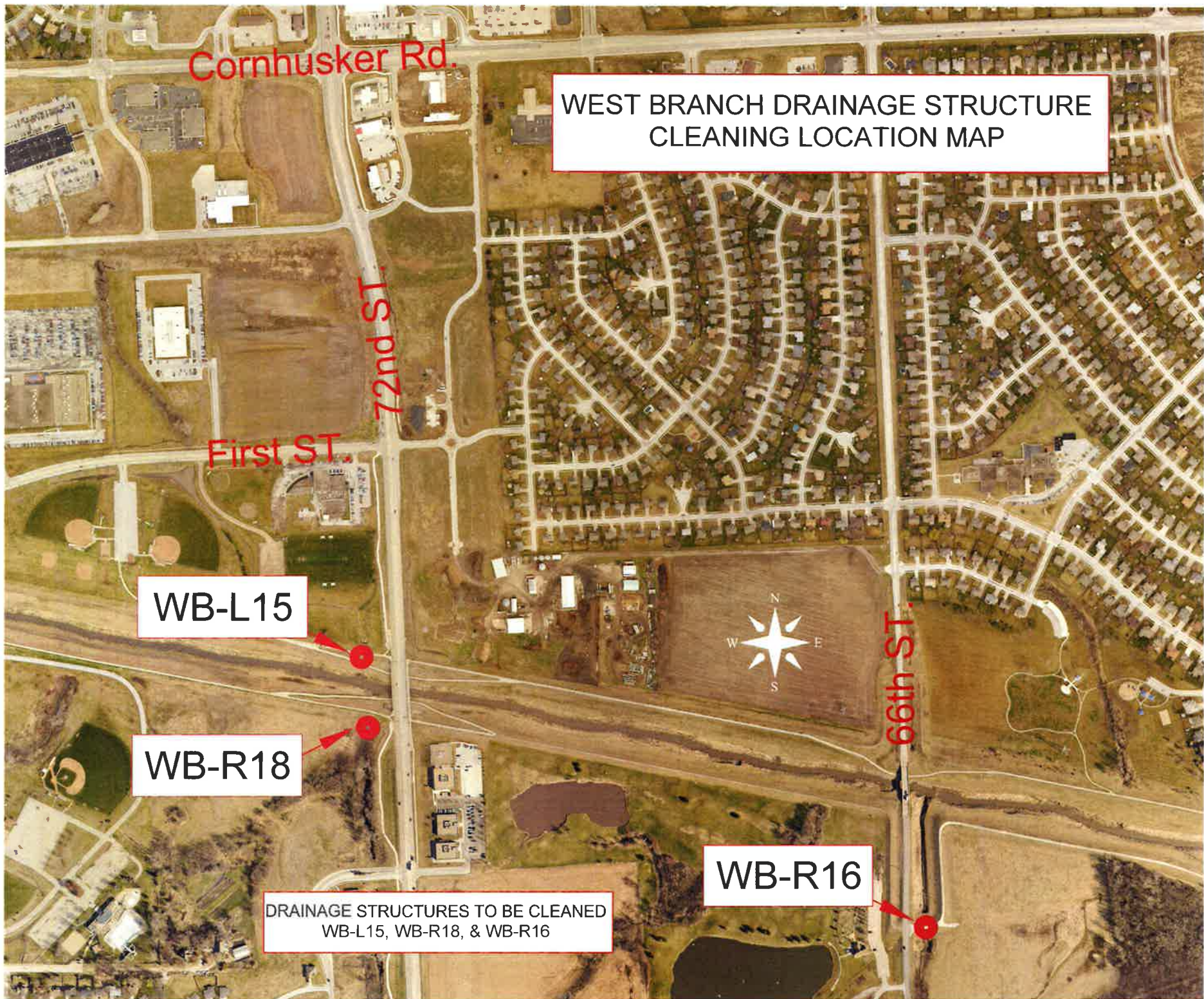
WB-L15

WB-R18

WB-R16

DRAINAGE STRUCTURES TO BE CLEANED  
WB-L15, WB-R18, & WB-R16

66th ST.





09/19/2016

WEST BRANCH  
Mike McManey  
WB-L15  
60" RCP

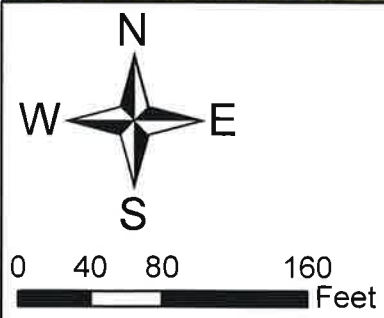
14:21

10.19.2012

-12.3%  
97'06"



