AGENDA

Addison-Dryden Intercounty Drain Drainage Board

Lapeer and Oakland Counties

1:00 p.m., Thursday, July 21, 2022 Brandon Township Library 304 South Street Ortonville, MI 48462

1. Call meeting to order

<u>Board Members</u>: Mike Gregg, Chair, Michigan Department of Agriculture & Rural Development Joseph Suma, Lapeer County Drain Commissioner James Nash, Oakland County Water Resources Commissioner

- 2. Approval of the meeting agenda for July 21, 2022
- 3. Approval of the Drainage District Board Meeting Minutes from November 30, 2016
- 4. Public Comment
- 5. Present Memorandum from Geoff S. Wilson, P.E., Assistant Chief Engineer and Ed Thick, Drain Maintenance Supervisor, dated July 21, 2022, requesting the Board to authorize the Oakland County Water Resources Commissioner to conduct a drain inspection and preform necessary maintenance, as limited by the Michigan Drain Code, for 2023 and approve an assessment of \$10,000 for 2023.
- 6. Other Business
- 7. Adjourn

Board Meeting Minutes from November 30, 2016

Minutes of the Meeting of the Intercounty Drain Drainage Board for the Addison-Dryden Drain

November 30, 2016

A meeting of the Intercounty Drainage Board for the Addison-Dryden Drain was held at the office of the Lapeer County Court Complex, County Court House, 225 Clay Street, Lapeer, Michigan on November 30, 2016. The meeting was called to order by the Chairman at 2:21 p.m.

Board Members Present:	Michael Gregg, Chairperson Michigan Department of Agriculture and Rural Development
	Joseph Suma, Member Lapeer County Drain Commissioner
	Steven Korth, Member Office of the Oakland County Water Resources Commissioner
Also Present:	Joel Kohn, Oakland County Michael McMahon, Oakland County Jacklyn Thomas, Oakland County

Motion by Mr. Suma, supported by Mr. Korth, to have Oakland County serve as Secretary.

Adopted: Yeas – 2 Nays – 0

Motion by Mr. Suma, supported by Mr. Korth, to approve the November 30, 2016 agenda.

Adopted: Yeas -2Nays -0

Motion by Mr. Suma, supported by Mr. Korth, to approve the minutes from the March 23, 2016 meeting.

Adopted: Yeas -2Nays -0

Mr. McMahon presented the trial balance as of November 23, 2016 showing a deficit fund balance of \$4,640.08.

Motion by Mr. Korth, supported by Mr. Suma, to receive and file the November 23, 2016 trial balance as presented.

 Joel Kohn, Engineering Systems Coordinator, presented a Memorandum dated November 30, 2016 with results from the November 7, 2016 visual drain inspection performed by the Oakland County maintenance staff. According to the report, there were multiple locations where fallen trees and debris were blocking the flow of the drain along with a beaver dam.

It was recommended that the Board authorize the Oakland County drain maintenance staff to perform maintenance on the drain to remove trees, debris and beaver dams with expenditures not exceeding the annual assessment amount set by the Michigan Drain Code, which is \$5,000 per mile of drain for maintenance. Per the final order of determination dated March 26, 1904, the length of the drain is 83.5 chains or 5,511 feet. It was also recommended that the Intercounty drainage board approve the original apportionment between counties dated May 10, 1904. The determined percentage for Oakland County is 76% and Lapeer County is 24%. Mr. Kohn added the total maintenance costs are estimated at \$7,000.

Motion by Mr. Korth, supported by Mr. Suma, to authorize Oakland County drain maintenance staff to perform the recommended maintenance as presented and to approve the apportionment dated May 10, 1904 showing Oakland County is 76% and Lapeer County is 24%.

Adopted: Yeas -2Nays -0

Chairperson Gregg recommended that one county provide the 7-day notice for the tree removal. Mr. Korth said Oakland County could provide the notice for both counties.

Chairperson Gregg recommended a resolution regarding the authorized public agency status for soil erosion be adopted.

Motion by Mr. Korth, supported by Mr. Suma, to adopt the resolution regarding the authorized public agency status for soil erosion.

Adopted: Yeas -2Nays -0

Mr. Suma requested Mr. Kohn to provide maps of the drain in the Addison and Oxford areas that affect Lapeer County.

Motion by Mr. Suma, supported by Mr. Korth, to adjourn at 3:15 p.m.

Adopted: Yeas -2Nays -0

Steven Korth, Member Addison-Dryden Intercounty Drain Board

STATE OF MICHIGAN))SS. COUNTY OF OAKLAND)

I, the undersigned, do hereby certify that the foregoing is a true and complete copy of the minutes of the Addison-Dryden Intercounty Drain, Oakland County, Michigan, held on the 30th day of November, 2016, and that the minutes are on file in the office of the Oakland County Water Resources Commissioner and are available to the public.

I further certify that the notice of the meeting was posted at least 18 hours in advance of the meeting at the office of the Oakland County Water Resources Commissioner.

the North

Steven Korth, Member Addison-Dryden Intercounty Drain Board

Dated: December 9, 2016

YTD Trial Balance Fund: 25359 Addison Dryden Ch 5 Drain As of Fiscal Period: Month 2, 2017

	ان این میں منظور ہیں۔ ان این میں این میں معامل ہیں۔	Fiscal Year	Current FY	
	ACCOUNT	BEG BAL	Net Activity	ENDING BAL
100100	Cash - Operating	(2,885.15)	(754.72)	(3,639.87)
104100	Accrued Interest on Investment	(0.55)	0.34	(0.21)
228100	Deposits	(1,000.00)	0.00	(1,000.00)
	Revenues	0.00	4.98	4.98
	Expenditures	0.00	749.40	749.40
	Special Items- Uses	0.00	0.00	0.00
381350	FB Restricted Programs	3,885.70	0.00	3,885.70
00,000		0.00	0.00	0.00

