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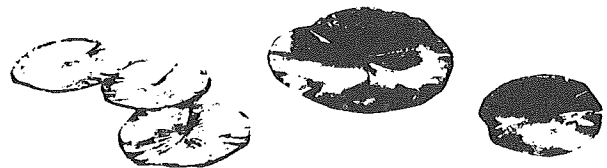
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DNR WATER AND WETLAND PERMITS: PERMIT APPLICATION WORKBOOK



Minnesota Department of Natural Resources
Division of Waters

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A Message From The Director

Minnesota is known for its water—more than 12,000 lakes, 90,000 miles of streams and nearly 9 million acres of wetlands. The state also has abundant high-quality ground water. Protecting our water resources and managing usage is the job of the Department of Natural Resources—Division of Waters.

Our surface and ground water has many uses: drinking water, industrial processing, transportation, irrigation, recreation including boating and fishing, navigation, fish and wildlife habitat and more! With all these uses, conserving, protecting and allocating water is a complex job that touches the lives of all Minnesotans.

Through the Protected Waters and Water Appropriation permits, the DNR manages water resources. You will need a DNR Protected Waters Permit if you want to alter the course, current or cross-section of a protected water or wetland; or a DNR Water Appropriation Permit when you want to appropriate large volumes of water. Other local, state and federal agencies also may require permits to work in designated waters and wetlands. An introduction to these agencies and their regulatory programs is given on Page 2.

This booklet is provided as a public service to communities and individuals interested in applying for a water resources permit from the DNR. The booklet helps to explain the application process and should not be viewed as a guarantee to receive a permit. Each application received by the DNR is reviewed for its own merit. Whether or not a permit is issued is based on present laws and evaluation of the impact on the environment. I hope you will find the regulatory process less complex after using this booklet.

Sincerely,



Kent Lokkesmoe
Director of the Division of Waters
Minnesota Department of Natural Resources



Equal opportunity to participate in and benefit from programs of the Minnesota Department of Natural Resources is available to all individuals regardless of race, color, national origin, sex, age or disability. Discrimination inquiries should be sent to MN-DNR, 500 Lafayette Road, MN 55155-4031 or the Equal Opportunity Office, Department of the Interior, Washington, D.C. 20240.

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WATER AND WETLAND PERMITS

Introduction

Proposing to work in "protected" wetlands, lakes and watercourses can be a complicated undertaking. Local, state and federal agencies all have different regulations, permits and philosophies. The Department of Natural Resources, in cooperation with the Board of Water and Soil Resources and the U.S. Army Corps of Engineers, is working to simplify and coordinate the regulatory process. This booklet was developed to help individuals and government representatives identify correct regulatory agencies, complete CJA and DNR forms and include the correct application information. It also gives an introduction to the DNR's wetland and water permit application process.

Determining which agency has responsibility is an important part of the permit process. Found on page 3 is a diagram that outlines who to contact about land and water development questions.

Regulatory Agencies

The U.S. Army Corps of Engineers (USCOE) is the primary Federal agency involved with water and wetland regulation. The USCOE regulates various activities in virtually all of Minnesota's waters (lakes, rivers and all wetland types). In addition, agricultural landowners who wish to farm wetlands must follow U.S. Soil Conservation Service (SCS) guidelines if they are to avoid losing U.S. Department of Agriculture (USDA) farm subsidies.

The primary State agencies involved in the protection and regulation of Minnesota's water and wetland resources are the Department of Natural Resources (DNR), the Board of Soil and Water Resources (BWSR) and the Minnesota Pollution Control Agency (MPCA).

The DNR administers the Protected Waters Permits Program for activities at or below the ordinary high water level which alter the course, current or cross-section of Minnesota's public waters and public waters wetlands. A DNR Water Appropriation Permit is required for taking in excess of 10,000 gallons of water per day and/or one million gallons per year.

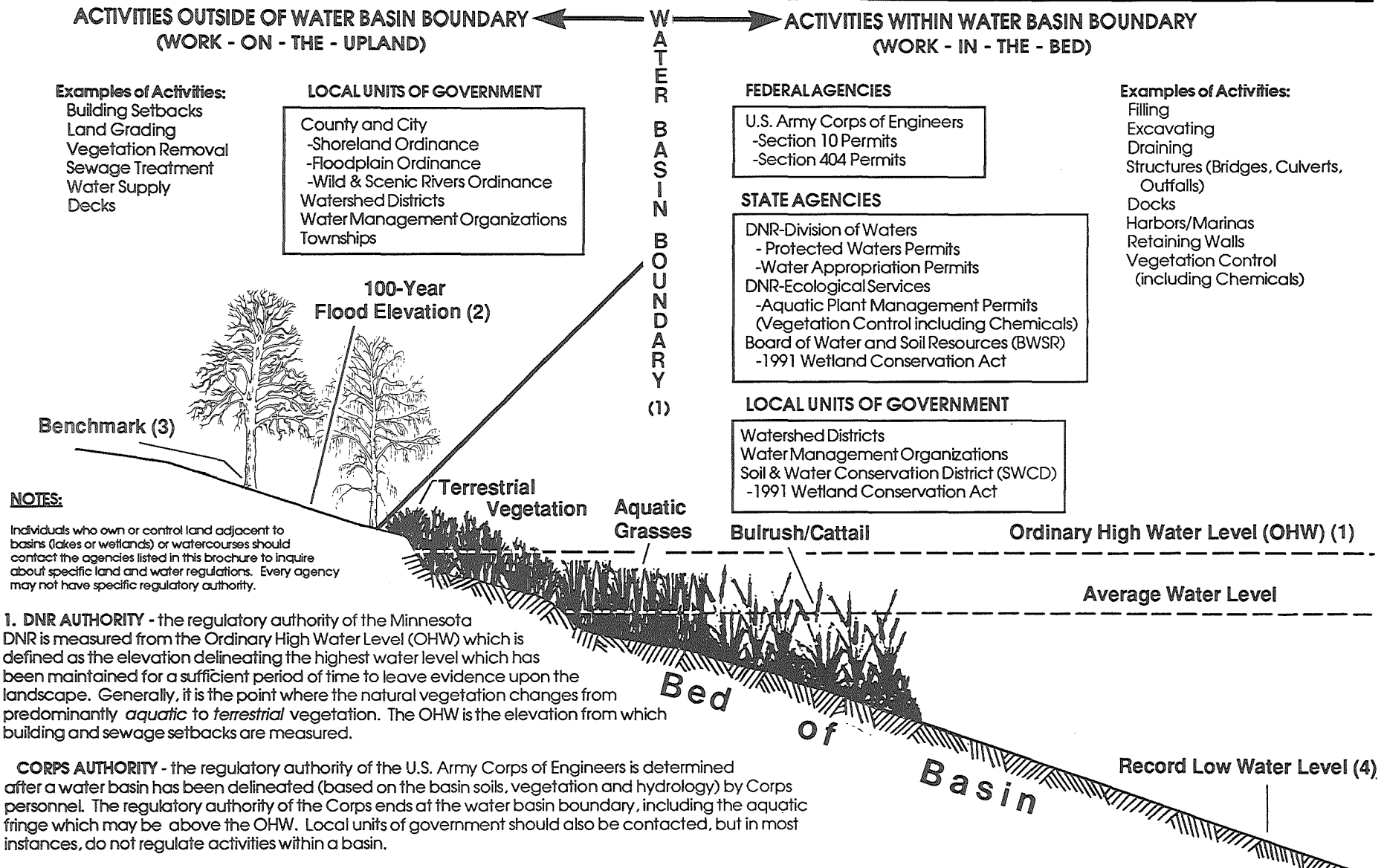
The Board of Soil and Water Resources (BWSR) and soil and water conservation districts oversee local unit of government (LUG) regulation of wetland areas (types 1 through 8 with certain exemptions) not under the jurisdiction of the DNR. There is no minimum basin size limit and the jurisdictional boundaries of regulated wetland areas generally corresponds to the boundary that would be used by the U.S. Army Corps of Engineers. Applicants must replace altered/degraded wetlands under a locally approved mitigation plan.

The MPCA issues certification for activities which will result in the discharge of dredge or fill materials into waters of the State. The MPCA's rules are applicable to both state and federal permits. Regulatory agencies may send a copy of application materials to the MPCA in certain instances.

At the local level, soil and water conservation districts (SWCD) assist landowners in the implementation of plans to conserve and protect soil and water resources. Watershed districts (WSD) and watershed management organizations (WMO) have statutory authority to regulate land use and projects affecting flood plain and shoreland areas within district boundaries. Many counties and municipalities have implemented shoreland, floodplain, wild and scenic river and wetland ordinances, in addition to their own building and zoning codes, to control development and protect the environment.

Depending upon the size and the type of wetland or water basin affected by a proposed action, a permit applicant could be faced with working with a number of possible combinations of regulatory agencies. Your DNR area hydrologist can help you to determine which agencies to contact regarding your project.

Who to Contact About Land and Water Development/Alteration Questions



NOTES:

Individuals who own or control land adjacent to basins (lakes or wetlands) or watercourses should contact the agencies listed in this brochure to inquire about specific land and water regulations. Every agency may not have specific regulatory authority.

1. DNR AUTHORITY - the regulatory authority of the Minnesota DNR is measured from the Ordinary High Water Level (OHW) which is defined as the elevation delineating the highest water level which has been maintained for a sufficient period of time to leave evidence upon the landscape. Generally, it is the point where the natural vegetation changes from predominantly *aquatic* to *terrestrial* vegetation. The OHW is the elevation from which building and sewage setbacks are measured.

CORPS AUTHORITY - the regulatory authority of the U.S. Army Corps of Engineers is determined after a water basin has been delineated (based on the basin soils, vegetation and hydrology) by Corps personnel. The regulatory authority of the Corps ends at the water basin boundary, including the aquatic fringe which may be above the OHW. Local units of government should also be contacted, but in most instances, do not regulate activities within a basin.

2. The 100-year or regional flood is the record event in which there is a one-percent chance of being equaled or exceeded in any given year. The 100-year flood elevation is higher than the OHW and is used to determine the boundaries of the floodplain, which is usually regulated by a local floodplain ordinance.

3. A benchmark is an established (or assumed) reference point or elevation most commonly expressed in feet above mean sea level. Benchmarks are commonly used by surveyors and building officials to locate the OHW and 100-year flood elevations.

4. The record low water level illustrates that actual basin water levels fluctuate, but the regulatory basin boundary or OHW does not.

WARNING:

Any drainage activity including maintenance on wetlands may affect a landowners receipt of USDA benefits under the 1985 Food Security Act (FSA) as amended. Before commencing any activity affecting drainage on your land, contact your local USDA-Soil Conservation Service and refer to their fact sheet entitled "FSA Wetland Determinations and Agriculture Service." (May, 1990).

January 1992

Combined Joint Notification

The DNR and the Board of Water and Soil Resources, in cooperation with the U.S. Army Corps of Engineers, have developed the "Combined Joint Notification" form. A sample is shown in Appendix C on page 19. This form allows a potential applicant to notify all regulatory agencies of a project. The applicant is responsible for sending a copy of the form, with duplicates of all plans, drawings, etc. to each agency listed on the back of the form. The form enables regulatory agencies to determine jurisdictional authority over a proposed project. The agencies then notify the applicant of their jurisdictional interest, and the need for any additional application forms, project information and fees. Notification forms are available from the agencies listed on page 18.

How to Fill Out the Form

Applicant: The name of the individual who owns the property. If the owner is a company, the company name should be placed here (i.e.. Smith, John L. or Smith Inc.).

Authorized Agent: The individual who should receive all permit correspondence. There is no need to fill out this section if the authorized agent is the same as the applicant.

Telephone Number and Address: Those of the applicant or authorized agent.

Location of Proposed Project: This should be clearly marked on a United States Geological Survey Topographic map available from the Minnesota Geological Survey. The legal description of the property (including government lot, quarter sections, section, township, range, lot number, block, subdivision) can be obtained from the county auditor.

Estimated Project Cost: Enter the total estimated cost excluding permit fees. The estimate should be based on the project area below the ordinary high water level. The DNR Protected Waters permit fee is set by the cost and extent of the project and are explained on pages 13 and 15.

Do not send any fees with the application—regulatory agencies will notify an applicant if fees are due.

Length of Shore Affected: The length of affected shoreland.

Volume of Fill or Excavation: An estimate of the volume to be filled or excavated in cubic yards.

Area Filled or Excavated is ___ Acres, or ___ Square Feet: This is a measurement of the surface area that will be affected by the proposed project.

Type of Work and Area: Describe the proposed project by placing a check next to each type of activity. Be sure to include a written description, blueprints, drawings, and/or sketches of the proposed project.

Note: All sites for fill or excavated material must be identified on the maps and/or drawings.

Project Purpose: A complete explanation of why the project is needed. This section should also outline any benefits that may be achieved.

Alternatives: Outline alternate project sites or methods of performing the proposed project. Alternate plans should be directed toward minimizing any adverse impacts on the environment.

Dates: The proposed beginning and ending project dates. Any work that has already been started or completed must be identified on the maps or drawings submitted.

Adjoining Property Owners: The names and addresses of adjacent property owners. In certain instances, adjacent property owners are allowed the opportunity to comment on the proposed project.

Permits: For any permits already received place an 'R' or already applied for place an 'A'. This information helps agencies coordinate the project review and prevent late permit applications.

Signature: The applicant or authorized agent must sign.

Examples of completed forms are found in Appendices D and E. After completing the form, send it to all of the agencies listed on page 18. Photocopies of map, deeds, tax statements, etc. are acceptable.

Please refer to the checklist on page 17 to make sure that each regulatory agency receives all information required to evaluate the project.

DNR Permits

A DNR permit is required if the project falls under DNR jurisdiction. The DNR has two permits:

Protected Waters Permit—for activities at or below the ordinary high water level that alter the course, current or cross section of public waters and public waters wetlands.

Water Appropriation Permit—for irrigation and nonirrigation activities which use water in excess of 10,000 gallons per day or one million gallons per year. (The DNR uses separate application forms.)

Each permit application requires the same information as the Combined Joint Notification form. Following the "How To Fill Out The Form" in the previous section will help to complete DNR applications. While a fee is not required to file a Combined Joint Notification form, fee payment must accompany DNR permit applications. The DNR Water Appropriation Permit application requires additional information. On the following pages, you will find detailed explanations of both permits and the information required.

The DNR permit application process takes at least sixty (60) days to complete. The DNR notifies local, state and federal agencies of the DNR application. The agencies are given thirty (30) days to review and comment. The remaining time is used by the DNR to reach a final permit decision—issue the permit, issue a limited permit, or permit denial. The applicant may not proceed with the project until a permit is issued.

A permit issued from the DNR applies only to activities regulated by the DNR. A DNR permit does not give authorization for work outside of the Department's jurisdiction. It is the permit applicant's responsibility to make sure all required local, state and federal project authorizations have been obtained before beginning work. The Combined Joint Notification form can be used to notify all agencies or the DNR area hydrologist can assist in deciding which agencies need to be contacted.

DNR Protected Waters Permit Application

The DNR administers the Protected Waters Permit Program for activities at or below the ordinary high water level which will alter the course, current or cross-section of Minnesota's public waters and public waters wetlands. Public waters and public waters wetlands were inventoried by the DNR in the early 1980's and are shown on Protected Waters Inventory Maps. The boundaries of the protected water bodies shown on these maps are plotted as accurately as possible, but are still approximate.

A protected water body boundary coincides with the ordinary high water level of the water body as defined in Minnesota Statutes and is determined by DNR field inspection or survey.

These maps are available from:

Minnesota Department of Natural Resources
Division of Waters
500 Lafayette Road
St. Paul, Minnesota 55155-4032

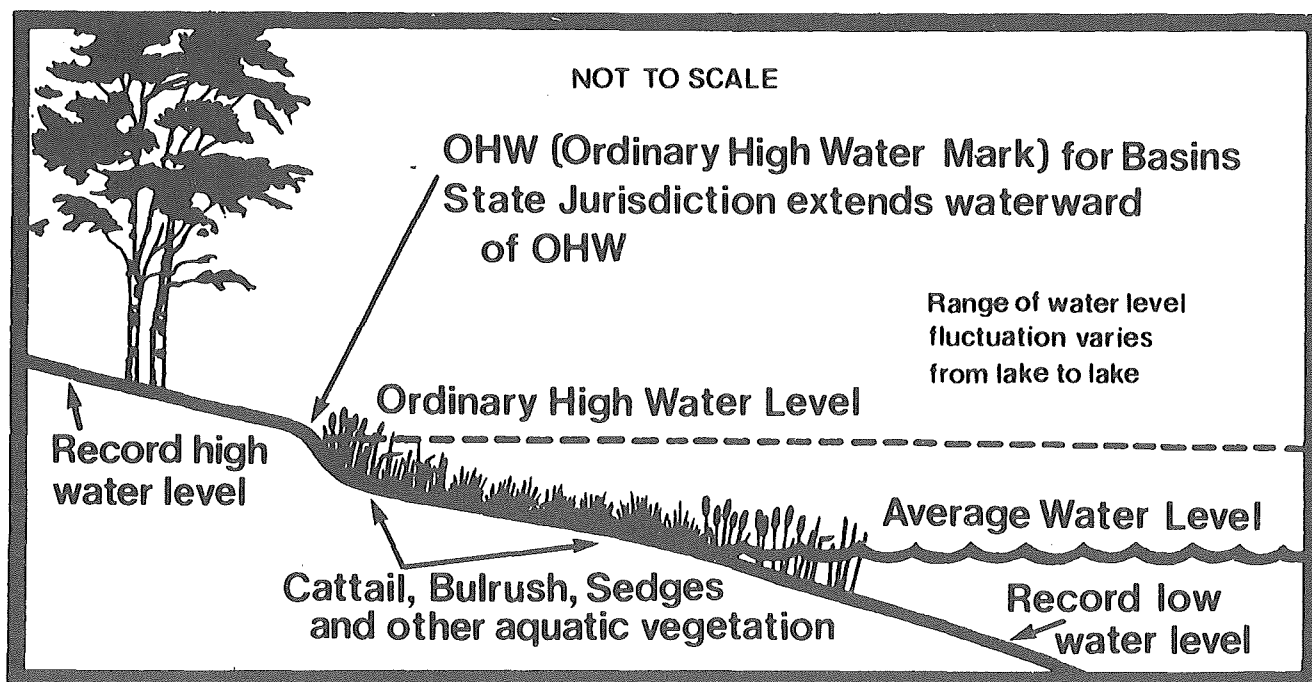
or by calling, 296-4800 (Metro Area)
1-800-766-6000 (Minnesota Toll Free)

or TDD (Telecommunications Device for Deaf)
296-5484 (Metro Area)
1-800-657-3929 (Minnesota Toll Free)

The maps may also be viewed and photocopied at DNR regional offices. Office locations are found on page 16.

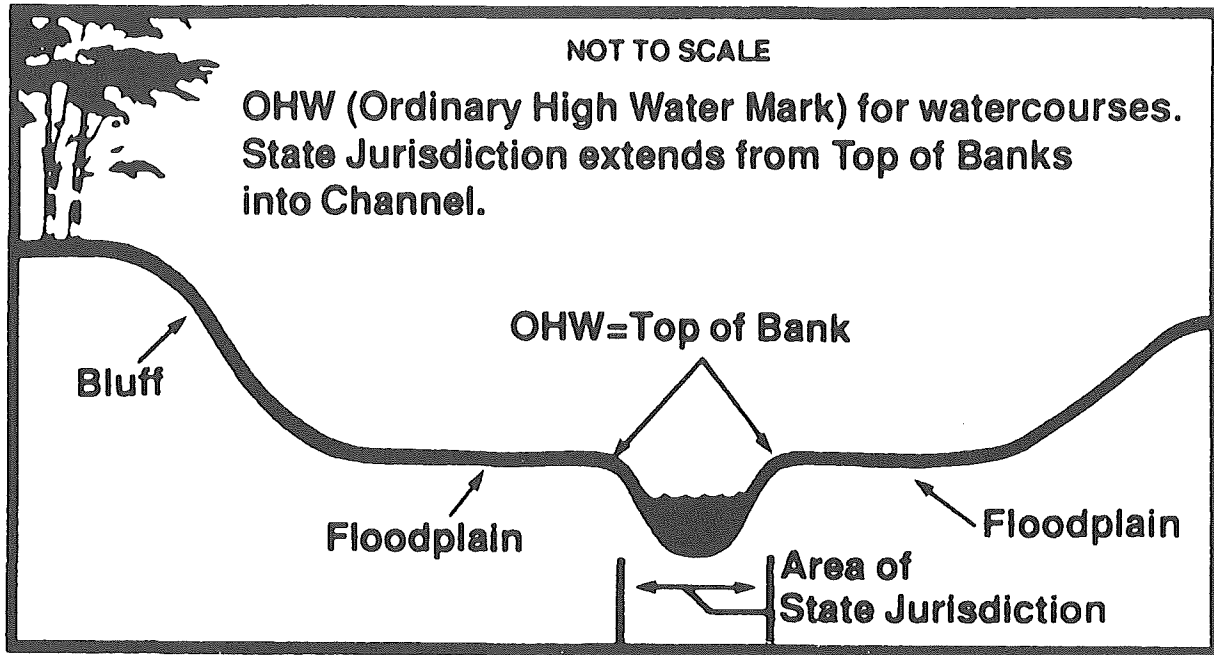
Ordinary High Water Level (OHW)

The DNR OHW is the elevation of the highest water level which has been maintained for a sufficient period of time to leave evidence upon the landscape. This is generally the point where the vegetation changes from wetland to upland.



