



# Finance and Asset Management Committee Meeting Agenda

May 13, 2024

6:15 p.m. or immediately following the CPSID Committee meeting, if later.

Hybrid In-Person and Virtual Meeting

304 E. Grand River Ave., Board Chambers, Howell, Michigan

Zoom Virtual Meeting ID: 399-700-0062 / Password: LCBOC

<https://us02web.zoom.us/j/3997000062>

*A quorum of the Board of Commissioners may be in attendance at this meeting.*

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## Pages

1. Call Meeting to Order
2. Pledge of Allegiance to the Flag
3. Roll Call  
Nick Fiani - Chairman, Jay Gross - Vice Chairman, Douglas Helzerman, Dave Domas, Frank Sample, Wes Nakagiri, Jay Drick, Roger Deaton, and Martin Smith
4. Approval of Agenda
5. Approval of Minutes
  - 5.1 Meeting Minutes dated: April 9, 2024 3
6. Call to the Public
7. Discussion
  - 7.1 Revenue and Expense Status
  - 7.2 Capital Improvement Plan Update
8. Resolutions for Consideration
  - 8.1 Administration Nathan Burd 6  
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  - 8.2 Fiscal Services Cindy Arbanas 9  
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Resolution Authorizing General Fund Vision Tour Funds for the Drain Commissioner to participate with Handy Township in the Silver Springs Water Pressure Project and Van Buren Road Wastewater Treatment Plant Improvements

**8.4 Drain Commissioner** Brian Jonckheere 39

Resolution Authorizing Improvements to the Sharp Drain from General Fund Vision Tour Funding

**8.5 Drain Commissioner** Brian Jonckheere 45

Resolution Authorizing Improvements to the Fowlerville Village Drain from General Fund Vision Tour Funding

**8.6 Drain Commissioner** Brian Jonckheere 48

Resolution Authorizing Improvements to the Brighton No. 4 Drain from General Fund Vision Tour Funding

**8.7 Drain Commissioner** Brian Jonckheere 66

Resolution Authorizing Improvements to the Rossington Drain from General Fund Vision Tour Funding

**9. Adjournment**

# Finance and Asset Management Committee

## Meeting Minutes



April 9, 2024, Immediately Following the CPSID Committee Meeting.  
Hybrid In-Person and Virtual Meeting  
304 E. Grand River Ave., Board Chambers, Howell, Michigan  
Zoom Virtual Meeting ID: 399-700-0062 / Password: LCBOC  
<https://us02web.zoom.us/j/3997000062>

Members Present: Nick Fiani - Chairman, Douglas Helzerman, David Domas, Frank Sample, Wes Nakagiri, Jay Drick, Roger Deaton, Martin Smith, Jay Gross - Vice Chairman

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### 1. Call Meeting to Order

The meeting was called to order by the Committee Chairman, Commissioner Nick Fiani, at 6:55 p.m.

### 2. Roll Call

Nick Fiani - Chairman, Jay Gross - Vice Chairman, Douglas Helzerman, Dave Domas, Frank Sample, Wes Nakagiri, Jay Drick, Roger Deaton, and Martin Smith

Roll call by the recording secretary indicated the presence of a quorum.

### 3. Approval of Agenda

Motion to approve the Agenda as presented.

It was moved by D. Helzerman  
Seconded by R. Deaton

Yes (9): N. Fiani, D. Helzerman, D. Domas, F. Sample, W. Nakagiri, J. Drick, R. Deaton, M. Smith, and J. Gross

**Motion Carried (9-0-0)**

### 4. Approval of Minutes

#### 4.1 Meeting Minutes dated: March 11, 2024

Motion to approve the Minutes as presented.

It was moved by W. Nakagiri  
Seconded by D. Domas

Yes (9): N. Fiani, D. Helzerman, D. Domas, F. Sample, W. Nakagiri, J. Drick, R. Deaton, M. Smith, and J. Gross

**Motion Carried (9-0-0)**

### 5. Call to the Public

None.

## **6. Discussion**

### **6.1 Revenue and Expense Status**

Cindy Arbanas, Chief Finance Officer, presented two reports from 2023 and 2024 and answered questions from Commissioners.

- 2023 report reviews pre-audit numbers, though pretty close to actual. 2023 includes expenses that have been covered by COVID funds (CARES Act and ARPA Grants), these expenses are now moved back to expenses under the General Fund for 2024.
- 2024 year to date report reviewed. 25% through the County's \$60M budget, 4.9% of the budgeted revenue is received, and 24% of the budgeted expenses have been expended.
- Approximately \$16M in Vision Tour Contingency Fund is available for other projects.

Commissioner Fiani announced to Department Directors and Elected Officials, the ARPA Funding target date is June 1<sup>st</sup>, projects are to be encumbered to be prudent in adhering to the federally mandated guidelines. Any projects not encumbered will be addresses by Fiscal Services.

### **6.2 Capital Improvement Plan Update**

Nathan Burd, County Administrator; Dave Feldpausch, EMS Director; and Kevin Eggleston, Facility Services Department Director, reported on Rural EMS bases.

- Feasibility studies are being done.
- ARPA funding would require the project to be moving along, the timeline does not match the project.
- Other funding opportunities are being reviewed as well as land options that have recently become available.
- More information requested from legal will be available soon.
- Looking at cost to build, run, and maintain the rural bases.
- Potential project for the Vision Tour Contingency Funds.

Kevin Eggleston reported on other capital improvement Projects:

- material pending delivery to complete the County Clerk's office renovations.
- boiler replacements coming forward at the May GGHHS Committee meeting for the Law Center, Judicial Center, and Administration Building
- Fowlerville EMS is ready for occupancy; furniture is ready to be installed this week.

Kevin also provided a short report on Fillmore Park & Lutz Parks:

- Facility Services fills the role of property manager for these parks.
- responsibilities include cutting trails, garbage pick-up, and coordinating with HAPRA for events.
- Weekly spending includes: 8-12 hours mowing and maintaining lawn, few hours throughout the week for custodial maintenance, and efforts to secure property from vandalism.
- Lutz Park does not require as much management as Fillmore Park because it is more rural and the tenants on the property provide some help.
- Other park expenses using the Facilities Services budget include a new mower, a brush hog for trail maintenance, and trailer to transport the lawn mower.

## **7. Resolutions for Consideration**



## **7.1 Fiscal Services**

Resolution to Authorize a First Quarter Budget Amendment to the Fiscal-Year 2024 Budget

Cindy Arbanas, County Finance Officer, presented the resolution and answered questions from Commissioners.

Motion to recommend the resolution to the Board of Commissioners.

Moved by: D. Domas

Seconded by: F. Sample

Yes (9): N. Fiani, D. Helzerman, D. Domas, F. Sample, W. Nakagiri, J. Drick, R. Deaton, M. Smith, and J. Gross

**Motion Carried (9-0-0)**

## **7.2 County Administration**

Resolution Authorizing an Extension to the Agreement for Livingston County to Host Cooperative Contracts for Covid-19 Relief Consulting Services for Michigan Municipalities through the Michigan Association of Counties CoPro+ Program

Motion to recommend the resolution to the Board of Commissioners.

Moved by: J. Drick

Seconded by: D. Helzerman

Yes (9): N. Fiani, D. Helzerman, D. Domas, F. Sample, W. Nakagiri, J. Drick, R. Deaton, M. Smith, and J. Gross

**Motion Carried (9-0-0)**

## **8. Adjournment**

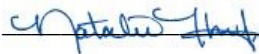
Motion to adjourn the meeting at 7:49 p.m.

It was moved by D. Helzerman

Seconded by R. Deaton

Yes (9): N. Fiani, D. Helzerman, D. Domas, F. Sample, W. Nakagiri, J. Drick, R. Deaton, M. Smith, and J. Gross

**Motion Carried (9-0-0)**



Natalie Hunt, Recording Secretary

RESOLUTION

NO: [Title]

LIVINGSTON COUNTY

DATE: Click or tap to enter a date.

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## Resolution Authorizing Livingston County's 2025 Annual Budget Process and Calendar - Administration

**WHEREAS,** the mission of Livingston County is to be an effective and efficient steward in delivering quality services within the constraints of sound fiscal policy. Our priority is to provide mandated services which may be enhanced and supplemented to improve the quality of life for all who work, reside and recreate in Livingston County; and

**WHEREAS,** the 2025 Budget will be created utilizing the County's Financial ERP system; and

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby adopt the following objectives in the preparation of the 2025 Budget:

- Preserve services essential to the health, safety and welfare of our residents as mandated by State Constitution and Statutes available only through Livingston County Government.
- Services must be consistent with and sustainable within the fiscal parameters of the current and projected economic realities.

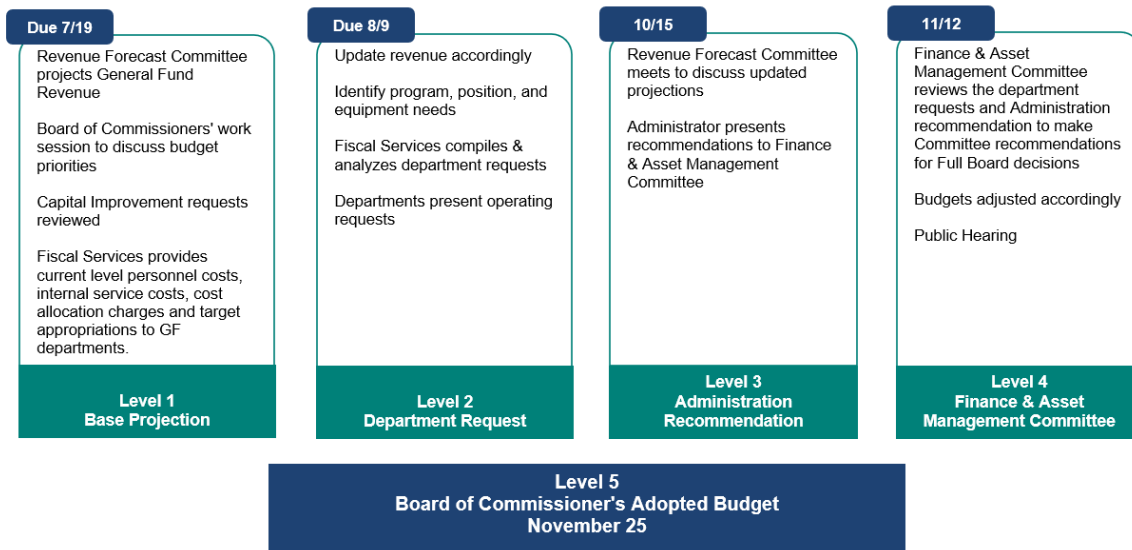
**BE IT FURTHER RESOLVED** that the Board of Commissioners hereby directs that the 2025 budget book format be prepared consistent with the Government Finance Officers Association (GFOA) Distinguished Budget guidelines in creating a document that serves as a Policy Document, Operation Guide, Financial Plan and Communication Device.

**BE IT FURTHER RESOLVED** that the Board of Commissioners hereby direct the following budget process consistent with the attached budget calendar:

- **Pre-Budget:** Revenue Forecasts, Strategic Planning Session(s), Budget Work Session(s), Capital Improvement Plan updates, and updates to the Cost Allocation Plans are essential for planning and necessary for the Board of Commissioners to have the information needed to set budget priorities and assumptions for Fiscal Year 2025.
- **Level 1 Budget: Base Projection** - Personnel costs, Cost Allocation charges, and Internal Service Fund charges (IT, Facility Services & Carpool) will be provided to all departments. General Fund departments will be provided a budget allocation with the target spend for the year.
  - Staff wage and benefit projections are based on the 2024 approved staffing levels plus any additions authorized by the Board since the adoption of the budget. It is the department's responsibility to review and ensure that the projections accurately capture and reflect all current pay types and benefits received by each employee group.
- **Level 2 Budget: Department Request** Departments will prepare all other line-item budget detailed requests and submit through the County's Financial ERP System.
  - General Fund Departments are to maintain budget requests at or below the appropriated target provided to them.
  - Special Revenue Funds and Enterprise Funds shall balance their expenditures with annual revenues.

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- Additional positions requested above current 2024 FTE levels are submitted in the Department Request for Board consideration only. A position request form with justification, funding source(s) and annual cost must be completed for each job class requested. Funding of the position(s) must be sustainable within available resources of the fund.
  - Specific vendor / product / cost information shall be detailed for as many line-items as possible; however, to receive authorization to purchase with adoption of the 2025 Budget, line-item detail is required for the following:
    - 726000 - 747999 – Supply purchases > \$5,000
    - 801000-803000 - Professional Consultants, Attorney Fees and Legal Services
    - 819000-819999 – Contract Services
    - 930000-933001 – Repair and Maintenance >\$5,000
    - 943300-943902 – Software Maintenance
    - 957000-957001 – Professional Development/Employee Training > \$5,000
    - 970000-977999 – Capital Projects
    - Line items with an increase > \$5,000 from the current year, entered without detail, may be returned to department for detail to be added.
  - Capital Projects are those projects with an estimated cost of over \$50,000. These projects should be included in the 2025-2029 Capital Improvement Plan.
    - Capital projects requesting to use Fund 403 Capital Replacement Funds should not be included in the Department Operating Budget. Recommendation for these projects will be presented to the Board of Commissioners under Level 3 – Administrator Recommendation.
    - Maintenance is not to be considered as Capital and should be included in the department Operating Budget.
    - Capital projects that reduce future costs and support the County’s Strategic Plan will be prioritized and recommended to move forward to the Board.
  - The Departments will present their Level 2 Department Requests, highlighting position requests, reorganizations, new or expanding programs, and proposed capital projects during department budget request presentation workshops in the Fall. This will provide an opportunity for County Administration and the Board to discuss, question, and get clarification directly from Department Directors and Elected Officials on their requests.
- **Level 3 Budget: Administrator Recommendation** - Based on discussions, presentations, and analysis of the Department requests, the County Administrator will present a budget recommendation to the Finance and Asset Management (FAM) Committee that continues to support and maintain a healthy financial position for Livingston County.
  - **Level 4 Budget: Finance and Asset Management Committee Recommendation** - The FAM Committee will consider the budgets presented and make final decisions and recommend any changes necessary.
  - **Level 5 Budget: Adopted** - Board of Commissioners adopt the 2025 Livingston County Operating Budget.

**BE IT FURTHER RESOLVED** that the Board of Commissioners hereby direct the budget process be consistent with the above process and within the time frame as presented in the budget calendar below.



## 2025 BUDGET CALENDAR

Date	Meeting	Activity
5/13/2024	FAM Committee	Review and Approve 2025 Budget Process & Calendar
5/28/2024	Board of Commissioners	Approve Resolution to Adopt Millages
6/10/2024	FAM Committee	2025 General Fund Revenue Forecast Presentation
6/13/2024	Work Session	2025 Budget Priorities Determined
7/8/2024	FAM Committee	CIP Presentation
7/19/2024	Internal task - Fiscal Srvs	<b>Level 1</b> Target Budgets to Departments
8/9/2024	Internal task - Departments	Department Budget Requests Level 2 due
		<b>Level 2</b> - Department Presentations - Budget Requests:
9/11/2024	Work Session	General Government & Health and Human Services Departments
9/18/2024	Work Session	*Public Safety, Infrastructure & Development Departments, and Airport
9/25/2024	Work Session	** Judicial, Public Defender, Internal Services Departments, and LETS
10/15/2024	FAM Committee	<b>Level 3</b> - County Administrator 2025 Budget Recommendation
11/1/2024	County Clerk	Notice of Public Hearing of 2025 Budget Published
11/12/2024	FAM Committee	Public Hearing and <b>Level 4</b> - Finance Committee Recommendation
11/25/2024	Board of Commissioners	<b>Level 5</b> Public Adoption of 2025 Budget
* Public Safety: Sheriff, EMS, ME, 911 Dispatch, EM		
**Judicial: Courts & Prosecutor		

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**MOVED:**  
**SECONDED:**  
**CARRIED:**

RESOLUTION

NO: [Title]

LIVINGSTON COUNTY

DATE: Click or tap to enter a date.

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## Resolution Authorizing the Reallocation of Remaining ARPA Dollars for Several Approved ARPA Projects – Fiscal Services

**WHEREAS,** Resolution 2021-05-074 authorized the request and acceptance of American Rescue Plan Act (ARPA) funds to cover eligible costs incurred during the period of March 3, 2021, through on December 31, 2024, and for projects approved prior to December 31, 2024, with a formal encumbrance in place, the continuation of payment on these projects through December 31, 2026; and

**WHEREAS,** any outstanding expenses on approved projects after the December 31, 2026 date will require an alternative funding source for completion and all unspent ARPA funds will be returned to the federal government; and

**WHEREAS,** Livingston County has approved more than three dozen projects since the award of ARPA funding and over two dozen of those projects have been completed to date; and

**WHEREAS,** to ensure Livingston County maximizes the use of ARPA funds there is a need to reallocate funds from projects that fall under one of the following categories: projects completed with a balance remaining, projects in progress but completion within the time frame is uncertain, and projects that are no longer viable, to eligible ARPA projects where the funds can be expended within the allowable time or to be paid with General Fund Vision Tour Committed Fund Balance.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby approves the reallocation of funds from the balance remaining on all approved ARPA projects that have been confirmed to be complete, to ARPA Pre Pandemic Level Staffing (PPLEV) through December 31, 2024.

**BE IT FURTHER RESOLVED** that the balance of ARPA funds remaining in the contract with Guidehouse for ARPA Consulting Services approved in Resolution 2022-09-137 be reallocated to PPLEV, and future services be paid from Professional Services in the General Fund with funds from Vision Tour Committed Fund Balance in an amount not to exceed \$80,000.

**BE IT FURTHER RESOLVED** that the remaining costs incurred for the Clerk's Vital Historical Records Digital imaging project approved in Resolution 2023-11-190 be paid from General Fund Vision Tour Committed Fund Balance in an amount not to exceed \$16,052.

**BE IT FURTHER RESOLVED** that the Van Buren Road Sanitary Sewer Relocation Project approved in Resolution 2023-04-072 in the amount of \$350,000 and the Cohoctah and Barnum Drain Project approved in Resolution 2023-04-073 in the amount of \$14,000 have been deemed as unviable and the funds for these projects be reallocated to ARPA PPLEV.

**BE IT FURTHER RESOLVED** that the Board authorizes an additional \$61,000 of ARPA funds previously designated for other expenses in the ARPA Fiber Optic Cabling Project in Fund 472 for professional/legal services needed for the ARPA Fiber Optic Cabling Project in Fund 472.