11/23/16

Fund Balance

\$

4,640.08 Deficit

Excess Rev/(Exp) Balance per Drain Annual Report	1998 \$ (1,524.28)	1999 \$582.66	2000 \$ 2,174.42	2001 \$ 461.19	2002 \$ 26.31	2003 \$ (9,870,58)	2004 \$ (186.01)	2005 \$ (23,685.42)	2006 \$ (4,677.70)	2007 \$ (2,561.41)	2008 \$ (2,000.35) \$	2009 (811.22) \$	2010 (687.78) \$	2011 (437.05) \$	2012 (715.18) \$	2013 (281.52) \$	2014 (781.16) \$	2015 T h (321.03) \$	aru 06/30/16 (253.40)
REVENUES									:										
Other Revenue (Transfers In)	8,905.54	4,963.50	6,202.00	-	-	1,360.52	-	-	-	-	-	-	-	-	-	-	-	-	-
Income from Investments		401.52	840.42	461.19	26.31	33.83	14.94	(28.89)	(1,095.90)	(1,530,10)	(1,531.15)	(811.22)	(455.54)	(366.31)	(241.82)	(281.52)	(537.13)	(321.03)	(253.40)
TOTAL REVENUES	8,905.54	5,365.02	7,042.42	461.19	26.31	1,394.35	14.94	(28.89)	(1,095.90)	(1,530.10)	(1,531.15)	(811.22)	(455.54)	(366.31)	(241.82)	(281.52)	(537.13)	(321.03)	(253.40)
EXPENDITURES	4 405 40	44.40				70.47	422.04	F 040 20	0 405 07	500.00	204 02		400 50	10.07					
Salaries - Regular	1,135.18	41.16	-	-	-	70.47	132.04	5,610.36	2,185.07	592.63	281.82	-	130.59	49.07	-	-	-	-	-
Fringe Benefits	820.06	15.75	-	-	-	24.35	57.90	2,495.60	1,080.42	302.08	187.38		68.95	16.37	••	-	-	-	-
Contractual Services	8,392.75	4,725.45	4,868.00	-	-	11,167.50	-	15,117.16	139.01	-		-	-	-	-	-	-	-	~
Commodities	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
Internal Services (Drain Equip)	81.83	-	-	-	-	2.61	11.01	433.41	177.30	136.60		-	32.70	5.30	473.36	-	244.03	-	-
TOTAL EXPENDITURES	10,429.82	4,782.36	4,868.00	-	-	11,264.93	200.95	23,656.53	3,581.80	1,031.31	469.20	-	232.24	70.74	473.36	-	244.03	-	-
Excess Rev/(Exp) Balance	(1,524.28)	582.66	2,174.42	461,19	26.31	(9,870.58)	(186.01)	(23,685.42)	(4,677.70)	(2,561.41)	(2,000.35)	(811,22)	(687.78)	(437.05)	(715.18)	(281,52)	(781.16)	(321.03)	(253.40)
		474-144		+ + + + + + + + + + + + + + + + + + + +		A (A 1=4 44)		- (
FUND BALANCE	\$(1,537.28)	\$(954.62)	\$ 1,219.80	\$ 1,680.99	\$1,707,30	\$ (8,163.28)	\$(8,349.29)	\$(32,034.71)	\$(36,712.41)	\$(39,273.82)	\$(41,274.17) \$	(42,085.39) \$	(42,773.17) \$	43,210.22) \$	(43,925.40) \$	(44,206,92) \$	(44,988.08) \$(45,309.11) \$	(45,562.51)

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OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MEMORANDUM

TO:	Addison Dryden Inter-County Drainage Board
FROM:	Joel Kohn, Engineering Systems Coordinator
SUBJECT:	Oakland County Water Resources Maintenance Recommendation
DATE:	November 30, 2016

On November 7, 2016 drain maintenance staff visually inspected the Addison Dryden Inter-County Drain. Per the attached report it was noted there are multiple spots in which fallen trees and debris are blocking flow of the drain, this also includes a beaver dam.

It is staff recommendation that the inter-county drainage board authorizes Oakland County Water Resources to perform maintenance on the drain to remove trees, debris and beaver dams with expenditures not exceeding the annual assessment amount set by the Michigan Drain Code, which is \$5,000 per mile of drain for maintenance. Per the final order of determination dated March 26, 1904 the length of the drain is 83.5 chains or 5,511 feet.

It is also staff recommendation that the inter-county drainage board approve the original apportionment of tax between counties dated May 10, 1904. The determined percent for each county is Oakland County 76 percent and Lapeer County 24 percent.

Total Maintenance costs are estimated at \$7,000.

Form - DC -224 O	pen Ditch Field Sheets	
Storm Structure Inspection Sheets	7	Nov 07, 2016
	onst#: <u>DRT136001</u>	□ GPS Captured
Dw MapSheet ID: ADT009003 Dw Co	onst#:	
Street # <u>5757</u> Street <u>RocHester</u>	RJ	Lot #
Subdivision <u><i>NIA</i></u>	Downstream Pipe Sha	
Drain <u>Addison Drvden</u>	Downstream Pipe Size	:InIn.
Invert: Number Steps: Mh. Depth: Ft. Mh. Diameter Ft. Composition Location in Asphalt Sod	And the state of t	gt 1720 Ft. Yes
Asphalt Sod Front Concrete Grass Seed Back Gravel Unfinished	Lot	ch Needs Repair:
Section Abandoned	Road Shoulder Un	defined Repair
\Box This Structure is an End Section		
Cross Roads: - Bord MAN + Rocta	isteR	
Date: 1/-9-16 Crew Name		
pull MM	Cody Wake Ford	
Crew Leader Signature	(
Area: DRT136001 - AD	1009003	
Conditions: (Give details, take photos & $5wAmp$ AND Vag measurement s if needed)	Hation is Heavy	
Recom- mendations: Good Condition	/	
Equipment:		
	JOHN P. McCULLOCH	
OAKLAND	COUNTY DRAIN COMMISSONER	- * 10.0 10
	Page4of 4	02/20/07