Watercourse Ordinary High Water Level

For watercourses, the DNR OHW is the elevation of the top of the bank of the channel. For reservoirs and flowages, the DNR OHW is the operating elevation of the normal summer pool.



Wetland

Wetlands are defined by types. The DNR is responsible for regulating and protecting designated types 3, 4, and 5 wetlands which are 10 or more acres in size in unincorporated areas, or 2.5 or more acres in size in incorporated areas. **CAUTION:** Please remember that all wetland types are regulated to some extent by various federal and state agencies as well as local units of government. Your DNR area hydrologist can help you to determine which agencies to contact regarding your project.

The wetland types are defined as:



Type 1— Seasonally flooded basins or flats. Soil is covered with water or is waterlogged during variable seasonal periods, but usually is well-drained during much of the growing season. The range of vegetation varies greatly from bottom-land hardwoods to herbaceous growths according to season and duration of flooding.



Type 2— Inland fresh meadows. Soil is usually without standing water during most of the growing season but is waterlogged within at least a few inches of surface. Vegetation includes grasses, sedges, rushes and various broad-leaved plants. Meadows may fill shallow basins, sloughs, or farmland sags.



Type 3— Inland shallow fresh marshes. Soil is usually waterlogged early during growing season; often covered with as much as 6 inches or more of water. Vegetation includes grasses, bulrushes, spikerushes and various other marsh plants such as cattails, arrowheads, pickerelweed and smart-weeds. These marshes may nearly fill shallow lake basins or sloughs.



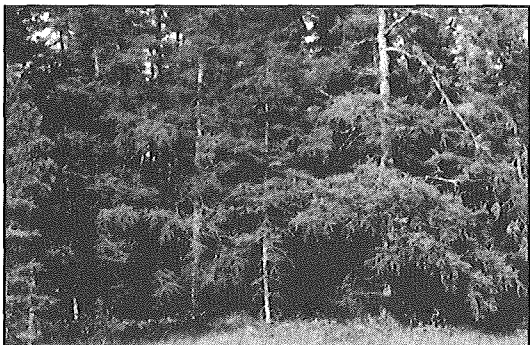
Type 4— Inland deep fresh marshes. Soil is usually covered with 6 inches to 3 feet or more of water during growing season. Vegetation includes cattails, reeds, bulrushes, spikerushes and wildrice. In open areas, pondweeds, naiads, coontail, water-milfoils, duck weeds, waterlilies or spatterdocks may occur.



Type 5— Inland open fresh water. Shallow ponds and reservoirs are included in this type. Water is usually less than 10 feet deep and fringed by a border of emergent vegetation similar to open areas of Type 4. (such as: cattails, bullrushes, spikerushes, and wild rice.)



Type 6— Shrub swamps. Soil is usually water-logged during growing season and is often covered with as much as 6 inches of water. Vegetation includes alders, willows, buttonbush, and dogwoods. Occur in basins along sluggish streams and occasionally on flood plains.



Type 7— Wooded swamps. Soil is waterlogged at least to within a few inches of surface during growing season and is often covered with as much as 1 foot of water. Occur mostly along sluggish streams, on flood plains, on flat uplands and in shallow basins. Trees include tamarack, arborvitae, black spruce, balsam, red maple and black ash. Northern evergreen swamps may have a thick ground cover of mosses. Deciduous swamps frequently support beds of duckweeds and smartweeds.



Type 8— Bogs. Soil is usually waterlogged and supports a spongy covering of mosses. Occur mostly in shallow basins, on flat uplands and along sluggish streams. Vegetation is woody or herbaceous or both. Typical plants are heath shrubs, sphagnum moss and sedges. In the north, leather-leaf, Labrador-tea, cranberries, carex and cotton-grass are often present. Scattered, often stunted, black spruce and tamarack may occur.

Further explanation of wetland types can be found in the DNR brochure "Wetland Types and Definitions" or in the "Circular 39, Wetlands of the United States", 1971 Edition, U.S. Department of Interior.

Activities Requiring DNR Protected Waters Permits

Any work done below the ordinary high water level that changes the course, current or cross-section of DNR protected waters and/or wetlands requires a DNR Protected Waters Permit.

Typical projects include: Bridges, culverts, road fill, dredging, structures, shoreland modification and retaining walls.

Activities For Which A DNR Protected Waters Permit Cannot Be Issued

In general, protected waters permits will not be issued for activities that do not promote the public health, interest and safety and will have detrimental effects on aesthetic and physical characters of public waters and public waters wetlands.

Filling Projects—cannot be issued if:

1. Goal is to achieve vegetation control.
2. Creates upland areas.
3. Stabilizes beds of protected waters that cannot support fill materials because of excessive depths of muck, steep bank, bed slope, or other conditions.
4. Attempts to stabilize or impound the site of active springs.
5. Used for disposal of rock, sand, gravel or any other solid material.
6. Is in a posted spawning area.
7. Will construct a roadway or pathway, create or improve land accesses from shorelands to islands, or facilitate land transportation across the waters.
8. Will create additional flood hazard or is located in a designated floodway.

Excavation Projects—cannot be issued if:

1. Intent is to gain access to navigable water depths when access can be reasonably attained by alternative means which would result in less environmental impact.
2. Inland excavation is meant to extend the bank of the water, or to subdivide and develop lands that are not presently adjacent to the body of water.
3. Animal habitat, or protected vegetation will be hurt and solutions to minimize the effects are not possible, practical, or ecologically acceptable.
4. Desire is to control or eliminate vegetation for development purposes.
5. Not an effective solution; such as, recurrent sedimentation or if other feasible and practical solutions are available that do not require excavation.
6. Would cause increased seepage and lower the level of protected waters resulting in subsurface drainage.

Structures in Protected Waters—cannot be issued when:

1. Obstructs navigation or creates a water safety hazard.
2. Detrimental to habitat or protected vegetation. (Construction is prohibited in posted fish spawning areas).
3. Will be used for human habitation or as a boathouse.
4. Includes walls, a roof, or sewage facilities.

Water Level Controls—cannot be issued if:

Intent is to control water levels solely for private interests.

Crossings—cannot be issued if:

1. Obstructs navigation or creates a water safety hazard.
2. Causes or adds to an increase in up or downstream flood elevation and damage.
3. Making channels that go beyond minor realignments.
4. Hurts either the water quality, habitat, or protected vegetation.

Drainage—total drainage of protected water basins and wetlands is not permitted. Exceptions can be found in certain provisions of Minnesota Statutes.

Activities Not Requiring A DNR Protected Waters Permit

*NOTE: Other agencies may require permits.

Beach Sand Blankets

- Clean, inorganic sand or gravel free of pollutants and nutrients.
- No more than 6 inches thick, 50 feet wide along the shore or one-half the lot width (whichever is less), and 10 feet waterward of the Ordinary High Water Level.
- Local watershed district and zoning officials given at least 7 days prior notice.
- Site is not a posted fish spawning area.
- Installation of sand or gravel may only be repeated once at same location, not exceeding same amount and dimensions of the original sand blanket.

Rock Riprap (for shore protection)

- Natural rock only, at least 12 inches diameter or larger.
- No more than 5 feet waterward of the Ordinary High Water Level.
- Conforms to natural alignment of shore and does not obstruct flow of water.
- Minimum finished slope no steeper than 3:1 (horizontal to vertical).
- Site is not a posted fish spawning area, designated trout stream, nor along the shore of Lake Superior.

Streams With a Watershed Less Than 5 Square Miles (3,200 acres).

No permit is required to construct a bridge or culvert, or to fill or excavate the bed of a protected watercourse having a total drainage area, at its mouth, of 5 square miles or less, provided:

- County zoning officials and the local soil and water conservation district are given at least 7 days prior notice and determine the project will not result in downstream erosion or sedimentation.
- The project will not divert the water to a different watershed.
- The project will not impound water by damming the watercourse.
- The watercourse is not an officially designated trout stream.

Debris Removal

No permit is required to remove debris such as trees, logs, stumps and trash as long as the original alignment, slope or cross-section of the lake, marsh or stream bed is not altered.

Repair of Public Drainage Systems

No permit is required to repair a lawfully established public drainage system (Judicial Ditch, County Ditch, etc.) provided:

- The repair complies with the definition set forth in Minnesota Statutes, 103E.701, Subdivision 1 (Public Ditch Law).
- The repair does not affect significant fish and wildlife habitat or protected vegetation (such as state or federal wildlife management areas, designated scientific and natural areas, etc.).

Seasonal Docks and Floating Structures

- Removed from water on a seasonal basis (before winter freeze-up).
- All components removable from lake or stream bed by nonmechanized means.
- Will not be a hazard to navigation or endanger public health and safety.
- Site is not a posted fish spawning area.
- Will not include fuel handling or sewage facilities.
- Is not used or intended to be used for human habitation, as a boathouse or as a marina.
- Allows for free flow of water beneath it.

Permanent Docks (on lakes only)

- Dock is a single linear structure not more than 6 feet wide.
- Does not exceed 50 feet in length, or extend into water that is more than 4 feet deep, whichever is less.
- No more than one dock per waterfront lot.
- Will not obstruct navigation or create a water safety hazard.
- Site is not a posted fish spawning area.
- Will not include fuel handling or sewage facilities.
- Is not used or intended to be used for human habitation, as a boathouse, or as a marina.
- Allows for free flow of water beneath it.
- Lake must be 500 acres or larger if dock is built on wood pilings.
- Lake must be 2,500 acres or larger, and site must preclude the use of a dock on wood pilings if dock is built on rock filled cribs.

Boat Ramps

Privately Owned Ramps

- Site can support ramp without pilings, dredging, or other special site preparations.
- Constructed only of gravel, natural rock, concrete, steel matting, or other durable inorganic material.
- No more than 6 inches thick, 12 feet wide along shore, and 10 feet waterward of the Ordinary High Water Level or into water depth of 4 feet, whichever is less.
- No more than 5 cubic yards of excavation and 5 cubic yards of fill allowed for a stable base.
- Site is not a posted fish spawning area.

Publicly Owned Ramps

- Same as above, except ramp can be up to 24 feet wide and 20 feet waterward of the shoreline or into water depth of 4 feet, whichever is less, with up to 30 cubic yards of fill and 60 cubic yards of excavation.

Removal of Existing Structures

- The original lake, marsh or stream bed is restored.
- All parts of the structure, including footings or pilings, are removed.
- The structure is not a water level control device and is not on an officially designated trout stream.

Water Level Control Structures (on streams only)

- Contributing watershed above the structure is 300 acres or less.
- Structure is not considered a "dam" under State Dam Safety rules.
- Structure is not on an officially designated trout stream.

Low Water Ford Crossings (on streams only)

- No special site preparation necessary.
- Normal summer flow does not exceed 2 feet in depth.
- Normal low flow is not restricted or reduced.
- Crossing conforms to the shape of the natural stream channel.
- Original stream bank no higher than 4 feet.
- Constructed only of gravel, natural rock, concrete, steel matting or other durable, inorganic material not more than 1 foot thick.
- Graded finished slope no steeper than 5:1 (horizontal to vertical).
- Graded banks must be seeded or mulched.
- Not an officially designated trout stream, wild, scenic or recreational river or officially designated canoe and boating route.

Temporary Bridges (on streams only)

- Stream bank can support bridge without pilings, foundations, culverts, excavation, or other special site preparations.
- Nothing is placed in the bed of the stream.
- Capable of removal for maintenance and flood damage prevention.
- Bridge is firmly anchored at one end and can swing away during flooding.
- Minimum 3 feet of clearance between lowest portion of bridge and normal summer stream flow.
- Consistent with floodplain, shoreland, and wild, scenic or recreational river ordinances.

Maintenance of Storm Sewers, Agricultural Drain Tile and Ditch Outlets

- Outlet must have been maintained and functioning within the last 5 years.
- Maintenance work does not alter the original course, current or cross-section of the lake, marsh or streambed.

Installation of Agricultural Drain Tile Outlets

- Outlet involves no construction of an open ditch and is not intended to drain a protected water or wetland.
- Bank is restored to the natural slope.
- Installation does not require channelization, dredging or filling.
- Except for the tile, no permanent structure is placed in the lake, marsh or stream bed.

All projects described here must be done below the ordinary high water level. Any work done above the ordinary high water level is subject to approval from the local government's zoning authority and may fall under the 1991 Wetland Conservation Act. Contact the local zoning authority for the requirements for projects done landward of the ordinary high water level.

BEFORE INITIATING ANY PROJECT, contact a DNR Regional Hydrologist found on page 16.

DNR Protected Waters Permit Application Fees

Permit fees are used to cover administrative expenses of the Protected Waters Permit Program. All fees are deposited into the state's general fund.

When building or repairing a dam or adding riprap shore protection, or filling to recover shoreland lost to erosion the fee is \$75. The maximum fee is \$100 for townships applying for road, bridge, or culvert projects.

All other projects have a \$75 minimum fee and a \$500 maximum fee based on project cost and size. Use the following formulas to calculate the DNR application fee.

Project cost: \$_____ X 1%	A) \$_____
Length of shoreland affected: _____ feet X 75 cents per foot	B) \$_____
Volume of material filled or excavated: _____ cubic yards X 75 cents	C) \$_____

NOTE: When calculating fees for channel excavation projects:

1. The shoreline affected is the difference in length between the existing channel and the new channel, and
2. The volume is the material filled or excavated below the ordinary high water level.

Determining Fees (consider A, B, and C individually):

- If A, B, or C each are less than \$75, the fee is \$75.
- If A, B, or C each are more than \$75 but less than \$500, the fee is the largest amount of either A, B, or C.
- If A, B, and C each are more than \$500, the fee is \$500.

The DNR will not be able to begin processing an application until all fees have been received.

Field Inspection Fees

The Department charges for field inspections for any project which:

- 1) Requires an environmental assessment worksheet (EAW) or an environmental impact statement (EIS) in accordance with Minnesota Statutes;
- 2) Is undertaken without a permit, or;
- 3) Is undertaken in excess of an issued permit.

The fee will include the all costs of the inspection. The minimum field inspection fee is \$100.

DNR Water Appropriation Permit Applications

DNR Water Appropriation Permits are needed for activities which use water in excess of 10,000 gallons per day or one million gallons per year. Regulations require all users to employ the best available means and practices for efficient use of water. Reducing demand can lower the need to develop additional water supplies. This will save money and conserve water resources for future use.

The Commissioner of the DNR is responsible for:

- developing a water resources conservation program, that includes: conservation, allocation, and development of waters for the best interests of Minnesota's people; and
- the development and management of water resources to assure an adequate supply to meet long-range seasonal requirements for domestic, municipal, industrial, agricultural, fish and wildlife, recreational, power, navigation and quality control purposes from waters of the state.

Water Allocation Priorities

If a water emergency should occur, the DNR may restrict or suspend low priority water users. This is to protect essential water for domestic use. Priorities as established by the legislature are:

- 1st Priority Domestic water—excluding industrial and commercial uses of municipal water supply.
Power Production—that meets contingency planning requirements.
- 2nd Priority A use that consumes less than 10,000 gallons per day.
- 3rd Priority Agricultural irrigation and processing of agricultural products involving consumption in excess of 10,000 gallons per day.
- 4th Priority Power production—exceeding contingency plan requirements.
- 5th Priority All other uses—consumption of 10,000 gallons or more per day, and including non-essential uses of public water supplies.

All permit holders are affected by these priorities during periods of limited water supplies.

Activities Requiring DNR Water Appropriation Permits

Using water from ground or surface water sources in amounts greater than 10,000 gallons per day or 1 million gallons per year requires a DNR water appropriation permit.

Typical projects include: agricultural irrigation, power generation, industrial processing, commercial use, domestic use, non-agricultural irrigation, dewatering and road construction.

Activities For Which A Permit Cannot be Issued

- Once-through heating and cooling systems using in excess of 5 million gallons per year.
- Out-of-state diversions of water.
- Uses inconsistent with approved state, regional, and local water or land resource management plans.
- Projects that would cause well interference or water use conflict.
- When conservation measures will not adequately protect soil and water resources.
- Permanent use of designated trout streams.
- Use from surface water basins exceeding one-half acre-foot per acre of the surface water basin.
- When the applicant does not own enough of the land adjacent to the water.
- Reasonable or in practical in protecting and promoting public welfare.

DNR Water Appropriation Permit Fees

The application fee is \$75 and should accompany the application. There is also an annual water use processing fee based on the amount of appropriated water. An Annual Water Use Report Form is sent to all permit holders each year. The annual report form and fee must be submitted even if no water is appropriated. The minimum fee (zero appropriation) is \$50 for non-agricultural irrigation permits and \$10 for agricultural irrigation permits. Field inspection fees can also be charged for water appropriation permit applications, see page 13.

Permit fees are used to cover administrative expenses of the Water Appropriation Permit Program. All fees are deposited into the state's general fund.

Additional Information Required

Before the application can be processed, the following items must be submitted:

1. A \$75 processing fee. Make the check or money order payable to the Minnesota Department of Natural Resources. **Please do not send cash.**
2. Proof of land ownership such as a tax statement or purchase document. If applicant does not own the land, a lease or rental agreement must be submitted.
3. A copy of the Water Well Record for each production well. This is a copy of the form the well driller is required to send to the Minnesota Department of Health. If you are unable to obtain the Water Well Record from the well driller or previous owner, submit a completed Water Well Information Form (available from the DNR).
4. Pumping rate in gallons per minute. Please note that Minnesota Statutes require installations for appropriating water to be equipped with flow meters unless another method is approved by the DNR-Division of Waters in writing. A Flow Meter Requirements brochure is available at all DNR offices.
5. A request for any changes, including:
 - changes in the authorized volume of water.
 - justification for increases to the currently authorized volume.

Specific Project Information

Irrigation Permit Information Required

1. A map outlining:
 - a) land owned
 - b) irrigated area
 - c) location of well(s) or taking point(s) of surface water.
2. Actual number of acres to be irrigated and type of irrigation system.
3. Type of crop(s) to be irrigated and the volume of water requested.
4. A soil and water conservation plan approved by your county soil and water conservation district.
5. A detailed schematic of the water supply/distribution system.

Public Water Supply Permits

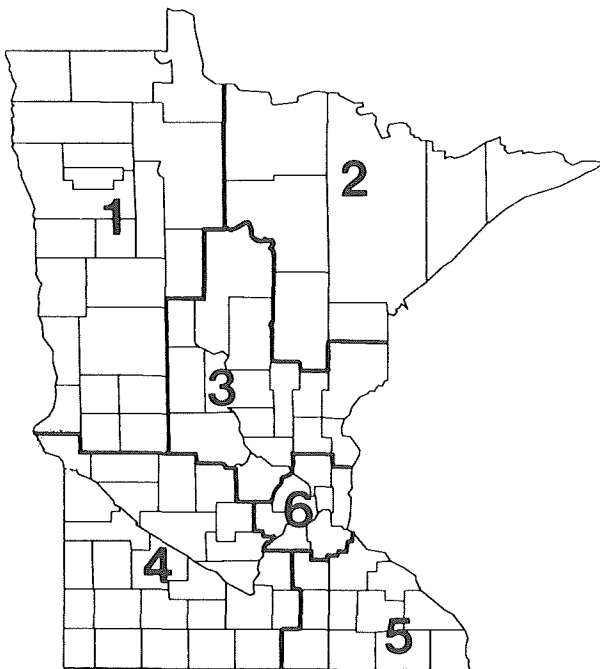
1. Statement of justification that includes information on the adequacy of the resource, amounts of use, alternative sources, and methods that are available to reach the objectives.
2. Details on emergency plans during water shortage periods. This should outline public information programs, priorities for limitations on discretionary water use and alternative sources of water for public supplies.