**BE IT FURTHER RESOLVED** that the Board authorizes the 2025 and 2026 prepaid charges in the total amount of \$30,000 for costs incurred for the Clerk's Vital Records Document Management Software System Project and approved in Resolution 2022-09-137 be made with ARPA funds.

**BE IT FURTHER RESOLVED** that the Board authorizes any budget amendments, journal entries, and transfers between funds required to effectuate the above.

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**MOVED:**  
**SECONDED:**  
**CARRIED:**

RESOLUTION

NO: [Title]

LIVINGSTON COUNTY

DATE: Click or tap to enter a date.

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**Resolution Authorizing General Fund Vision Tour Funds for the Drain Commissioner to participate with Handy Township in the Silver Springs Water Pressure Project and Van Buren Road Wastewater Treatment Plant Improvements – Drain Commissioner**

**WHEREAS,** Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding for a project improving a relocation/revers grade correction on a sanitary line in Handy Township on Van Buren Rd.; and

**WHEREAS,** a total of \$6,175,870 of ARPA funding was originally identified in the ARPA Road Map for water infrastructure projects and the Drain Commissioner’s Office requested \$350,000 of this allocation (Resolution 2023-04-072) to address part of a wastewater collection system on Van Buren Road in Handy Township; and

**WHEREAS,** the project was bid out in 2023 and due to the difficulties of site conditions, did not receive any bids. It has been deemed to no longer be a viable project; and

**WHEREAS,** Handy Township has since approached the Drain Commissioner to instead use the \$350,000 for two other needed infrastructure repairs/modifications (\$175,000 per project); and

**WHEREAS,** the first project is a water booster pump for Phase 1 of the Silver Springs Subdivision to address inadequate water pressure that the Township supplies water to; and

**WHEREAS,** the second project is the replacement of the north Rotating Biological Contactor (RBC) at the Wastewater Treatment Plant (WWTP) on Van Buren Rd; and

**WHEREAS,** Handy Township, as current owner of these system, has retained Hubbell, Roth, & Clark (HRC) to design, bid, and manage/inspect the construction of both projects; and

**WHEREAS,** in the interest of resolving the matter, the Drain Commissioner has agreed participate in the two projects presented by the Township with funding from County General Fund Vision Tour funds; and

**WHEREAS,** the Drain Commissioner agrees to relinquish the original \$350,000 ARPA allocation and make the funds available for other ARPA eligible projects.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners supports the Livingston County Drain Commissioner participation in two new Handy Township infrastructure projects: Silver Springs Water Booster Pump Station Project for \$175,000, and the Van Buren Rd WWTP North RBC Replacement Project for \$175,000, for a total cost of \$350,000, and authorizes the projects be funded with General Fund Committed Vision Tour fund balance.

**BE IT FURTHER RESOLVED** that the Drain Commissioner is authorized to sign all forms, assurances, contracts/agreements, and future amendments with contract language adjustments related to above upon review and/or preparation by Civil Counsel

**BE IT FURTHER RESOLVED** that the Board of Commissioners authorize any budget amendments, journal entries, and transfers between funds needed to effectuate these two projects.

**BE IT FURTHER RESOLVED** that from the date of approval of this resolution until the project is completed, as outlined in Resolution 2022-12-192, the Board of Public Works shall provide a written update on the status of the project every three (3) months and shall present, in person, to the Finance and Asset Management Committee every six (6) months until the project is complete.

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**MOVED:**  
**SECONDED:**  
**CARRIED:**





**2300 E. Grand River Ave., Suite 105, Howell, MI 48843**

**Phone 517-545-9609 Fax 517-545-9658**

**Web Site:** <https://www.livgov.com/dpw/Pages/default.aspx>

# Memorandum

To: Livingston County Board of Commissioners

From: Robert Spaulding, DPW/Solid Waste Coordinator

Date: April 15, 2024

Re: Resolution Authorizing General Fund Vision Tour Funds for the Drain Commissioner to participate with Handy Township in the Silver Springs Water Pressure Project and Van Buren Road Wastewater Treatment Plant Improvements– Drain Commissioner

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Resolution 2023-04-072 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding for a project improving a relocation/reverse grade correction on a sanitary sewer line in Handy Township on Van Buren Rd. Handy Township worked with their engineer to design and bid out this project. This project was bid out in 2023 and did not receive any bids. Conversations with the contractors determined that this was a very difficult project due to the soil conditions and Handy Township and our office has deemed this as no longer a viable project at this time. Handy Township will continue to perform the regular preventative maintenance to address the reverse grade issue.

Handy Township would like to apply the funds allocated for this project (\$350,000) into to other infrastructure projects in their Township: Water Booster Pump at the Silver Springs subdivision (\$175,000) and replacement of the Rotating Biological Contactor (RBC) at their Wastewater Treatment Plant (WWTP) on VanBuren Road (\$175,000). The Office of the Drain Commissioner agrees with the viability and necessity of these projects and use of these funds towards these projects.

Thank you for your consideration. If you have any questions regarding this matter, please contact me.

# Handy Township

January 24, 2024

Brian Jonckheere  
Livingston County Drain Commissioner  
2300 E Grand River Ave  
Howell, MI 48843

Re: Re-designation of ARPA Funds

Brian,

Per our conversation, I would like to summarize Handy Township's request to reallocate the ARPA Funds.

Through your office and eventually the Livingston County Commissioners, \$350,000 has been set aside to fund a new sewer line for the Red Cedar Subdivision/Van Buren Road to correct a deficiency in the current line.

Van Buren Road was bid out in 2023 and not a single contractor bid on the project. Comments of concern from contractors included high water table, dewatering costs, 6" Consumers Energy gas line, high traffic volume on Van Buren Road and difficulty /uncertainty of the project. None of the previous factors will be any different in 2024.

The timeline of designating a project (end of 2024) and renewal spending the ARPA Funds (end of 2026) is here. Handy Township would prefer to allocate the existing ARPA funds to two other high priority projects which could greatly benefit township residents.

The first project is a water booster pump for Phase I of Silver Springs located just north of the Village of Fowlerville in Section 3. From the original date of installation in 2005, the water pressure has been adequate at best. The water pressure drops from 48 lbs at the entry of Silver Springs on Fowlerville Road to 36-38 lbs on Eagle Ridge.

The booster pump will increase water pressure from 36-38 lbs to 65-70 lbs. Cost estimate for the pump is \$350,000.

The second project is the purchase of a new RBC (Rotating Biological Cyanide) for the Waste Water Treatment Plant on Van Buren Road. The north RBC is out of commission and quotes from Walker Corporation to replace just the equipment portion is \$235,000. Including prep work of the existing NRBC station, remove roof, place NRBC in place and complete installation will easily reach \$100,000 for a grand projected total of \$335,000 to \$350,000.

Handy Township with your approval will try to complete both projects by 12/31/2024 but not later than 6/30/2025. The township would request the existing \$350,000 be split between both projects of \$175,000 each. Handy Township would be responsible for the remaining cost.

If you need me to clarify any of the details, please contact me at your earliest convenience.

Best Wishes,

Ed Alverson, Supervisor  
Handy Township

cc: Handy Township Board  
Rob Splaulding  
Doug Helzerman  
Frank Sample  
Mike Darga



Last reviewed 1/8/2024

## **Livingston County**

# **ARPA Local Fiscal Recovery Fund Project Information Form**

### **Local Fiscal Recovery Fund Resources**

- [Final Rule](#), January 2022, effective April 2022: Finalized version of the interim final rule, with amendments. Implements the Coronavirus State Fiscal Recovery Fund and the Coronavirus Local Fiscal Recovery Fund established under the American Rescue Plan Act.
- [Compliance and Reporting Guidance](#), version 4.2, updated August 2022: Guidance that reflects the Final Rule, as opposed to the Interim Final Rule (May 2021) and provides clarity on recipient's compliance and reporting responsibilities, such as statutory eligible uses and award terms and conditions.
- [Overview of the Final Rule](#), January 2022: Provides a summary of major provisions of the final rule and should be used as a simplified user guide; does not include all funding requirements.
- [Project and Expenditure Report User Guide](#), version 3.1, updated July 2022: Provides information on using the Treasury's Portal to submit SFRF Project and Expenditure Reports; supplement to the Compliance and Reporting Guidance. Guidehouse is primarily responsible for understanding this user guide, but FAQs on page 106 may be of general interest.
- [Frequently Asked Questions](#), updated July 2022: Based on final rule and offers guidance on eligible uses.

### **Definitions**

- **Project:** A project is a grouping of closely related activities that together are intended to achieve a specific goal or directed toward a common purpose. Recipients have the flexibility to define their projects in a way that provides the greatest clarity on the work which will be performed.
- **Expenditure Category:** Each project for which SLFRF funds were used should be scoped to align to a single Expenditure Category. There may be multiple projects assigned to a single Expenditure Category. Required programmatic data varies based on the project's assigned Expenditure Category.
- **Obligations:** An obligation is an order placed - such as a contract - and similar transactions that require payment (e.g., grant, loan, or other arrangement).
- **Expenditures:** An expenditure is the amount that has been incurred as a liability of the entity (the service has been rendered or the good has been delivered to the entity and payment is due)
- **Subaward:** An award provided by the Recipient to a subrecipient for the subrecipient to carry out part of a Federal award received by the Recipient. A subaward may be provided through any form of legal agreement, including an agreement that the Recipient



Last reviewed 1/8/2024  
considers a contract. For reporting purposes, subaward types include contracts, grants, loans, direct payments, or government transfers.

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**Project Name:** North Rotating Biological Contactor (RBC) Replacement-Handy Township Waste water Treatment Plant-(WWTP) Van Buren Road

**County Department or Organization Making Request:** Livingston County Drain Commissioner

**Primary Contact/Project Owner**

Name: Robert Spaulding  
Title: DPW Coordinator  
Email: rspaulding@livgov.com  
Phone: 517-546-0040

**Estimated Cost:** \$350,000

**Estimated Project Timeline**

Design/Bid Project 2024, Construction September 2024

**Implementing Entity (Department, Agency, Organization):** Handy Township/Livingston County Drain Commission

**Project Description to include impact of COVID-19, intended impact of project, and general description of services** (50-250 words) (Project leaders are encouraged to provide the County with any additional materials to describe their projects)

The Handy Township WWTP on Van Buren Road was constructed in 2005 through Act 185. The County, through its Department of Public Works (DPW) financed and constructed the project. The treatment process that is utilized at the WWTP is a Rotating Biological Contactor. Currently the north RBC is out of commission and unrepairable. The south RBC is currently the primary RBC and with the north RBC being down, there is no backup in case of failure.

**What was the harm caused by COVID to justify this project?**

Not applicable for infrastructure projects

**How does this project address the impact from COVID-19?**

Not applicable for infrastructure projects



Last reviewed 1/8/2024

**Describe who the beneficiaries of this project are perceived to be.**

This WWTP primarily services the Red Cedar Crossing Subdivision in Handy Township which consists of 412 homes and represents approximately 18 % of its population. Repair of the north RBC is critical in returning redundancy in the treatment process.

**Is this a new project or an expansion of an existing project? If existing, please explain the purpose of the expansion.**

This is a significant repair/improvement to a project initiated by the Township and constructed as a Livingston County DPW project.

**Describe the structure of the program (i.e. what is the flow of the funding, are there any contractors/subrecipients/beneficiaries?) (see Appendix C for information on non-Federal entities)**

Bids will be received by Handy Township for the project. Hubbell, Roth & Clark (HRC) will serve as their design and construction inspection-engineering firm. HRC has been the Township engineer for many years. Walker Corporation is a sole source provider of RBCs.

**Will this project involve capital expenses?**

Yes ☒

No ☐

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**Describe how the investment creates a lasting impact to improve economic, environmental, social and health outcomes for residents.**

This project will ensure redundancy to the WWTP while also allowing performance of regular preventive maintenance.

**Describe how this project will leverage funds from other public, private, and non-profit sources (if applicable).**

Requested ARPA funds are to provide \$175,000 of the project costs. The balance of the project (current estimate:\$350,000) will be paid by the Township.

**Describe the financial sustainability plan for the years beyond County funding (if applicable).**

Any O & M costs associated with the new north RBC will be the responsibility of the Township



Last reviewed 1/8/2024

## Accountability Measures

**What are the performance indicators (inputs, outputs, and outcomes) that the project would track to measure impact?**

The ability to have redundancy should either the north or south RBC fail, share rotational usage or require preventative maintenance

**Describe the internal controls (e.g., process documentation, procurement) that will be used to ensure use of funds is consistent with SLFRF guidance. Who will be responsible for data collection, compliance, and reporting for this project?**

Pay requests will be prepared by HRC and reviewed by Livingston County Drain Commissioner staff and Handy Township prior to authorizing payment

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For projects addressing negative economic impacts and serving impacted or disproportionately impacted communities, as defined in the Final Rule **(see Appendices A and B)**.

Does the project target any populations, demographics, and/or geographic regions presumed to be *impacted* by COVID-19?

Not applicable for infrastructure projects

- (a) Would the eligibility requirements for the program or service be such that the primary intended beneficiaries' income is (1) at or below 300 percent of the Federal Poverty Guidelines, or (2) at or below 65 percent of the AMI for Livingston County?

Not applicable for infrastructure projects

- (b) Does the project target individuals eligible for any of the qualifying federal programs listed in Appendix B, number 2?

Not applicable for infrastructure projects

Does the project target any populations, demographics, and/or geographic regions presumed to be **disproportionately impacted** by COVID-19?

*Enter Answer to the Above Question Here*

- (c) Would the eligibility requirements for the program or service be such that the primary intended beneficiaries' income is (1) at or below 185 percent of the Federal Poverty Guidelines, or (2) at or below 40 percent of the AMI for Livingston County?



Last reviewed 1/8/2024

Not applicable for infrastructure projects

- (d) Does the project target individuals eligible for any of the qualifying federal programs listed in Appendix C, number 2?

Not applicable for infrastructure projects

## Appendix A: Guidelines for Identifying *Impacted* Households or Communities

Based on the SLFRF Final Rule, recipients may presume that an individual, household, or community was impacted by the pandemic and eligible for the associated services enumerated in the rule if any of the following criteria are met:

1. The primary intended beneficiaries’ income<sup>1</sup> is at or below 65 percent of Livingston County’s Area Median Income or at or below 300 percent of the Federal Poverty Guidelines.<sup>2</sup>

Size of household	Moderate income		
	65% AMI	300% FPG	Threshold
1	45,435	38,640	38,640
2	51,935	52,260	52,260
3	58,435	65,880	65,880
4	64,870	79,500	79,500
5	70,070	93,120	93,120
6	75,270	106,740	106,740
7	80,470	120,360	120,360
8	85,670	133,980	133,980

2. The primary intended beneficiaries are eligible for any of the following federal programs:

<sup>1</sup> “Recipients can measure income for a specific household or the median income for the community, depending on whether the response they plan to provide serves specific households or the general community. The income thresholds vary by household size; recipients should generally use income thresholds for the appropriate household size but can use a default household size of three when easier for administration or when measuring income for a general community.” Overview of the Final Rule, p. 17. <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>

<sup>2</sup> Thresholds from the U.S. Treasury’s Tool for Determining Low and Moderate Income (LMI) Households. Last updated February 2022. <https://home.treasury.gov/system/files/136/SLFRF-LMI-tool.xlsx>



Last reviewed 1/8/2024

- a. Children's Health Insurance Program (CHIP)
- b. Childcare Subsidies through the Child Care and Development Fund (CCDF) Program
- c. Medicaid
- d. National Housing Trust Fund (HTF), for affordable housing programs only
- e. Home Investment Partnerships Program (HOME), for affordable housing programs only



Last reviewed 1/8/2024





Last reviewed 1/8/2024

## Appendix B: Guidelines for Identifying *Disproportionately Impacted* Households or Communities

Based on the SLFRF Final Rule, recipients may presume that an individual, household, or community was disproportionately impacted by the pandemic and eligible for the associated services enumerated in the rule if any of the following criteria are met:

1. The primary intended beneficiaries' income<sup>3</sup> is at or below 40 percent of Livingston County's Area Median Income or at or below 185 percent of the Federal Poverty Guidelines.<sup>4</sup>

2. The	Size of household	Low income			primary intended beneficiaries eligible for the following federal programs:
		40% AMI	185% FPG	Threshold	
are any of	1	27,960	23,828	27,960	
	2	31,960	32,227	32,227	
	3	35,960	40,626	40,626	
	4	39,920	49,025	49,025	
	5	43,120	57,424	57,424	
	6	46,320	65,823	65,823	
	7	49,520	74,222	74,222	
	8	52,720	82,621	82,621	

- a. Temporary Assistance for Needy Families (TANF)
- b. Supplemental Nutrition Assistance Program (SNAP)
- c. Free and Reduced-Price Lunch (NSLP) and/or School Breakfast (SBP) programs
- d. Medicare Part D Low-income Subsidies Supplemental Security Income (SSI)
- e. Subsidies Supplemental Security Income (SSI)
- f. Head Start and/or Early Head Start
- g. Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)
- h. Section 8 Vouchers
- i. Low-Income Home Energy Assistance Program (LIHEAP)
- j. Pell Grants

3. The primary intended beneficiaries live in a Qualified Census Tract (QCT) (Low-Income Housing Tax Credit Qualified Census Tracts must have 50 percent of households with incomes below 60 percent of the Area Median Gross Income (AMGI) or have a poverty

<sup>3</sup> "Recipients can measure income for a specific household or the median income for the community, depending on whether the response they plan to provide serves specific households or the general community. The income thresholds vary by household size; recipients should generally use income thresholds for the appropriate household size but can use a default household size of three when easier for administration or when measuring income for a general community." Overview of the Final Rule, p. 19. <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>

<sup>4</sup> Thresholds from the U.S. Treasury's Tool for Determining Low and Moderate Income (LMI) Households. Last updated February 2022. <https://home.treasury.gov/system/files/136/SLFRF-LMI-tool.xlsx>



Last reviewed 1/8/2024

rate of 25 percent or more.) **Note – there are no QCTs in Livingston County, MI**  
(<https://www.huduser.gov/portal/datasets/qct.html#2022>)



Last reviewed 1/8/2024

## Appendix C: Non-Federal Entities

The Local Fiscal Recovery Funds are subject to 2 C.F.R. Part 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (“Uniform Guidance”). Uniform Guidance provide recipients of federal grants a set of standards related to procurement, internal controls, subrecipient monitoring, auditing practices, and more.