Storm Struc	ture Field Sheets
Storm Structure Inspection Sheets	7Nov 07,2016
Up MapSheet ID: ADT009003 Up Const#:	ADT009003 GPS Captured
Dw MapSheet ID: ADT009002 Dw Const#:	· · · · · · · · · · · · · · · · · · ·
Street # 5757 Street Routester Re	5 Lot #
Subdivision	Downstream Pipe Shape: Circle
Drain Addison Dryden	Downstream Pipe Size: 48 In.
Invert: N/A Ft. Number Steps:	Traffic
Mh. Depth: Ft. Number of Bolts:	Adjusting Material Height:Ft. Control
Mh. Diameter Ft. Cover Diameter:	In. Downstream Pipe Lengt 20 Ft. Yes
Frame Frame Type	Catch Basin Connections:
East Jordan Plain Cover Type	CompositionSurfaceLocation in Lot
Neehan Boltdown Plain	Asphalt Roadway Front
Unknown Other Boltdown	Concrete Drive Way Back
Contraction of the second seco	Gravel Sidewalk Side
Manhole Construction	Sod Road Shoulder Not in Lot
Poured in Place Adjusting Material PreCast Concret Concrete Rings	Grass Seed
Block Block Work	Unfinished I Lawn Crew
Brick Brick	
Combo Brick/Block	Undefined Repair
Structure /	
Comments: CUT TREES From PROUND	TNET
ATMOSPHERIC TESTS	Date: 11-16 02
SERIAL NUMBER# : 913070253 PID):_	
LEL/Comb/HC (%):OXY/O2 (%):	
CO (ppm): H2S (ppm):	Employee Signature
Manhole Needs Work	Last Lel CO O2 H2S PID
E1[] Manhole Leaks	Reading -1 -1 -1 -2
E2[] Illegal Connection-Sump Pump or Drainage	This Structure is an End Section
E4[] Root Intrusions	Type of Structure
E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material	□ Storm Manhole □ Outlet □ Retention Pond
E7[] Needs Brick Repairs	Drop Manhole Catch Basin Diversion Chamber
E8[] Lead Needs Pointing	✓ Inlet □ Detention Pond □ Junction Chamber
D1[] Could Not Locate	Downstream Line Condition
D2[] Manhole Buried, Needs Raising	L1 [] Downstream Line OK - Best that can be determined
D3[] Loose Manhole Frame	L2 [] Line Joints Need Repair
D4[] Broken Concrete Adjusting Rings D5[] Manhole Missing Steps	L3 [] Settlement in Pipe, Line OK
D6[] Spillway Needs Repair	L4 [] Settlement in Pipe, Needs Attention
D7[] Cracked or Wrong Size Manhole Cover	A [] Manhole in Good Condition
D8[] Manhole Pre-cast Section Cracked	C [] Manhole/CB Needs Cleaning R [] Needs Surface Restoration without Soil Erosion Measur
D9[] Manhole Needs Lowering	S [] Needs Surface Restoration with Soil Erosion Measures
D0[] Replace Frame/Lid or Adjusting Material	X [] Unsafe Atmosphere
DAR Needs Repair	Z [] Manhole Abandoned
(Write in repair comments): CUT TREES From APOVING JOHN	P. McCULLOCH
EUT TREED THE OAKLAND COUNT	TY DRAIN COMMISSONER
P	age4of 4 02/20/07

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Form	- 1	DC	-224

Storm Structure Field Sheets

Friday	January	<i>N</i> 3	2014	
$rrauy_{1}$	Junuary	$0J_1$	2014	

Storm Structure Inspection Sheet	Friday, January 03, 2014
Township AD 3 Sheet 009 Manhole Anter	6.22 GPS Captured Downstream Manhole: AD Tos 960)
Street # 5757 Street <u>RocHestal</u>	R.J.
Subdivision N/A	Lot Number
Drain <u>APPISON - DRyden DRMW</u>	Adjusting Material Height
Invert: <i>NIA</i> Ft. Number Steps:	Downstream Pipe Size: CHW Distint
Mh. Depth: Ft. Number of Bolts:	Downstream ripe Length: 077_ Pt.
Mh. Diameter Ft. Cover Diameter:	
Frame Frame Type Cover Type	Composition Surface Location in Lot
East Jordan	Asphalt Roadway Front
Neehan Boltdown Boltdown	Concrete Drive Way Back
Unknown	Gravel Sidewalk Side
[Manhole Construction] [Adjusting Material]	Sod Road Shoulder Not in Lot
Poured in Place Concrete Rings	Grass Seed Ditch Unfinished Lawn
PreCast Concrete Block Work	S Field/Woods II Inspection
$\square Block \qquad \square Brick \qquad \square Br$	$\Box \text{ Undefined} \qquad \Box \text{ Repair}$
Brick Done	
Combo Brick/Block	Hazard Accessment Permit#:
۵۲	
Manhole Comments: THis is A US"RCP Out	let
ATMOSPHERIC TESTS	Date: 1/-9+16
SERIAL NUMBER# : <u>7/5/7/293</u> PID): LEL/Comb/HC (%): Ø OXY/O2 (%): 20.	a la
CO (ppm): H2S (ppm):	Employee Signature
Manhole Needs Work	This Structure is an End Section
E1[] Manhole Leaks	Type of Structure
E2[] Illegal Connection-Sump Pump or Drainage	Storm Manhole O Outlet Retention Pond
E4[] Root Intrusions	Drop Manhole Catch Basin Ordinary Manhol
E5[] Chemicals or Oils Evident	□ Inlet □ Detention Pond □ Combo CB-MH
E6[] Deteriorated Adjustment Material	Headwall No End Treatment
E7[]Needs Brick Repairs E8[] Lead Needs Pointing	
D1[] Could Not Locate	Downstream Line Condition
D2[] Manhole Buried, Needs Raising	L1 [] Downstream Line OK - Best that can be determined
D3[] Loose Manhole Frame	L2 [] Line Joints Need Repair
D4[] Broken Concrete Adjusting Rings	L3 [] Settlement in Pipe, Line OK
D5[] Manhole Missing Steps	L4 [] Settlement in Pipe, Needs Attention
D6[] Spillway Needs Repair	A [] Manhole in Good Condition C [] Manhole/CB Needs Cleaning
D7[] Cracked or Wrong Size Manhole Cover	R [] Needs Surface Restoration with no Soil Erosion Measu
D8[] Manhole Pre-cast Section Cracked	S [] Needs Surface Restoration with Soil Erosion Measures
D9[] Manhole Needs Lowering	X [] Unsafe Atmosphere
D0[] Replace Frame/Lid or Adjusting Material	Z [] Manhole Abandoned
DAX Needs Repair (Write in Repair Comment Below)	Problems:
f.	
CUT Brush ARound outlet	· · ·
	IM NASH
	FR RESOURCES COMMISSONER
	ER RESOURCES COMMISSONER Page 1 of 1 07/14/08