3. A conservation plan that has been adopted by the city council or water utility.
4. A copy of the current rate schedule and information on any proposed rate changes.
5. The number of connections and percent of total water use for residential, commercial and industrial customers.
6. The number of connections and percent of total water use for other types of users, such as golf course and park irrigation, recreational lake level maintenance, waste water treatment and water transferred to other supply systems.
7. The amount and percent of unaccounted for water. Provide information on water audits, leak detection programs and probable sources of water losses.
8. A five year projection of population growth and water requirements.
9. A map that shows the location of the proposed pump intake(s)/well(s) and all existing pump intake(s)/well(s).
10. Test pumping data and the proposed pumping rate in gallons per minute. State the reasons for selecting the proposed well location and provided analysis of potential interference with nearby wells, including other public water supply wells.

Contamination Pumpout Permits

1. The point of taking and the point of discharge.
2. The type and extent of the contamination plume.
3. A copy of all required discharge authorizations (e.g., MPCA, NPDES).

Before beginning any project, contact the regional hydrologist at the appropriate DNR regional office. Any work exceeding the above conditions and/or any work in protected waters without a permit is a violation constituting a misdemeanor and is punishable by imposition of fines up to \$700 and/or 90 days in jail.



DNR REGIONS

DNR Regional Offices

REGION 1	2115 Birchmont Beach Road N.E. Bemidji, MN 56601 (218) 755-3973
REGION 2	1201 East Highway 2 Grand Rapids, MN 55744 (218) 327-4416
REGION 3	1601 Minnesota Drive Brainerd, MN 56401 (218) 828-2605
REGION 4	Box 756, Highways 15 South New Ulm, MN 56073 (507) 359-6053
REGION 5	P.O. Box 6247 Rochester, MN 55903 (507) 285-7430
REGION 6	1200 Warner Road St. Paul, MN 55106 (612) 772-7910
CENTRAL OFFICE	500 Lafayette Road St. Paul, MN 55155-4032 (612)296-4800

APPENDIX

CHECKLISTS

Combined Joint Notification

- All blanks on the Combined Joint Notification form or DNR application have been completed.
- An accurate description and location of proposed project is provided.
- All necessary plans, blueprints and sketches of the proposed project have been included.
- The notification form has been signed and dated.
- The forms are being sent to all the necessary regulatory agencies.
- Addresses of agencies are correct.

DNR Permits

DNR Protected Waters Permit

- Complete "Project Notification Application" checklist found above.
- Double-check fee calculations and include fee.

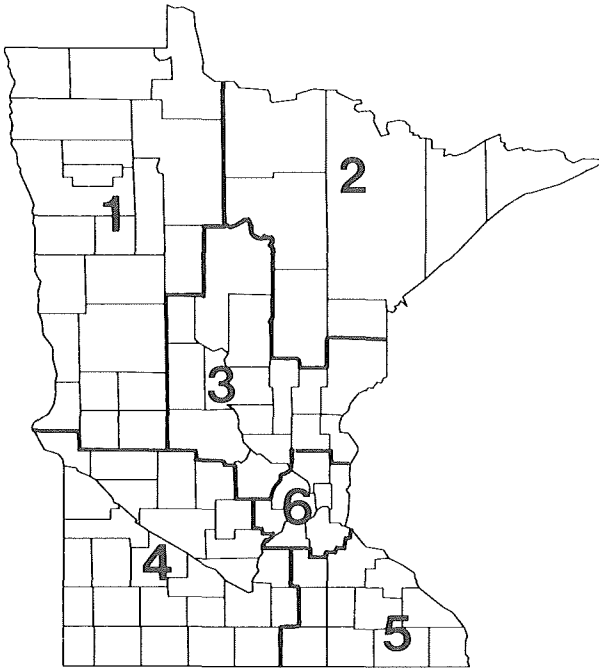
DNR Water Appropriation Permit

- Complete "Project Notification Application" checklist found above.
- The \$75 processing fee.
- Proof of land ownership.
- Copy of Water Well Record for each well.
- Pumping rate in gallons per minute for each well.
- Request for any changes, including:
 - changes in the authorized volume of water, and
 - justification for increases to the currently authorized volume.

FEDERAL AGENCIES

U.S. ARMY CORPS OF ENGINEERS
1421 U.S. Post Office and Customs House
St. Paul, MN 55101-1479
(612) 220-0375

U.S.D.A. - SOIL CONSERVATION SERVICE
600 Farm Credit Service Building
375 Jackson Street
St. Paul, MN 55101
(612) 290-3675



DNR REGIONS

STATE AGENCIES

DNR - DIVISION OF WATERS
Central Office
500 Lafayette Road
St. Paul, MN 55155-4032
(612) 296-4800

DNR - DIV. OF FISH & WILDLIFE
Ecological Services Unit
500 Lafayette Road
St. Paul, MN 55155-4025
(612) 296-2835

DNR - WATERS, and FISH & WILDLIFE REGIONAL OFFICES

REGION 1
2115 Birchmont Beach Rd. N.E.
Bemidji, MN 56601
(218) 755-3973

REGION 4
Highway 15 South, Box 765
New Ulm, MN 56073
(507) 359-6053

REGION 2
1201 East Highway 2
Grand Rapids, MN 55744
(218) 327-4416

REGION 5
P.O. Box 6247
Rochester, MN 55903
(507) 285-7430

REGION 3
1601 Minnesota Drive
Brainerd, MN 56401
(218) 828-2605

REGION 6
1200 Warner Road
St. Paul, MN 55106
(612) 772-7910

STATE BOARD OF WATER AND SOIL RESOURCES (BWSR)
155 South Wabasha Street
St. Paul, MN 55107
(612) 296-3767

LOCAL UNITS OF GOVERNMENT

SOIL AND WATER CONSERVATION DISTRICT (SWCD), WATERSHED DISTRICT, AND WATER MANAGEMENT ORGANIZATION (WMO), contact BWSR for SWCD, Watershed District, and WMO telephone numbers.

COUNTIES

Contact County Zoning Official, or the Association of Minnesota Counties at (612) 224-3344 if unknown.

CITIES

Contact City Zoning Official, or the League of Minnesota Cities at (612) 473-7358

TOWNSHIPS

Contact Township Board, or the Minnesota Association of Townships at (612) 497-2330 if unknown.

***NOTE** - In addition to the numbers listed above, check the government listings in the local telephone directory for local field office telephone numbers.

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 / / ()

Address (Street, RFD, Box Number, City, State, Zip Code)

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision

Fire No., Box No., or Project Address County Work will affect ___lake ___wetland ___waterway ___ag production
 Waterbody Name, No. (if known)

III. ESTIMATED PROJECT COST: \$ LENGTH OF SHORE AFFECTED (in feet):

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions)

V: TYPE OF WORK AND AREA (Check all that apply): ___FILL ___EXCAVATE ___REPAIR ___CONSTRUCT
 ___REMOVE ___DRAIN ___DAM
 ___SHORELINE ___WETLAND ___WATERWAY ___DOCK ___CULVERT ___BRIDGE ___LAKE
 ___ACCESS PATH ___RIPRAP ___SAND BLANKET OTHER (describe): _____

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED: _____

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used:

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed).

VIII. DATES-- Activity proposed to begin on: Be completed:
 Has any of the work been done? NO ___ YES ___ (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).

Name Address City State Zip

1. _____
 2. _____

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: ___DNR ___ARMY CORPS
 ___COUNTY ___TOWN/CITY ___WATERSHED DISTRICT ___MN. POLLUTION CONTROL AGENCY.

Has an archaeological survey of the project site been done? ___ If so, by whom: _____

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

DATE: _____

Signature of Person Proposing Project or Agent

<<< PLEASE CAREFULLY READ AND COMPLETE BACK OF FORM >>>

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

 MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: _____

 WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: _____

 MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.

 YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.

 U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Signature of Applicant	Date	Signature of Agent	Date
------------------------	------	--------------------	------

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: _____ Agent's Title: _____

Address: _____

Telephone: (____) _____

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM

CULVERT CROSSING

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
Generic Township / Jane Person / (612) 555-1212

Address (Street, RFD, Box Number, City, State, Zip Code)
1056 County Road 12, Generic, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
SE 1/4 25 115N 25W

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
Carver Waterbody Name, No. (if known) Johnson Creek

III. ESTIMATED PROJECT COST: \$ 5,000 LENGTH OF SHORE AFFECTED (in feet):

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
(NOTE: You may substitute dimensions)

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
 SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
 ACCESS PATH RIPRAP SAND BLANKET OTHER (describe): replace

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used: (Fig. 1-3) A 50-year-old 5'x6' Box Culvert made of wood is to be replaced by a 5' diameter steel culvert. The old Culvert will be removed, and the new culvert installed by a licensed contractor with specifications as approved by the township.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):
The old box culvert is decaying and has become a hazard due to its current condition.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). NONE. The Box culvert is warped due to its age and therefore does not allow for full volume of water of a true 5' by 6' box culvert. The effect of replacing a 5' diameter culvert should have a minimal effect on total water flow. The flow line will not be altered. Appropriate construction and erosion control BMP's will be used during project construction

VIII. DATES-- Activity proposed to begin on: 4/1/93 Be completed: 5/1/93
Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
Name Address City State Zip
1. NA
2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
Has an archaeological survey of the project site been done? NO If so, by whom:

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Signature of Person Proposing Project or Agent: Jane Person DATE: 1/5/93

<<< PLEASE CAREFULLY READ AND COMPLETE BACK OF FORM >>>

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Small City
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Johnson Creek WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Signature of Applicant _____ Date _____ Jane Person _____ 1/5/93
Signature of Agent _____ Date _____

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: Jane Person Agent's Title: Twp. En

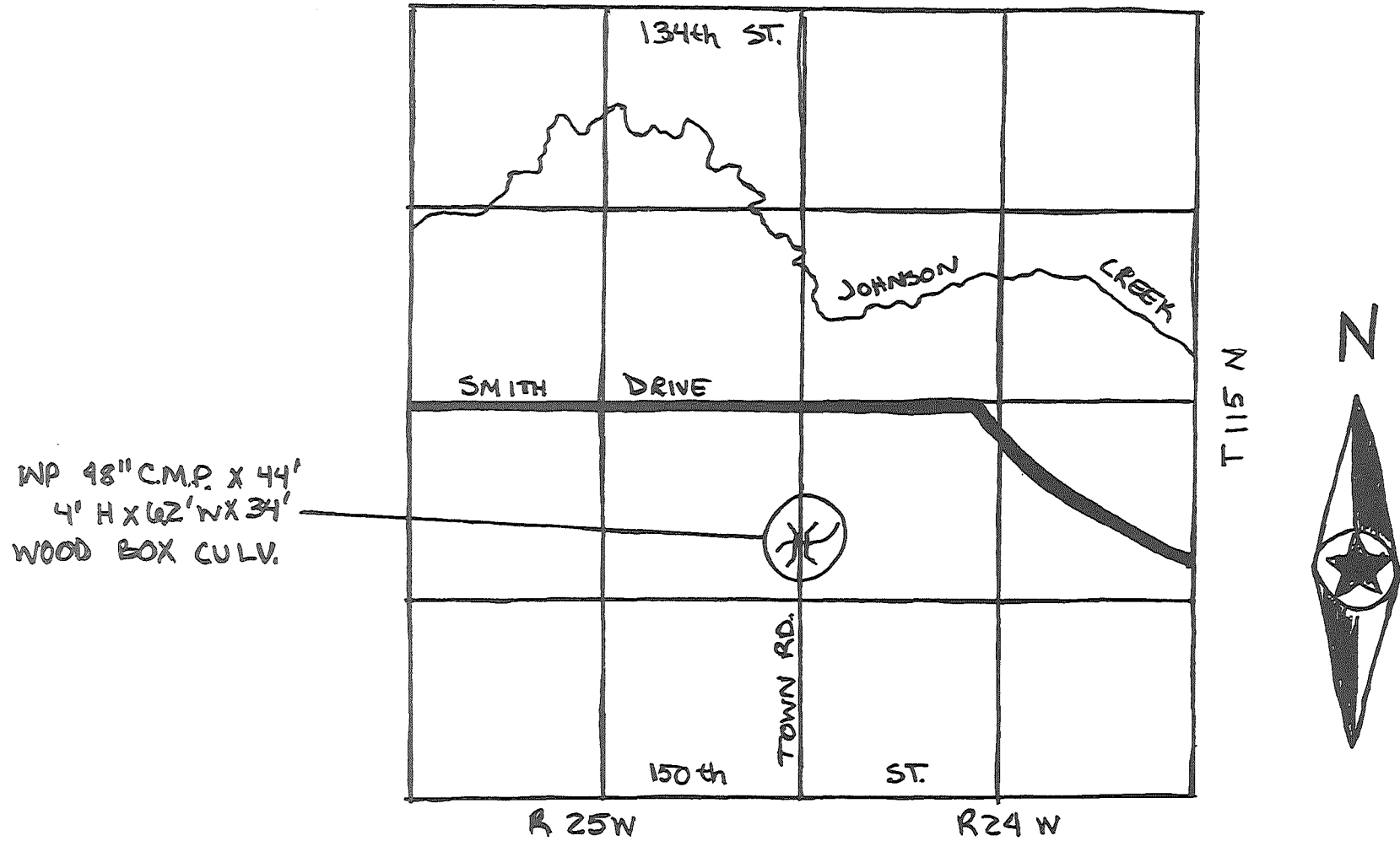
Address: 1056 County Road 12
Generic, MN 55555

Telephone: (612) 555-1212

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM

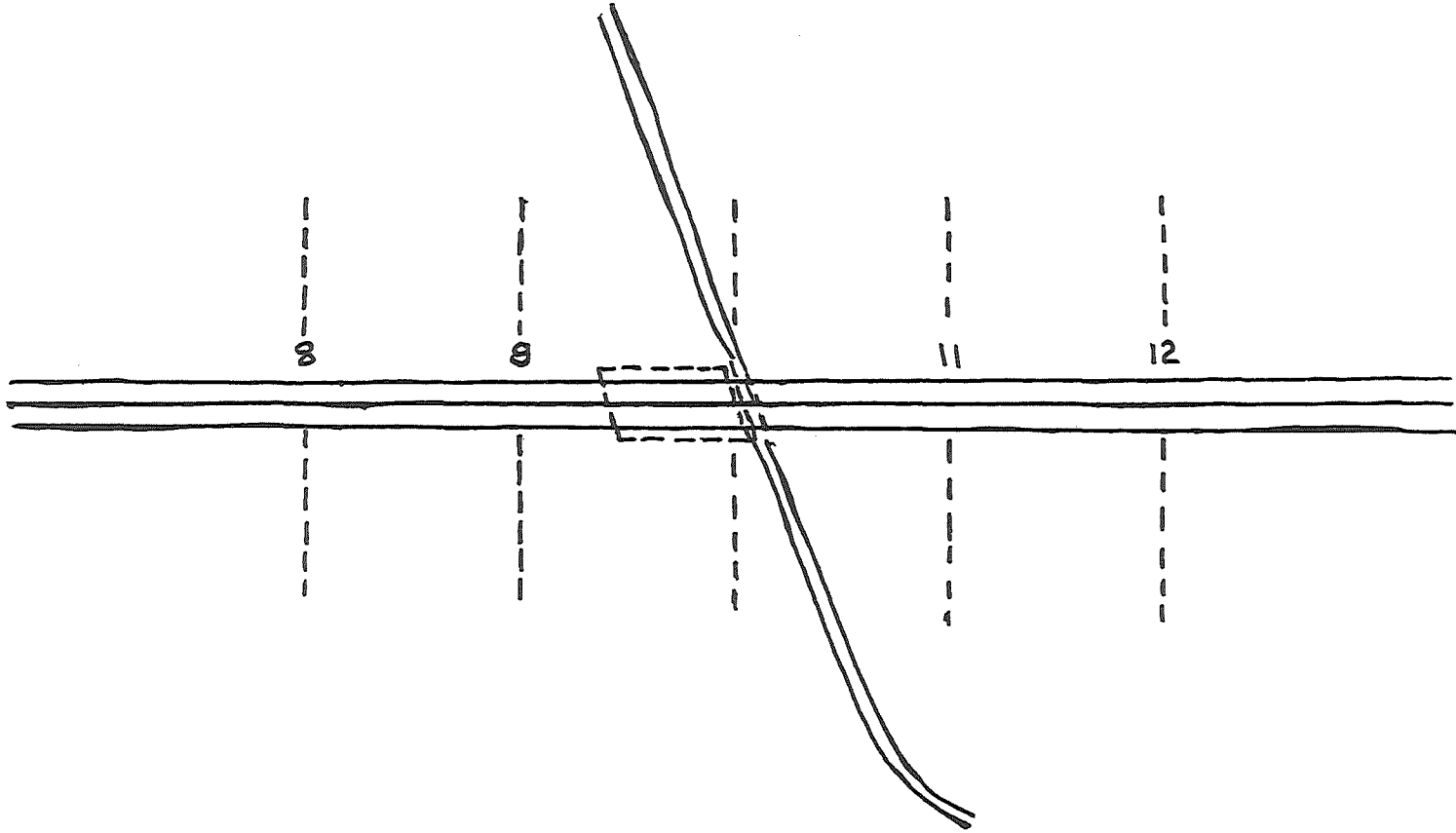
FIGURE 3



URE 4

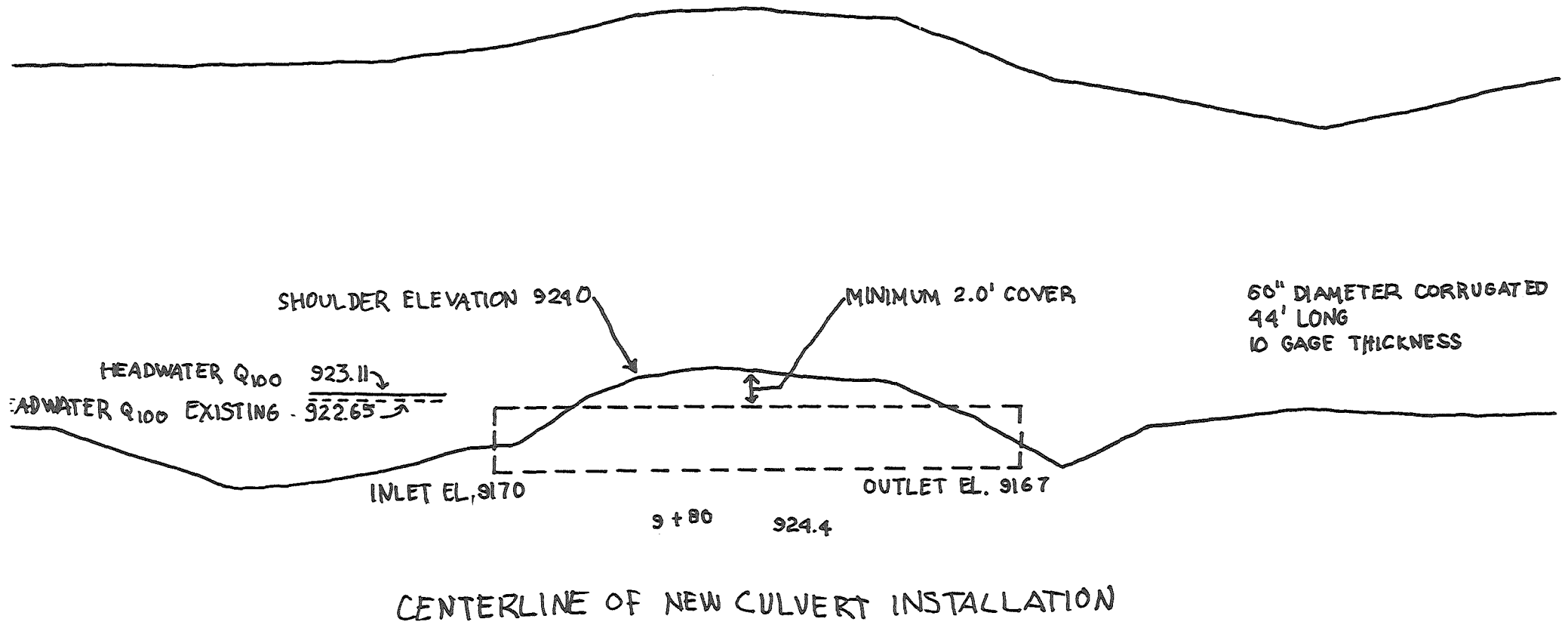
INP. 4'H. X 6.2' W X 39' L
WOOD BOX CULVERT

INP 48" C.M.P. X 49'



PLAN VIEW

Figure 5



ROADWAY IMPROVEMENT

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 MN / DOT / Dennis G. Larson, P.E. / (612) 779-1190

Address (Street, RFD, Box Number, City, State, Zip Code)
 3485 Hadley Avenue North, Oakdale, MN 55128

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
 T 30N, R 22W, S 16/21 T.H. 96 @ Birch Lake

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
 Ramsey Waterbody Name, No. (if known)

III. ESTIMATED PROJECT COST: \$3.5 Million LENGTH OF SHORE AFFECTED (in feet):

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions) 0.28 Acres Filled 0.33 Acres Created

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
 SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
 ACCESS PATH RIPRAP SAND BLANKET OTHER (describe):

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used:
 (See attachments.)