A key part of compliance with Uniform Guidance is subrecipient monitoring. As part of administering SLFRF, it is critical that non-Federal entities<sup>5</sup> are properly identified. Appropriate classification is important as it impacts procurement and subrecipient monitoring requirements. If you are unsure of a non-Federal entity’s classification, please contact Guidehouse for additional resources.

In determining whether an agreement between the County and a non-Federal entity casts the latter as a subrecipient, contractor, or beneficiary, the substance of the relationship is more important than the form of the agreement. *All of the characteristics listed below may not be present in all cases, and the County must use judgment in classifying each agreement as a subaward or a procurement contract.*

The three classifications of recipients are as follows:

**Subrecipient:** A subaward for the purpose of carrying out a portion of a Federal award and creates a Federal assistance relationship. Characteristics include:

- (1) Determines who is eligible to receive Federal assistance;
- (2) Has its performance measured in relation to whether objectives of a federal program were met;
- (3) Has responsibility of programmatic decision-making;
- (4) Is responsible for adherence to applicable Federal program requirements specified in the Federal award; **and**
- (5) In accordance with its agreement, the Federal funds use to carry out a program for a public purpose specified in authorizing statute, as opposed to providing goods or services for the benefit of the [County].<sup>6</sup>

**Contractor:** A contract is for the purpose of obtaining goods and service for the non-Federal entity’s own use and creates a procurement relationship. Characteristics include:

- (1) Provides the goods and services within normal business operations;
  - (2) Provides similar goods or services to many different purchasers;
  - (3) Normally operates in a competitive environment;
  - (4) Provides goods or services that are ancillary to the operation of the Federal program;
- and**

<sup>5</sup> Note: Non-Federal entity refers to subrecipients, contractors, and beneficiaries. Final Rule generally refers to anyone receiving a payment from the County as a “subrecipient.” In the Public Health and Economic Impacts sections, the Final Rule does identify eligible beneficiaries as part of the distinctions between the general public, impacted, and disproportionately impacted. In the reporting guidance and reports, all non-Federal entities are jointly referred to as “subrecipients.”

<sup>6</sup> <https://www.law.cornell.edu/cfr/text/2/200.331>



Last reviewed 1/8/2024

- (5) Is not subject to compliance requirements of the Federal program as a result of the agreement, though similar requirements may apply for other reasons.<sup>7</sup>

**Beneficiaries:** Households, small businesses, or nonprofits that receive assistance based on impacts of the pandemic that they experienced.<sup>8</sup> Beneficiaries are not subject to audit pursuant to the Single Audit Act and 2 C.F.R. Part 200, Subpart F.

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<sup>7</sup> <https://www.law.cornell.edu/cfr/text/2/200.331>

<sup>8</sup> <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>



Last reviewed 1/8/2024

## Appendix D: Capital Expenditures

The Local Fiscal Recovery Funds are subject to 2 C.F.R. Part 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (“Uniform Guidance”). Uniform Guidance provide recipients of federal grants a set of standards related to procurement, internal controls, subrecipient monitoring, auditing practices, and more.

The SLFRF Final Rule adopts several definitions from the Uniform Guidance including for capital expenditures, capital assets, equipment, and supplies. These definitions are noted below:<sup>9</sup>

- **Capital expenditure:** Expenditure to acquire capital assets or to make additions, improvements, modifications, replacements, rearrangements, reinstallations, renovations, or alterations to capital assets that materially increase their value or useful life
- **Capital asset:** Tangible or intangible assets used in operations having a useful life of more than one year which are capitalized in accordance with Generally Accepted Accounting Principles (GAAP); includes lands, facilities, equipment, and intellectual property
- **Equipment:** Tangible personal property (including information technology systems) having a useful life of more than one year and a per-unit acquisition cost which equals or exceeds the lesser of the capitalization level established by the non-Federal entity for financial statement purposes, or \$5,000

*Supplies, meaning all tangible personal property other than those included as “equipment,” are not considered capital expenditures.*

Recipients may also use SLFRF funds for pre-project development costs that are tied to or reasonably expected to lead to an eligible capital expenditure. For example, pre-project costs associated with planning and engineering for an eligible project are considered an eligible use of funds.

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<sup>9</sup> <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule.pdf>



Last reviewed 1/8/2024

## **Livingston County**

# **ARPA Local Fiscal Recovery Fund Project Information Form**

### **Local Fiscal Recovery Fund Resources**

- [Final Rule](#), January 2022, effective April 2022: Finalized version of the interim final rule, with amendments. Implements the Coronavirus State Fiscal Recovery Fund and the Coronavirus Local Fiscal Recovery Fund established under the American Rescue Plan Act.
- [Compliance and Reporting Guidance](#), version 4.2, updated August 2022: Guidance that reflects the Final Rule, as opposed to the Interim Final Rule (May 2021) and provides clarity on recipient's compliance and reporting responsibilities, such as statutory eligible uses and award terms and conditions.
- [Overview of the Final Rule](#), January 2022: Provides a summary of major provisions of the final rule and should be used as a simplified user guide; does not include all funding requirements.
- [Project and Expenditure Report User Guide](#), version 3.1, updated July 2022: Provides information on using the Treasury's Portal to submit SFRF Project and Expenditure Reports; supplement to the Compliance and Reporting Guidance. Guidehouse is primarily responsible for understanding this user guide, but FAQs on page 106 may be of general interest.
- [Frequently Asked Questions](#), updated July 2022: Based on final rule and offers guidance on eligible uses.

### **Definitions**

- **Project:** A project is a grouping of closely related activities that together are intended to achieve a specific goal or directed toward a common purpose. Recipients have the flexibility to define their projects in a way that provides the greatest clarity on the work which will be performed.
- **Expenditure Category:** Each project for which SLFRF funds were used should be scoped to align to a single Expenditure Category. There may be multiple projects assigned to a single Expenditure Category. Required programmatic data varies based on the project's assigned Expenditure Category.
- **Obligations:** An obligation is an order placed - such as a contract - and similar transactions that require payment (e.g., grant, loan, or other arrangement).
- **Expenditures:** An expenditure is the amount that has been incurred as a liability of the entity (the service has been rendered or the good has been delivered to the entity and payment is due)
- **Subaward:** An award provided by the Recipient to a subrecipient for the subrecipient to carry out part of a Federal award received by the Recipient. A subaward may be provided through any form of legal agreement, including an agreement that the Recipient



Last reviewed 1/8/2024  
considers a contract. For reporting purposes, subaward types include contracts, grants, loans, direct payments, or government transfers.

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**Project Name:** Silver Springs Subdivision Water Booster Pump Station

**County Department or Organization Making Request:**

Livingston County Drain Commissioner

**Primary Contact/Project Owner**

Name: Robert Spaulding  
Title: DPW Coordinator  
Email: rspaulding@livgov.com  
Phone: 517-546-0040

**Estimated Cost:** \$350,000-400,000

**Estimated Project Timeline**

Design/Bid Project 2024, Construction Fall 2024/Early 2025

**Implementing Entity (Department, Agency, Organization):**

Handy Township/Livingston County Drain Commission

**Project Description to include impact of COVID-19, intended impact of project, and general description of services** (50-250 words) (Project leaders are encouraged to provide the County with any additional materials to describe their projects)

Village of Fowlerville supplies water to this Handy Township subdivision. Project was started in 2005 and property was purchased by Handy Township at the tax sale. Residents experienced low water pressure early on. After the Township’s engineer looked into it, it was determined to be a design issue and the steep incline of the road (Majestic) into the project from N. Fowlerville was the cause of the lowered pressure. The contractual agreement by the Village has been met to supply water, the pressure issue is a Handy Township issue. The solution is to provide a booster pump station in the subdivision to increase water pressure. Township wants to correct the water pressure issues to the existing fifty-one homes and solve the issue for future homes.

**What was the harm caused by COVID to justify this project?**

Not applicable for infrastructure projects

**How does this project address the impact from COVID-19?**





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Not applicable for infrastructure projects

**Describe who the beneficiaries of this project are perceived to be.**

Property owners in the Silver Springs development. According to the 2020 census data this would represent approximately 130-140 residents which is .17% of the 2020 Handy Township population (2020 Census data; 8616 residents in Handy Township)

**Is this a new project or an expansion of an existing project? If existing, please explain the purpose of the expansion.**

This is a correction to an existing project initiated by the Township constructed by a private developer.

**Describe the structure of the program (i.e. what is the flow of the funding, are there any contractors/subrecipients/beneficiaries?) (see Appendix C for information on non-Federal entities)**

Bids will be received by Handy Township for the project. Hubbell, Roth & Clark (HRC) will serve as their design and construction inspection-engineering firm. HRC has been the Township engineer for many years

**Will this project involve capital expenses?**

Yes ☒

No ☐

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**Describe how the investment creates a lasting impact to improve economic, environmental, social and health outcomes for residents.**

This project will ensure adequate water pressure for the existing and future homes in this development as well as connecting ones in the future. In addition to the economic improvements that residential homes provide a community, adequate water pressure is imperative for safe drinking water.

**Describe how this project will leverage funds from other public, private, and non-profit sources (if applicable).**

Requested ARPA funds are to provide \$175,000 of the project costs. The balance of the project (current estimate:\$350,000-400,000) will be paid by the Township.

**Describe the financial sustainability plan for the years beyond County funding (if applicable).**



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Any O & M costs associated with the water booster pump station will be the responsibility of the Township

## Accountability Measures

**What are the performance indicators (inputs, outputs, and outcomes) that the project would track to measure impact?**

The necessary water pressure will be provided to ensure safe drinking water to the residents. HRC will perform inspection services during construction

**Describe the internal controls (e.g., process documentation, procurement) that will be used to ensure use of funds is consistent with SLFRF guidance. Who will be responsible for data collection, compliance, and reporting for this project?**

Pay requests will be prepared by HRC and reviewed by Livingston County Drain Commissioner staff and Handy Township prior to authorizing payment

For projects addressing negative economic impacts and serving impacted or disproportionately impacted communities, as defined in the Final Rule **(see Appendices A and B)**.

Does the project target any populations, demographics, and/or geographic regions presumed to be *impacted* by COVID-19?

Not applicable for infrastructure projects

- (a) Would the eligibility requirements for the program or service be such that the primary intended beneficiaries' income is (1) at or below 300 percent of the Federal Poverty Guidelines, or (2) at or below 65 percent of the AMI for Livingston County?

Not applicable for infrastructure projects

- (b) Does the project target individuals eligible for any of the qualifying federal programs listed in Appendix B, number 2?

Not applicable for infrastructure projects

Does the project target any populations, demographics, and/or geographic regions presumed to be **disproportionately impacted** by COVID-19?

*Enter Answer to the Above Question Here*



Last reviewed 1/8/2024

- (c) Would the eligibility requirements for the program or service be such that the primary intended beneficiaries' income is (1) at or below 185 percent of the Federal Poverty Guidelines, or (2) at or below 40 percent of the AMI for Livingston County?

Not applicable for infrastructure projects

- (d) Does the project target individuals eligible for any of the qualifying federal programs listed in Appendix C, number 2?

Not applicable for infrastructure projects

## Appendix A: Guidelines for Identifying *Impacted* Households or Communities

Based on the SLFRF Final Rule, recipients may presume that an individual, household, or community was impacted by the pandemic and eligible for the associated services enumerated in the rule if any of the following criteria are met:

1. The primary intended beneficiaries' income<sup>1</sup> is at or below 65 percent of Livingston County's Area Median Income or at or below 300 percent of the Federal Poverty Guidelines.<sup>2</sup>

Size of household	Moderate income		
	65% AMI	300% FPG	Threshold
1	45,435	38,640	38,640
2	51,935	52,260	52,260
3	58,435	65,880	65,880
4	64,870	79,500	79,500
5	70,070	93,120	93,120
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7	80,470	120,360	120,360
8	85,670	133,980	133,980

<sup>1</sup> "Recipients can measure income for a specific household or the median income for the community, depending on whether the response they plan to provide serves specific households or the general community. The income thresholds vary by household size; recipients should generally use income thresholds for the appropriate household size but can use a default household size of three when easier for administration or when measuring income for a general community." Overview of the Final Rule, p. 17. <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>

<sup>2</sup> Thresholds from the U.S. Treasury's Tool for Determining Low and Moderate Income (LMI) Households. Last updated February 2022. <https://home.treasury.gov/system/files/136/SLFRF-LMI-tool.xlsx>



Last reviewed 1/8/2024

2. The primary intended beneficiaries are eligible for any of the following federal programs:
  - a. Children's Health Insurance Program (CHIP)
  - b. Childcare Subsidies through the Child Care and Development Fund (CCDF) Program
  - c. Medicaid
  - d. National Housing Trust Fund (HTF), for affordable housing programs only
  - e. Home Investment Partnerships Program (HOME), for affordable housing programs only

Last reviewed 1/8/2024





Last reviewed 1/8/2024

## Appendix B: Guidelines for Identifying *Disproportionately Impacted* Households or Communities

Based on the SLFRF Final Rule, recipients may presume that an individual, household, or community was disproportionately impacted by the pandemic and eligible for the associated services enumerated in the rule if any of the following criteria are met:

1. The primary intended beneficiaries' income<sup>3</sup> is at or below 40 percent of Livingston County's Area Median Income or at or below 185 percent of the Federal Poverty Guidelines.<sup>4</sup>

2. The	Size of household	Low income			primary intended beneficiaries eligible for the following federal programs:
		40% AMI	185% FPG	Threshold	
are any of	1	27,960	23,828	27,960	
	2	31,960	32,227	32,227	
	3	35,960	40,626	40,626	
	4	39,920	49,025	49,025	
	5	43,120	57,424	57,424	
	6	46,320	65,823	65,823	
	7	49,520	74,222	74,222	
	8	52,720	82,621	82,621	

- a. Temporary Assistance for Needy Families (TANF)
- b. Supplemental Nutrition Assistance Program (SNAP)
- c. Free and Reduced-Price Lunch (NSLP) and/or School Breakfast (SBP) programs
- d. Medicare Part D Low-income Subsidies Supplemental Security Income (SSI)
- e. Subsidies Supplemental Security Income (SSI)
- f. Head Start and/or Early Head Start
- g. Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)
- h. Section 8 Vouchers
- i. Low-Income Home Energy Assistance Program (LIHEAP)
- j. Pell Grants

3. The primary intended beneficiaries live in a Qualified Census Tract (QCT) (Low-Income Housing Tax Credit Qualified Census Tracts must have 50 percent of households with incomes below 60 percent of the Area Median Gross Income (AMGI) or have a poverty

<sup>3</sup> "Recipients can measure income for a specific household or the median income for the community, depending on whether the response they plan to provide serves specific households or the general community. The income thresholds vary by household size; recipients should generally use income thresholds for the appropriate household size but can use a default household size of three when easier for administration or when measuring income for a general community." Overview of the Final Rule, p. 19. <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>

<sup>4</sup> Thresholds from the U.S. Treasury's Tool for Determining Low and Moderate Income (LMI) Households. Last updated February 2022. <https://home.treasury.gov/system/files/136/SLFRF-LMI-tool.xlsx>



Last reviewed 1/8/2024

rate of 25 percent or more.) **Note – there are no QCTs in Livingston County, MI**  
(<https://www.huduser.gov/portal/datasets/qct.html#2022>)



Last reviewed 1/8/2024

## Appendix C: Non-Federal Entities

The Local Fiscal Recovery Funds are subject to 2 C.F.R. Part 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (“Uniform Guidance”). Uniform Guidance provide recipients of federal grants a set of standards related to procurement, internal controls, subrecipient monitoring, auditing practices, and more.

A key part of compliance with Uniform Guidance is subrecipient monitoring. As part of administering SLFRF, it is critical that non-Federal entities<sup>5</sup> are properly identified. Appropriate classification is important as it impacts procurement and subrecipient monitoring requirements. If you are unsure of a non-Federal entity’s classification, please contact Guidehouse for additional resources.

In determining whether an agreement between the County and a non-Federal entity casts the latter as a subrecipient, contractor, or beneficiary, the substance of the relationship is more important than the form of the agreement. *All of the characteristics listed below may not be present in all cases, and the County must use judgment in classifying each agreement as a subaward or a procurement contract.*

The three classifications of recipients are as follows:

**Subrecipient:** A subaward for the purpose of carrying out a portion of a Federal award and creates a Federal assistance relationship. Characteristics include:

- (1) Determines who is eligible to receive Federal assistance;
- (2) Has its performance measured in relation to whether objectives of a federal program were met;
- (3) Has responsibility of programmatic decision-making;
- (4) Is responsible for adherence to applicable Federal program requirements specified in the Federal award; **and**
- (5) In accordance with its agreement, the Federal funds use to carry out a program for a public purpose specified in authorizing statute, as opposed to providing goods or services for the benefit of the [County].<sup>6</sup>

**Contractor:** A contract is for the purpose of obtaining goods and service for the non-Federal entity’s own use and creates a procurement relationship. Characteristics include:

- (1) Provides the goods and services within normal business operations;
  - (2) Provides similar goods or services to many different purchasers;
  - (3) Normally operates in a competitive environment;
  - (4) Provides goods or services that are ancillary to the operation of the Federal program;
- and**

<sup>5</sup> Note: Non-Federal entity refers to subrecipients, contractors, and beneficiaries. Final Rule generally refers to anyone receiving a payment from the County as a “subrecipient.” In the Public Health and Economic Impacts sections, the Final Rule does identify eligible beneficiaries as part of the distinctions between the general public, impacted, and disproportionately impacted. In the reporting guidance and reports, all non-Federal entities are jointly referred to as “subrecipients.”

<sup>6</sup> <https://www.law.cornell.edu/cfr/text/2/200.331>





Last reviewed 1/8/2024

- (5) Is not subject to compliance requirements of the Federal program as a result of the agreement, though similar requirements may apply for other reasons.<sup>7</sup>

**Beneficiaries:** Households, small businesses, or nonprofits that receive assistance based on impacts of the pandemic that they experienced.<sup>8</sup> Beneficiaries are not subject to audit pursuant to the Single Audit Act and 2 C.F.R. Part 200, Subpart F.

