

Gratiot County Drain Commissioner **Utility Requirements and Guidelines**

These Requirements are intended to be guidelines to assist utility companies / developers with projects in Gratiot County that typically do not require stormwater management. All Requirements are subject to Permits and Drain Agreements or other legal agreements.

Design Phase

1. Notify the Gratiot County Drain Commissioner (GCDC) of upcoming project and provide information that is currently known related to the townships and sections of land potentially impacted by the proposed development. Coordinate an initial meeting with the GCDC and consultants.
2. A cooperation agreement (to be prepared by the GCDC and executed by the Developer) or permit application shall be submitted. This agreement or application will include a deposit which may vary based on project size according to the GCDC fee schedule. Deposited funds will be applied to GCDC expenses, and any remaining balance will be refunded to the Developer after all post- construction requirements have been met.
3. Provide preliminary design plan set (11x17 and pdf) to the Gratiot County Drain Commissioner for review and comment during the design phase. GIS Data shall be incorporated into the plan set and will be available upon request. All county drains¹ MUST be shown on the site plans with correct drain number.
4. The Drain Commissioner will identify the drain right of way (R.O.W.) widths recorded in the existing R.O.W.s and provide them to the Developer for all impacted county drains.
5. The Drain Commissioner will review historical files and field conditions of any impacted county drains and provide a summary of any concerns with the existing drain's capacity to the developer's engineering team.
6. There will be no proposed infrastructure parallel to a drain within a drain R.O.W. unless specifically approved by GCDC.
7. All proposed infrastructure must be drilled/bored (see Exhibit B attached) with the top of the utility being installed a minimum of 10 feet below the original stream grade (channel hardpan) or tile invert within 10 feet of the Drain channel or enclosed Drain. Refer to Typical Bores detail attached as Exhibit B.
8. All costs incurred by the Drainage Districts will be paid by the Developer including, but not limited to legal, site review, engineering, drain repairs, administration fees, R.O.W. / easement acquisition, and inspection fees.
9. Proposed infrastructure that parallels a drain may be approved for placement within the drain R.O.W. ONLY if they are more than 10 feet from the drain centerline for enclosed drains or 10 feet from the top of bank for open channel drains feet. The procurement of additional drain R.O.W. may be required to compensate for lost R.O.W. This will be at the developer's cost.
10. Any temporary or permanent drain crossing culvert sizes must be approved by the GCDC or its representative. The Developer's engineer is to provide invert elevations and culvert sizes for the nearest two road culverts upstream and downstream of each proposed permanent crossing at the developer's expense. This information will be submitted to GCDC for verification and utilized to set the grade for the permanent crossing. GCDC inspection will be onsite for all culvert installations.
11. Permanent structures shall not be constructed within Drain R.O.W. without prior GCDC approval.
12. Final plans must be approved and permit applications and/or Drain Crossing Agreements executed

¹ All references to County Drains also include Intercounty Drains, if applicable.

before construction may commence.

Pre-Construction

1. Schedule a meeting with GCDC legal counsel to review all legal requirements if applicable.
2. Submit a set of all construction drawings for final review and approval.
3. Schedule a meeting with GCDC to go over site plans and review standard details and specifications for all proposed work within the County Drain R.O.W.
4. All Crossing Agreements, R.O.W. agreements and or permit applications with corresponding exhibit drawings must be signed and approved by GCDC prior to construction.
5. All impacted underground storm systems must be located and surveyed by the GCDC at GCDC's discretion and at the Developer's cost.
6. Developer shall select a GCDC pre-approved contractor to complete all open and/or closed drain repairs and restoration.
7. All temporary crossings will require a signed agreement from the landowner verifying their understanding that the crossing will be removed after construction. This agreement must be on file at the Drain Office prior to construction. If the landowner requests that their temporary crossing be left in place, the Developer must follow all applicable federal, state and local rules and regulations for placement of a permanent crossing.
8. Schedule pre-construction meeting with all Contractors and GCDC if applicable.

During Construction

1. Any proposed changes to the final approved construction drawings must be reviewed and approved by the GCDC or their representative prior to implementation.
2. As necessary, GCDC Engineer will stake all County Drain R.O.W.s every 200 feet prior to commencing any work that is proposed within 150 feet of any County Drain centerline at the developer's expense.
3. 3 days' notice must be given in writing (email) prior to starting work within any drain R.O.W.
4. Daily Inspections by GCDC or their representative will be performed whenever work is being conducted in any Drain R.O.W. All costs shall be paid for by the Developer.
5. All heavy equipment crossing enclosed County Drains must utilize crane mats and have a minimum 5-foot of cover to protect the tile.
6. Dewatering plans must be reviewed and approved by GCDC prior to implementation.