NEWLINE NULLINE	ure Inspection Sh	eets	8	Nov 07, 20	16
	D: ADT009002		ADT009002	🗆 G	PS Captured
· -	D: ADT009001	Dw Const#:			
Street # _ 57	57 Street	Loc Hester 1	20		Lot #
	<i>P</i> /A Idison Drvden <i>W</i> /A Ft. Numbe	or Stens	Downstream P Downstream P	ipe Shape: Open T ipe Size:	n.
Mh. Depth: Mh. Diameter	Ft. Number	er of Bolts:	Adjusting Materi In. Downstream P Catch Basin C	ipe Lengt 825	Ft. Control Ft. Ves No
Composition Asphalt Concrete Gravel Section Aba	Sod Grass Seed Unfinished	Location in Lot Front Back Side Not in Lot	Surface Roadway Drive Way Sidewalk Road Shoulder	 Ditch Lawn Field/Woods 	Good Condition:
	re is an End Section	1 2 1			
C1055 Modus.	- Rochester	t bordman	<i>}</i>		
Date: <u>11-9-</u> <u>INU 111</u>	16 1927 ew Leader Signature	Crew Names:	MARK MELAR Cody WAKEFO	1449	
Inspection Area:	ADTOO90	02 - ADT	004001		
Conditions: (Give details, take photos & measurement s if needed)		k5 Ia			
		+R5	· 		
Recom- mendations:	2 crews 67 CST From A		outh to Summ	p	
mendations:	CST From A		outh to Sum	·ρ	. •
	Cot From H Robber Beats		outh to Swam		

Form - DC -224 Storm Stru	cture Field Sheets
Storm Structure Inspection Sheets	7 Nov 07,2016
	ADT009001 GPS Captured
Dw MapSheet ID: ADT006003 Dw Const#:	
Street # 7757 Street Rochester R	Lang
Subdivision ///A Drain Addison Drvden	
	Downstream Pipe Width: 43 In. Downstream Pipe Height: 64 In.
Invert: Ft. Number Steps: Mh. Depth: Ft. Number of Bolts:	Downstream Pipe Height: 64 In. Control
Mh. Depth: Ft. Number of Bolts: Mh. Diameter Ft. Cover Diameter:	In. Downstream Pipe Lengt 50 Ft. Yes
	Catch Basin Connections:
Frame Type Cover Type	
East Jordan	Composition Surface Location in Lot
	Asphalt Roadway Front
Unknown Other Other Other	Concrete Drive Way Back
Manhole Construction	Giavei – Shiewank
Poured in Place	Image: Sod Image: Sod
PreCast Concret	Unfinished Lawn Crew
Block Block Work	Field/Woods
Brick Brick	Undefined Repair
Combo Brick/Block None	
ATMOSPHERIC TESTS SERIAL NUMBER# : 9/3076253 PID): LEL/Comb/HC (%): Ø OXY/O2 (%): Ø CO (ppm): Ø H2S (ppm): Ø	Date: 1/-9-16 02 0 MM MIX Employee Signature
Manhole Needs Work	Last Lel CO O2 H2S PID
E1[] Manhole Leaks	Last Lel CO O2 H2S PID Reading -1 -1 -1 -1 -2
E2[] Illegal Connection-Sump Pump or Drainage	Calling This Structure is an End Section
E4[] Root Intrusions	Type of Structure
E5[] Chemicals or Oils Evident	
E6[] Deteriorated Adjustment Material	Storm Manhole Outlet Retention Pond Drop Manhole Catch Basin Diversion Chamber
E7[] Needs Brick Repairs E8[] Lead Needs Pointing	$\square Drop Manhole = Catch Dash = Diversion Chamber \square Detention Pond = Junction Chamber$
D1[] Could Not Locate	
D2[] Manhole Buried, Needs Raising	Downstream Line Condition
D3[] Loose Manhole Frame	L1 [] Downstream Line OK - Best that can be determined
D4[] Broken Concrete Adjusting Rings	L2 [] Line Joints Need Repair
D5[] Manhole Missing Steps	L3 [] Settlement in Pipe, Line OK L4 [] Settlement in Pipe, Needs Attention
D6[] Spillway Needs Repair	A Manhole in Good Condition
D7[] Cracked or Wrong Size Manhole Cover	C Manhole/CB Needs Cleaning
D8[] Manhole Pre-cast Section Cracked	R [] Needs Surface Restoration without Soil Erosion Measur
D9[] Manhole Needs Lowering D0[] Replace Frame/Lid or Adjusting Material	S [] Needs Surface Restoration with Soil Erosion Measures
DA[] Needs Repair	X [] Unsafe Atmosphere
(Write in repair comments):	Z [] Manhole Abandoned
Froher is under WATER, JOHN	P. McCULLOCH
Friter is underwater, JOHN CROSSING Pipe is Blood OAKLAND COUNT	TY DRAIN COMMISSONER
Moning 1 ge New	Page3 of 4 02/20/07