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<sup>7</sup> <https://www.law.cornell.edu/cfr/text/2/200.331>

<sup>8</sup> <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule-Overview.pdf>



Last reviewed 1/8/2024

## Appendix D: Capital Expenditures

The Local Fiscal Recovery Funds are subject to 2 C.F.R. Part 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (“Uniform Guidance”). Uniform Guidance provide recipients of federal grants a set of standards related to procurement, internal controls, subrecipient monitoring, auditing practices, and more.

The SLFRF Final Rule adopts several definitions from the Uniform Guidance including for capital expenditures, capital assets, equipment, and supplies. These definitions are noted below:<sup>9</sup>

- **Capital expenditure:** Expenditure to acquire capital assets or to make additions, improvements, modifications, replacements, rearrangements, reinstallations, renovations, or alterations to capital assets that materially increase their value or useful life
- **Capital asset:** Tangible or intangible assets used in operations having a useful life of more than one year which are capitalized in accordance with Generally Accepted Accounting Principles (GAAP); includes lands, facilities, equipment, and intellectual property
- **Equipment:** Tangible personal property (including information technology systems) having a useful life of more than one year and a per-unit acquisition cost which equals or exceeds the lesser of the capitalization level established by the non-Federal entity for financial statement purposes, or \$5,000

*Supplies, meaning all tangible personal property other than those included as “equipment,” are not considered capital expenditures.*

Recipients may also use SLFRF funds for pre-project development costs that are tied to or reasonably expected to lead to an eligible capital expenditure. For example, pre-project costs associated with planning and engineering for an eligible project are considered an eligible use of funds.

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<sup>9</sup> <https://home.treasury.gov/system/files/136/SLFRF-Final-Rule.pdf>

**RESOLUTION**

**NO:** [Title]

**LIVINGSTON COUNTY**

**DATE:** Click or tap to enter a date.

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**Resolution Authorizing Improvements to the Sharp Drain from General Fund Vision Tour Funding – Drain Commissioner**

**WHEREAS,** Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding of which a total of \$6,175,870 was identified for the Drain Commissioner’s Office for water infrastructure projects; and

**WHEREAS,** Resolution 2022-12-192 implemented the strategic use of American Rescue Plan Act (ARPA) funds and associated Vision Tour funds for continued investigation, strategic direction, allocation, and use of funds; and

**WHEREAS,** the Drain Commissioner’s Office is requesting \$77,500 of General Fund Vision Tour funds to address flooding issues on the Sharp Drain, a project which was petitioned by Conway Township property owners in 2023; and

**WHEREAS,** the Drain Commissioner’s Office has retained GEI & Associates (GEI) to review our design for the project; and

**WHEREAS,** the Drain Commissioners office will be using county forces to construct the project, based on unit prices received on comparable projects.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby authorizes the amount of \$77,500 of General Fund Committed Vision Tour fund balance for water infrastructure improvements addressing flooding issues, to be allocated for the Sharp Drain Drainage District.

**BE IT FURTHER RESOLVED** that, Pursuant to the of the Michigan Drain Code, the Drain Commissioner is authorized to sign all forms, assurances, contracts/agreements, and future amendments with contract language adjustments related to above upon review and/or preparation by Drain District Counsel.

**BE IT FURTHER RESOLVED** that the Board of Commissioners authorizes any budget amendments, journal entries, and transfers between funds as needed to effectuate this project.

**BE IT FURTHER RESOLVED** that from the date of approval of this resolution until the project is completed, as outlined in Resolution 2022-12-192, the Livingston County Drain Commissioner shall provide a written update on the status of the project every three (3) months and shall present, in person, to the Finance and Asset Management Committee every six (6) months until the project is complete.

# # #

**MOVED:**  
**SECONDED:**  
**CARRIED:**



2300 E. Grand River Ave., Suite 105, Howell, MI 48843

Phone 517-545-9609 Fax 517-545-9658

Web Site: <https://www.livgov.com/dpw/Pages/default.aspx>

## Memorandum

To: Livingston County Board of Commissioners

From: Ken Recker, Chief Deputy Drain Commissioner

Date: April 30, 2024

Re: Resolution Authorizing Improvements to the Sharp Drain and From General Fund Vision Tour Funds  
Resolution Authorizing Improvements to the Fowlerville Village Drain and From General Fund Vision Tour Funds  
Resolution Authorizing Improvements to the Brighton No. 4 Drain and From General Fund Vision Tour Funds  
Resolution Authorizing Improvements to the Rossington Drain and From General Fund Vision Tour Funds

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Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding. Each of the four aforementioned projects were identified for potential projects in this resolution. Attached to each resolution is a map of the special assessment district for the Drain, and a summary of pertinent/available data pertaining to each project. These projects were originally prepared for ARPA resolutions in early April, however at the direction of Commissioner Fiani these requests are to access Vision Tour funds. A brief summary of each project is provided below:

### Sharp Drain

This drain which was established for farming purposes prior to World War I has not been improved since land splits converted the area to use exclusively for residential purposes in the late 1980's/early 1990's. In meetings with Conway Township officials regarding potential uses of ARPA funds within their community, this drainage system was identified as the highest priority of the 39 established county drains within Conway Township. The intent of the design (see attached plan and profile of the improvements) is to upgrade the collection system to be capable of conveying the 50% chance storm event. We anticipate construction of the improvements this summer.

#### Fowlerville Village Drain

This drain was established to serve a portion of the Village of Fowlerville, north of Grand River Avenue and East of Grand Avenue, in 1918. It was subsequently improved with the establishment of the Fowlerville Village No. 2 Drain in 1935, though the original infrastructure from the 1918 project remained in place until recently. Improvements to North and South Street within Village limits were the impetus for the project. LCDC forces completed improvements to the drain between North and South Street (approximately a \$26,000 expense) following receipt of the 2020 petition. Remaining work to be done on this petition is north of North Street (see attached profile for existing conditions). We anticipate this work being completed this coming winter/spring of 2025.

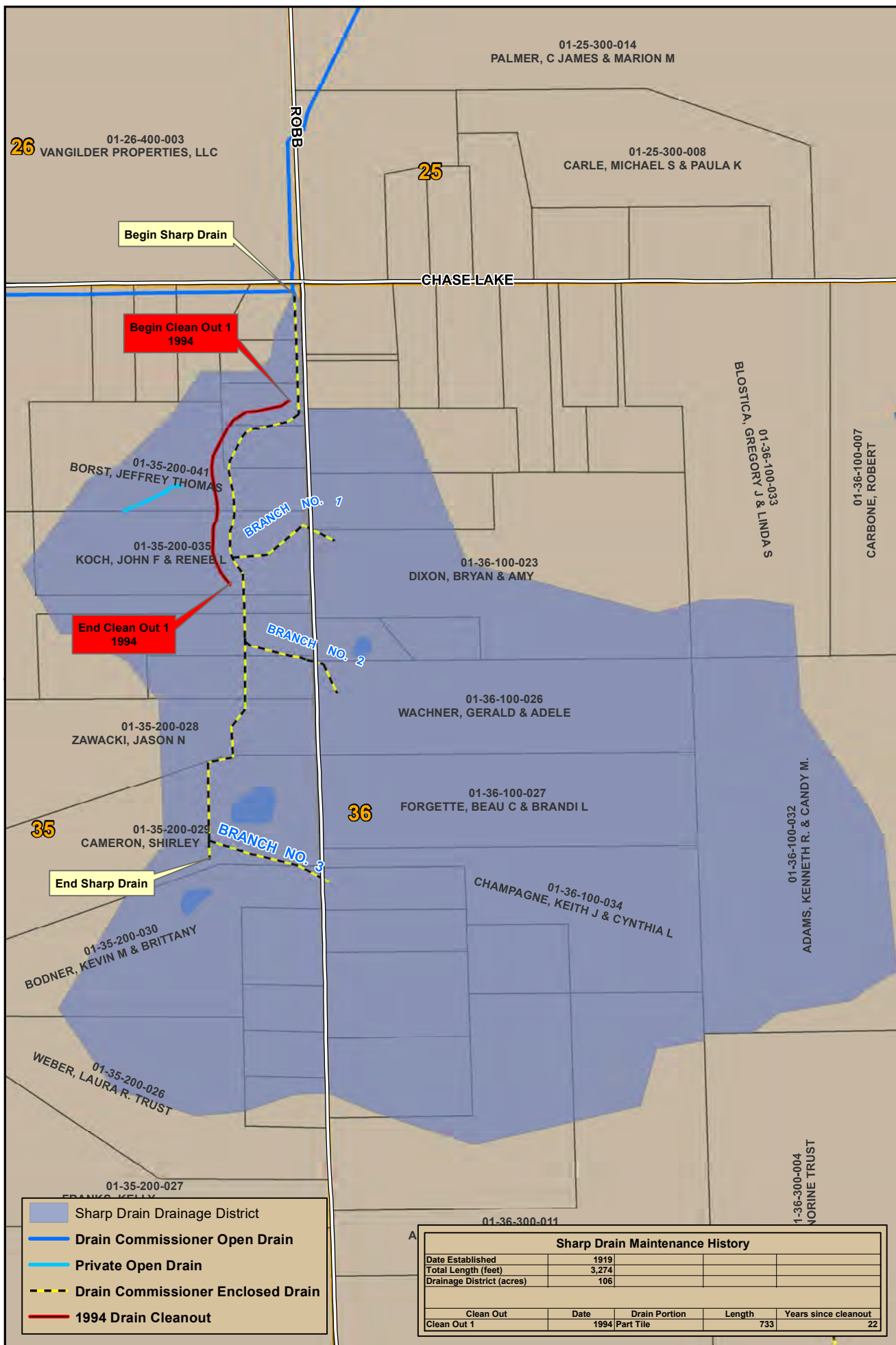
#### Brighton No. 4 Drain

This drain was established in 1944 for the purposes of providing improved farm drainage along the US-23 (now Old US-23) corridor. A small improvement done in the late 1980's was assessed through the early 1990s. However, a significant portion of the system from 1944 was left in place. Following receipt of a petition by landowners in 2019, emergency work was done in 2020 to improve capacity at the outlet and reduce home flooding. The remainder of the work to be done pursuant to this petition (preliminary plans are attached) will have the capability to convey approximately the 10% chance storm event, compared to the current system upstream of Newfound Gap being capable of conveying the approximately 50% chance storm event. We anticipate bidding out this project this fall, with contracted construction to occur this coming winter/spring of 2025.

#### Rossington Drain

This drain was established in 1919 and improved in 1991 across what is now the Spencer J. Hardy Airport. A significant rain event in August of 2021, that inundated areas west of Howell, resulted in flooding along the Rossington Drain, in the area where the drain crosses Grand River Avenue, immediately to the south of the Airport. Howell Township petitioned our office for improvements to the drain to address the flooding, and we are working with the Airport towards putting an easement in place on the south side of the airport property, where constructed improvements will help mitigate future flooding. We also plan improvements to the airport stormwater pumping station as part of this project. Pending agreements with the airport and the Michigan Department of Transportation Aeronautics Division, we anticipate this work being completed later in 2025.

Thank you for your consideration of the aforementioned resolutions. If you have any questions regarding this matter, please contact me.







Livingston County Drain Commissioner  
2300 E. Grand River  
Howell, MI 48843  
Orthophoto Flown 2020  
Printed November 20, 2023

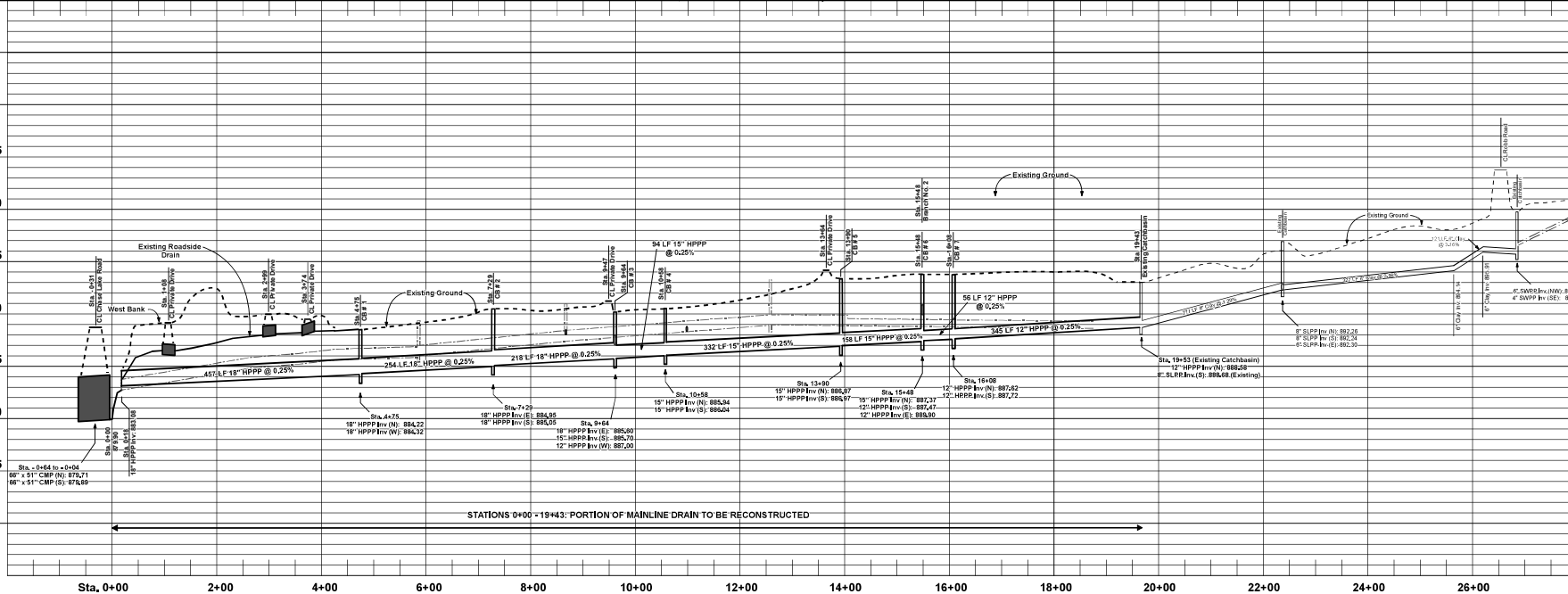
### Sharp Drain



1 inch = 100 feet

Brian Jonckheere  
Livingston County Drain Commissioner  
2300 E Grand River  
Howell, MI 48843  
(517) 546-0040  
Fax: (517) 545-9668

### SHARP DRAIN PROPOSED RELOCATED MAIN LINE









**RESOLUTION**

**NO:** [Title]

**LIVINGSTON COUNTY**

**DATE:** Click or tap to enter a date.

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**Resolution Authorizing Improvements to the Fowlerville Village Drain from General Fund Vision Tour Funding – Drain Commissioner**

**WHEREAS,** Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding of which a total of \$6,175,870 was identified for the Drain Commissioner’s Office for water infrastructure projects; and

**WHEREAS,** Resolution 2022-12-192 implemented the strategic use of American Rescue Plan Act (ARPA) funds and associated Vision Tour funds for continued investigation, strategic direction, allocation, and use of funds; and

**WHEREAS,** the Drain Commissioner’s Office is requesting \$15,000 of General Fund Vision Tour funds to address flooding issues on the Fowlerville Village Drain, a project which was petitioned by the Village of Fowlerville in 2020; and

**WHEREAS,** the Drain Commissioner’s Office has retained GEI & Associates (GEI) to design the improvements and bid the project.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby authorizes the amount of \$15,000 of General Fund Committed Vision Tour fund balance for water infrastructure improvements addressing flooding issues for the Fowlerville Village Drain Drainage District.

**BE IT FURTHER RESOLVED** that, Pursuant to the of the Michigan Drain Code, the Drain Commissioner is authorized to sign all forms, assurances, contracts/agreements, and future amendments with contract language adjustments related to above upon review and/or preparation by Drain District Counsel.

**BE IT FURTHER RESOLVED** that the Board of Commissioners authorizes any budget amendments, journal entries, and transfer between funds as needed to effectuate this project.

**BE IT FURTHER RESOLVED** that from the date of approval of this resolution until the project is completed, as outlined in Resolution 2022-12-192, the Livingston County Drain Commissioner shall provide a written update on the status of the project every three (3) months and shall present, in person, to the Finance and Asset Management Committee every six (6) months until the project is complete.

