

**AGENDA
REGULAR DRAINAGE MEETING
NOVEMBER 29, 2017**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes
4. Approve Claims For Payment

Documents:

[12-01-2017 DRAINAGE CLAIMS LIST.PDF](#)

5. DD 72 - Discuss, With Possible Action, Updates Regarding Project
6. DD 41 - Discuss, With Possible Action, Updates Regarding Current Project
7. DD 77 - Discuss, With Possible Action, Updates Regarding Current Project
8. DD 78 - Discuss, With Possible Action, Repair Summary

Documents:

[DD 78 WO 78 REPAIR SUMMARY .PDF](#)

9. Other Business
10. Adjourn Meeting

Date - 11/27/17
Time - 15:14:49

Drainage Accounting
Publication List by Fund/Vendor

Program - DA2101

DD 1			
Clapsaddle-Garber Assoc	DD 1		9734.90
DD 72			
Clapsaddle-Garber Assoc	DD 72		15256.60
M D Construction, Inc	DD 72		102037.41
DD 86			
Clapsaddle-Garber Assoc	DD 86		1084.80
DD 131			
McDowell & Sons Contractors	DD 131		1530.00
DD 136			
McDowell & Sons Contractors	DD 136		4027.50
DD Jt H-F 1 Total (Hardin)			
McDowell & Sons Contractors	DD Jt H-F 1 Total (Hardin)		1890.00
DD Jt H-F 3-47(Frnkln/Trustee)			
Franklin Co Auditor	DD Jt H-F 3-47(Frnkln/Tru		11988.96
DD Jt H-F 4-53 (Franklin)			
Franklin Co Auditor	DD Jt H-F 4-53 (Franklin)		3854.19
DD Jt H-H 2-104 (Hamilton)			
Hamilton Co Auditor	DD Jt H-H 2-104 (Hamilton)		1997.96
DD Jt H-H 105-216 (Hamilton)			
Hamilton Co Auditor	DD Jt H-H 105-216 (Hamilt		1038.84
DD 55 Div 3 Lat 9			
Hands On Excavating LLC.	DD 55 Div 3 Lat 9		22300.49
DD 55 Div 3 Lat 9A			
Clapsaddle-Garber Assoc	DD 55 Div 3 Lat 9A		1122.50
DD 55 Div 3 Lat 9C			
Clapsaddle-Garber Assoc	DD 55 Div 3 Lat 9C		9947.00
Hands On Excavating LLC.	DD 55 Div 3 Lat 9C		44096.73
DD 169 (1944 Mutual DD)			
Hardin County Auditor	DD 169 (1944 Mutual DD)		700.00
Grand Total			232607.88

End of Report



Drainage Work Order Request For Repair

Hardin County

Date 5/11/2015

Work Order # 78

District # 78

Lateral Main

Township Jackson

Section 35 Twp 88

Rge 20

Qtr Sec SW1/4

Repair Requested By Stan Granzow/Ryken Eng

Address While working on WO45

Phone (641) 858-3559

Landowner Godfrey & Woolsey Iowa Farms?

Address _____

Phone _____

Request Taken By Tina Schlemme

Available for Repair Now? Yes No

Date Available _____

Problem Description Sinkhole/blowout along the tress/roots about 1/2 mile upstream from outlet.

Repair labor, materials and equipment _____

Potential Wetlands? Yes-Repair existing tile only

No-Repair and maintain tile

Repaired By: _____

Date: _____

Please send statement for services to:

Phone (641) 939-8111
Fax (641) 939-8245

Hardin County Auditor's Office
Attn: Tina Schlemme
1215 Edgington Ave, Suite 1
Eldora, IA 50627

For Office Use Only

Approved: _____

Date: _____

Drainage District:

#78

Repair Summary:

- Per recommended actions of previous report, District Trustees requested replacement of the single wall HDPE main tile and removal of trees in Section 35, Township 88 North, Range 20 West.
- Prior to CGA being on-site, contractor removed trees and stumps identified as impacting the Main tile.
- Exposed Main tile in multiple locations and televised from upstream limit of repair (GPS #525). Findings from said televising are tabulated in attached sheet and summarized in daily report (9/06/2017).
- Excavated to structurally sound 15" VCP tile on downstream end of repair, removed existing single wall HDPE tile, and graded excavation with 4"+ thick bedding rock. Affixed 15" non-perforated dual wall HDPE to existing VCP tile with concrete collar. Continued installing 15" non-perforated dual-wall HDPE along flowline in upstream direction and installed elbow for directional change with 15" HDPE bands over joints. Continued replacement until reaching location of televising insertion point (edge of cropped field to the north) and connected to existing single wall HDPE.
- Backfilled as work progressed with 1" bedding rock and tamped said rock around circumference of tile.
- After bedding rock, backfilled with on-site soil and bucket compacting soil in trench.
- Removed excavated 15" single wall HDPE tile from site.

Contractor Time and Materials (spent while CGA was on-site):

See attached Tabulated Contractor Time and Materials Sheet.

Additional Actions Recommended:

All main tile in limits mentioned in recommended actions of previous report were replaced. However, there is an additional 150'± of single wall HDPE upstream that is deformed and splitting which also needs replaced. It is recommended that the District Trustees authorize replacement of the same once crops are out.



Tabulated Contractor Time and Materials

Date	Totals	9/6/2017	9/7/2017	9/8/2017	9/11/2017	9/12/2017	9/13/2017
Workman (hrs)	95.7	16.3	13.3	15.0	15.3	20.0	15.8
Mini Excavator (hrs)	31.0			7.5	7.7	7.7	8.2
Backhoe (hrs)	45.3	7.3	7.0	7.5	7.7	7.7	8.2
CCTV Truck (hrs)	2.3	2.3					
CCTV Inspection (ft)	218.0	218.0					
Concrete Truck (hrs)	0.0						
Engineering Fabric & Wire Mesh (# Collars)	1.0		1.0				
Pickup & Dump Trailer (hrs)	7.7						7.7
Dump Truck (hrs)	32.8	6.7	6.3	7.5	7.7	4.8	
Engineering Fabric (ft)	10.0		5.0				5.0
Wire Mesh (ft)	0.0						
Bedding Rock (tons)	85.3	18.7	14.8		15.4	31.5	4.9
Quick Drying Concrete (lbs)	600.0		600.0				
Construction Adhesive (tubes)	0.0						
15" Non-Perforated Dual Wall HDPE (ft)	208.4		22.7	19.6	59.0	78.5	28.6
15" HDPE Elbow (#)	1.0		1.0				
15" HDPE Bands (#)	3.0		2.0				1.0
Crop Damage (acres)	0.21						0.21

Tabulated Defects

	Total	GPS #524 Upstream	GPS #525 Downstream
Total Length Televised (ft)	218	146	72
Date:		9/6/2017	9/6/2017
Top crack (ft)	2	2	0
Debris (ft)	35	6	29
Offset Joint (#)	1	1	0
Soil/voids visible in offset joint (#)	1	1	0
Roots (ft)	29	0	29