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):
 Improve T.H. 96 - Enhances Safety of Traveling Public.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed).
 Slopes were Steepened as Much as Possible.

VIII. DATES-- Activity proposed to begin on: May, 1993 Be completed: October, 1993
 Has any of the work been done? NO YES (identify any completed work on drawing).

LX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
 Name Address City State Zip
 1.
 2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
 COUNTY TOWN/CITY WATERSHED DISTRICT MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? If so, by whom:

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Dennis G. Larson DATE: 2 Nov 92
 Signature of Person Proposing Project or Agent

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

____ MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: _____

____ WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: _____

X MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.

____ YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.

X U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

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Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Dennis G. Larson 2 Nov 92 _____ _____
Signature of Applicant Date Signature of Agent Date

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: Dennis G. Larson, P.E. Agent's Title: Hydraulics Engineer

Address: 3485 Hadley Avenue North
Oakdale, MN 55128

Telephone: (612) 779-1190

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM



Minnesota Department of Transportation

Metropolitan District
Transportation Building
St. Paul, Minnesota 55155

Oakdale Office, 3485 Hadley Avenue North, Oakdale, Minnesota 55128
Golden Valley Office, 2055 North Lilac Drive, Golden Valley, Minnesota 55422

November 3, 1992

Reply to 779-1190
Telephone No. _____

DNR Building
500 Lafayette Road
Division of Waters, 3rd Floor
Box 32
St. Paul, MN 55155-4001

RE: S.P. 6224-37 (TH 96 Wetlands)

A joint notification form, maps and copies of plan sheets for this project are enclosed for your use. The reconstruction of TH 96 involves a minimal taking of 0.28 acres of wetlands. To mitigate this impact, we are enhancing an existing wetland within the same watershed by increasing its acreage by 0.33 acres.

Please review this project and provide your comments as soon as possible. This site has been reviewed by the joint Mn/DOT, FWS, DNR team. A copy of this notification is concurrently being sent to the DNR and the COE.

If you have any questions, or need any further information, please call me.

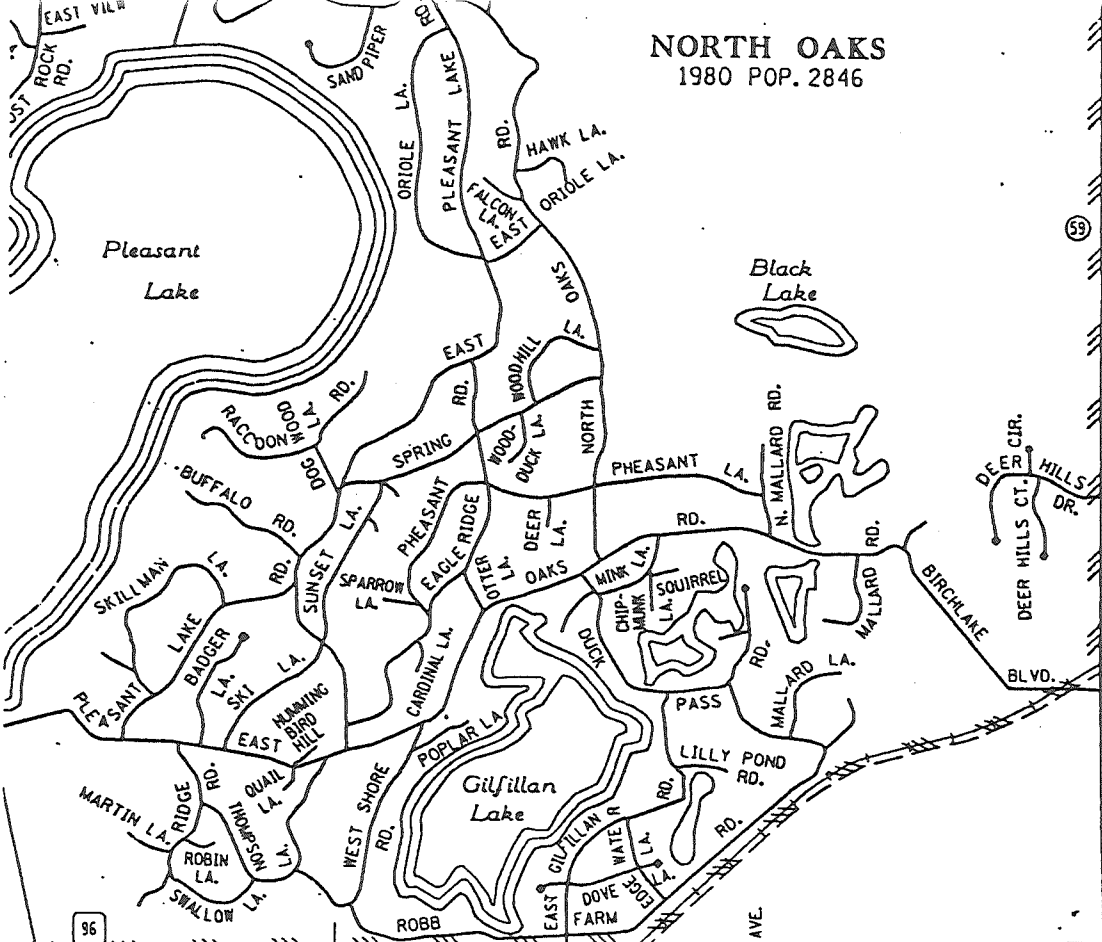
Sincerely,

Dennis G. Larson, P.E.
Oakdale Hydraulics Engineer
Mn/DOT Metro Division - Oakdale

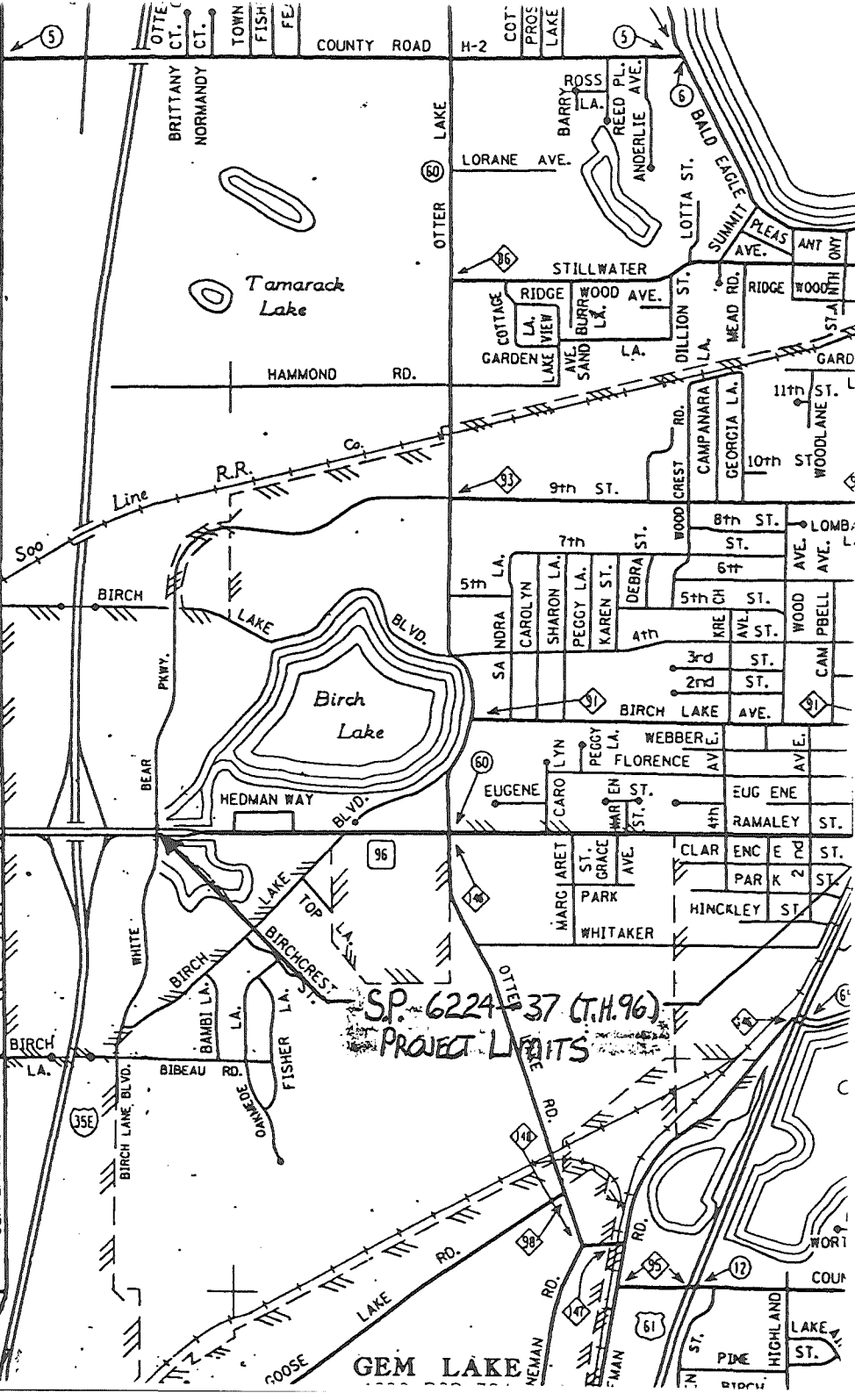
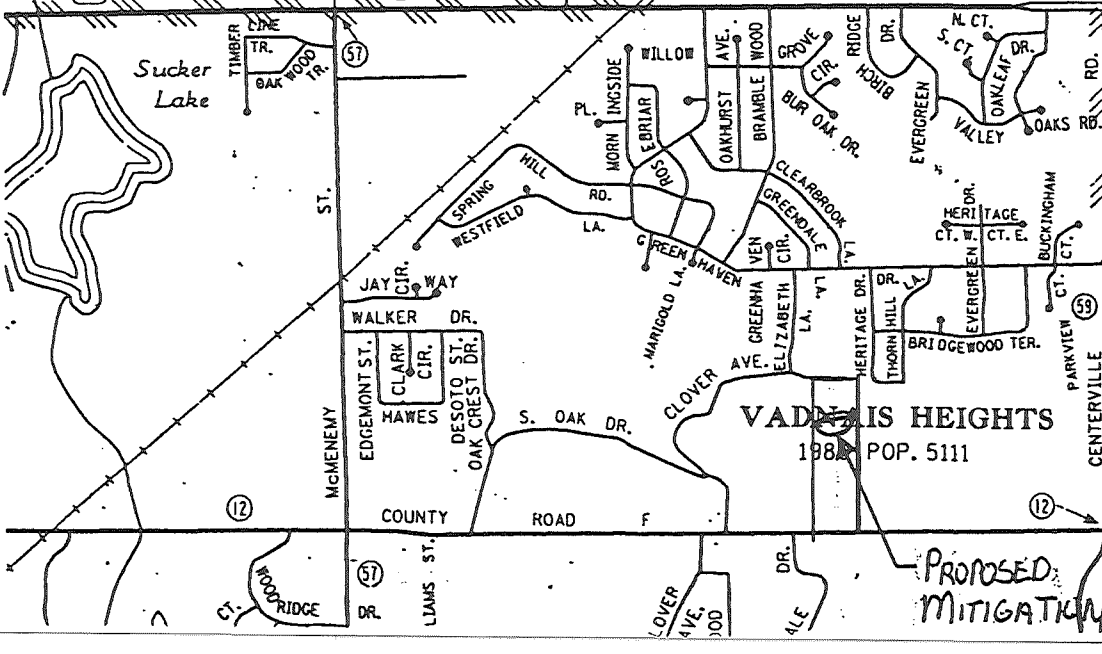
Att: Joint Notification Form
Location Maps and Plan Sheets
Copy of Permit Renewal from DNR
Copy of Field Review Contact Report

cc: File
Sarman Straumanis

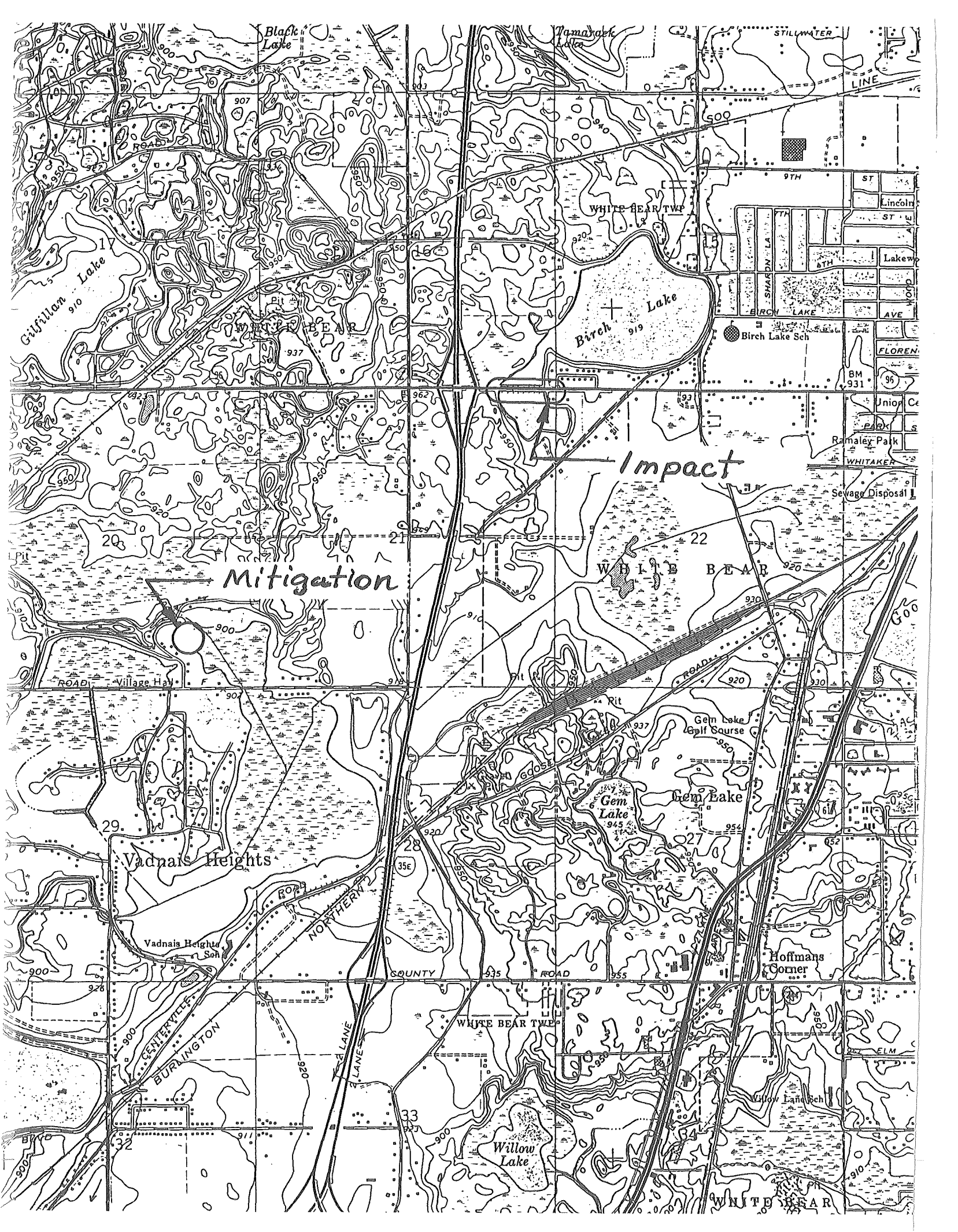
NORTH OAKS
1980 POP. 2846



VADEMEIS HEIGHTS
1980 POP. 5111



SP. 6224-37 (T.H.96)
PROJECT LIMITS



Mitigation

Impact



STATE OF
MINNESOTA

DEPARTMENT OF NATURAL RESOURCES

METRO REGION WATERS - 1200 WARNER ROAD, ST. PAUL, MN 55106

PHONE NO. 772-7910



FILE NO.

December 5, 1990

*cc Pinkl
Khan ✓*

Mr. Robert Brown
780 N. Oak Drive
Vadnais Heights, MN 55127

RE: EXTENSION, PERMIT #89-6301, WILDLIFE POND EXCAVATION, LAMBERT
LAKE (62-30P), CITY OF VADNAIS HEIGHTS, RAMSEY COUNTY

Dear Mr. Brown:

As requested in your letter of November 21, 1990, we have extended the termination date of Permit #89-6301 to June 30, 1991. Be sure that you and the contractor read and understand all conditions of the permit before work begins. Spoil shall be deposited on upland areas shown on plans received with the permit application, January 26, 1989. Another written request for an extension of this permit is required if work to expand the pond in areas labeled 1, 2, and 3 on Attachment A of the permit is proposed after June 30, 1991. All other terms and conditions of the permit shall remain in full force and effect.

If you have any questions, please contact Hydrologist Marty Rye at 772-7910.

Sincerely,

John Linc Stine
Regional Hydrologist

M225:kap

cc: USCOE
Ramsey SWCD
City of Vadnais Heights
Vadnais Lake Area WMO
T. Wallace, Acting AWM
L. Milbridge, C.O.
R. Anderson, St. Paul Waters
Lambert Lake (62-30P) file

STATE OF MINNESOTA

TECHNICAL SERVICES DIVISION

CONTACT REPORT - ENVIRONMENTAL SERVICES SECTION

Date: September 5, 1990

State Project No. : 6224-37

BOB BROWN'S SITE

Job Location : Highway project site = TH 96 White Bear
Lake (impacts to Birch Lake)
Compensation site = wetland south of 780
North Oak Drive

Reason for Contact : Review wetland mitigation

Persons Contacted : Jerry Decker USFWS
Conrad Christianson DNR
Wayne Barstad DNR
Sue Klein district hydraulics
Bob Brown district pre-design
Sarma Jatnieks-Straumanis ESS

Date of Contact : August 28, 1990

Status of Work : final design

Remarks:

This project is anticipated to result in the filling of 0.28 acres of wetland (0.21 acres of type 3 and 0.07 acres of type 6). The proposed compensation for the project's wetland impacts will consist of enhancing a type 3 wetland, which has apparently filled in over a number of years.

The wetland, which is a DNR Protected Water, is located partially on property owned by Bob Brown. Bob has already applied for DNR permit to do the excavation and has received approval. It is expected that the excavation will be done late this fall or in the spring of 1991.

The wetland will be enhanced by excavating along the shoreline to create open water. The existing treed berm between the wetland and upland will be left in place to provide shade for wood ducks, and an island as well as a visual barrier. A portion of the upland behind the berm may also be excavated to provide a seasonally flooded area. A schematic drawing is attached.