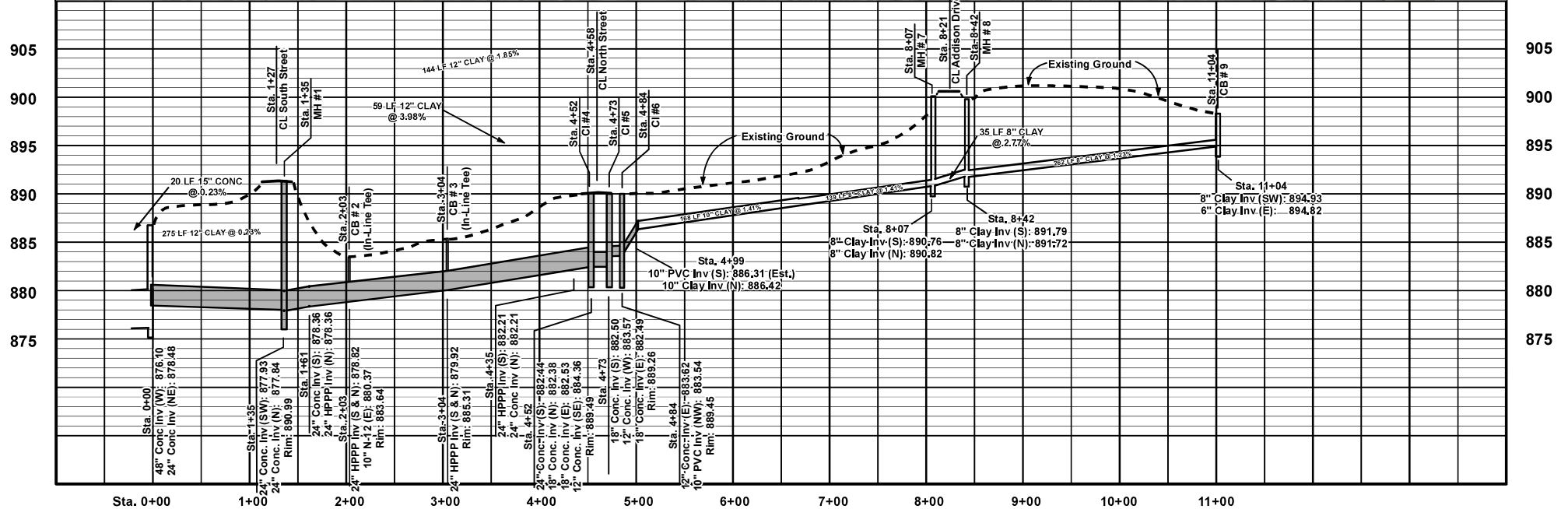
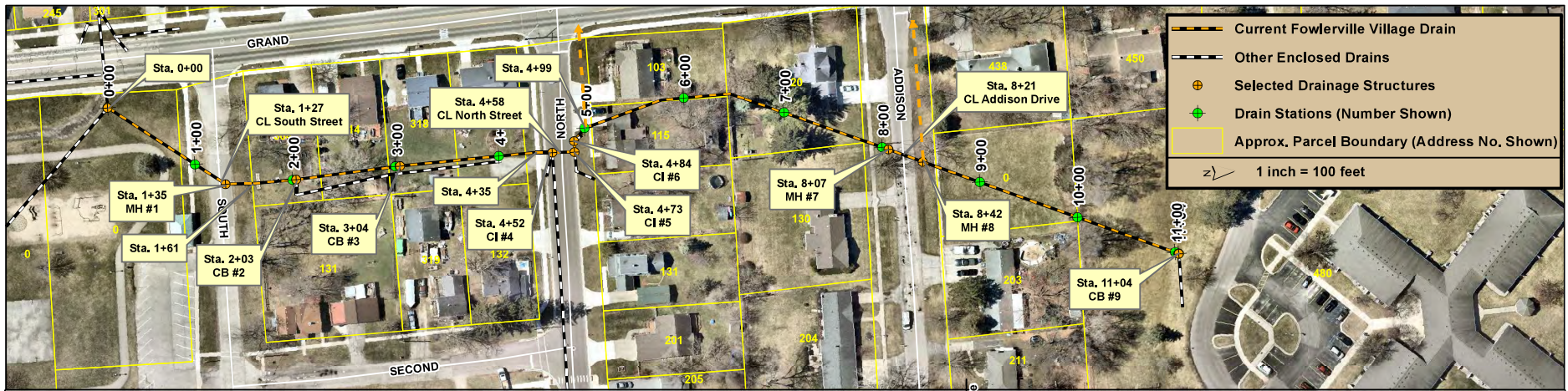
# # #

**MOVED:  
SECONDED:  
CARRIED:**









Livingston County Drain Commissioner  
 2300 E Grand River  
 Howell, MI. 48843

Ortho Flown: 2023  
 Printed: September 27, 2023

## Fowlerville Village Drain

			SCALE: HORIZ: 1" = 100'	
			VERT: 1" = 10'	
			DATE:	9-27-2023
			SHEET NO.	1 of 1
NO	BY	CK	REVISION	DATE

RESOLUTION

NO: [Title]

LIVINGSTON COUNTY

DATE: Click or tap to enter a date.

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**Resolution Authorizing Improvements to the Brighton No. 4 Drain from General Fund Vision Tour Funding – Drain Commissioner**

**WHEREAS,** Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding of which a total of \$6,175,870 was identified for the Drain Commissioner’s Office for water infrastructure projects; and

**WHEREAS,** Resolution 2022-12-192 implemented the strategic use of American Rescue Plan Act (ARPA) funds and associated Vision Tour funds for continued investigation, strategic direction, allocation, and use of funds; and

**WHEREAS,** the Drain Commissioner’s Office is requesting \$1,000,000 of General Fund Vision Tour funds to address flooding issues on the Brighton No. 4 Drain, a project which was petitioned by residents of Brighton Township in 2018; and

**WHEREAS,** the Drain Commissioner’s Office has retained GEI & Associates (GEI) to design the improvements and bid the project.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby authorizes the amount of \$1,000,000 of General Fund Committed Vision Tour fund balance for water infrastructure improvements, to be allocated for the Brighton No. 4 Drain Drainage District to address flooding issues.

**BE IT FURTHER RESOLVED** that, Pursuant to the of the Michigan Drain Code, the Drain Commissioner is authorized to sign all forms, assurances, contracts/agreements, and future amendments with contract language adjustments related to above upon review and/or preparation by Drain District Counsel.

**BE IT FURTHER RESOLVED** that the Board of Commissioners authorizes any budget amendments, journal entries, and transfers between funds as needed to effectuate this project.

**BE IT FURTHER RESOLVED** that from the date of approval of this resolution until the project is completed, as outlined in Resolution 2022-12-192, the Livingston County Drain Commissioner shall provide a written update on the status of the project every three (3) months and shall present, in person, to the Finance and Asset Management Committee every six (6) months until the project is complete.

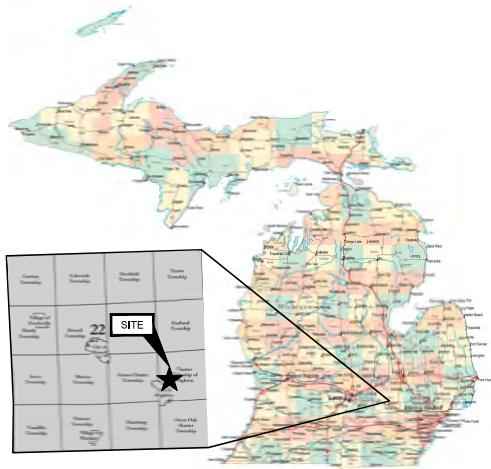
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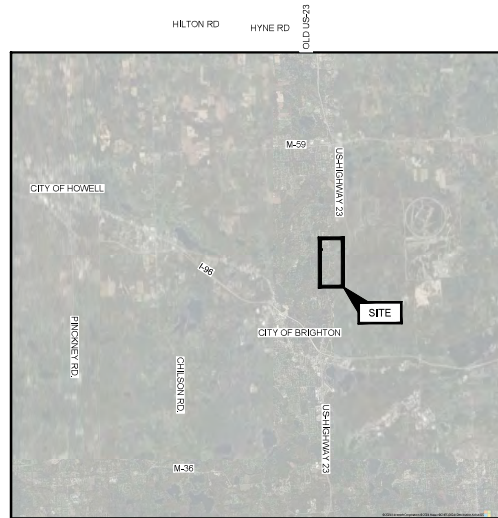
**MOVED:  
SECONDED:  
CARRIED:**

BRIAN JONCKHEERE  
LIVINGSTON COUNTY DRAIN COMMISSIONER  
**BRIGHTON NO. 4 DRAIN IMPROVEMENTS**  
PART OF SECTIONS 8, 9, 16, & 17, BRIGHTON TWP, T2N, R6E  
LIVINGSTON COUNTY, MICHIGAN



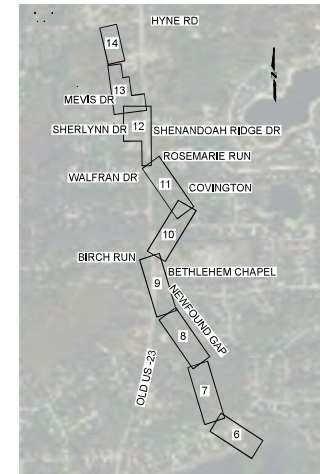
SOURCE:  
STATE MAP: WWW.MICHIGANMAP.ORG  
COUNTY MAP: WWW.MILVCOUNTY.GOV/GIS/MAP-GALLERY/

**STATE AND LIVINGSTON COUNTY MAP**  
(NOT TO SCALE)



SOURCE:  
BING MAPS

**SITE LOCATION MAP**  
(NOT TO SCALE)



**PLAN INDEX**

**SHEET INDEX**

SHEET NO.	DRAWING NO.	TITLE
1	01-G-01	COVER
2	01-G-02	GENERAL NOTES
3	01-G-03	SESC OVERVIEW
4	01-G-04	SESC DETAILS
5	01-G-05	TRAFFIC CONTROL
6	02-C-01	PLAN & PROFILE STA 0+00 - 10+00
7	02-C-02	PLAN & PROFILE STA 10+00 - 20+00
8	02-C-03	PLAN & PROFILE STA 20+00 - 30+00
9	02-C-04	PLAN & PROFILE STA 30+00 - 40+00
10	02-C-05	PLAN & PROFILE STA 40+00 - 50+00
11	02-C-06	PLAN & PROFILE STA 50+00 - 60+00
12	02-C-07	PLAN & PROFILE STA 60+00 - 70+00
13	02-C-08	PLAN & PROFILE STA 70+00 - 80+00
14	02-C-09	PLAN & PROFILE STA 80+00 - 90+00
15	99-D-01	DETAILS
16	99-D-02	DETAILS

**PRELIMINARY**

				<b>DRAFT</b>	DWG. NO. <b>01-G-01</b>
					SHEET NO. <b>1 OF 15</b>
NO.	DATE	ISSUE/REVISION		APP	

PREPARED FOR:                      PREPARED BY:

LIVINGSTON COUNTY DRAIN COMMISSIONER    GEI CONSULTANTS OF MICHIGAN, P.C.  
2300 E. GRAND RIVER AVE., STE 105    401 S WASHINGTON SQUARE  
HOWELL, MI 48843    SUITE 103  
(517)-546-0040    LANSING, MI 48933  
    (517)803-4600



GEI PROJECT NO. 2000946

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, IS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF GEI CONSULTANTS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF GEI CONSULTANTS.

I:\geiconsults\B\Working\Livingston County Drain Commissioner\2000946 Brighton No 4 Drain\01-CAD\Design\sheet\2000946\_Brighton\_01.dwg - 4/23/2024

SYMBOL LEGEND PROPOSED

## Preliminary



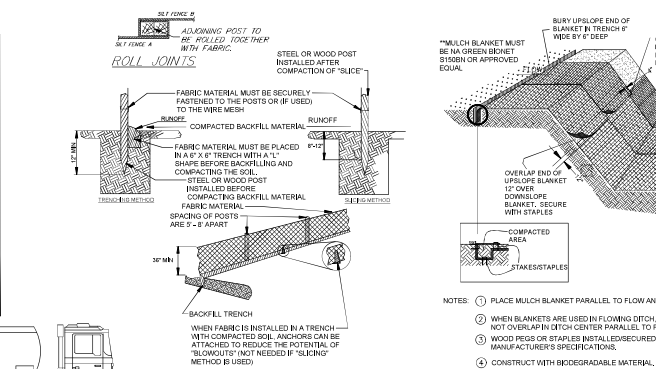




KEY	SESC MEASURE	SYMBOL	KEY	SESC MEASURE	SYMBOL
1	SEEDING		5	PERMANENT SEDIMENT CONTROL MEASURES (SILT FENCE, STRIP CURBS, ETC.)	
When	• Bare soil is exposed to erosion forces from wind and rain.		When	• As a temporary measure used to stabilize erosion-prone areas.	
Why	• A cost effective way to prevent erosion by protecting the soil from wind and rain.		Why	• The temporary barrier prevents sediment from being washed away.	
Where	• Vegetation strips are installed along with a clean rock or gravel strip.		Where	• Between earth disturbance and/or, on a slope adjacent to a road or driveway.	
How	• On all disturbed areas, erosion control measures must be installed within 14 days of completion of earthwork.		How	• Between existing and new construction.	
Who	• Only during wet weather conditions, erosion control measures must be installed.		Who	• Between existing and new construction.	
What	• During the recommended treatment and permanent seeding, the following must be completed:		Who	• Between existing and new construction.	
What	• 1. Soil preparation: Final grade and slope must be established. Final grade must be established within 14 days of completion of earthwork.		Who	• Between existing and new construction.	
What	• 2. Seed selection: Seed must be selected based on soil type, climate, and site conditions.		Who	• Between existing and new construction.	
What	• 3. Seed application: Seed must be applied at a rate of 100 lbs per acre.		Who	• Between existing and new construction.	
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What	• 100. Soil preparation: Final grade and slope must be established. Final grade must be established within 14 days of completion of earthwork.		Who	• Between existing and new construction.	

# SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- TEMPORARY MEASURES SHALL BE INSTALLED PRIOR TO OR UPON COMMENCEMENT OF EARTH CHANGE ACTIVITY IN THE RELATIVE AREA OF DISTURBED EARTH.
- THE CONTRACTOR SHALL CONFORM TO SOIL EROSION AND SEDIMENTATION CONTROL ACT, PART 91 OF ACT 451 OF 1984 AND MUST PROVIDE NOTICE TO THE AEA PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEASURES ARE INSTALLED IN COMPLIANCE WITH MANUFACTURERS RECOMMENDATIONS, AND THE PLANS, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE EESC MEASURES ARE MONITORED AND MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED AND TEMPORARY MEASURES ARE REMOVED. THE CONTRACTOR ACKNOWLEDGES THAT EESC MEASURES MAY BE REQUIRED TO BE ADAPTED, ADJUSTED, OR ADDED BASED ON SITE CONDITIONS AFTER THEY RETURN TO COMPLIANCE WITH PART 91 REQUIREMENTS.
- ALL SOIL EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ONLY BY THE CONTRACTOR. THE CONTRACTOR SHALL INSPECT EACH RAIN EVENT TO ENSURE PROPER MAINTENANCE OF THE SOIL EROSION CONTROL MEASURES, ANY DEFICIENCIES OR REPAIRS TO SOIL EROSION CONTROL MEASURES MUST BE CORRECTED IMMEDIATELY.
- ALL MUD, DIRT AND DEBRIS TRACKED DOWN EXISTING ROADWAYS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR NO LESS THAN ON A DAILY BASIS BY SCRAPING AND SWEEPING WITH A STREET SWEEPER OR MATE. DUST ON THE SITE MUST BE CONTROLLED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS PROHIBITED.
- THE CONTRACTOR SHALL INSTALL PERMANENT SOIL EROSION CONTROL MEASURES FOLLOWING FINAL GRADE IN ANY AREA GRADE USED ON PLANS UNLESS SPECIFIED OTHERWISE BY ENGINEER OR AEA. WEEKLY INSPECTIONS OF SEEDED AREAS SHALL BE COMPLETED TO VERIFY GRASS GROWTH. ANY AREAS NOT ESTABLISHED SHALL BE FERTILIZED, SOILS MIXED, AND RESEED AS NECESSARY. ALL COST FOR ESTABLISHMENT OF SEEDED AREAS SHALL BE INCLUDED IN THE UNIT PRICE FOR THE SPECIFIC SEEDING WHEN INSTALLED.
- THE CONTRACTOR SHALL REMOVE TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES WITHIN 40 DAYS AFTER PERMANENT SOIL EROSION MEASURES ARE IN PLACE AND THE AREA IS STABILIZED. ESTABLISHED VEGETATION SHALL BE MAINTAINED UNTIL THE PROPER PLACEMENT, GRASSING, OR COVERING OF SOIL TO ENSURE ITS RESISTANCE TO SOIL EROSION, SLIDING, OR OTHER EARTH MOVEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR CLEANUP & RESTORATION INCLUDING PROGRESS CLEANING, PROGRESS CLEANING INCLUDES BUT IS NOT LIMITED TO REMOVAL OF WASTE MATERIALS, DEBRIS, RUBBER, AND EXCESS SOILS. COMPLETE LEVELING AND DISTURBANCE RESTORATION AT REGULAR INTERVALS DURING CONSTRUCTION.
- EARTH CHANGE SHALL BE COMPLETED IN A MANNER THAT LIMITS THE EXPOSED AREA OF ANY DISTURBED LAND FOR THE SHORTEST POSSIBLE PERIOD OF TIME.
- SEDIMENTS CAUSED BY ACCELERATED SOIL EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.
- PLACE TURF ESTABLISHMENT TINS AS SOON AS POSSIBLE ON POTENTIAL ERODIBLE AREAS AS DIRECTED BY THE ENGINEER. CRITICAL GRADES SHALL BE PROTECTED WITH SOD OR SEED, MULCH AND POLYMERS AS DIRECTED BY THE ENGINEER.
- MAINTAIN ON SITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS. NO SPILLED CHEMICALS OR PETROLEUM FLUIDS ARE TO COME INTO CONTACT WITH DRAINAGE ETCHES, WETLAND OR WATERS OF THE STATE.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AND THREE INCHES OF TOPSOIL APPLIED. EXISTING TOPSOIL MAY BE USED FOR RESTORATION OF THE AREA, IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE THE TOPSOIL. APPROVED BY THE OWNER AND ENGINEER. THE AREA OF ACCEPTANCE OF THE PROJECT WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR WILL WATCH FOR WEATHER CHANGES THAT WILL CREATE EROSION CONDITIONS AND WILL APPLY EROSION CONTROL MEASURES BEFORE A STORM HITS THE SITE.
- STOCKPILES OF MATERIALS SHALL BE PROTECTED IN A MANNER TO PREVENT SLTATION OF SURROUNDING SITE OR EROSION FROM OCCURRING ON THE STOCKPILE. STOCKPILES SHALL BE REMOVED FROM SITE WEEKLY. STOCKPILES SHALL BE REMOVED FROM SITE WEEKLY. STOCKPILES SHALL BE REMOVED FROM SITE WEEKLY.
- NO WORK THAT REQUIRES DEWATERING SHALL COMMENCE WITHOUT APPROVAL FROM THE ENGINEER.
- SALVAGE MATERIAL SHALL BE REMOVED FROM SITE AT LEAST WEEKLY. SALVAGE MATERIAL SHALL NOT BE PLACED IN HOMEOWNERS LAWN UNLESS APPROVED BY THE ENGINEER AND AEA INSPECTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE SESC PERMIT AT ANY SPOT DEPOSIT LOCATIONS. LOCATIONS MUST BE APPROVED AND ON FILE WITH THE AEA BEFORE DEPOSITION.
- THE DRAIN COMMISSIONER MAY ASSESS COST FOR SITE RESTORATION, SITE STABILIZATION, AND/OR REPAIR OF OFF-SITE DAMAGES IF THE CONTRACTOR DOES NOT COMPLY WITH THEIR CONTRACT OR PART 91. THE RULES, OR THE MACHO SESC MANUAL.
- DETAILED DRAWINGS AND SPECIFICATIONS ARE LOCATED IN THE MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SOILS EROSION AND SEDIMENTATION CONTROL. AVAILABLE AT: MACDUCUS/BLANKET/NO. 1



# COMPLIANCE WITH PART 91 OF PA 451

- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH AN EARTH DISTURBANCE ACTIVITY SHALL BE PROVIDED A COPY OF THIS SOIL EROSION CONTROL PLAN AND STRICTLY ADHERE TO ITS REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO INSTALL AND MAINTAIN APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED PLANS PRIOR TO COMMENCEMENT OF CONSTRUCTION, MASS GRADING, OR STAKING WORK. THE CONTRACTOR SHALL CONFORM TO SOIL EROSION AND SEDIMENTATION CONTROL ACT, PART 91 OF ACT 451 OF 1984.
- INSPECTION BY A CERTIFIED STORM WATER OPERATOR FOR CONSTRUCTION SITES WILL TAKE PLACE WEEKLY AND AFTER EACH RAINFALL EVENT THAT PRODUCES RUNOFF FROM THE SITE. PROPER DOCUMENTATION OF THE INSPECTIONS WILL BE MAINTAINED AS PER PART 91 OF PA 451 OF 1984.
- RESPONSE IMMEDIATELY TO STORMWATER OPERATOR AND/OR SOIL EROSION AND SEDIMENTATION CONTROL INSPECTOR CONCERNS. MAKE CORRECTIVE MEASURES AS REQUIRED IMMEDIATELY AS DETAIL BY THE APPROVED AEA MANUAL THAT APPLIES.
- IF FOR ANY REASON THE OWNER IS FOUND TO BE IN VIOLATION OF PART 91 DUE TO CONTRACTORS NONCOMPLIANCE, THE CONTRACTOR AGREES TO PAY ALL FINES AND COSTS INCURRED BY THE OWNER INCLUDING ALL LEGAL COSTS IN THE DEFENSE OF THE OWNER.