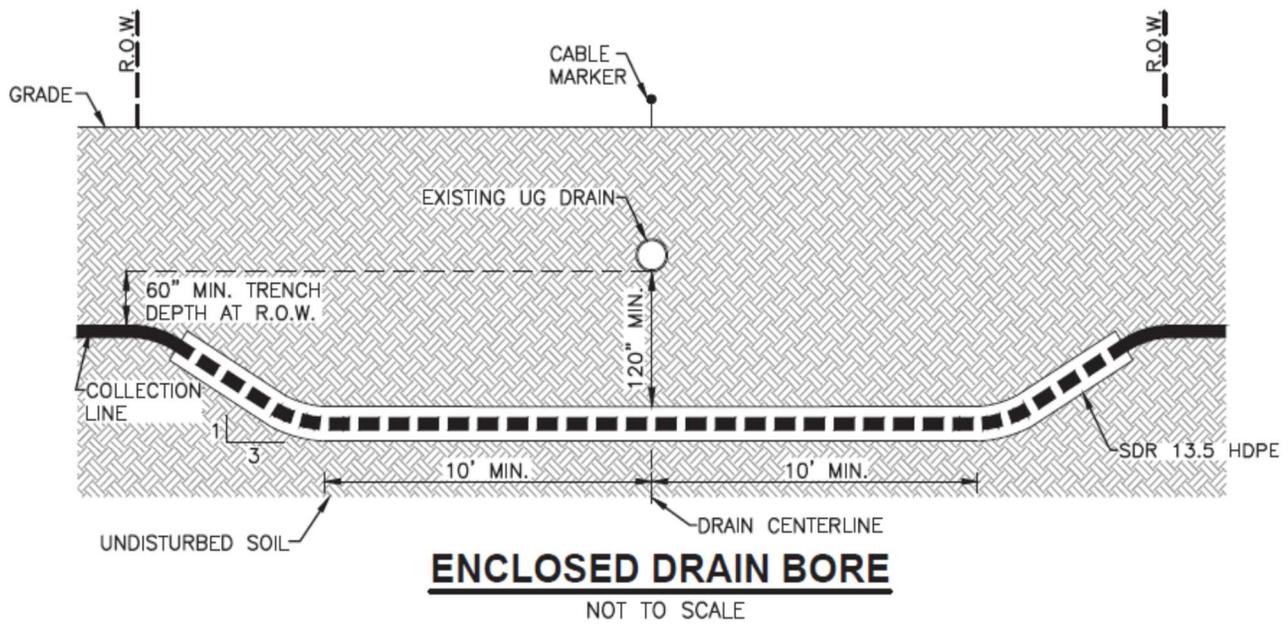
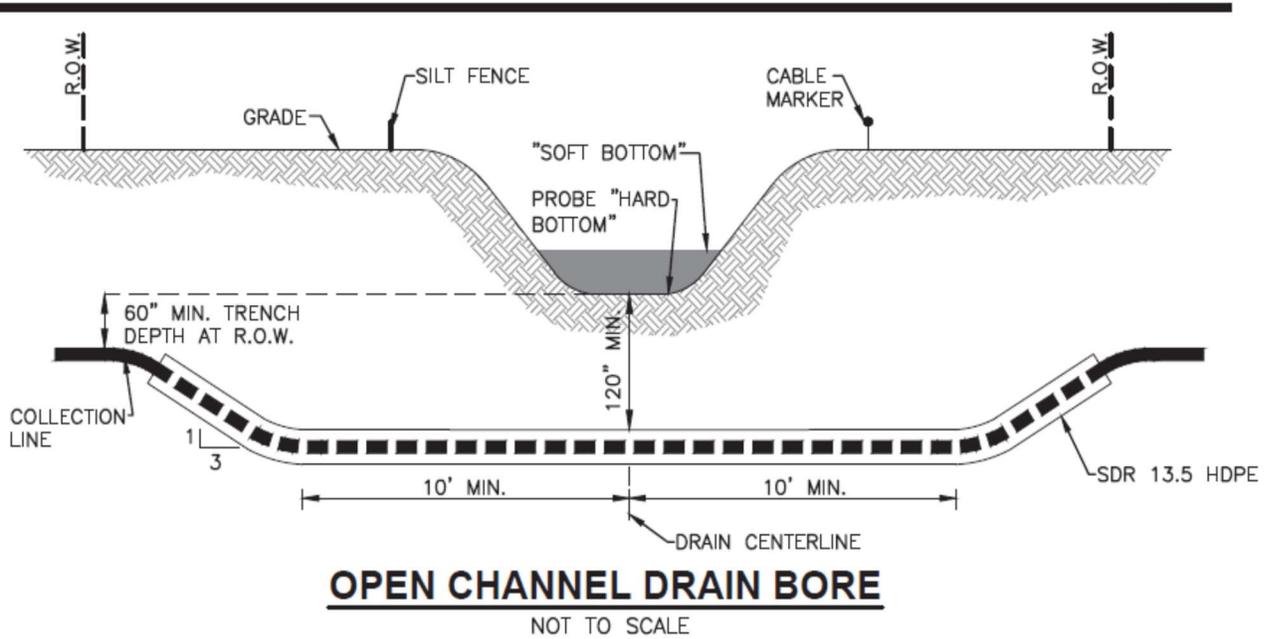
Post Construction