WHITE

24 MH(2)

3:1F

3:1F

3:1F

3:1F

3:1C

ELUMI

20

20

25

25

3:1F
2:1

3:1F
2:1

2:1
3:1F

3:1F

BRUSH

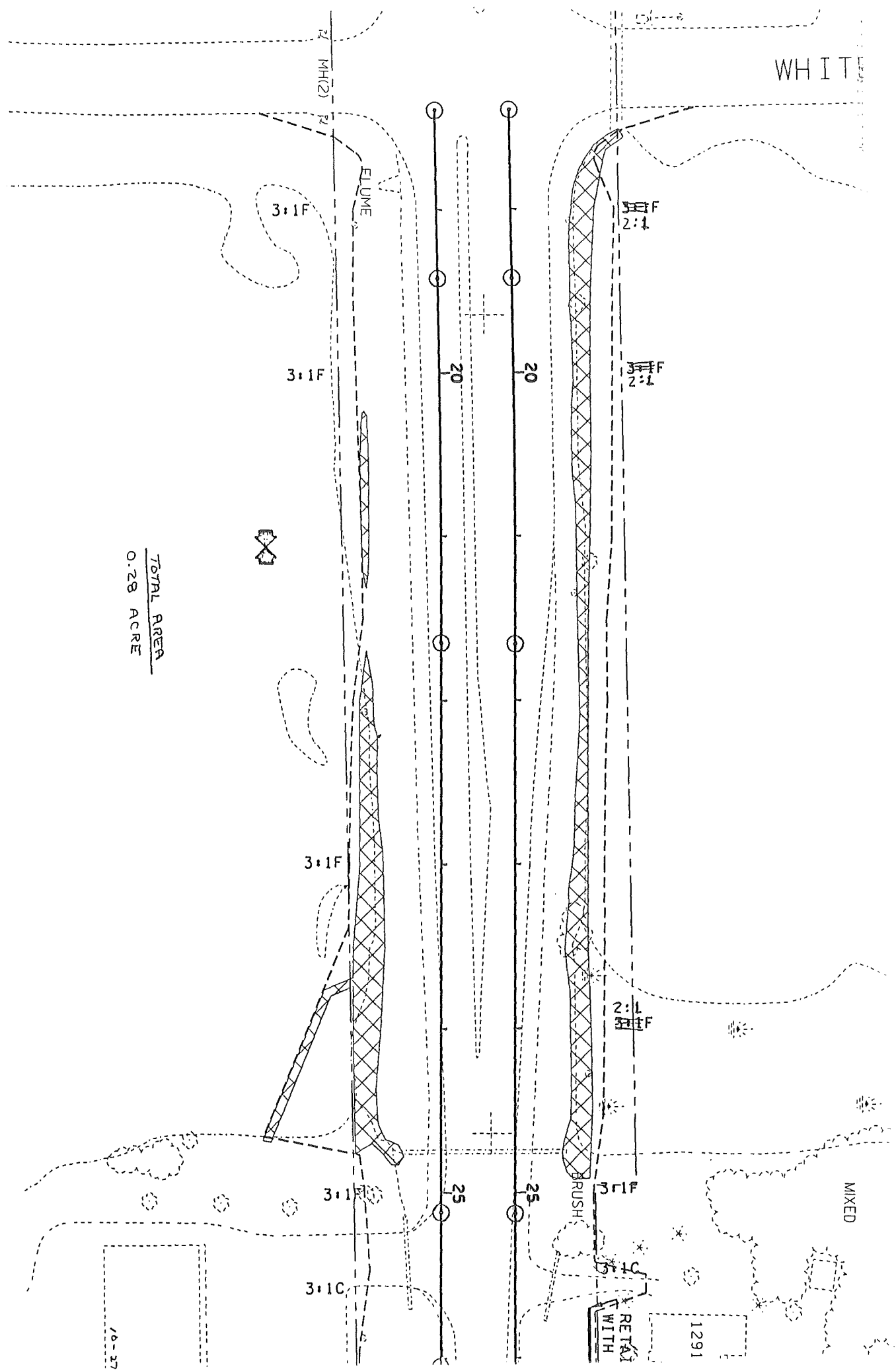
RETAI
WITH

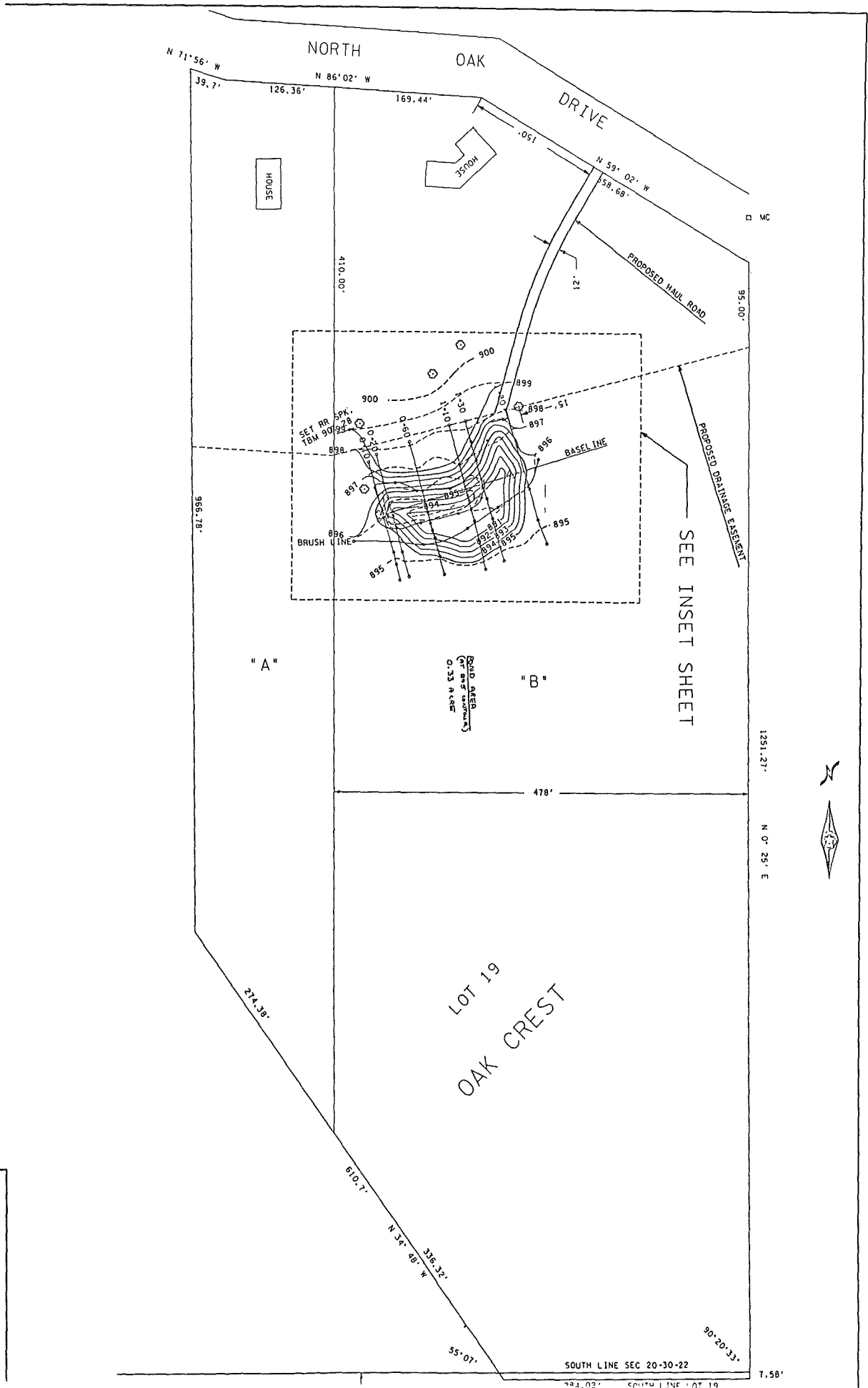
1291

MIXED

TOTAL AREA
0.28 ACRE

76-37





50'

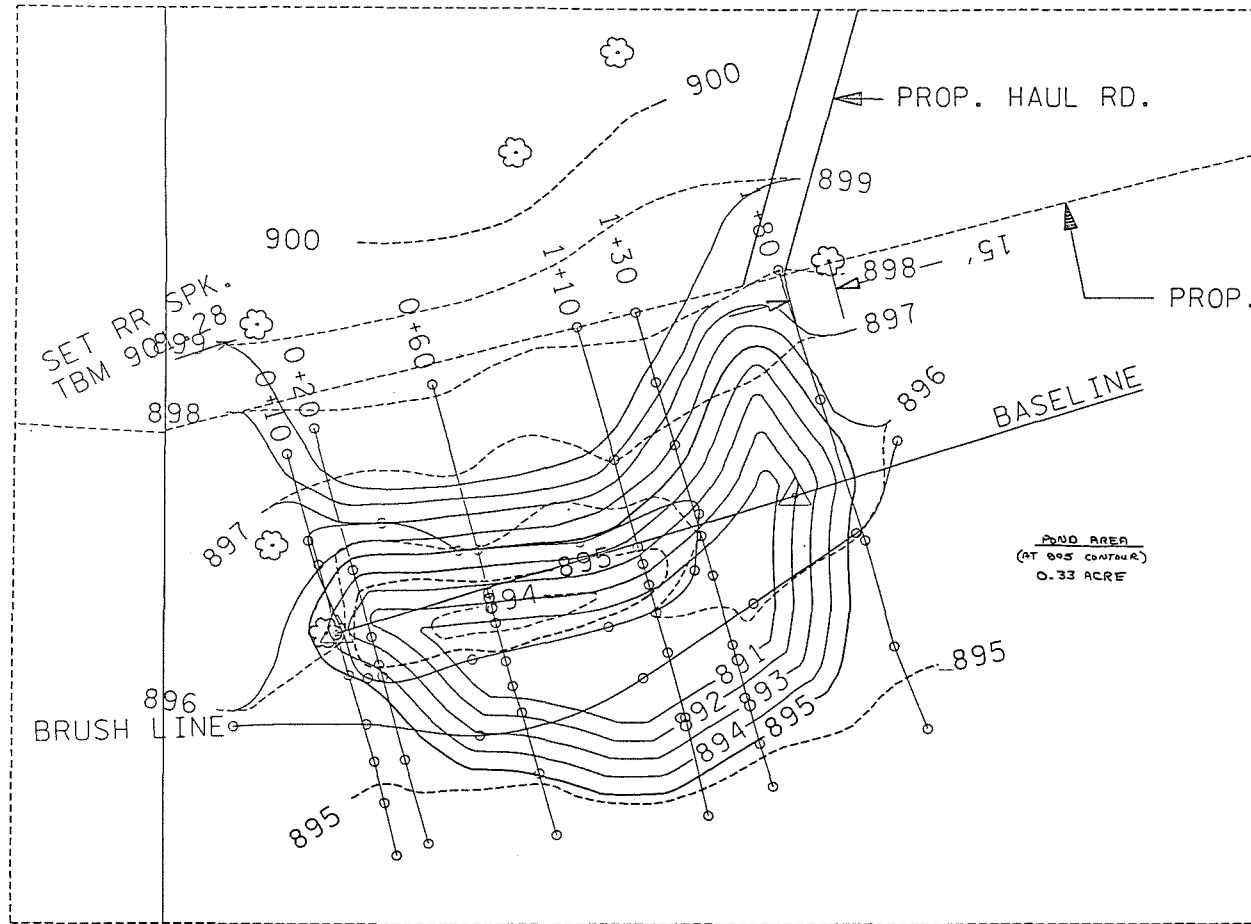
MITIGATION POND



1251.27' N 0° 25' E

N 71° 56' W 39.7'
 N 86° 02' W 126.36'
 169.44'
 N 59° 02' W 58.68'
 95.00'
 410.00'
 966.78'
 478'
 274.39'
 610.7'
 N 54° 48' W 336.32'
 55° 07'
 90° 20' 33"
 7.58'
 224.02' SOUTH LINE LOT 19

INSET SHEET



20'

MITIGATION POND
(FOR T.H. 96 PROJECT)

State Proj. No. 6224-37 (96=96) Sheet No. of Sh.

BRIDGE CROSSING

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
Big City / Bill Williams / (612) 555-1212

Address (Street, RFD, Box Number, City, State, Zip Code)
190 Lone Oak Drive, Big City, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
SW 1/4 16 T117N R24W

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
Hennepin Waterbody Name, No. (if known) Minty Creek

III. ESTIMATED PROJECT COST: \$700,000 LENGTH OF SHORE AFFECTED (in feet):

IV. Volume of fill or excavation (cubic yds.): 1500 Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions)

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
ACCESS PATH RIPRAP SAND BLANKET OTHER (describe): Berm; channel excavation

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:
 Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used: Project consists of removing existing bridge; replacing it with one that will increase the hydraulic capacity of the crossing; completing construction of berms along the creek up to the 100 year flood stage of 845.30' and dredging selected portions of the channel where siltation has occurred.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?): Reduce flood profile of the channel and reduce occurrence of flooding for adjacent property/home owners.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). Do nothing. Raise homes and property adjacent to creek. Proper construction site BMP's will be followed during all phases of construction. Exposed areas will be reseeded with native vegetation. SES guidelines will be followed for riprap installation.

VIII. DATES-- Activity proposed to begin on: 4/20/93 Be completed: 6/15/93
 Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
 Name Address City State Zip
 1. Local owners gave approval at a recent city council meeting.
 2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? NO If so, by whom:

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Bill Williams DATE: 2/8/93
 Signature of Person Proposing Project or Agent

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Big City
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Minty Creek WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

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Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Signature of Applicant Date Bill Williams 2/8/93
Signature of Agent Date

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

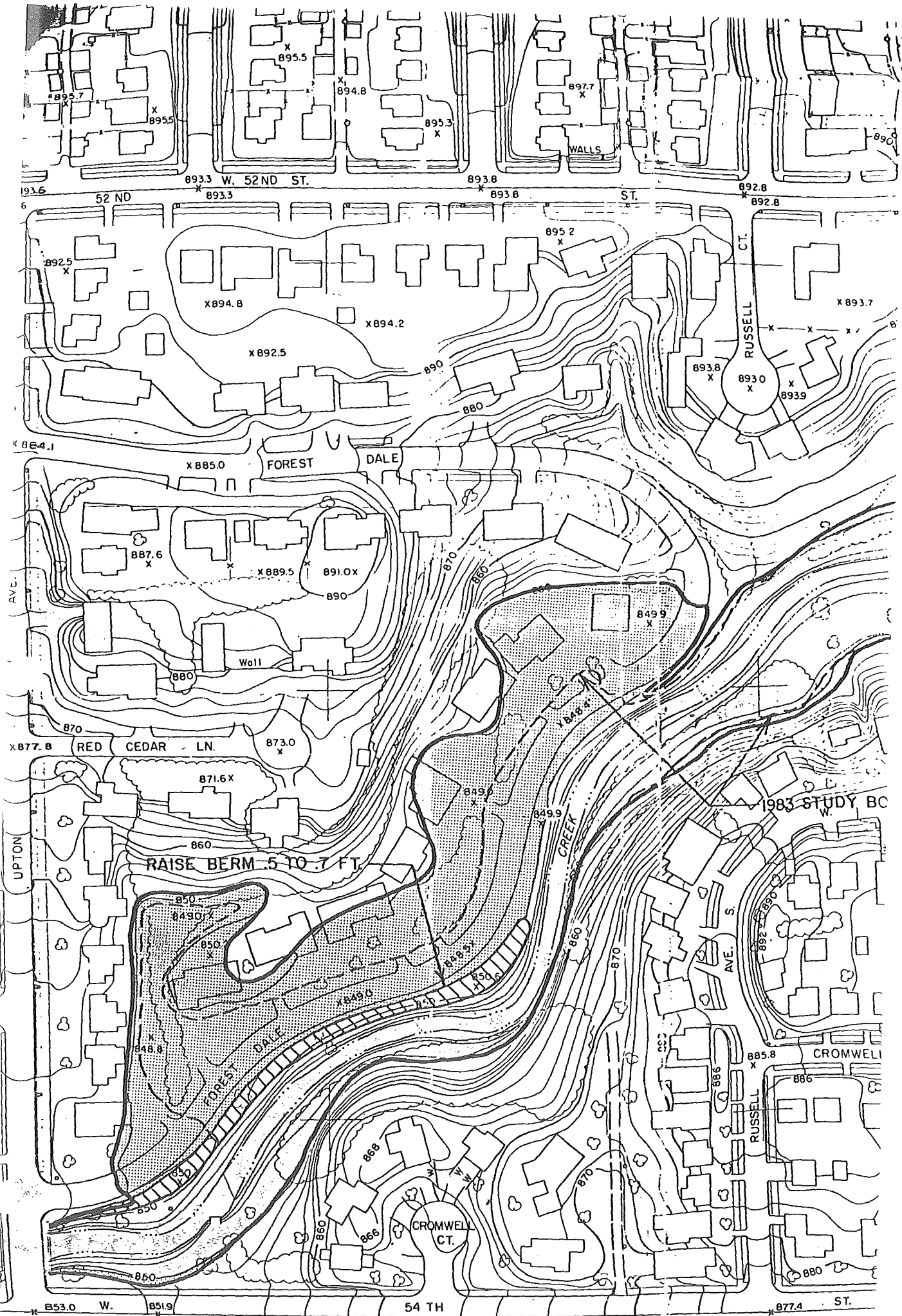
Agent's Name: Bill Williams Agent's Title: City Engineer

Address: 190 Lone Oak Drive
Big City, MN 55555

Telephone: (612) 555-1212

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RAISE BERM 5 TO 7 FT.

1983 STUDY BC

W. 52 ND ST.

52 ND

AVL.

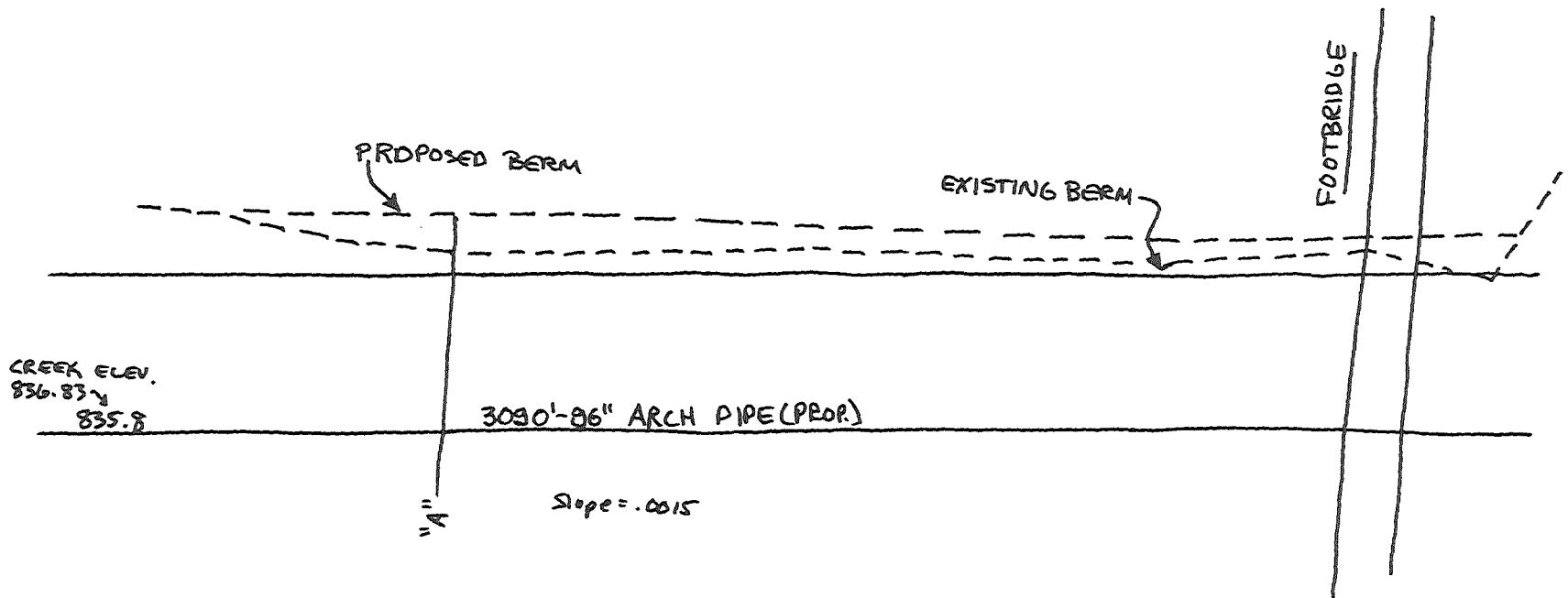
RED CEDAR LN.