Form - DC -224

Storm Structure Field Sheets

Storm Structure Inspection Sheet	Friday, January 03, 2014
Township <u>MDT</u> Sheet <u>Oplo</u> Manhole <u>MTork</u> Street # 5650 Street <i>RocHester</i>	Constrained Downstream Manhole: ADTOBOCL
Subdivision <i>MIA</i>	Lot Number
Drain <u>Addison - Dfyden</u> Dfan Invert: <u>Ft. Number Steps:</u> Mh. Depth: <u>Ft. Number of Bolts:</u> Mh. Diameter <u>Ft. Cover Diameter:</u>	Adjusting Material Height Downstream Pipe Size: Downstream Pipe Length: In. Catch Basin Connections:
Frame Frame Type East Jordan Plain Nechan Boltdown Unknown Other Manhole Construction Adjusting Material Poured in Place Concrete Rings PreCast Concrete Block Brick Snick Combo Brick/Block None	Composition Surface Asphalt Roadway Concrete Drive Way Gravel Sidewalk Sod Road Shoulder Unfinished Ditch Field/Woods Inspection Undefined Repair
Manhole Outlet is under water	······
Comments: Crossing is New	
ATMOSPHERIC TESTS	Date: 11-9-16
SERIAL NUMBER# : <u>13070253</u> PID): <u>0</u> LEL/Comb/HC (%): U OXY/O2 (%): <u>20</u>	
CO (ppm): 0 H2S (ppm): 0	Employee Signature
Manhole Needs Work	This Structure is an End Section
E1[] Manhole Leaks E2[] Illegal Connection-Sump Pump or Drainage	Type of Structure
E4[] Root Intrusions	Storm Manhole, Outlet Retention Pond
E5[] Chemicals or Oils Evident	Drop Manhole Catch Basin Ordinary Manhol
E6[] Deteriorated Adjustment Material	□ Inlet □ Detention Pond □ Combo CB-MH □ Headwall □ No End Treatment
E7[]Needs Brick Repairs	└── Headwall └─ No End Treatment
E8[] Lead Needs Pointing	Downstream Line Condition
D1[] Could Not Locate	L1 [] Downstream Line OK - Best that can be determined
D2[] Manhole Buried, Needs Raising D3[] Loose Manhole Frame	L2 [] Line Joints Need Repair
D4[] Broken Concrete Adjusting Rings	L3 [] Settlement in Pipe, Line OK
D5[] Manhole Missing Steps	L4 [] Settlement in Pipe, Needs Attention
D6[] Spillway Needs Repair	A Manhole in Good Condition
D7[] Cracked or Wrong Size Manhole Cover	C ⁽] Manhole/CB Needs Cleaning
D8[] Manhole Pre-cast Section Cracked	R [] Needs Surface Restoration with no Soil Erosion Measu S [] Needs Surface Restoration with Soil Erosion Measures
D9[] Manhole Needs Lowering	X [] Unsafe Atmosphere
D0[] Replace Frame/Lid or Adjusting Material	Z [] Manhole Abandoned
DA[] Needs Repair (Write in Repair Comment Below)	Problems:
	<u>, , , , , , , , , , , , , , , , , , , </u>
CROBING is NOW	
	IM NASH
OAKLAND COUNTY WAT	ER RESOURCES COMMISSONER

•	Then addien GI	anta	8	Nov 07, 2016
XIn Manchast **	<u>ure Inspection S</u>): ADT006003		o ADT006003	GPS Captured
-, -		-		
	D: ADT006002	Dw Const#:		Lot #
	Street	Rochester		······································
Subdivision Drain Ad	dison Drvden			pe Shape: Open Trench
Invert:	Ft. Numb	er Stens.	Downstream Pi	pe Size:InIn
Mh. Depth:	Ft. Numb	~ <u> </u>	Adjusting Materia	al Height:Ft. Control
Mh. Diameter	Ft. Cover	Diameter:	In. Downstream Pi	pe Lengt 2478 Ft. Yes
Composition		Location in Lot	Catch Basin Co	nnections No
🖾 Asphalt	Sod	Front	<u>Surface</u>	Good Condition:
Concrete	Grass Seed	Back Side	V	Ditch Needs Repair:
Gravel	🖾 Unfinished	Side		Lawn
Section Abar	ndoned		Sidewalk	Field/Woods Inspection Undefined Image: Construction
🗆 This Structu	re is an End Section		Toad Shouldel	
Cross Roads:	Rochester & Bordn	nan		
Date: <u>11-9-1</u>	6	Crew Names:	RADAN BOTIODI.	
	aca	1	MARK MCLARY Eody WARE Pord	
May M	20		Cody WAKE Ford	
Cre	w Leader Signature			
nspection Area:				
HICA.	ANTONLOOD	3 - ADToolo	302	
	HOTOCOL			
	· · · · · · · · · · · · · · · · · · ·			
Conditions:		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
(Give details,	SwAmp, He	ANY Vegitation	/	
•	BANKS-4-2	oʻ		
take photos & measurement	11.004 / 1 . AL			
take photos &	Wide - 1'- 2	9°		
take photos & measurement	wide - 6 - 2			
take photos & measurement	wide - 6 - 2		DAM 600 UPStr	enm From ADTO06002
take photos & measurement s if needed) Recom-	wide - 6'-2" ALSO H	Ave BEAVER		
take photos & measurement s if needed)	Wide - 6'-2 ALSO H. COT BLOCKA	AVE BLAVES 1925 OUT OF	FLOCK From A	
take photos & measurement s if needed) Recom-	Wide - 6'-2 ALSO H. COT BLOCKA	Ave BEAVER	FLOCK From A	
take photos & measurement s if needed) Recom-	Wide - 6'-2 ALSO H. COT BLOCKE Upstream	AVE BLAVER 1985 OUT OF ABOUT 600'	FLOCK From A	
take photos & measurement s if needed) Recom-	Wide - 6'-2 ALSO H. COT BLOCKA	AVE BLAVER 1985 OUT OF ABOUT 600'	FLOCK From A	
take photos & measurement s if needed) Recom- mendations:	Wide - 6'-2 ALSO H. OUT BLOCKA UPSTREAM 2 Crews 1.	AVE BLAVER 1985 OUT OF ABOUT 600'	FLOCK From A	
take photos & measurement s if needed) Recom-	Wide - 6'-2 ALSO H. CUT BLOCKA UPSTREAM 2 Crews 1. RUBBER Posts	AVE BLAVER 1925 OUT OF ABOUT 600' 1/2 DAYS	FLOCK From A	
take photos & measurement s if needed) Recom- mendations:	Wide - 6'-2 ALSO H. OUT BLOCKA UPSTREAM 2 Crews 1.	AVE BLAVER 1925 OUT OF ABOUT 600' 1/2 DAYS	FLOCK From A	
take photos & measurement s if needed) Recom- mendations:	Wide - 6'-2 ALSO H. CUT BLOCKA UPSTREAM 2 Crews 1. RUBBER Posts	AVE BUAVER 1985 OUT OF ABOUT 600' 1/2 DAYS 3 PPE JOHN	FLOCK From A	DT006002