# MAINTENANCE PROGRAM FOR SESC MEASURES

- GENERAL MAINTENANCE**
- TEMPORARY SESC MEASURES SHALL BE INSTALLED, MAINTAINED, AND REMOVED BY THE CONTRACTOR.
  - TEMPORARY SESC MEASURES SHALL BE INSTALLED PRIOR TO OR UPON COMMENCEMENT OF ANY EARTH DISTURBANCE.
  - TEMPORARY MEASURES MUST BE MAINTAINED AND IN PLACE UNTIL AREAS ARE PERMANENTLY STABILIZED.
  - TEMPORARY SESC MEASURES SHALL BE REMOVED AT THE END OF THE PROJECT UNLESS PERMANENT MEASURES ARE IN PLACE AND DISTURBED AREAS ARE STABILIZED.
  - PERMANENT MEASURES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL PROJECT COMPLETION.
  - DAY 1 MAINTENANCE IS THE CONTRACTORS RESPONSIBILITY.

# CONTINUED MAINTENANCE PLAN

THE CONTRACTOR SHALL MAINTAIN THE SESC MEASURES IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

# GENERAL DESCRIPTION OF EARTHWORK ACTIVITIES

THE DESCRIPTION OF THE PROJECT WORK IS AS FOLLOWS:

# LEGAL DESCRIPTION

THE PROJECT IS LOCATED IN THE FOLLOWING AREAS:

# PROXIMITY TO LAKES AND STREAMS

THE PROJECT IS LOCATED IN THE FOLLOWING AREAS:

# ENTIRE PROJECT LIMITS OF DISTURBANCE

THE PROJECT LIMITS OF DISTURBANCE ARE AS FOLLOWS:

# P.E. No.: 000000

Approved: [Signature] BDC BY [Signature]

Checked: [Signature] BDC BY [Signature]

Drawn: [Signature] BDC BY [Signature]

Designed: [Signature] BDC BY [Signature]

GEI Project 2000946

Attention: 1"

If this scale bar does not measure 1" then drawing is not original scale.

NO. DATE ISSUED/REVISION APP

SHEET NAME

DISCHARGE TO VEGETATED AREA

DEWATERING BAG

DISCHARGE TO NON-VEGETATED AREA

DEWATERING BAG DISCHARGE DETAIL

NOT TO SCALE

Preliminary

DWG NO. 01-G-04

SHEET NO. 4 OF 15

**GEI Consultants**  
380 CONSULTING OF MICHIGAN P.C.  
401 S. WASHINGTON SQUARE  
SUITE 101  
LANSING, MI 48203  
(313) 545-6000



**LIVINGSTON COUNTY DRAIN COMMISSIONER**

**SOIL DATA INFORMATION**

**GENERAL DESCRIPTION OF EARTHWORK ACTIVITIES**

**LEGAL DESCRIPTION**

**PROXIMITY TO LAKES AND STREAMS**

**ENTIRE PROJECT LIMITS OF DISTURBANCE**

**P.E. No.: 000000**

Approved: [Signature] BDC BY [Signature]

Checked: [Signature] BDC BY [Signature]

Drawn: [Signature] BDC BY [Signature]

Designed: [Signature] BDC BY [Signature]


GEI Project 2000946

Attention: 1"






SIGN LEGEND




W20-1  
36" x 36"  
TYPE II B

1




W21-5bR  
36" x 36"

2



G20-2


3



SPEED  
LIMIT  
45

R2-1  
30" x 36"  
TYPE II B


4



WORK  
ZONE  
BEGINS


R5-18C  
48" X 48"

5



X  
M P H

6



INJURE/  
KILL A  
WORKER  
\$7500+  
15 YEARS

R5-18b

7



**LIVINGSTON COUNTY DRAIN  
COMMISSIONER**  
BRIGHTON NO. 4 DRAIN  
A PART OF SECTIONS 8, 9, 16, AND 17 BRIGHTON TWP,  
T2N, R6E, LIVINGSTON COUNTY MICHIGAN

P.E. No.: 53847  
Approved: BJC  
Checked: BJC  
Drawn: MJW/LCM  
Designed: LCM  
GEI Project: 2000946

Attention: 1"  
If this scale bar does not measure 1" then drawing is not original scale.


NO.	DATE	ISSUE/REVISION	APP.
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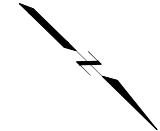
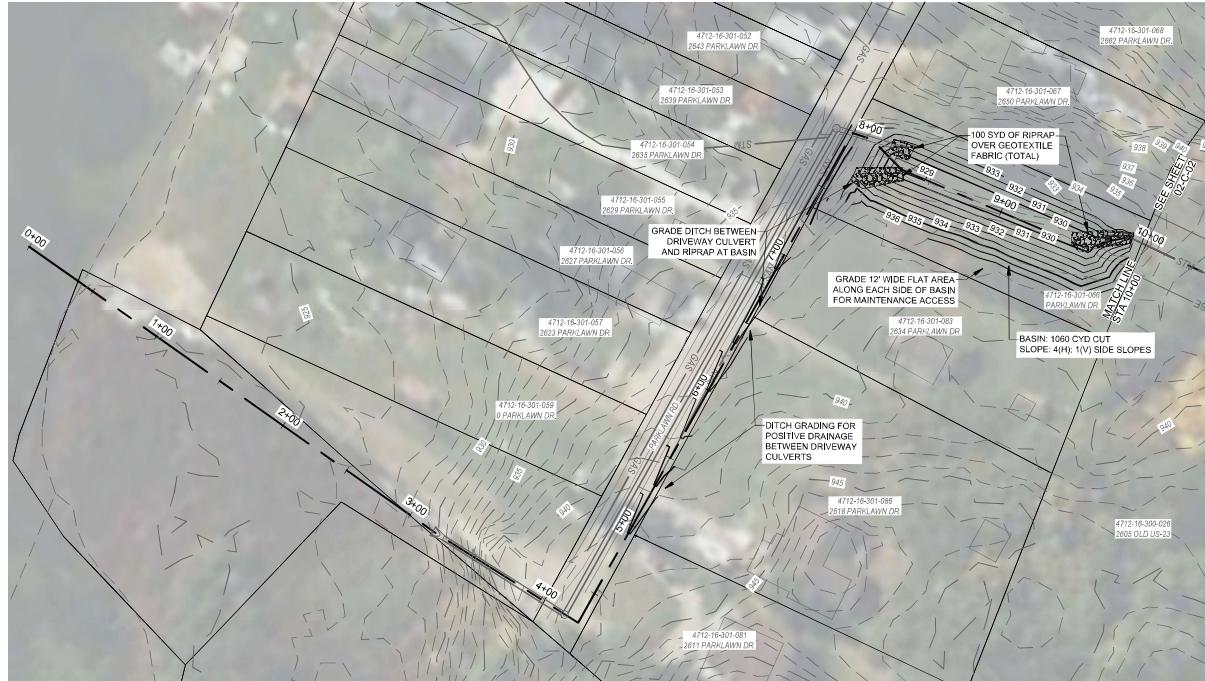
SHEET NAME

TRAFFIC CONTROL

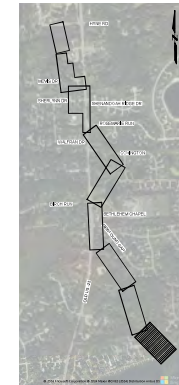
DWG NO.  
**01-G-05**

SHEET NO.  
**5 OF 15**

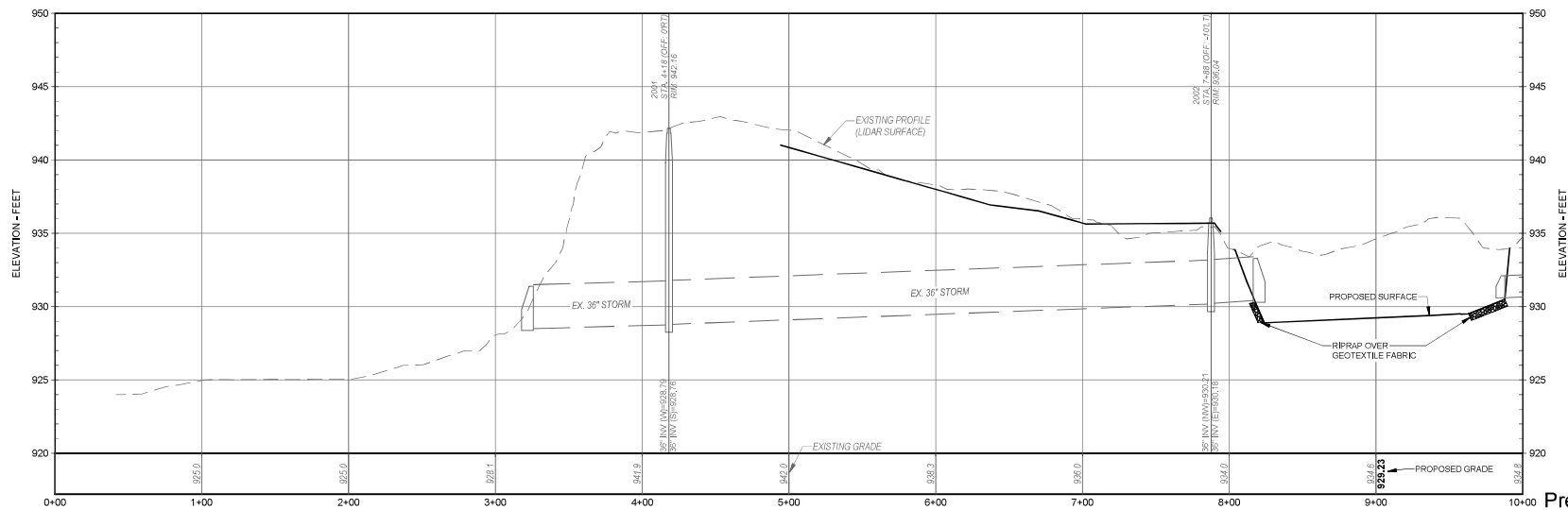
Preliminary




HORIZONTAL SCALE, FEET  
0 40 80  
VERTICAL SCALE, FEET  
0 4 8  
NOTE: 10X VERTICAL EXAGGERATION




PLAN INDEX



Preliminary



382 CONSULTANTS OF MICHIGAN, P.C.  
401 S. WASHINGTON SQUARE  
SUITE 103  
LANSING, MI 48203  
(313) 665-4800



**LIVINGSTON COUNTY DRAIN COMMISSIONER**  
COMMISSIONER  
BRIGHTON NO. 4 DRAIN  
A PART OF SECTIONS 8, 9, 16, AND 17 BRIGHTON TWP.,  
T2N, R6E, LIVINGSTON COUNTY MICHIGAN

P.E. No.: 53847			
Approved: BJC			
Checked: BJC			
Drawn: MJW/LCM			
Designed: LCM			
GEI Project: 2000946			

Attention: 1"

If this scale bar does not measure 1" then drawing is not original scale.

NO.	DATE	ISSUE/REVISION	APP.

SHEET NAME

**PLAN & PROFILE  
STA 0+00 - 10+00**

DWG NO.

**02-C-01**

SHEET NO.

**6 OF 15**







**CONSTRUCTION NOTES:**

1. NO STORAGE OF SPOILS OR MATERIALS WITHIN RIGHT OF WAY OF ANY ROAD WITHIN LIMITS OF PROJECT
2. MAINTAIN ACCESS FOR ALL HOMEOWNERS AT ALL TIMES
3. RESTORE ALL SIGNS & MAILBOXES TO LOCATIONS AS NEAR POSSIBLE TO EXISTING LOCATION AFTER COMPLETION OF WORK. CONSIDERED INCIDENTAL TO CONSTRUCTION
4. ROAD SHALL BE PASSABLE AND HAVE ONE LANE OPEN AT ALL TIMES
5. AT THE END OF EACH WORK DAY, CONTRACTOR SHALL PROVIDE TEMPORARY PIPE OR OTHER CONNECTION APPROVED BY ENGINEER, TO PROVIDE STORM SEWER FLOW AT ALL TIMES. ALL STORM INLETS SHALL BE SECURED SO NO SEDIMENT MAY ENTER STORM SEWER SYSTEM.

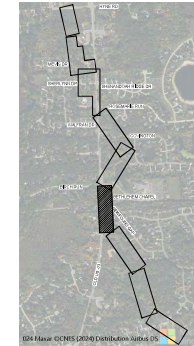
HORIZONTAL SCALE, FEET

0 40 80

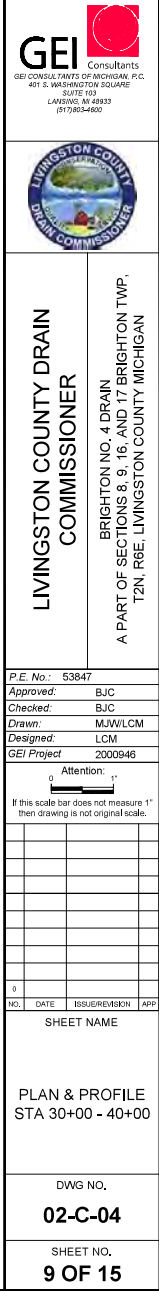
VERTICAL SCALE, FEET

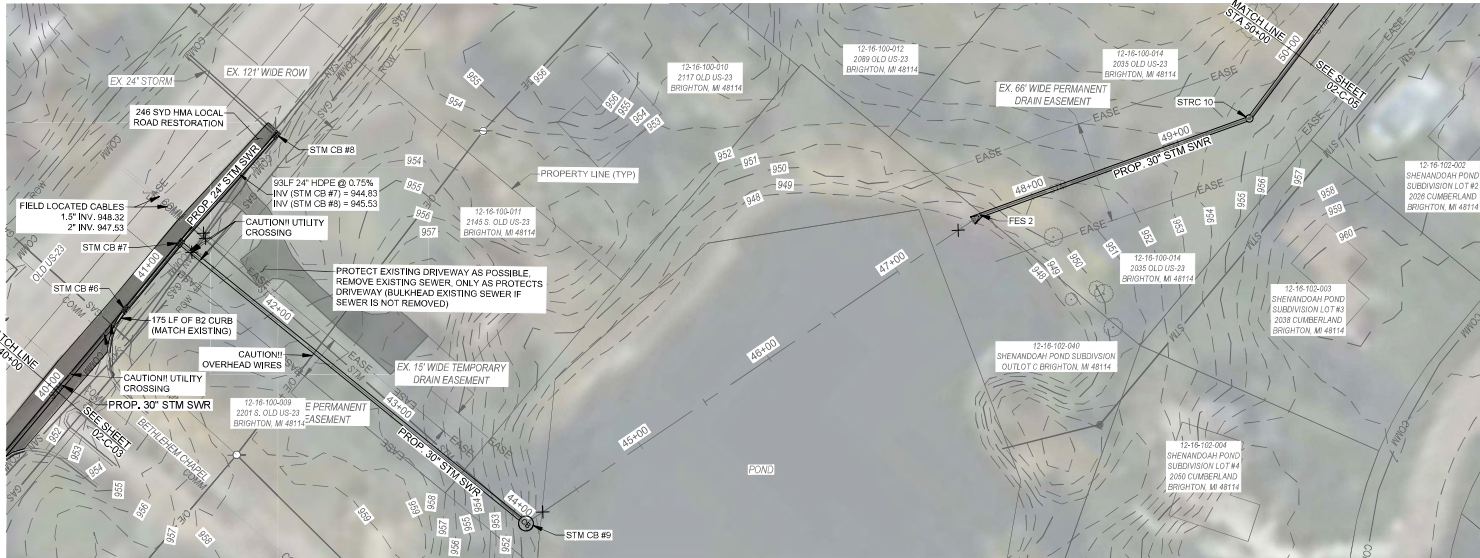
0 4 8

NOTE: 10x VERTICAL EXAGGERATION



## PLAN INDEX



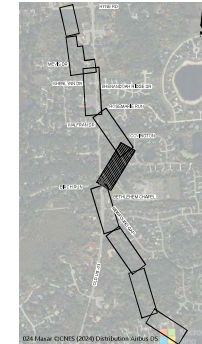
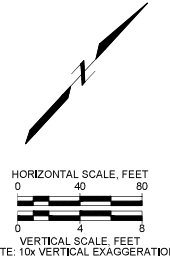
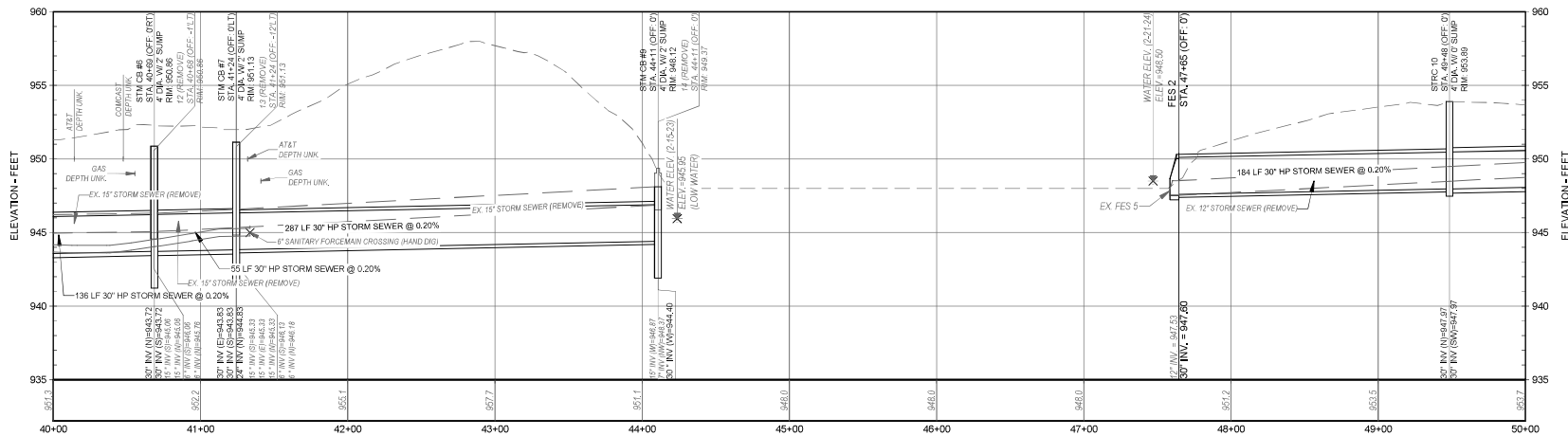


#### CONSTRUCTION NOTES:

1. NO STORAGE OF SPOILS OR MATERIALS WITHIN RIGHT OF WAY OF ANY ROAD WITHIN LIMITS OF PROJECT
2. MAINTAIN ACCESS FOR ALL HOMEOWNERS AT ALL TIMES
3. RESTORE ALL SIGNS & MAILBOXES TO LOCATIONS AS NEAR POSSIBLE TO EXISTING LOCATION AFTER COMPLETION OF WORK, CONSIDERED INCIDENTAL TO CONSTRUCTION
4. ROAD SHALL BE PASSABLE AND HAVE ONE LANE OPEN AT ALL TIMES
5. AT THE END OF EACH WORK DAY, CONTRACTOR SHALL PROVIDE TEMPORARY PIPE OR OTHER CONNECTION APPROVED BY ENGINEER, TO PROVIDE STORM SEWER FLOW AT ALL TIMES, ALL STORM INLETS SHALL BE SECURED SO NO SEDIMENT MAY ENTER STORM SEWER SYSTEM.