UPTON

W.

54 TH

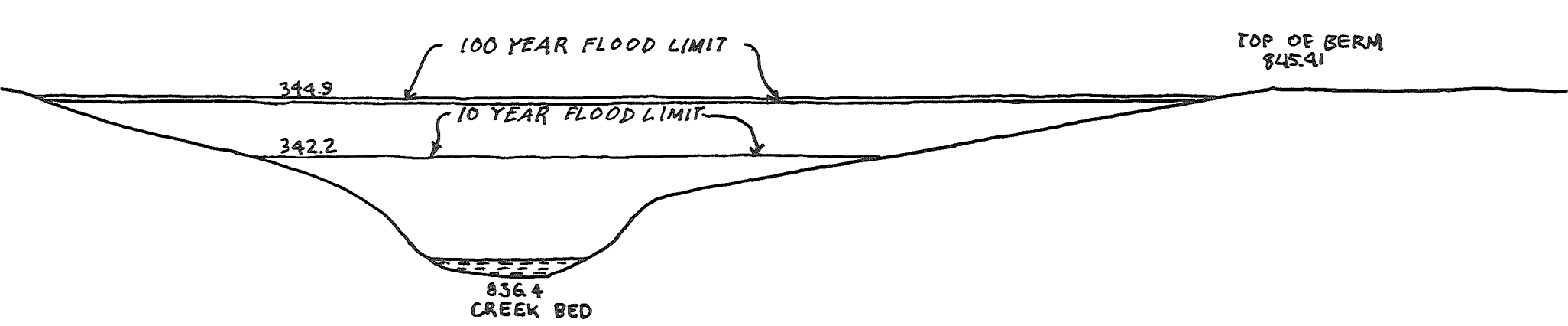
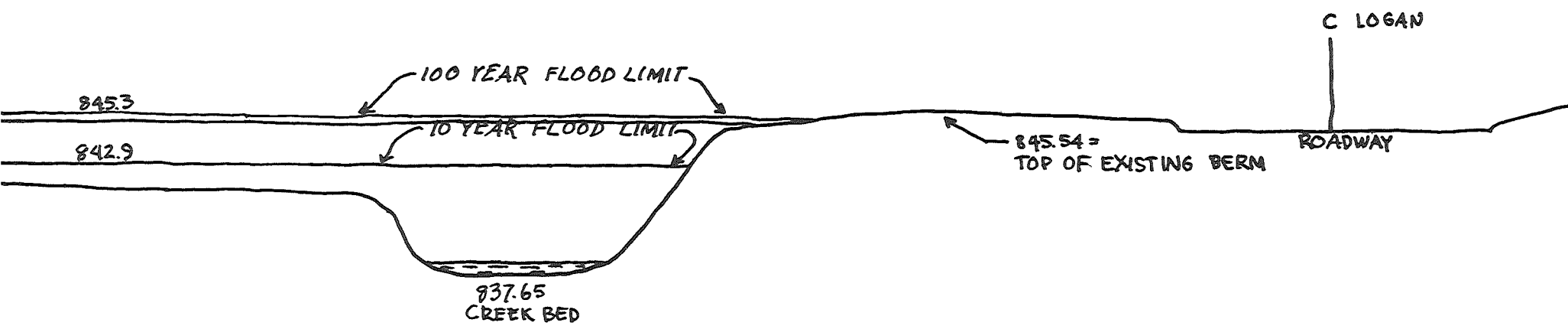
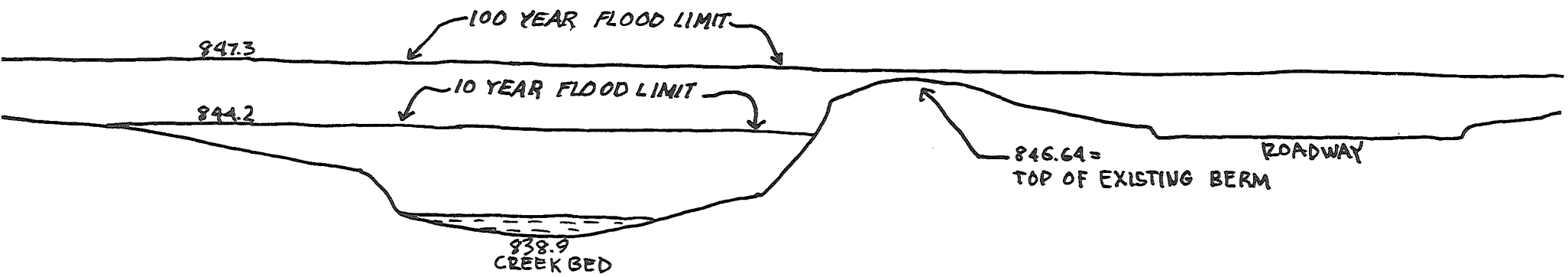
ST.



STREAM DISTANCE ABOVE MOUTH (IN FEET)

PROD. BERM

TYPICAL TRANSVERSE SECTION (AT "A")



ROADWAY FILL

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

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I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 City of Homer / Chris Jones / (612) 555-5555

Address (Street, RFD, Box Number, City, State, Zip Code)
 3400 Smith Drive, Homer, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
 NW 1/4 NW 1/4 20 118N 22W

Fire No., Box No., or Project Address County Work will affect ___ lake X wetland ___ waterway ___ ag production
 Hennepin Waterbody Name, No. (if known) DNR wetland # 466W

III. ESTIMATED PROJECT COST: \$ 19,600.00 LENGTH OF SHORE AFFECTED (in feet): 190 feet

IV. Volume of (fill) or excavation (cubic yds.): 258 Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions)

V. TYPE OF WORK AND AREA (Check all that apply): X FILL ___ EXCAVATE ___ REPAIR ___ CONSTRUCT
 ___ REMOVE ___ DRAIN ___ DAM
 ___ SHORELINE ___ WETLAND ___ WATERWAY ___ DOCK ___ CULVERT ___ BRIDGE ___ LAKE
 ___ ACCESS PATH ___ RIPRAP ___ SAND BLANKET OTHER (describe): Public street

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used:
 (See Attached)

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):
 (See Attached)

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed).
 (See Attached)

VIII. DATES-- Activity proposed to begin on: 5/20/93 Be completed: 8/15/93
 Has any of the work been done? NO X YES ___ (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
 Name Address City State Zip
 1. NA
 2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? ___ If so, by whom: ___

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.
Chris Jones DATE: 3/15/93
 Signature of Person Proposing Project or Agent

INSTRUCTIONS--PLEASE READ CAREFULLY

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- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Big River WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
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_____	_____	<u>Chris Jones</u>	<u>3/15/93</u>
Signature of Applicant	Date	Signature of Agent	Date

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: Chris Jones Agent's Title: City Engineer
Address: 3400 Smith Drive
Homer, MN 55555
Telephone: (612) 555-5555

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DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM

Medina Road Improvements City of Homer

VIII. Brief Explanation of Project:

Project consists of reconstructing and widening Medina Road to Minnesota Department of Transportation Municipal State Aid requirements and to City standards. The entire project extends from Brockton Lane at the west terminus to County State Aid Highway No. 24 on the east. Refer to accompanying plan sheet 1 for project location and sheets 18 through 20 for proposed street construction. Associated with the roadway improvements is the installation of storm sewer and replacing the existing corrugated metal pipe culvert at project Station 60+38, as shown on plan sheets 14 and 26.

The existing gravel surfaced roadway is a rural section 24 feet in width with a slope ratio of approximately two horizontal to one vertical from the edge of the road downward to the wetland. Subgrade soils in the roadway are frost susceptible and sensitive to fluctuations in moisture content. This is manifested during the spring thaw by the presence of unstable soft areas requiring constant maintenance, and throughout the summer and fall by the presence of less numerous smaller soft spots which likewise require maintenance attention.

Proposed street improvements include the construction of an urban design roadway with concrete curb and gutter, and bituminous surfacing overlaying a layer of compacted aggregate base. To allow for construction of the pavement structure and to provide pavement strength and longevity, the subgrade soils within the existing roadway will be subcut and removed to a depth of three feet beneath the pavement structure and replaced with granular materials. The proposed roadway width will be 52 feet from face-of-curb to face-of-curb. Behind the curb, a boulevard ten feet in width will be constructed at a four percent grade inclined upward from the top of the curb. The boulevard will provide a vehicle recovery area, will allow for adequate sight distance, will provide space for private utility installations, and will make provision for future pedestrian corridors adjacent to the roadway. The slope ratio beyond the edge of the boulevard will be three horizontal to one vertical downward to the point of intersection with the existing ground. See the accompanying typical sections plan sheet and cross section sheets 47 and 48. Such a slope minimizes disturbance to the wetland while providing stability and an incline on which turf can be suitably established and maintained. The proposed alignment follows the existing alignment of Medina Road.

The existing corrugated metal culvert that crosses Medina Road at approximately Station 60+38 will be removed and replaced with larger reinforced concrete pipe of a length that will accommodate the wider roadway, boulevards, and slopes. The larger pipe is of sufficient capacity to carry the five-year storm runoff from upland areas lying adjacent to and south of Medina Road, and from Medina Road itself, and to direct the drainage north to present ponding areas. The inlet elevation of the new culvert will be the same as that of the existing culvert. The culvert is anticipated to be installed using a backhoe for excavation, a loader or bulldozer for backfilling, and a vibratory compactor for obtaining density.

Approximately 236 cubic yards of fill material will be placed in the wetland area below the ordinary high water level elevation of 993.0. Construction of fill is necessitated by the proposed street widening, vehicle recovery area and future

pedestrian ways, and inslopes. Fill materials will be composed primarily of native clays and sandy clay soils, except that granular materials will be used in the roadway subgrade. Organic soil and topsoil will be used for cover on slopes and boulevards in preparation for turf restoration. The fill soil may be transported on the project site by earthmovers, or it may be hauled by dump trucks. Loaders and bulldozers may be used, but probably to a lesser extent. Fill material will be graded and compacted to not less than 95% of Standard Proctor Density (AASHTO T-99).

Rock riprap, approximately 22 cubic yards in quantity, will be hand-placed in accordance with Minnesota Department of Transportation "Standard Specifications for Construction" at the flared end inlet of the new culvert pipe. The riprap will be underlined with a geotextile fabric and will control erosion and sediment transport at the flared end section. Riprap material will be field stone or quarry stone approximately 9 inches minimum size. Sufficient inplace soil will be excavated and removed to allow the construction of a 12-inch thickness of hand-placed riprap.

Throughout construction precautions will be taken to avoid and to mitigate adverse impacts to the wetland area. Heavy duty silt fences, bale checks, and stormwater inlet sediment filters will be placed and maintained to reduce erosion and the transport of sediment into the wetland. See the accompanying erosion control plan sheets 32 through 34. Immediately after constructing the curb and gutter, a continuous strip of sod will be placed adjacent to the back of the curb to reduce sediment transport. Turf areas that are disturbed as a result of the construction will be restored with sod or with seed and mulch to control erosion and to re-establish turf. Excavated material that is not disposed off of the site will be placed on upland areas, to the extent practicable, to avoid disturbing the wetland. The contractor will be required to control construction operations so as to avoid unnecessary disturbance of the wetland area.

Six photographs of the existing culvert crossing and of the wetland area accompany this permit application. Bids for the project will be opened on June 7, 1991. Construction is expected to begin on or about July 3, 1991.

IX. Purpose of Project:

The purpose of the public street and drainage improvements is to provide a safe transportation facility for current and anticipated traffic volumes, some of which will be generated by pending development of property adjacent to Medina Road and some of which is through traffic which is expected to increase as areas west of the project site develop. The proposed roadway will safely accommodate projected traffic volumes while providing an adequate level of service.

X. Environmental Impact:

With erosion control measures in place, the effect on water quality during construction should be minimal. Some minor sedimentation could develop in the immediate area of the work during the installation of the culvert inlet and the placing of the riprap. Subsequent to construction, water quality should return to that of present conditions.

Anticipated development in the area and resulting increased traffic volumes could result in emissions that may effect water quality, although the emissions may become airborne.

Winter maintenance activities on the paved surface may also effect water quality. However, street cleaning procedures employed by the City will minimize any potential harmful effects.

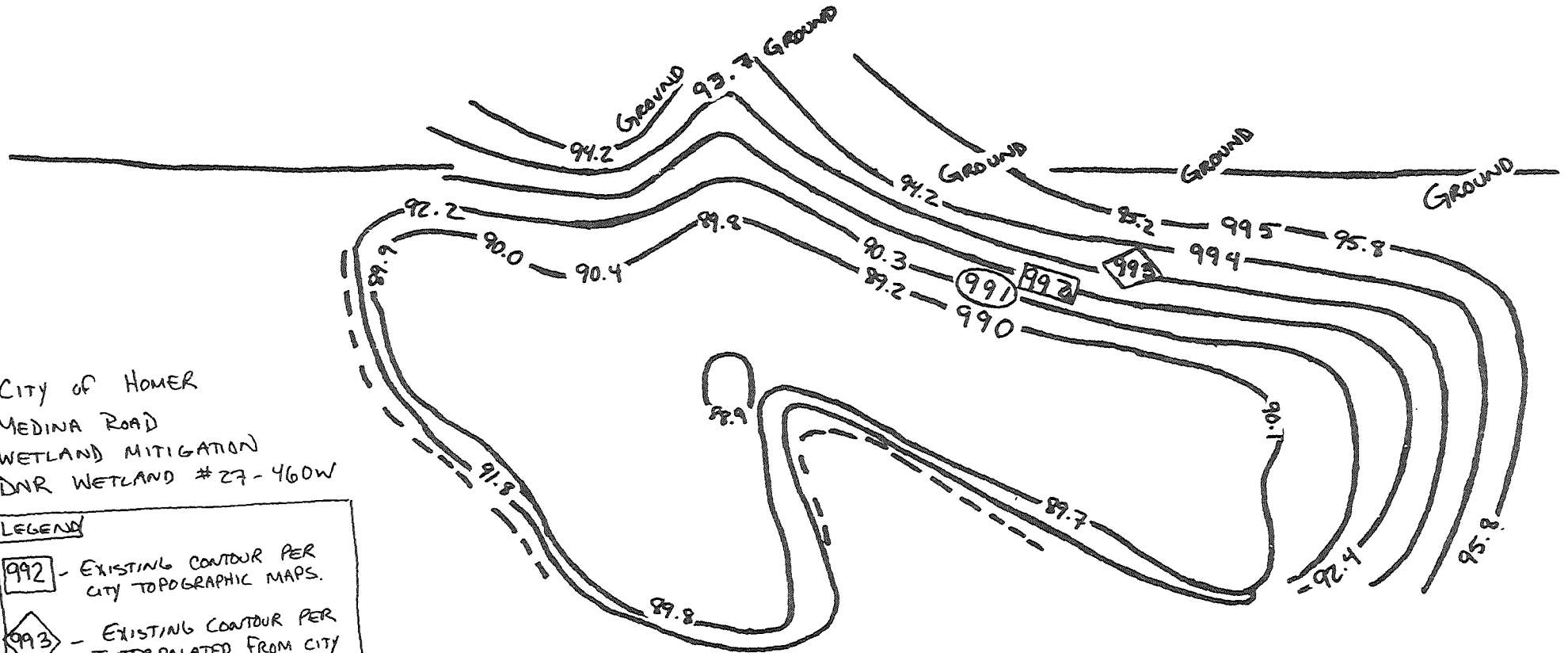
By utilizing the existing public road alignment and by constructing the steepest slopes practicable that will still allow for maintenance and for turf restoration, impacts to the wetland area due to filling are minimized.

XI. Alternatives:

The "do nothing" alternative will not provide a safe efficient transportation facility for the projected traffic volumes. Sight distances would be inadequate. The present public roadway structure and surface will not support the loadings and repetitions of vehicles resulting from the anticipated traffic volumes. Maintenance will be a constant problem. Also, sedimentation from the gravel-surface roadway into the stream and wetland will continue to occur, as evidenced by the presence of approximately 6 inches of soil in the invert of the existing culvert.

Similarly, constructing the roadway to a substandard width would compromise safety and level of service. The reduced traffic capacity would tend to increase delays for traffic, which would serve to increase concentrations of vehicle emissions over a free flow condition. The end result is that water quality could suffer.

MEDINA ROAD



CITY OF HOMER
 MEDINA ROAD
 WETLAND MITIGATION
 DNR WETLAND # 27-460W

LEGEND

- 992 - EXISTING CONTOUR PER CITY TOPOGRAPHIC MAPS.
- 993 - EXISTING CONTOUR PER INTERPOLATED FROM CITY TOPOGRAPHIC MAPS AND ELEVATIONS TAKEN 8-10-91
- 991 - PROPOSED CONTOUR

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 City of Sunny Dale / Clyde Jones / (612) 555-5555

Address (Street, RFD, Box Number, City, State, Zip Code)
 2055 North Ginger Drive, Sunny Dale, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
 SW 1/4 8 117N 22W

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
 T.H. 101 in Sunny Dale Waterbody Name, No. (if known) Lake Minnetonka 27-133P

III. ESTIMATED PROJECT COST: \$35,000.00 LENGTH OF SHORE AFFECTED (in feet): 1,225 feet

IV. Volume of fill or excavation (cubic yds.): NA Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions) rip rap only

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
 SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
 ACCESS PATH RIPRAP SAND BLANKET OTHER (describe):

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used:

This project involves the placement of rip rap and filter cloth along the existing shoreline.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?): Severe erosion of roadway slopes at T.H. 101 is threatening the pavement and bridge abutments. This maintenance project will serve as an interim repair until the proposed causeway reconstruction project by DOT is constructed.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). Do nothing. Minimal adverse impacts are anticipated. The project will reduce shoreline erosion/sedimentation. Proper construction BMP's will be followed during all phases of the project.