Microsoft, Esri, HERE, iPC, Esri, HERE, DeLorme, iPC



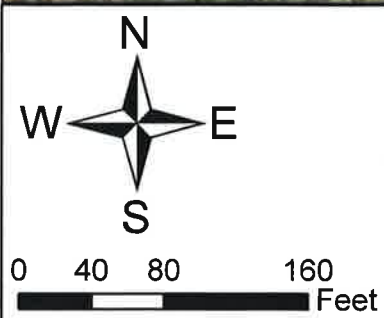
### West Branch Pipe Blockage

**WB-L15**  
**Size:** 60" RCP-CMP  
**Blockage:** 40%  
**Length of Blockage:** Last 35'

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DISTRICT**



8901 S. 154th Street  
Omaha, NE 68138-3621  
402-444-6222  
[www.papionrd.org](http://www.papionrd.org)



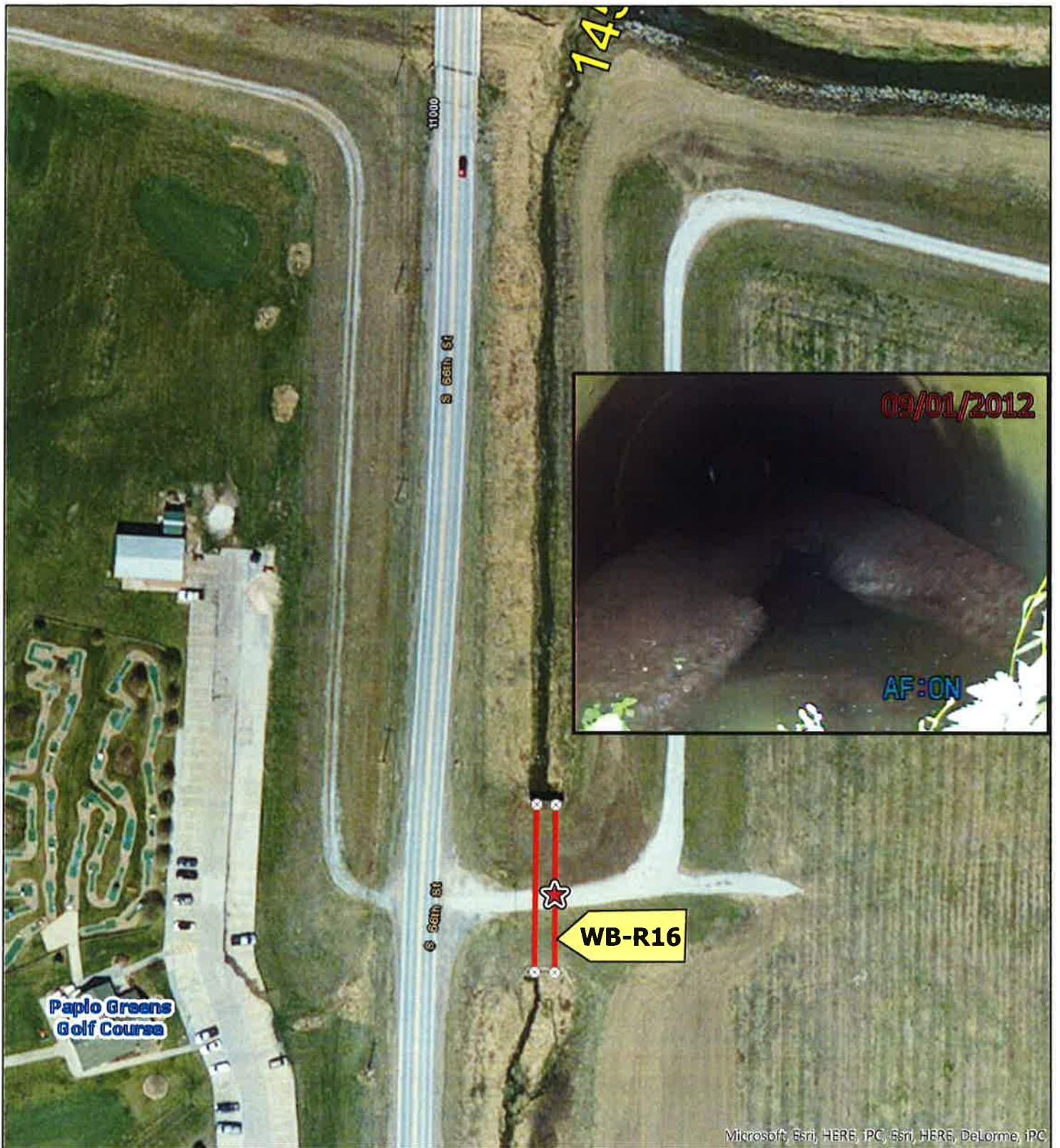
## West Branch Pipe Blockage

WB-R18A / WB-R18B / WB-R18C

Size: 7'x7' Box Culvert  
 Blockage: 20% / 35% / 25%  
 Length of Blockage: ≈170'

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Microsoft, Esri, HERE, ITC, Esri, HERE, DeLorme, ITC



0 40 80 160 Feet

## West Branch Pipe Blockage

WB-R16

Size: 90" RCP  
 Blockage: 30%  
 Length of Blockage: 120'

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