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Form - DC -224 Storm Stru	icture Field Sheets					
Storm Structure Inspection Sheets	7 Nov 07,2016					
	ADT006002 GPS Captured					
4						
Street # Street Bord MAN	Lot #					
Drain Addison Dryden	Downstream Pipe Shape: Circle Downstream Pipe Size: 42					
Attrixon Dryden Invert: Ft. Number Steps: Mh. Depth: Ft. Number of Bolts: Mh. Diameter Ft. Cover Diameter: East Jordan Plain Boltdown Plain Boltdown Other Manhole Construction Adjusting Material PreCast Concret Block Block Block Work Brick Brick	Adjusting Material Height: Traffic In. Downstream Pipe Lengt 28 Catch Basin Connections: Ft. Asphalt Surface Asphalt Incontrol Gravel Sidewalk Grass Seed Ditch Unfinished Yes					
Combo Brick/Block	Undefined Repair					
Structure Comments: NEW DATA - PLEASE VERIFY ACCURACY ATMOSPHERIC TESTS Date: 11-9-16 02 SERIAL NUMBER# : 913070253 PID): O MM MOAL LEL/Comb/HC (%): O OXY/O2 (%): 20,7 MM MOAL Employee Signature						
Manhole Needs Work	Last Lel CO O2 H2S PID					
E1[] Manhole Leaks E2[] Illegal Connection-Sump Pump or Drainage E4[] Root Intrusions	Reading -1 -1 -1 -1 -2					
 E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material E7[] Needs Brick Repairs E8[] Lead Needs Pointing 	Storm Manhole Outlet Retention Pond Drop Manhole Catch Basin Diversion Chamber Inlet Detention Pond Junction Chamber					
 D1[] Could Not Locate D2[] Manhole Buried, Needs Raising D3[] Loose Manhole Frame D4[] Broken Concrete Adjusting Rings D5[] Manhole Missing Steps D6[] Spillway Needs Repair D7[] Cracked or Wrong Size Manhole Cover D8[] Manhole Pre-cast Section Cracked D9[] Manhole Needs Lowering D0[] Replace Frame/Lid or Adjusting Material DA[] Needs Repair (Write in repair comments): 	Downstream Line Condition L1 [] Downstream Line OK - Best that can be determined L2 [] Line Joints Need Repair L3 [] Settlement in Pipe, Line OK L4 [] Settlement in Pipe, Needs Attention A [] Manhole in Good Condition C [] Manhole/CB Needs Cleaning R [] Needs Surface Restoration without Soil Erosion Measures S [] Needs Surface Restoration with Soil Erosion Measures X [] Unsafe Atmosphere Z [] Manhole Abandoned					
	NTY DRAIN COMMISSONER					
HVIIONI DI 41	Page2of 4 02/20/07					

	n Structure Field Sheets
Storm Structure Inspection Sheet	Friday, January 03, 2014
Street # Street Beroman	GPS Captured Downstream Manhole: ABTO 05001
Subdivision	Lot Number
Drain Appilon - DRy Den DEn W Invert: Ft. Number Steps: Mh. Depth: Ft. Number of Bolts: Mh. Diameter Ft. Cover Diameter:	Adjusting Material Height Downstream Pipe Size: Downstream Pipe Length: 7082 Ft. In. Catch Basin Connections:
Frame Frame Type East Jordan Plain Neehan Boltdown Unknown Other	Asphalt Roadway Concrete Drive Way Gravel Sidewalk Sod Road Shoulder Grass Seed Ditch
Poured in Place Concrete Rings PreCast Concrete Block Work Block Brick Brick None	Unfinished Lawn S Field/Woods Undefined Repair
Combo Brick/Block	Hazard Accessment Permit #:
Manhole	
Comments:	
ATMOSPHERIC TESTS SERIAL NUMBER# : 113\$ 76257 PID): LEL/Comb/HC (%): 0 OXY/O2 (%): 2 CO (ppm): C H2S (ppm): 0	
Manhole Néeds Work	This Structure is an End Section
E1[] Manhole Leaks	Type of Structure
	Storm Manhole Outlet
E1[] Manhole Leaks E2[] Illegal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident	Type of Structure Storm Manhole Outlet Drop Manhole Catch Basin Ordinary Manhole
 E1[] Manhole Leaks E2[] Illegal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material 	Storm Manhole Outlet
 E1[] Manhole Leaks E2[] Mlegal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material E7[]Needs Brick Repairs 	Type of Structure Storm Manhole Outlet Drop Manhole Catch Basin Inlet
 E1[] Manhole Leaks E2[] Illegal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material 	Type of Structure Storm Manhole Outlet Retention Pond Drop Manhole Catch Basin Ordinary Manhol Inlet Detention Pond Combo CB-MH Headwall No End Treatment Downstream Line Condition Downstream Line Condition
 E1[] Manhole Leaks E2[] Mlegal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material E7[]Needs Brick Repairs E8[] Lead Needs Pointing D1[] Could Not Locate D2[] Manhole Buried, Needs Raising 	Type of Structure Storm Manhole Outlet Drop Manhole Catch Basin Inlet Detention Pond Headwall No End Treatment Downstream Line Condition L1 [] Downstream Line OK - Best that can be determined
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 E1[] Manhole Leaks E2[] Megal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material E7[]Needs Brick Repairs E8[] Lead Needs Pointing D1[] Could Not Locate D2[] Manhole Buried, Needs Raising D3[] Loose Manhole Frame D4[] Broken Concrete Adjusting Rings D5[] Manhole Missing Steps D6[] Spillway Needs Repair D7[] Cracked or Wrong Size Manhole Cover D8[] Manhole Pre-cast Section Cracked 	Type of Structure Storm Manhole Outlet Retention Pond Drop Manhole Catch Basin Ordinary Manhol Inlet Detention Pond Combo CB-MH Headwall No End Treatment Downstream Line Condition L1 [] Downstream Line OK - Best that can be determined L2 [] Line Joints Need Repair L3 [] Settlement in Pipe, Line OK L4 [] Settlement in Good Condition A [] Manhole in Good Condition C [] Manhole/CB Needs Cleaning R [] Needs Surface Restoration with no Soil Erosion Measu
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 E1[] Manhole Leaks E2[] Megal Connection-Sump Pump or Drainage E4[] Root Intrusions E5[] Chemicals or Oils Evident E6[] Deteriorated Adjustment Material E7[] Needs Brick Repairs E8[] Lead Needs Pointing D1[] Could Not Locate D2[] Manhole Buried, Needs Raising D3[] Loose Manhole Frame D4[] Broken Concrete Adjusting Rings D5[] Manhole Missing Steps D6[] Spillway Needs Repair D7[] Cracked or Wrong Size Manhole Cover D8[] Manhole Pre-cast Section Cracked D9[] Manhole Needs Lowering D0[] Replace Frame/Lid or Adjusting Material 	Type of Structure Storm Manhole Outlet Retention Pond Drop Manhole Catch Basin Ordinary Manhol Inlet Detention Pond Combo CB-MH Headwall No End Treatment Downstream Line Condition Inlet L1 [] Downstream Line OK - Best that can be determined L2 [] Line Joints Need Repair L3 [] Settlement in Pipe, Line OK L4 [] Settlement in Pipe, Needs Attention A Manhole in Good Condition C [] Manhole/CB Needs Cleaning R [] Needs Surface Restoration with no Soil Erosion Measu S [] Needs Surface Restoration with Soil Erosion Measures X [] Unsafe Atmosphere
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Form - DC -224	Open Di	ch Field Sheets	
Storm Struct	ure Inspection Sheets	8	Nov 07, 2016
Up MapSheet II	D: ADT006001 Up Const#:	ADT006001	GPS Captured
Dw MapSheet I	D: ADT005001 Dw Const#:	•	
Street #	Street Bord MAN K	20	Lot #
Subdivision	a a second a	Downstream Pip	e Shape: Open Trench
Drain <u>Ad</u>	ldison Drvden	Downstream Pip	
Invert:	Ft. Number Steps:	······································	Control
Mh. Depth: Mh. Diameter	Ft. Number of Bolts: Ft. Cover Diameter:	Adjusting Material	
		Catch Basin Cor	
Composition	Sod	A State of the destruction of the second	Good Condition:
Asphalt Concrete	Grass Seed Back	Surface	Ditch Needs Repair:
Gravel	Unfinished Side		Lawn Crew
	Not in Lot		Field/Woods
Section Abar		Road Shoulder	Undefined D Repair
1	re is an End Section	<u>ب</u> ر	
Cross Roads:	- Bordman & Rochester		
Date: <u>11-9-1</u>	6 Crew Names:	MODU myach	
	j.	MARK MELARY Cody WAKeFord	
	× 1. 21.	Cody WAKEFord	
	w Leader Signature		
Inspection Area:		*	
AICU,	ADTOOLOOT - ADTO	05001	
	112 1 2 1		
Conditions:	4'-10' BANKS		
(Give details, take photos &			
measurement	10'-15' wide	,	
s if needed)			
	Light OKOSION		
	Light ERosien Na bregitation	, 	
Recom- mendations:	CUT TREES OUT OF the	le Flou's	
	2 chevs		
	2 JAYS		
	1		
Equipment:	Rubber Bouts		
	CHAINSANS PPE		
· · · · · · · · · · · · · · · · · · ·	JOHN	P. McCULLOCH	
	OAKLAND COUN	TY DRAIN COMMISSONER	-
	Pa	age1of4	02/20/07