APPROXIMATE STORM SEWER REMOVAL  
THIS SHEET (CONTRACTOR TO VERIFY)  
STRUCTURES: 4  
15' RCP: 504 LF  
12' RCP: 245 LF

VERIFY WITH LIVINGSTON ABOUT REPLACING FROM 7-8



PLAN INDEX



**LIVINGSTON COUNTY DRAIN COMMISSIONER**  
BRIGHTON NO. 4 DRAIN  
A PART OF SECTIONS 8, 9, 16, AND 17 BRIGHTON TWP.,  
T2N, R6E, LIVINGSTON COUNTY MICHIGAN

P.E. No.: 53847  
Approved: BJC  
Checked: BJC  
Drawn: MJWL/CM  
Designed: LCM  
GEI Project: 2000946

Attention: 1"

If this scale bar does not measure 1" then drawing is not original scale.

NO.	DATE	ISSUE/REVISION	APP.
0			

SHEET NAME

PLAN & PROFILE  
STA 40+00 - 50+00

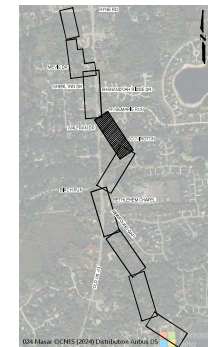
DWG NO.  
**02-C-05**

SHEET NO.  
**10 OF 15**

Preliminary

\\geiconsults\B\Working\LIVINGSTON COUNTY DRAIN COMMISSIONER\000946\_Brighton No 4 Drain\02-CAD\Drawn\02-C-05.dwg - 4/25/2024



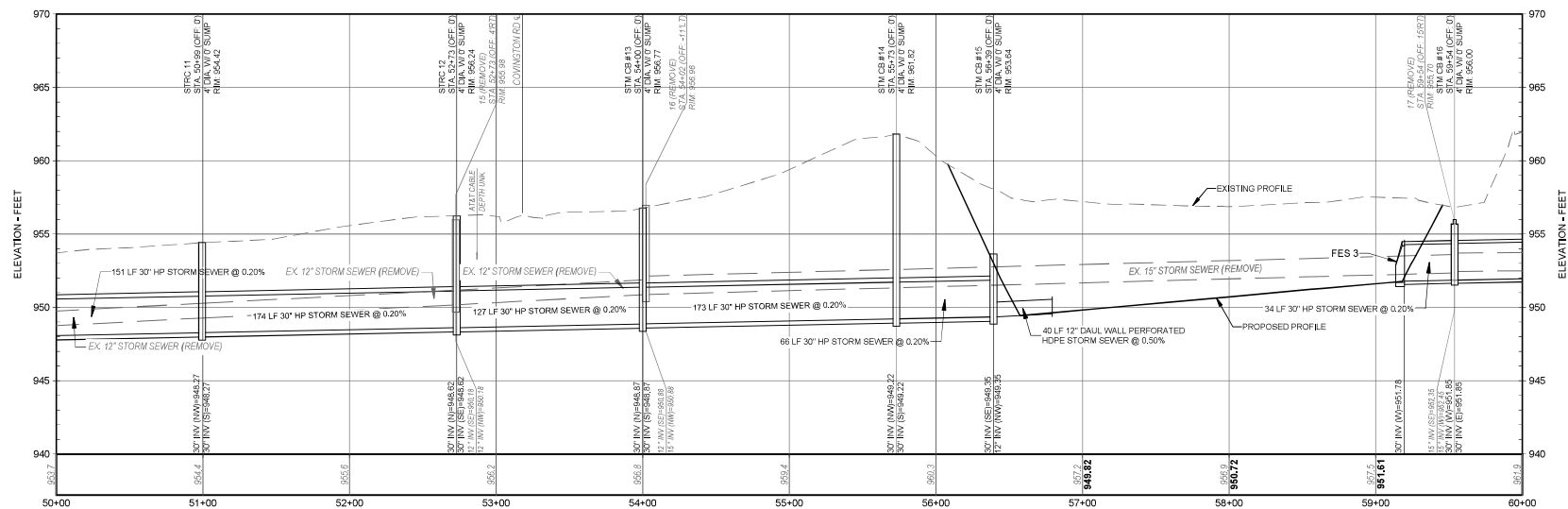


NOTE: EXPOSE EX. UTILITIES PRIOR  
TO INSTALLATION OF STORM SEWER  
THIS SHEET. NOTIFY ENGINEER IF  
ANY CONFLICTS EXIST.

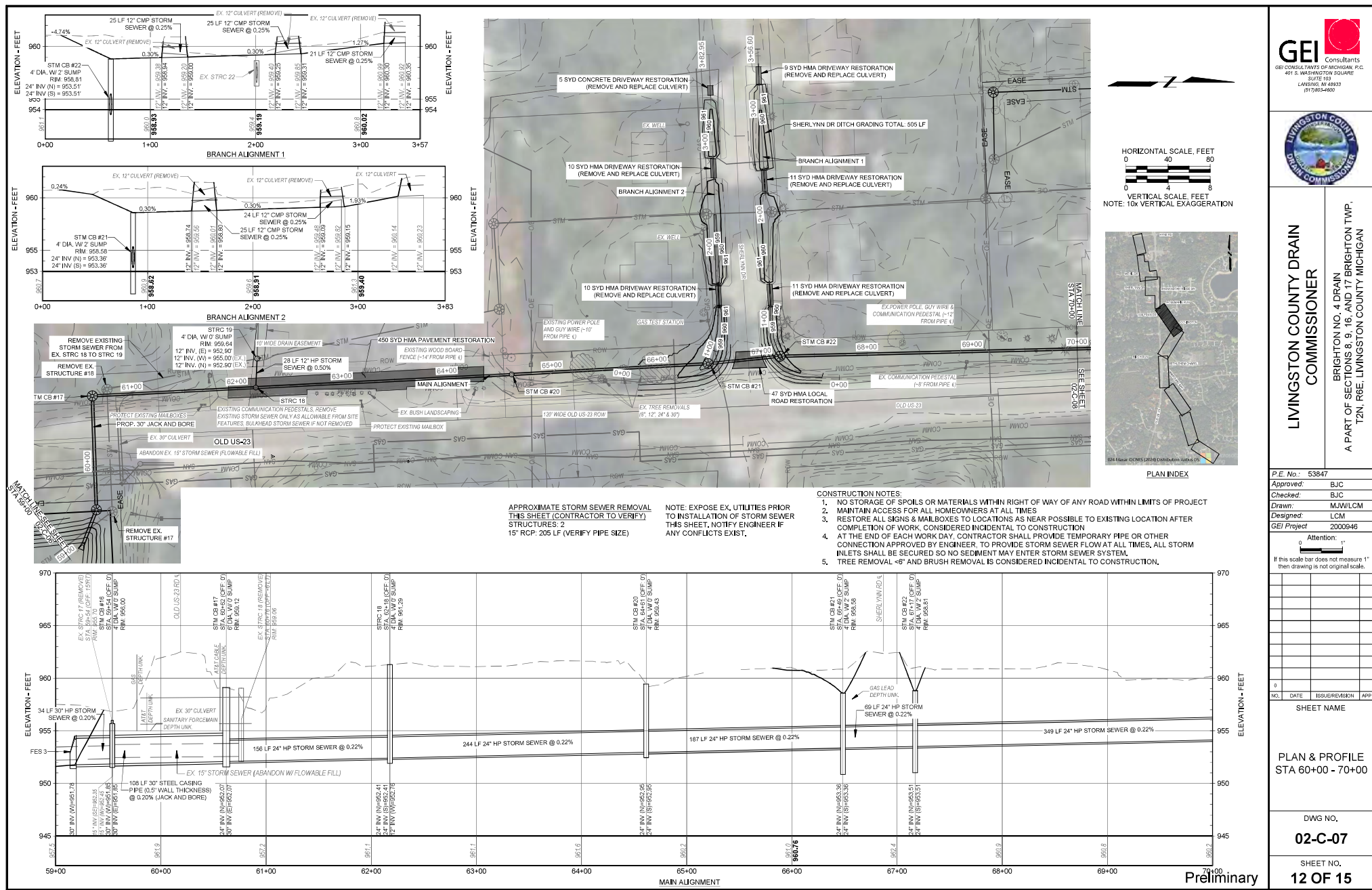
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1. NO STORAGE OF SPOILS OR MATERIALS WITHIN RIGHT OF WAY OF ANY ROAD WITHIN LIMITS OF PROJECT
  2. MAINTAIN ACCESS FOR ALL HOMEOWNERS AT ALL TIMES
  3. RESTORE ALL SIGNS & MAILBOXES TO LOCATIONS AS NEAR POSSIBLE TO EXISTING LOCATION AFTER COMPLETION OF WORK. CONSIDERED INCIDENTAL TO CONSTRUCTION
  4. ROAD SHALL BE PASSABLE AND HAVE ONE LANE OPEN AT ALL TIMES
- AT THE END OF EACH WORK DAY, CONTRACTOR SHALL PROVIDE TEMPORARY FIP RIG OR CONNECTION APPROVED BY ENGINEER, TO PROVIDE STORM SEWER FLOW AT ALL TIMES. ALL STORM INLETS SHALL BE SECURED SO NO SEDIMENT MAY ENTER STORM SEWER SYSTEM.

TREE BRUSH REMOVAL:  
 8,000 SYD VEGETATION REMOVAL IN BASIN AREA  
 TREE REMOVAL THIS SHEET OUTSIDE OF VEGETATION REMOVAL LIMITS  
 6" - 12": 3  
 13" - 24": 0  
 25" OR GREATER: 1

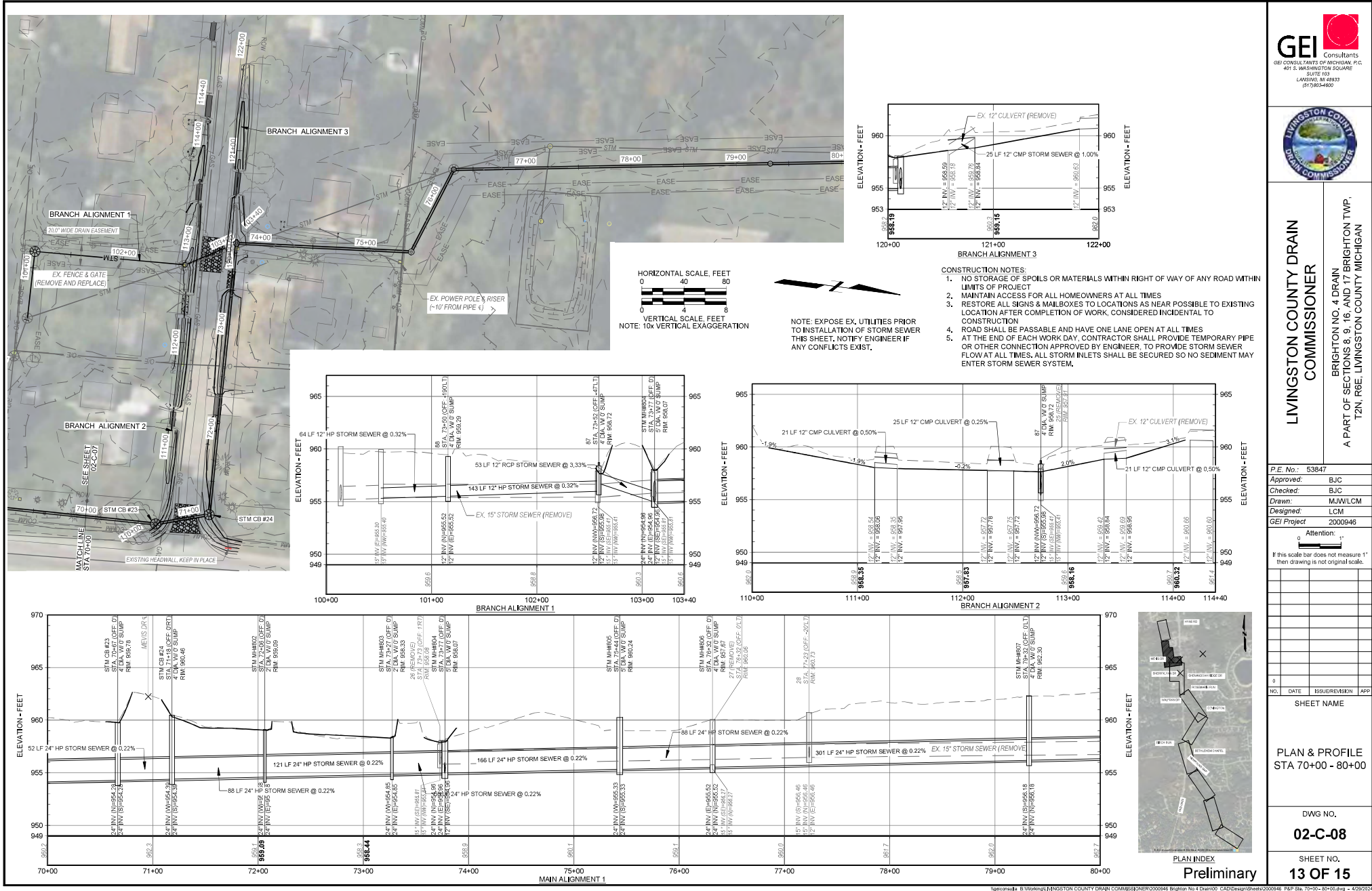
APPROXIMATE STORM SEWER REMOVAL  
THIS SHEET (CONTRACTOR TO VERIFY)  
STRUCTURES: 3  
15" RCP: 924 LF (VERIFY PIPE SIZE)  
FES: 1



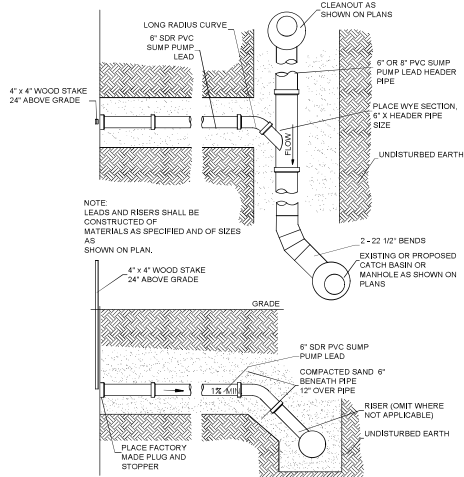
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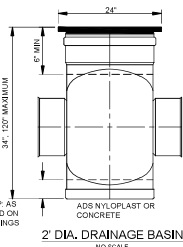




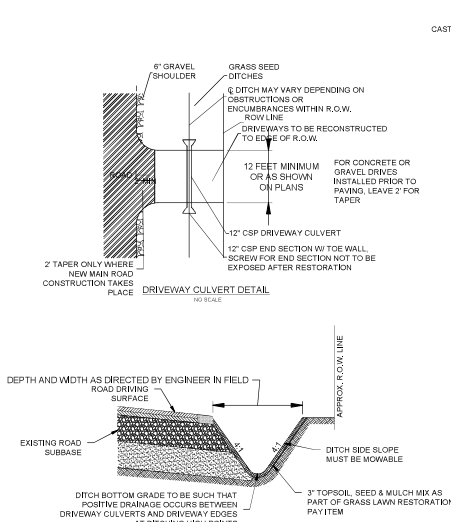




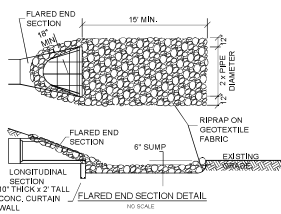
NEW STORM LEAD CONNECTION DETAIL  
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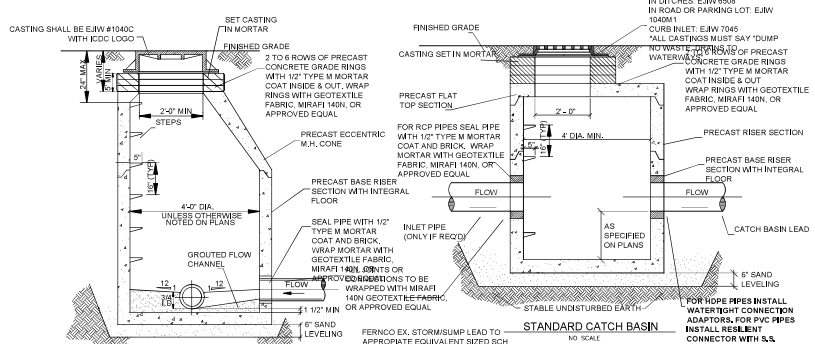
ALL HOPE OR PVC STRUCTURES TO BE DELIVERED & INSTALLED 1\"/>