1. Developer will be responsible for monitoring and maintaining all open and enclosed drains until restoration is complete. Any concerns identified by the GCDC shall be addressed immediately.
2. The GCDC will require cross section drawings of all bores, 11x17 as-built drawings (paper and pdf form), and as-built shapefiles of all constructed facilities.
3. Final approval by GCDC of each individual site will be required.
4. GCDC will not release the balance of any deposits until the site has been stabilized, SESC measures removed, construction debris removed and all required submittals are received. Any deposit will be forfeited if GCDC requirements are not met within one year of construction completion.
5. GCDC reserves the right to televise any underground storm sewer facilities at the Developer's expense to ensure there was no damage during construction.

Exhibit A - Summary of Requirements for Utility Projects

WIND PROJECTS	
Deposit Requirement	\$100,000*
Hydrologic Impacts	Hydrologic impacts of these projects are anticipated to be minor in nature for wind turbines. Laydown areas, office areas, and other permanent or temporary developments on the participating parcels will need to be evaluated on a project-by-project basis based on size of impact and project schedule.
Detention Requirements	Permanent or temporary detention facilities may be required based on calculations provided in the stormwater regulatory authorities' rules and guidelines for permanent or temporary developments as part of the project. Detention will not be required for impacts due to wind turbines. Refer to Gratiot Conty Drain Commissioner Utility Requirements and Guidelines.
Inspection Requirements	<ul style="list-style-type: none"> • All work within the Drain R.O.W./Easements • All proposed stormwater facilities including conveyance and detention/retention systems
Drain Crossing Agreement Requirements	<ul style="list-style-type: none"> • All drain impacts within a Wind Development shall have a Drain Crossing Agreement. • Agreements/Exhibits Include: proposed culverts, proposed utility crossings, proposed storm water inlets/outlets, modification to existing storm water facilities, and other appurtenances constructed within the Drain R.O.W./Easement.
UTILITY PROJECTS	
Deposit Requirement	\$1,500.00 / crossing, with max. \$100,000*
Application Fee	\$250.00
Hydrologic Impacts	Underground and aerial utility installations typically do not cause hydrologic or runoff impacts.
Detention Requirements	Detention will not be required.
Inspection Requirements	<ul style="list-style-type: none"> • All work within the Drain R.O.W./Easements • Any proposed changes to the existing drainage system that are incorporated into the project
Drain Crossing Agreement Requirements	<ul style="list-style-type: none"> • All drain crossings will require a permit from the Drain office. Projects incorporating large crossings, complex crossings, or multiple drain crossings may require a Crossing Agreement at the discretion of the Drain Commissioner • Agreements/Exhibits Include: proposed culverts, proposed utility crossings, proposed storm water inlets/outlets, modification to existing storm water facilities, and other appurtenances constructed within the Drain R.O.W./Easement

* Submitted with Cooperation Agreement or Permit application



NOTES:

1. THE RATE OF SLOPE OF CABLE TO DEPTH BELOW DRAIN SHALL NOT EXCEED 3:1.
2. IF NO DRAIN RIGHT-OF-WAY EXISTS THE BORE MUST EXTEND A MINIMUM OF 10 FEET BEYOND THE TOP OF BANK.
3. SEE SITE SPECIFIC SWPP FOR MORE INFORMATION.
4. PARALLEL BORE SEPARATION SHALL BE A MINIMUM OF 50 FEET.
5. GPS COORDINATES SHALL BE TAKEN AT ALL CROSSINGS.



DATE: 1-19-2022
PROJECT:

EXHIBIT B - TYPICAL BORES

Apr 22, 2025 - 12:08pm H:\Projects\Gratiot County\Drain Details\Exhibit B - Typical Bores.dwg, XREFs
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