Form - DC -224 Storm Structure Field Sheets								
Storm Structure Inspection Sheets	8 Nov 07,2016							
, –	#: ADT005001 GPS Captured							
Dw MapSheet ID: OUTLET Dw Const#	#:							
Street # Street Bord MAN								
Subdivision Downstream Pipe Shape: <u>Circle Open Ditelt</u>								
Drain <u>Addison Drvden</u> Downstream Pipe Size: In.								
Invert: Ft. Number Steps: Control Mh. Depth: Ft. Number of Bolts: Adjusting Material Height: Ft.								
Mh. Diameter Ft. Cover Diameter: In. Downstream Pipe Lengt - Ft. Yes								
Frame Frame Type Frame Frame Type								
East Jordan Plain	Composition Surface Contact Location in Lot							
Neehan Boltdown Plain	Asphalt Roadway Front							
Unknown Other Boltdown	Concrete Drive Way Back							
Cother	Gravel Sidewalk Side							
Manhole Construction	Sod Road Shoulder Not in Lot							
Poured in Place	Grass Seed Ditch							
PreCast Concret Concrete Rings Block Block Work	Unfinished Lawn <u>Crew</u>							
Block Brick Brick	Field/Woods Inspection							
Combo Brick/Block	Undefined Repair							
Structure NEW DATA - PLEASE VERIFY ACCUR Comments:	ACY							
	Date: 1/-9-16 02							
ATMOSPHERIC TESTS								
SERIAL NUMBER# : <u>71307075</u> PID):								
LEL/Comb/HC (%): C OXY/O2 (%): Z CO (ppm): C H2S (ppm): C	Employee Signature							
NAME AND A DESCRIPTION OF								
<u>Manhole Needs Work</u> E1[] Manhole Leaks	Last Lel CO O2 H2S PID							
E2[] Illegal Connection-Sump Pump or Drainage	Reading -1 -1 -1 -2							
E4[] Root Intrusions	☐ This Structure is an End Section							
E5[] Chemicals or Oils Evident	Type of Structure							
E6[] Deteriorated Adjustment Material	Storm Manhole Outlet Retention Pond							
E7[] Needs Brick Repairs	□ Drop Manhole □ Catch Basin □ Diversion Chambe							
E8[] Lead Needs Pointing	☐ Inlet ☐ Detention Pond ☐ Junction Chamber							
D1[] Could Not Locate D2[] Manhole Buried, Needs Raising								
D3[] Loose Manhole Frame	L1 [] Downstream Line OK - Best that can be determined							
D4[] Broken Concrete Adjusting Rings	L2 [] Line Joints Need Repair							
D5[] Manhole Missing Steps	L3 [] Settlement in Pipe, Line OK							
D6[] Spillway Needs Repair	L4 [] Settlement in Pipe, Needs Attention							
D7[] Cracked or Wrong Size Manhole Cover	A X Manhole in Good Condition							
D8[] Manhole Pre-cast Section Cracked	C [] Manhole/CB Needs Cleaning R [] Needs Surface Restoration without Soil Erosion Measur							
D9[] Manhole Needs Lowering	S [] Needs Surface Restoration with Soil Erosion Measures							
D0[] Replace Frame/Lid or Adjusting Material	X [] Unsafe Atmosphere							
DA[] Needs Repair (Write in repair comments):	Z [] Manhole Abandoned							
JOHN P. McCULLOCH								
	N P. McCULLOCH							
	N P. McCULLOCH INTY DRAIN COMMISSONER							