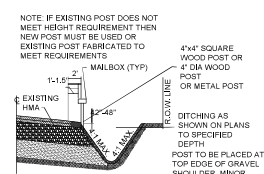
TYPICAL ROAD DITCH DETAIL  
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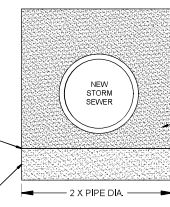
FLARED END SECTION DETAIL  
NO SCALE



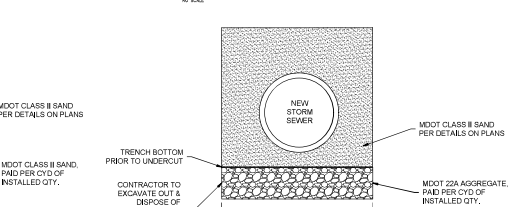
STANDARD STORM MANHOLE  
NO SCALE



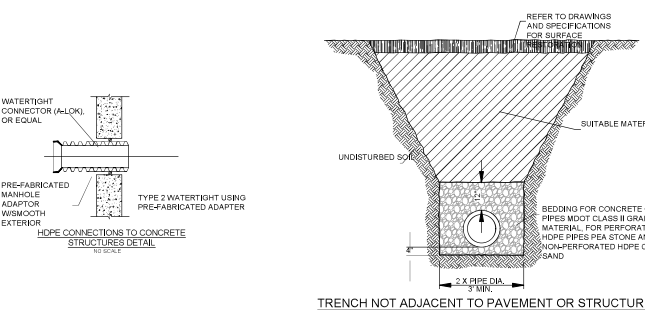
MAILBOX LOCATION DETAIL  
NO SCALE



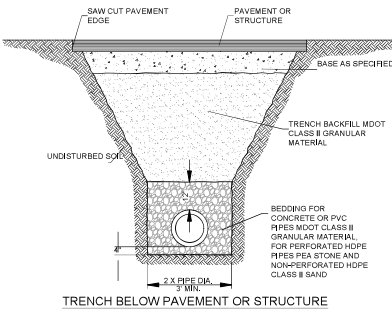
SUBGRADE UNDERCUT, TYPE 1  
NO SCALE



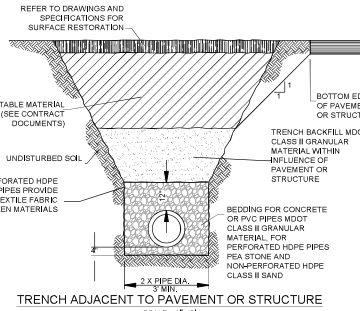
SUBGRADE UNDERCUT, TYPE 2  
NO SCALE



TRENCH NOT ADJACENT TO PAVEMENT OR STRUCTURE  
SCALE: 1\"/>



TRENCH BELOW PAVEMENT OR STRUCTURE  
SCALE: 1\"/>



TRENCH ADJACENT TO PAVEMENT OR STRUCTURE  
SCALE: 1\"/>



**LIVINGSTON COUNTY DRAIN COMMISSIONER**  
BRIGHTON NO. 4 DRAIN  
A PART OF SECTIONS 8, 9, 16, AND 17 BRIGHTON TWP.  
T2N, R0E, LIVINGSTON COUNTY MICHIGAN

P.E. No.: 63417  
Approved: BPE NAMED  
Checked: BHC BY  
Drawn: DERWILBY  
Designed: DSM BY  
GEI Project: 2000946

0 Attention: 1"

If this scale bar does not measure 1" then drawing is not original scale.

0	DATE	ISSUE/REVISION	APP
1			
2			
3			
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SHEET NAME

DETAILS

DWG NO.  
**99-D-01**

SHEET NO.  
**15 OF 15**

Preliminary

\\geosdata\B-W\Living\Livingston County Drain Commission\2000946 Brighton No 4 Drain\01\_CAD\Design\Notes\2000946-DETAB.dwg - 4/26/2024







RESOLUTION

NO: [Title]

LIVINGSTON COUNTY

DATE: Click or tap to enter a date.

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**Resolution Authorizing Improvements to the Rossington Drain from General Fund Vision Tour Funding – Drain Commissioner**

**WHEREAS,** Resolution 2022-12-192 outlined a plan for the strategic use and distribution of American Rescue Plan Act (ARPA) funding of which a total of \$6,175,870 was identified for the Drain Commissioner’s Office for water infrastructure projects; and

**WHEREAS,** Resolution 2022-12-192 implemented the strategic use of American Rescue Plan Act (ARPA) funds and associated Vision Tour funds for continued investigation, strategic direction, allocation, and use of funds; and

**WHEREAS,** the Drain Commissioner’s Office is requesting \$300,000 of General Fund Vision Tour funds to address flooding issues on the Rossington Drain, a project which was petitioned by Howell Township in 2023; and

**WHEREAS,** the Drain Commissioner’s Office has retained Spalding DeDecker & Associates (SDA) to design the improvements and bid the project; and

**WHEREAS,** the Drain Commissioners office will be working jointly with the Livingston County Airport Board in the design and construction of the project.

**THEREFORE, BE IT RESOLVED** that the Livingston County Board of Commissioners hereby authorizes the amount of \$300,000 of General Fund Committed Vision Tour fund balance for water infrastructure improvements, to be allocated for the Rossington Drain Drainage District improvements.

**BE IT FURTHER RESOLVED** that, Pursuant to the of the Michigan Drain Code, the Drain Commissioner is authorized to sign all forms, assurances, contracts/agreements, and future amendments with contract language adjustments related to above upon review and/or preparation by Drain District Counsel.

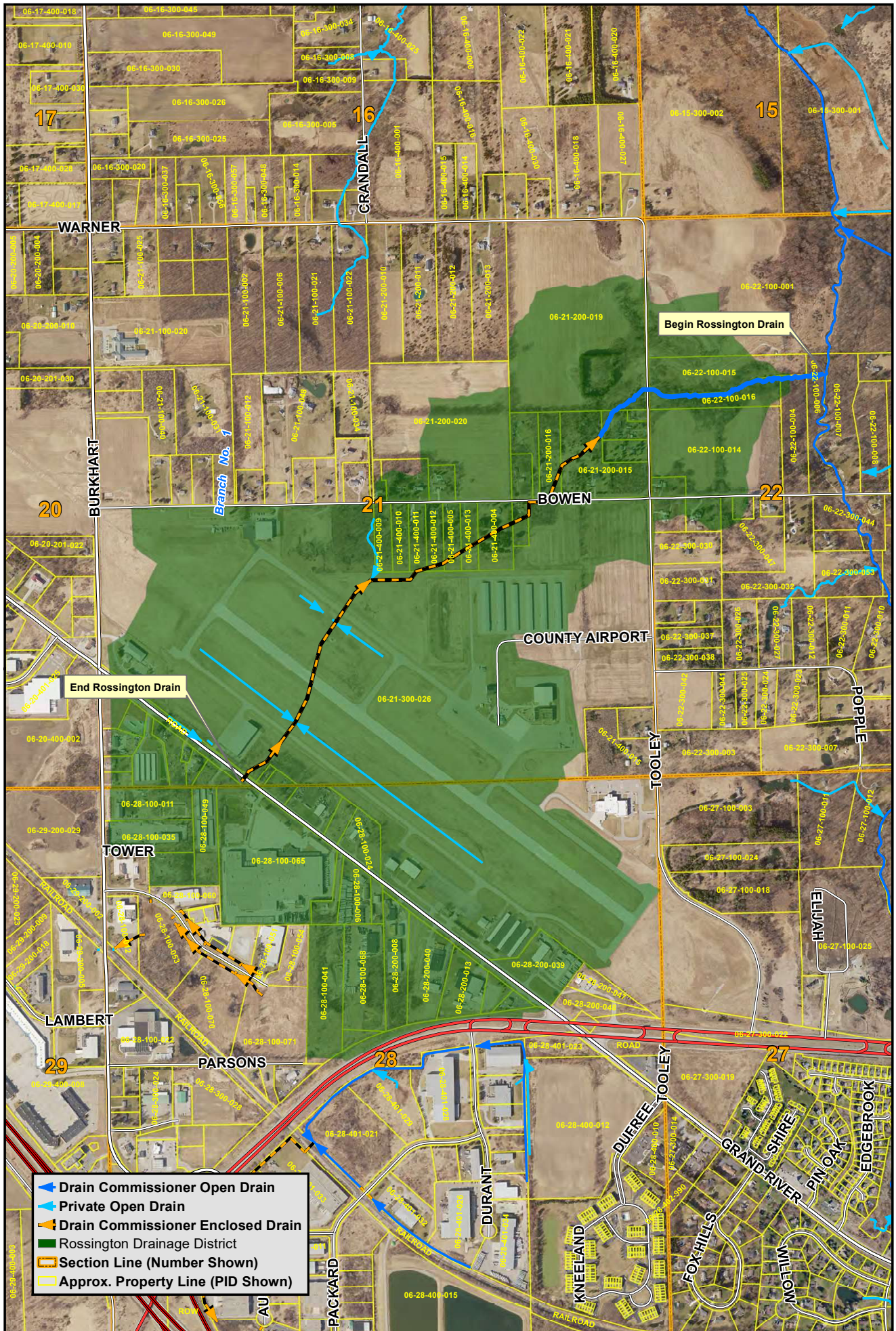
**BE IT FURTHER RESOLVED** that the Board of Commissioners authorizes any budget amendments, journal entries, transfer between funds as needed to effectuate this project.

**BE IT FURTHER RESOLVED** that from the date of approval of this resolution until the project is completed, as outlined in Resolution 2022-12-192, the Livingston County Drain Commissioner shall provide a written update on the status of the project every three (3) months and shall present, in person, to the Finance and Asset Management Committee every six (6) months until the project is complete.

# # #

**MOVED:  
SECONDED:  
CARRIED:**





- Drain Commissioner Open Drain
- Private Open Drain
- Drain Commissioner Enclosed Drain
- Rossington Drainage District
- Section Line (Number Shown)
- Approx. Property Line (PID Shown)



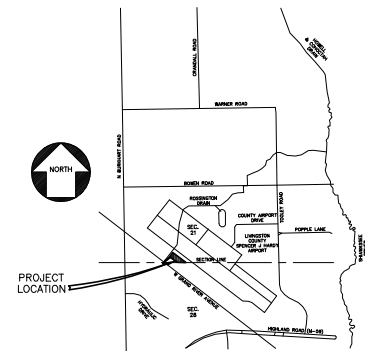
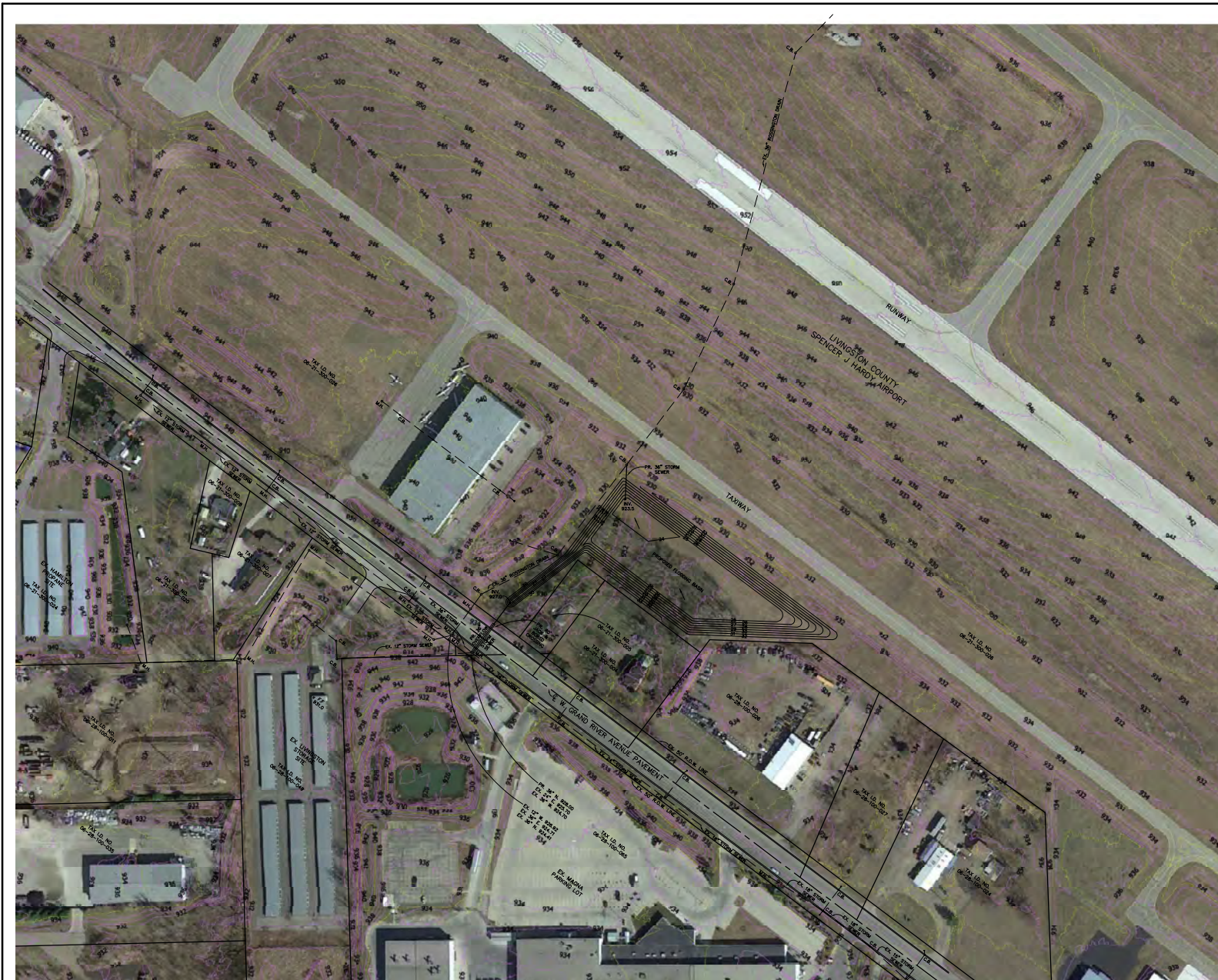
Livingston County Drain Commissioner  
 2300 E Grand River  
 Howell, MI 48843  
 Orthophoto Flown 2020  
 Printed March 1, 2024

**Rossington Drain**  
 Agenda Page 67 of 68  
**Drainage District**  
 A part of Sections 21, 22, and 23 of Howell Township

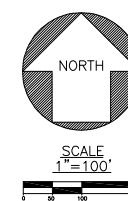


1 inch = 800 feet





LOCATION MAP  
SCALE: 1"=200'



- LEGEND
- 930 — EXISTING CONTOUR
  - 30 — PROPOSED CONTOUR (ADD 900 FEET)
  - C.B. — CATCH BASIN
  - M.H. — MANHOLE

EXISTING LOW AREA STORAGE VOLUME CALCULATION

CONTOUR	AREA BELOW CONTOUR	AVERAGE DEPTH	VOLUME BETWEEN CONTOURS	CUMULATIVE VOLUME
929	5,342 S.F.	84.485 S.F. X 1.0 FT.	84,485 CU. FT.	84,485 CU. FT.
930	115,467 S.F.	164,893 S.F. X 1.0 FT.	164,893 CU. FT.	249,378 CU. FT.
931	214,289 S.F.			

TOTAL EXISTING LOW AREA VOLUME = 249,378 CU. FT.

PRELIMINARY FLOODING BASIN STORAGE VOLUME CALCULATION

CONTOUR	AREA BELOW CONTOUR	AVERAGE DEPTH	VOLUME BETWEEN CONTOURS	CUMULATIVE VOLUME
923.5	5,341 S.F.	5,785 S.F. X 0.5 FT.	2,893 CU. FT.	2,893 CU. FT.
924	6,229 S.F.	28,119 S.F. X 1.0 FT.	28,119 CU. FT.	31,012 CU. FT.
925	50,009 S.F.	53,056 S.F. X 1.0 FT.	53,056 CU. FT.	84,068 CU. FT.
926	56,102 S.F.	59,590 S.F. X 1.0 FT.	59,590 CU. FT.	143,658 CU. FT.
927	63,078 S.F.	66,872 S.F. X 1.0 FT.	66,872 CU. FT.	210,530 CU. FT.
928	70,865 S.F.	74,580 S.F. X 1.0 FT.	74,580 CU. FT.	285,110 CU. FT.
929	78,495 S.F.	82,529 S.F. X 1.0 FT.	82,529 CU. FT.	367,639 CU. FT.
930	86,563 S.F.			

TOTAL FLOODING BASIN VOLUME PROVIDED = 367,639 CU. FT.

NOTE: AERIAL PHOTOGRAPHY & CONTOUR INFORMATION SHOWN FROM SENCOS C.L.S. DATA BASE



CLIENT: LIVINGSTON COUNTY DRAIN COMMISSIONER 2300 E. GRAND RIVER AVENUE HOWELL, MICHIGAN 48843 PHONE: 517/546-0040	DIVISIONS _____ _____ _____	PROPOSED IMPROVEMENTS FOR <b>THE ROSSINGTON DRAIN</b>	PRELIMINARY FLOOD MITIGATION PLAN <b>Environmental engineers, Inc.</b> 18620 WEST TEN MILE ROAD SOUTHFIELD, MICHIGAN 48075 PHONE: 248/424-9510 FAX: 248/424-2954	CLIENT PROJECT NO.: 22-41 DATE ISSUED: 02/08/23 SHEET NO.: C-1
	HOWELL TOWNSHIP LIVINGSTON COUNTY MICHIGAN			