VIII. DATES-- Activity proposed to begin on: 6/1/93 Be completed: 8/15/93
 Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
 Name Address City State Zip
 1. NA
 2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
 A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? NO If so, by whom:

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Clyde Jones DATE: 12/20/92
 Signature of Person Proposing Project or Agent

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Sunny Dale
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Minnetonka WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Signature of Applicant	Date	<u>Clyde Jones</u> Signature of Agent	<u>12/20/92</u> Date
------------------------	------	--	-------------------------

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

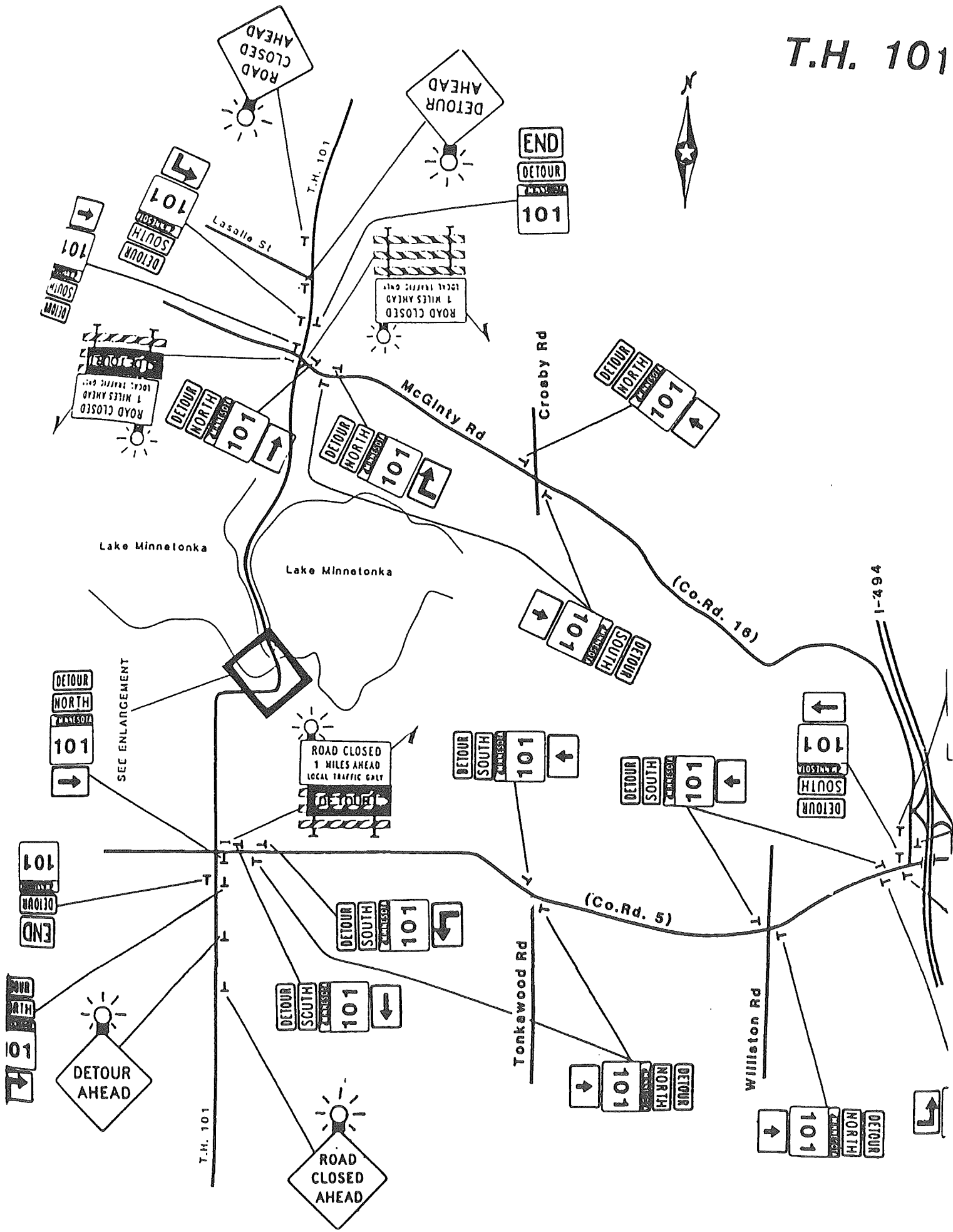
Agent's Name: Clyde Jones Agent's Title: City Engineer

Address: 2055 North Ginger Drive
Sunny Dale, MN 55555

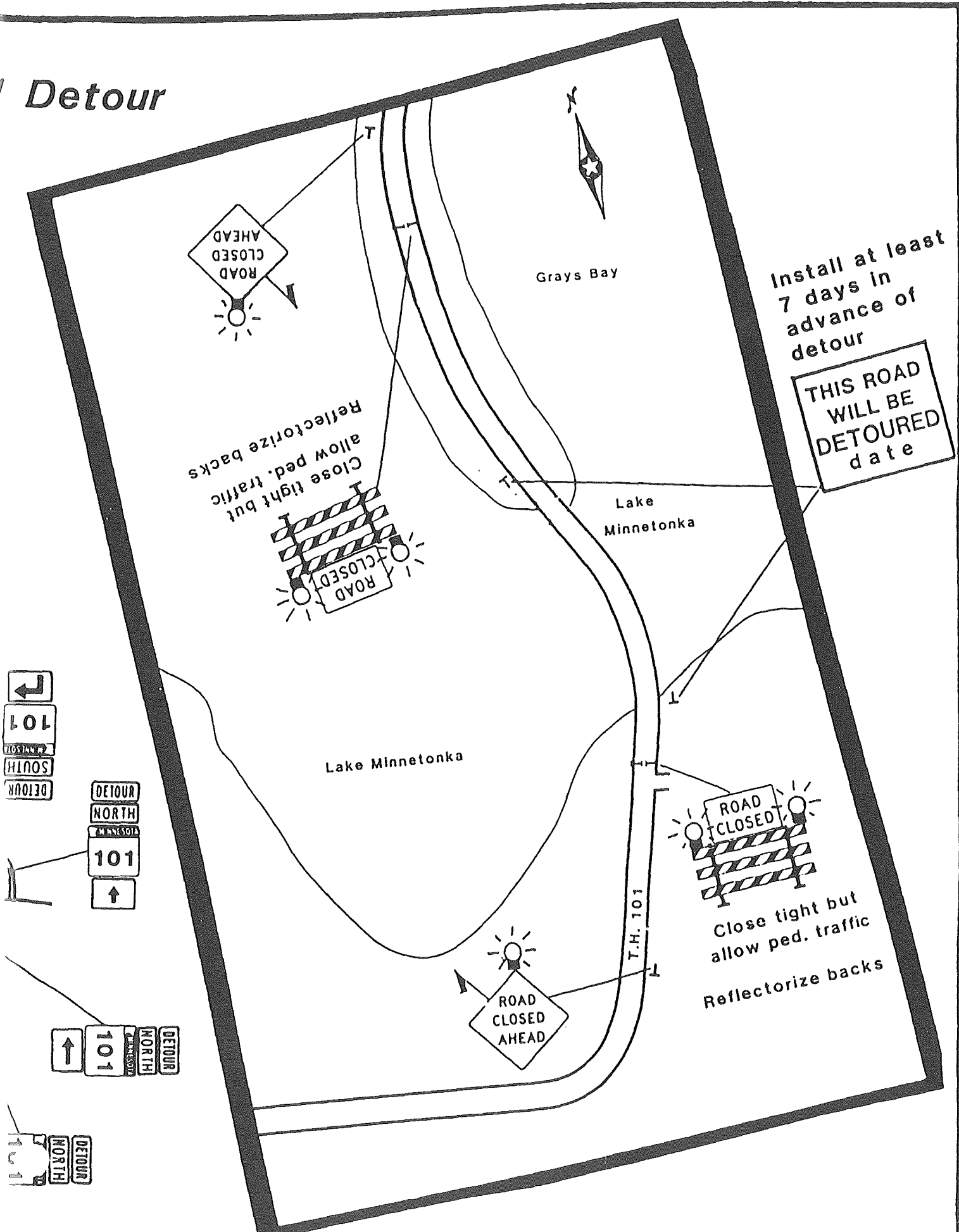
Telephone: (612) 555-5555

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.
DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM

T.H. 101



1 Detour



Install at least
7 days in
advance of
detour

THIS ROAD
WILL BE
DETOURED
date

Close tight but
allow ped. traffic
Reflectorize backs

Close tight but
allow ped. traffic
Reflectorize backs

DETOUR SOUTH MINNESOTA 101

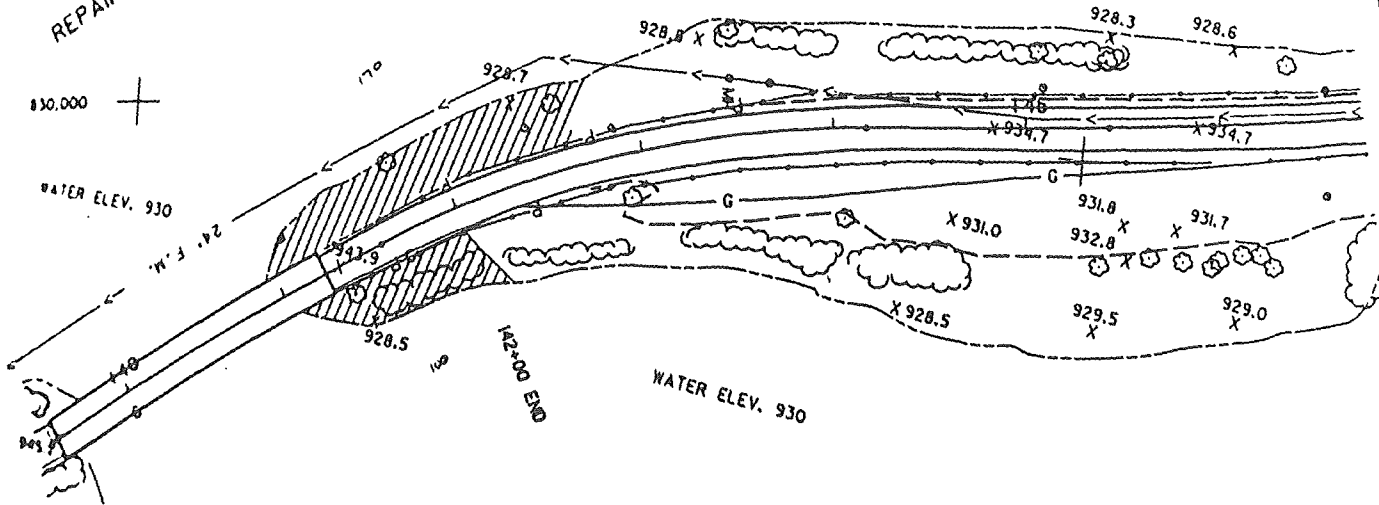
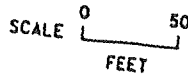
DETOUR NORTH MINNESOTA 101

DETOUR NORTH MINNESOTA 101

DETOUR NORTH MINNESOTA 101

BRIDGE AREA
REPAIR WITH TYPICAL SECTION (1)

WAYZ
ENVIRONMEN



ENVIRONMENTALLY SENSITIVE AREA
WAYZATA BAY



AREA 155 TO 158
REPAIR WITH
TYPICAL SECTION (2)

WATER ELEV. 930

MATCH
STATION 155
LINE

APPROXIMATE PROPERTY LINE

GRAY'S BA
ENVIRONMENTALLY SENS

BEGN 155+10

BEGN 150+00

928.3
914.0
928.2

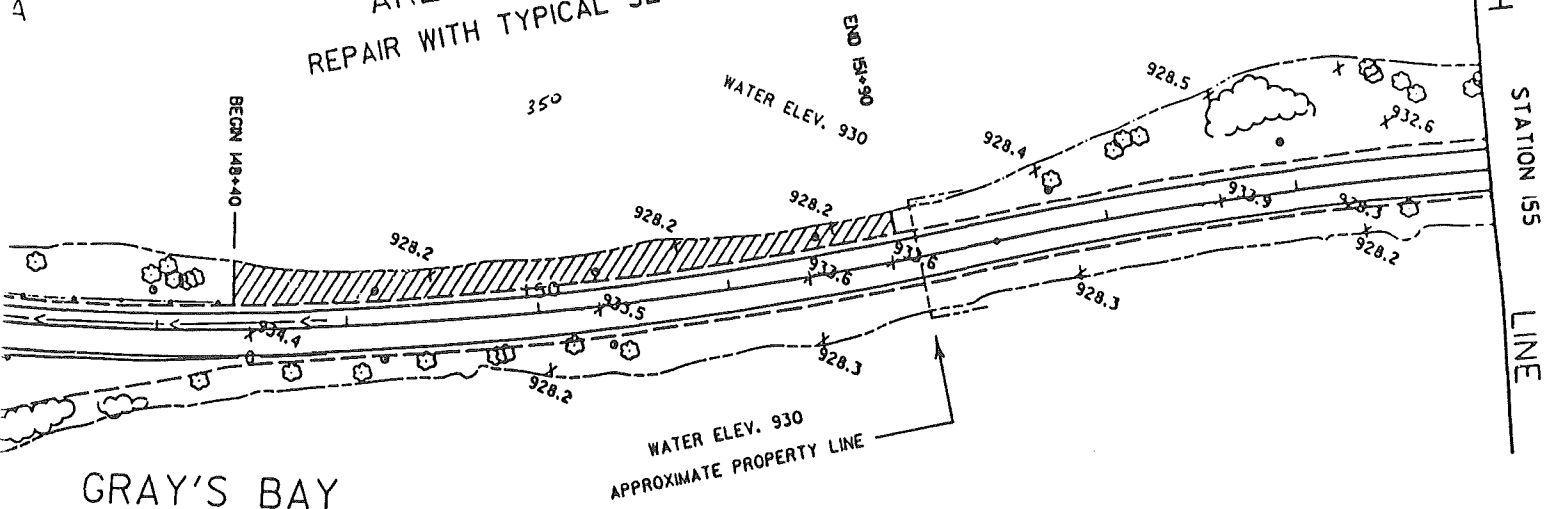
933.5
935.1
935.5

T60

GRAY

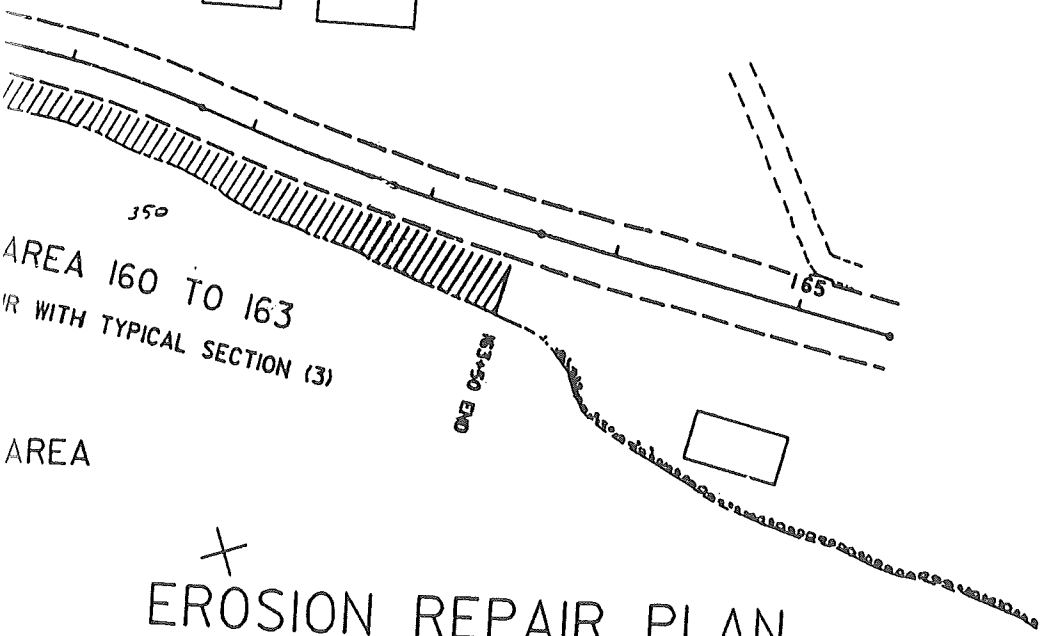
ENVIRONMENTALLY SENSITIVE AREA

AREA 148 TO 152
REPAIR WITH TYPICAL SECTION (2)



GRAY'S BAY

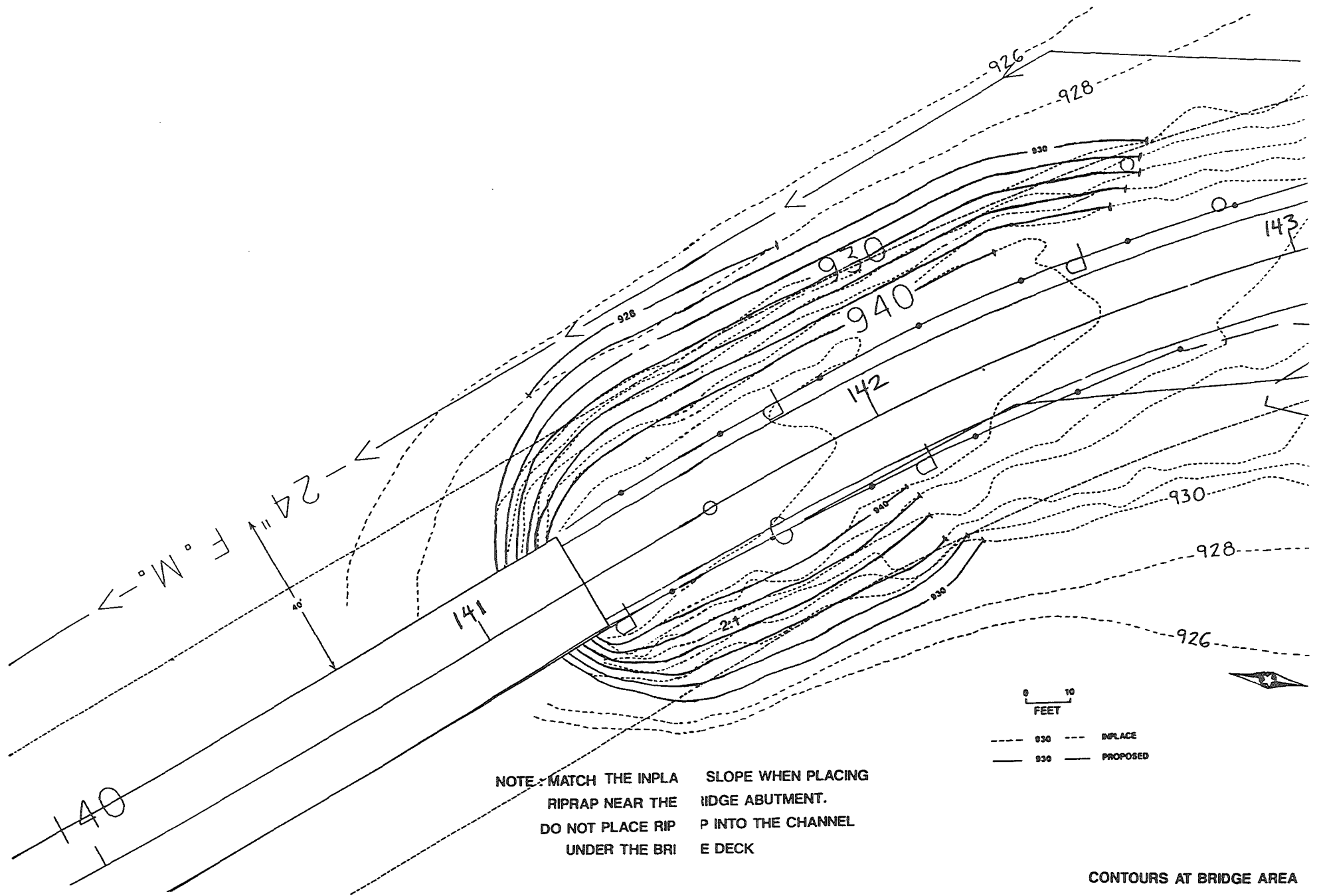
ENVIRONMENTALLY SENSITIVE AREA +



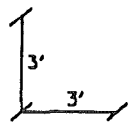
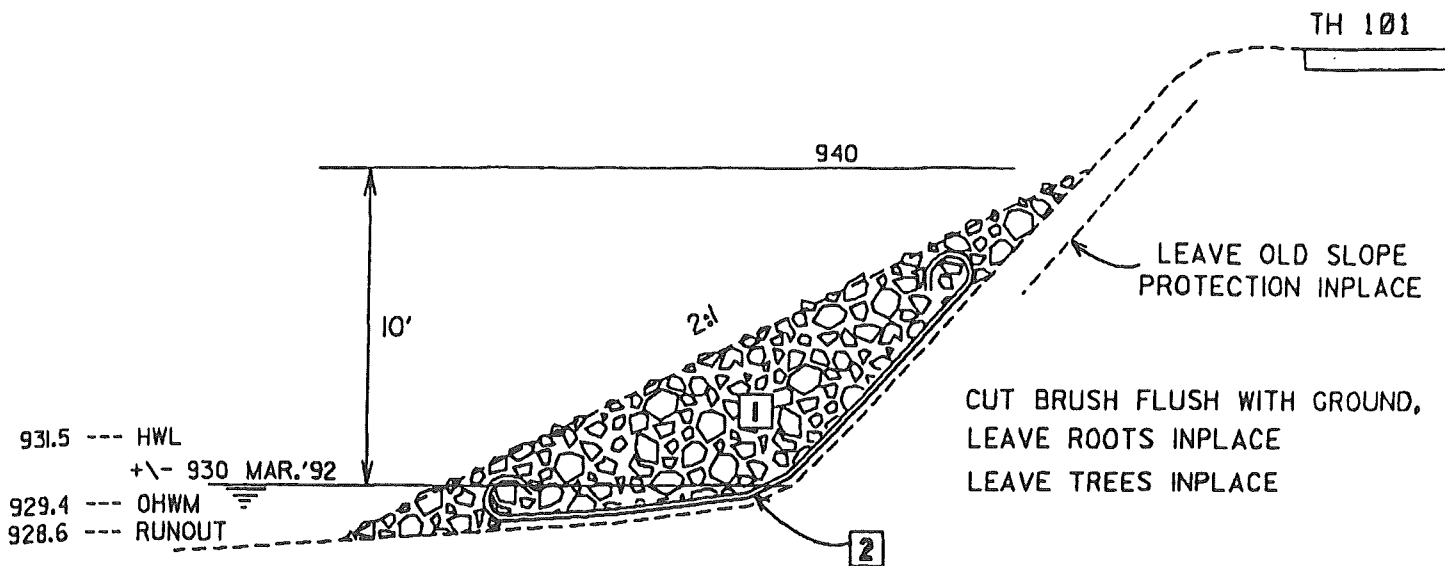
AREA 160 TO 163
REPAIR WITH TYPICAL SECTION (3)