Pagelof 4







Addison Dry den INTERCOUNTY DRAIN							
Lapeer = Oakland Counties							
RESOLUTION RE: AUTHORIZED PUBLIC AGENCY STATUS							
At a regular meeting of the Adelison Drayden Intercounty Drain Drainage Board							
held in the City/Township of <u>Lapeer</u> , Michigan, on							
November 30, 20 16 at 1:30 o'clock p.m.							
PRESENT: <u>Summa & Korth</u>							
ABSENT:							
The following resolution was offered by <u>Suma</u> and seconded by							
Korth							

WHEREAS, a drain project/maintenance for the _______ Intercounty Drain was deemed necessary pursuant to the Michigan Drain Code, MCL 280.1 et seq;

WHEREAS, Part 91 of Public Act 451 of 1994 ("Part 91") requires that soil erosion and sedimentation control permits be obtained from a county or municipal enforcing agency for earth change activities that disturb one or more acres or are located within 500 feet of a lake or stream;

WHEREAS, Part 91 further provides that state agencies or agencies of a local unit of government that are designated as Authorized Public Agencies (APA) by the Michigan Department of Environmental Quality (MDEQ) may undertake earth change activities for projects under their jurisdiction in accordance with soil erosion and sedimentation control procedures approved by the MDEQ as an alternative to obtaining soil erosion and sedimentation control permits;

WHEREAS, Part 91 further provides that a state agency or an agency of a local unit of government may apply to the MDEQ for designation as an APA by submitting to the Department the soil erosion and sedimentation control procedures governing all earth changes normally undertaken by the agency;

WHEREAS, Pursuant to an agreement with the MDEQ, Intercounty Drain Drainage Boards will be deemed in compliance with the requirements outlined in Part 91 if each of the Drain Commissioners on the Intercounty Drain Drainage Board is currently an APA and if each of the Drain Commissioners assume Part 91 jurisdiction and responsibility of the portion of the drain project/maintenance undertaken in their County. WHEREAS, the County Drain Commissioners of <u>Laper & Oakland</u> county(ies) have applied to the MDEQ for APA status and are currently designated as APA's pursuant to Part 91;

WHEREAS, the Drain Commissioner(s) of <u>Lapeer</u> FOakland county(ies) is/are not APA's and therefore permits are required within that/those county(ies).

NOW, THEREFORE BE IT RESOLVED:

- 1. The <u>Lapeer & Oakband</u> County Drain Commissioner(s) that are APA's agree to assume Part 91 responsibility and jurisdiction for the portion of the <u>Addison Oryden</u> Intercounty Drain project/maintenance that will be undertaken in their respective County((ies). Further, the County Drain Commissioner(s) agree to be responsible for compliance with Part 91 for the drain work in his/her county with the <u>Addison Dryden</u> Intercounty Drain Drainage District assuming liability for any violations or damages that may occur as a result of such work.

county(ies) for work being performed because the County Drain Commissioner(s) in that County is not an APA.

AYES:

Korth & Suma

NAYS:

RESOLUTION ADOPTED.

iche RX

Chairperson of Drainage Board

Public Comment

Drain Maintenance Memorandum

OAKLAND COUNTY WATER RESOURCES COMMISSIONER

MEMORANDUM

TO:	Michael Gregg - Chairperson of the Addison-Dryden Intercounty Drain Drainage Board
FROM:	Geoff S. Wilson, P.E Assisstant Chief Engineer Ed Thick – Supervisor Drain Maintenance
SUBJECT:	Addison-Dryden Drain Maintenance
DATE:	July 21, 2022

The Addison-Dryden Drain primarily has issues with beaver damming portions of the drain. A contracted trapper works on behalf of the Oakland County Water Resources Commissioner (WRC) for many of the requests. WRC removes beaver dams using hand equipment or a mini excavator. The drain was inspected in 2016 and the inspection yielded approximately \$1,700 worth of downed tree removals. The drain is due for a formal inspection which is estimated to cost \$1,000.

The maintenance account has a deficit balance of (\$20,805) as of March 31, 2022. The assessment length of the drain is two miles. The drain is apportioned to Oakland County 76% and to Lapeer County 24%.

Requested Actions:

Authorize the Oakland County Water Resources Commissioner to conduct a drain inspection and perform necessary maintenance (as limited by the Michigan Drain Code) for 2023.

Approve an assessment of \$10,000 for 2023.

OAKLAND COUNTY WATER RESOURCES COMMISSIONER	
Page 1 of 1	Rev.: 02/12/2018





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ADDISON DRYDEN DRAIN - INTER - COUNTY



Oakland County Revenue and Expenditures - 8 year Comparison Fund: 25359 Addison Dryden Ch 5 Drain

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Revenue	es								
630805	Forfeiture of Deposits	0.00	343.90	0.00	0.00	0.00	0.00	0.00	0.00
630966	Inspection Fees	500.00	156.10	0.00	0.00	0.00	0.00	689.26	0.00
655077	Accrued Interest Adjustments	0.52	0.30	(1.37)	(7.70)	(6.94)	(34.45)	21.19	26.79
655385	Income from Investments	1.01	(1.41)	(23.93)	(52.23)	(115.97)	(224.03)	(317.41)	(157.85)
	Total Revenues	501.53	498.89	(25.30)	(59.93)	(122.91)	(258.48)	393.04	(131.06)
Expendi	itures								
730044	Adj Prior Years Revenue	0.00	250.00	0.00	0.00	0.00	0.00	0.00	0.00
730373	Contracted Services	0.00	0.00	0.00	0.00	0.00	0.00	1,235.00	1,040.00
771638	Drain Equip Labor	213.97	1,799.81	1,756.64	3,676.18	1,377.78	4,812.04	1,262.10	1,029.50
771639	Drain Equipment	28.15	398.62	413.63	626.30	271.14	909.92	188.18	277.87
	Total Expenditures	242.12	2,448.43	2,170.27	4,302.48	1,648.92	5,721.96	2,685.28	2,347.37

Other Business

Adjourn