ENVIRONMENTALLY SENSITIVE AREA

+
EROSION REPAIR PLAN



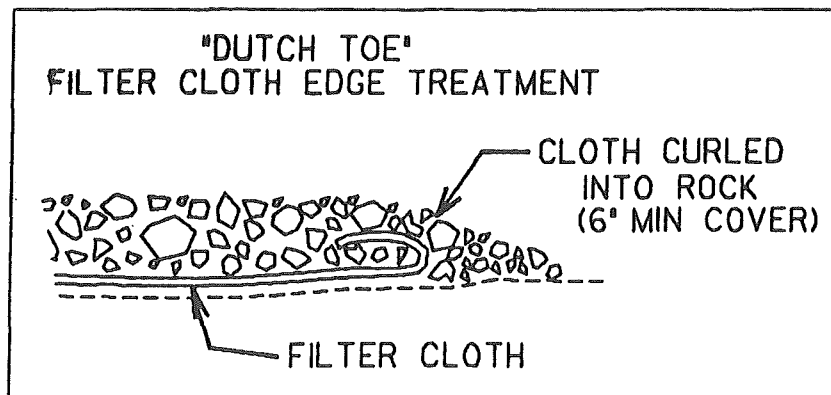
DATE: 08/14/03 2:30 PM 1011

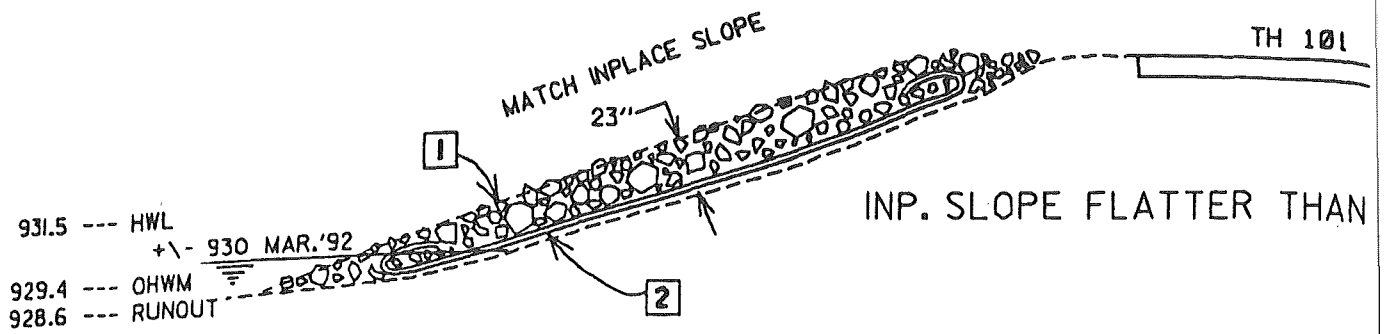


TYPICAL SECTION ①

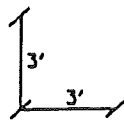
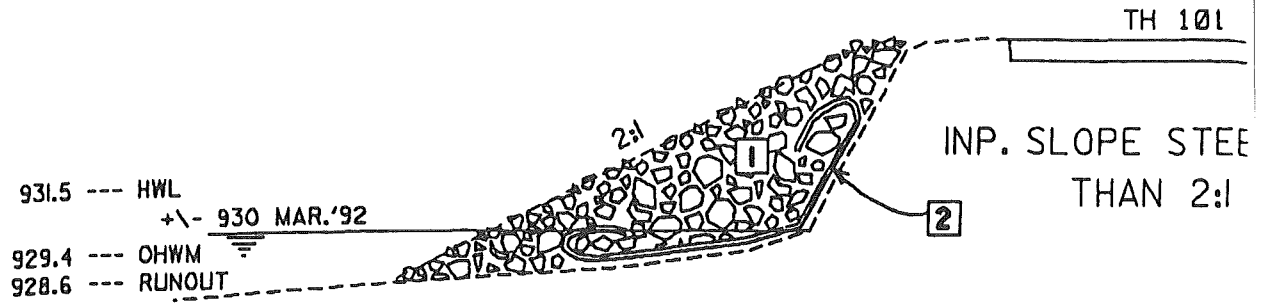
FOR BRIDGE AREA

- ① RANDOM RIPRAP CLASS 3
- ② GEOTEXTILE FILTER CLOTH, TYPE 4
NONWOVEN NEEDLE PUNCH ONLY



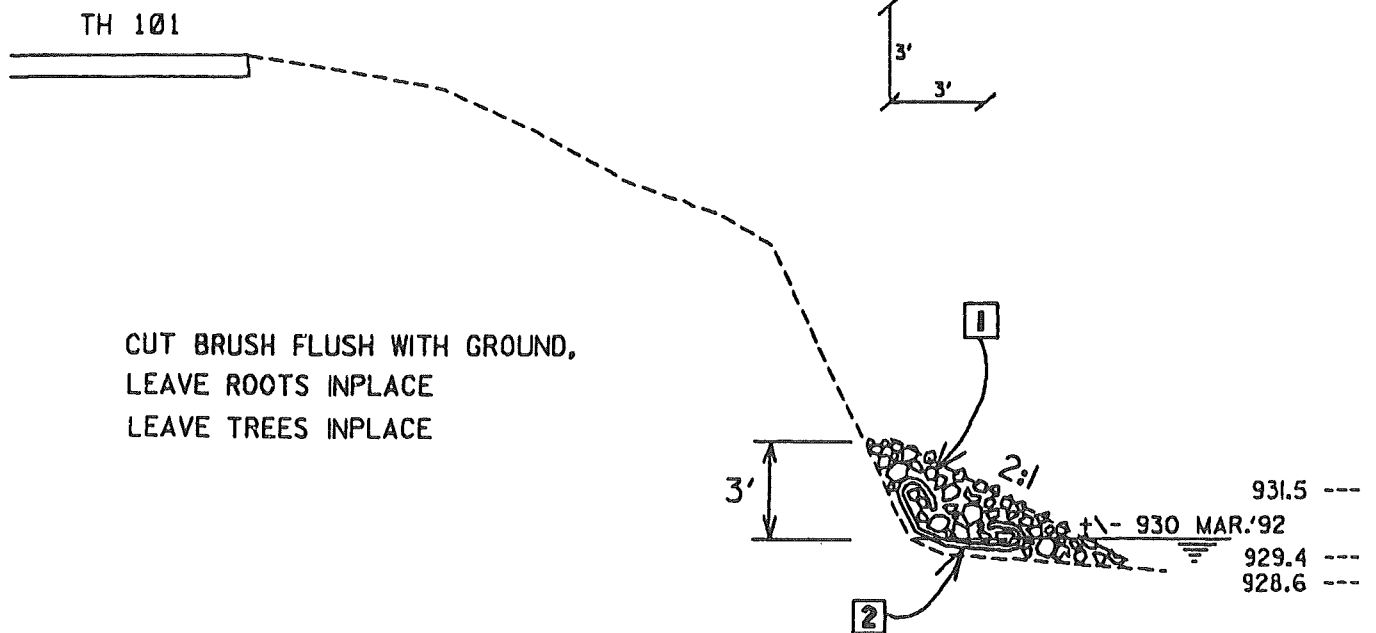


PLACE RIPRAP TO THE TOP OF SLOPE



TYPICAL SECTION (2)

FOR AREA 148 TO 152
 AND AREA 155 TO 158



TYPICAL SECTION (3)

FOR AREA 160 TO 163

INTAKE/OUTFALL STRUCTURE

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 Bob Smith / 'Bigtime & Assoc.; Earl Peterson, P.E.' / (612) 555-7777

Address (Street, RFD, Box Number, City, State, Zip Code)
 6315 Staples Street, Lone Star, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
 NW 1/4 17 118N 22N

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
 Washington Waterbody Name, No. (if known) 82-601W

III. ESTIMATED PROJECT COST: \$ 2500.00 LENGTH OF SHORE AFFECTED (in feet):

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions)

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
 SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
 ACCESS PATH RIPRAP SAND BLANKET OTHER (describe): Outlet control structure

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas. Describe the work below; how it would be done, what equipment would be used: Construct an outlet control structure to control the rate of stormwater emptying into wetland #601W from a sedimentation pond to be constructed by the applicant. It will be necessary to excavate a shallow ditch below the OHW of 979.7 to set the outlet elevation at 979.0.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):
 The treatment of stormwater will improve water quality and reduce sedimentation in wetland #601W.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). 1) Do nothing.
 2) Higher outlet excavation may cause erosion. A silt fence and floating silt curtain will be used to minimize water quality impacts. Construction area will be graded, seeded, and mulched within 72 hours of completion.

VIII. DATES-- Activity proposed to begin on: 8/17/93 Be completed: 9/1/93
 Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).

Name	Address	City	State	Zip
1. John Doe	6317 Staples Street	Lone Star	MN	55555
2. Fred Zone	6313 Staples Street	Lone Star	MN	55555

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? NO If so, by whom: _____

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Earl Peterson PE DATE: 5/27/93
 Signature of Person Proposing Project or Agent

<<< PLEASE CAREFULLY READ AND COMPLETE BACK OF FORM >>>

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Lone Star
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Snake River WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

Signature of Applicant	Date	<u>Earl Peterson PE</u> Signature of Agent	<u>5/27/93</u> Date
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NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

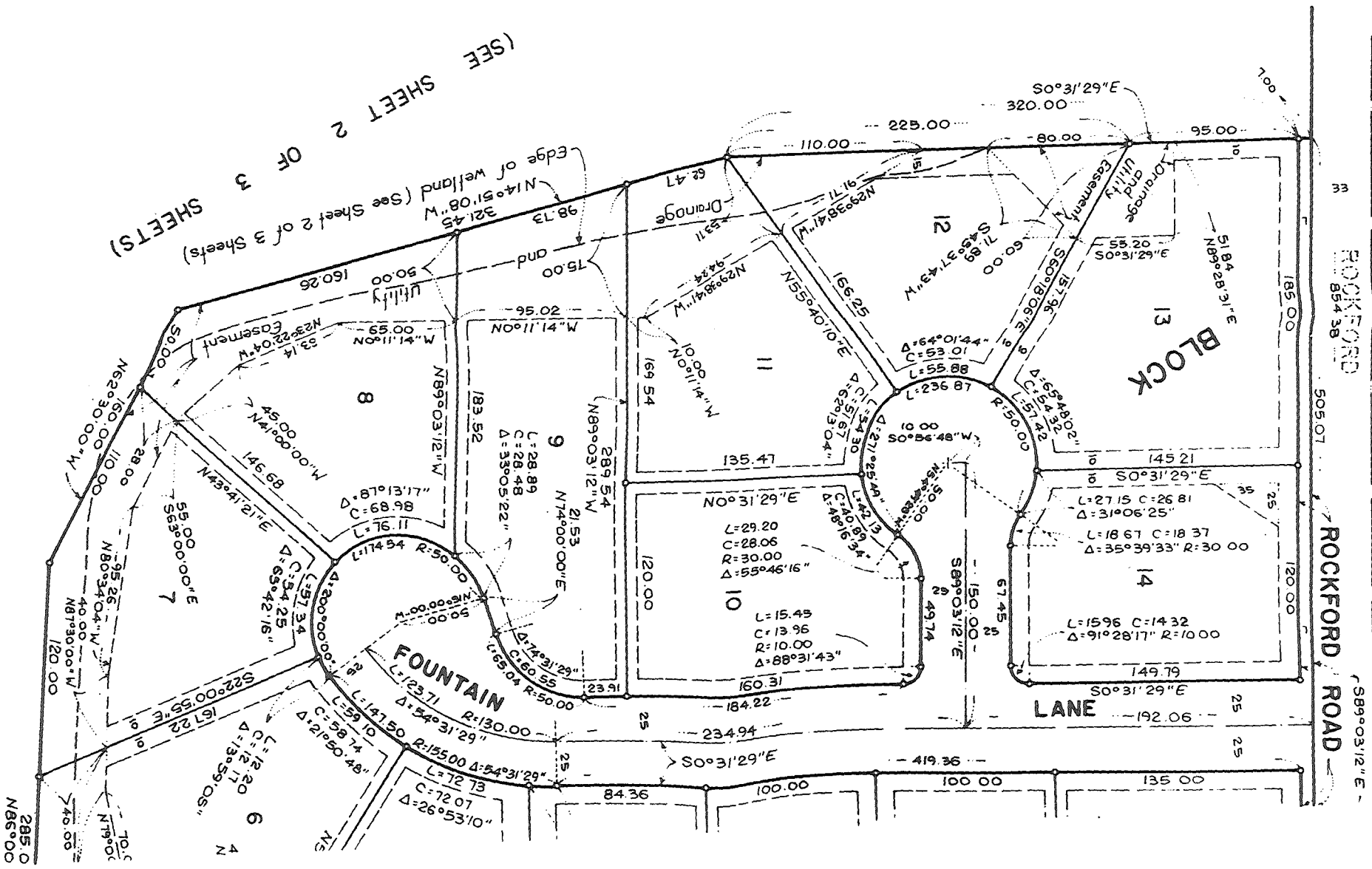
Agent's Name: Earl Peterson Agent's Title: Professional Engineer

Address: 1221 Main Street
Lone Star, MN 55555

Telephone: (612) 555-7777

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM



(SEE SHEET 2 OF 3 SHEETS)

285.0
N85°00'
740.00
N79°00'
70.5

88
854.38
5184.81
N89°28'31"E

589°03'12"E

LANE

BLOCK

FOUNTAIN

HWL 982.1

STORAGE VOLUME = 2.3 AC-FT

IND BC+P4
WL 978.0
WL 981.5

PHASE 1

PHASE 2 STORAGE VOLUME = 30.5 AC-FT

CAUTION

NWL 979.0

HWL 981.5

STORAGE VOLUME = 0.9 AC-FT

NWL 980.0

STORAGE VOLUME
4.1 AC-FT

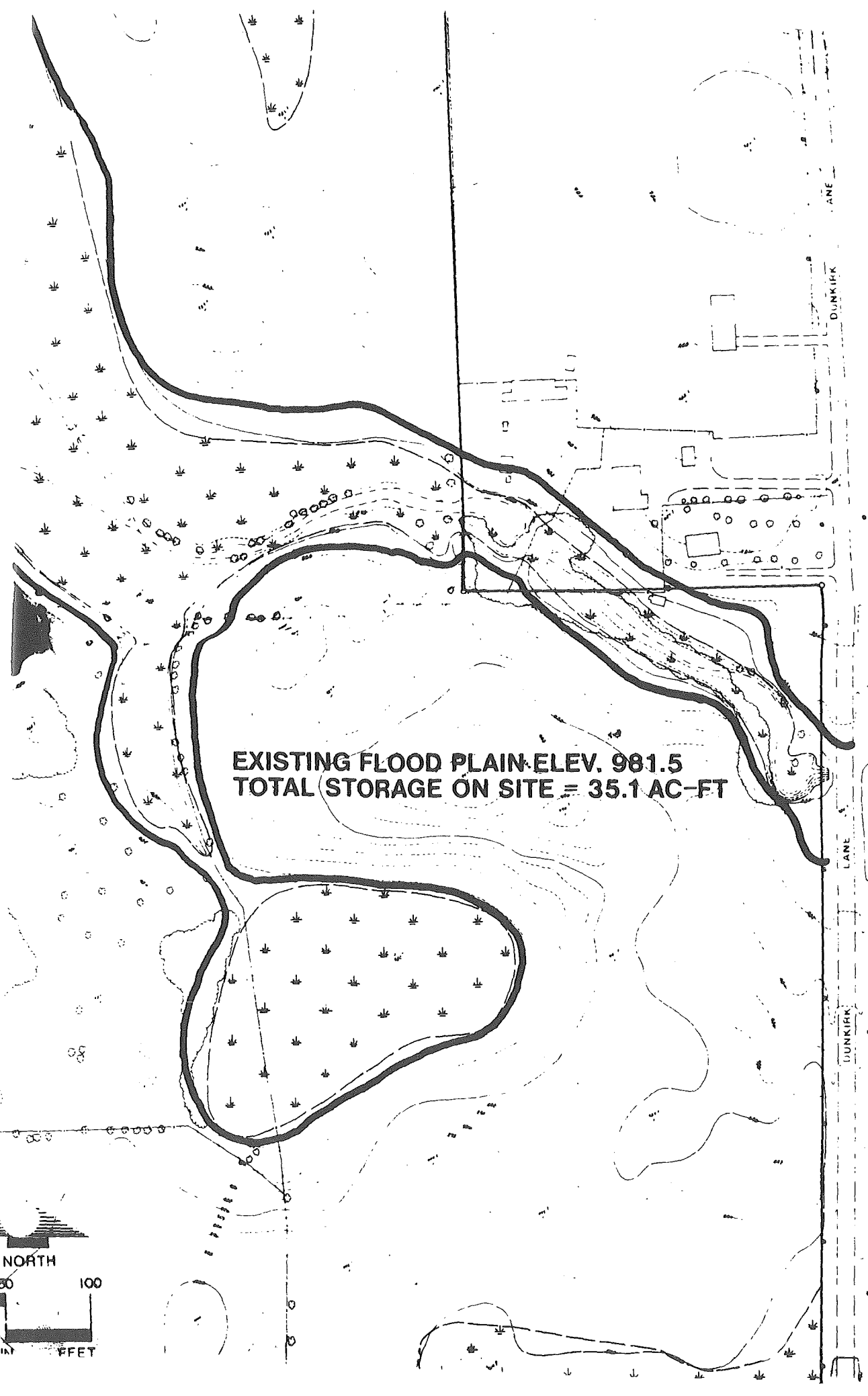
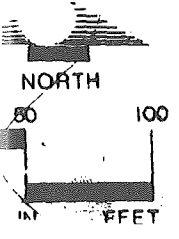
HWL 982.0

TOTAL STORAGE = 37.8 AC-FT

NOTE: EXACT 981.5 CONTOUR TO BE LOCATED BY SURVEY
DURING SPRING OF 1992 AND INCORPORATED INTO PHASE 2 PLAN

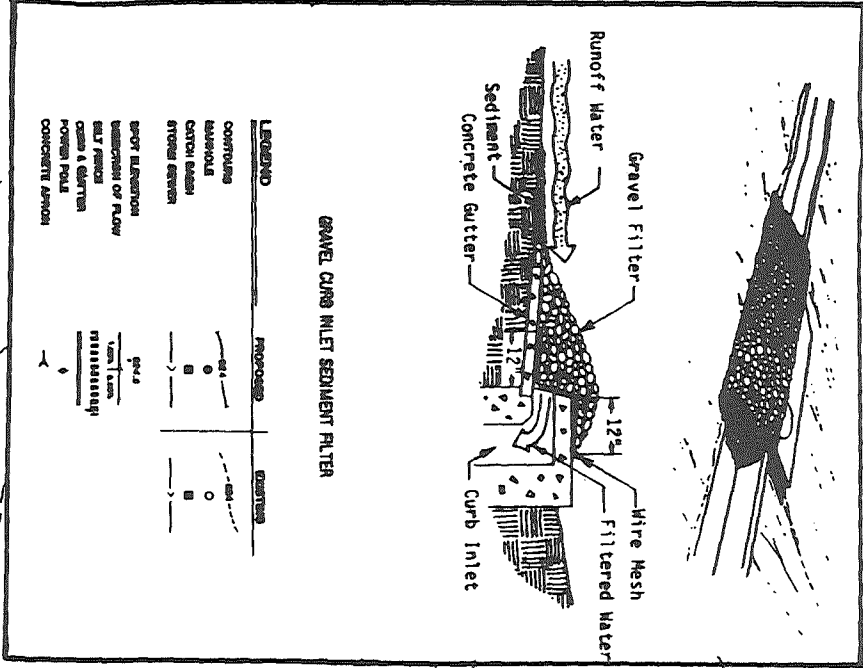


**EXISTING FLOOD PLAIN ELEV. 981.5
TOTAL STORAGE ON SITE = 35.1 AC-FT**



(APPROXIMATE LOCATION)

HAY BALLETS STAKED IN PLACE
4' HIGH BOULDER RETAINING WALL



CAUTION

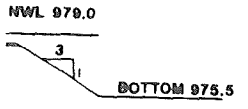
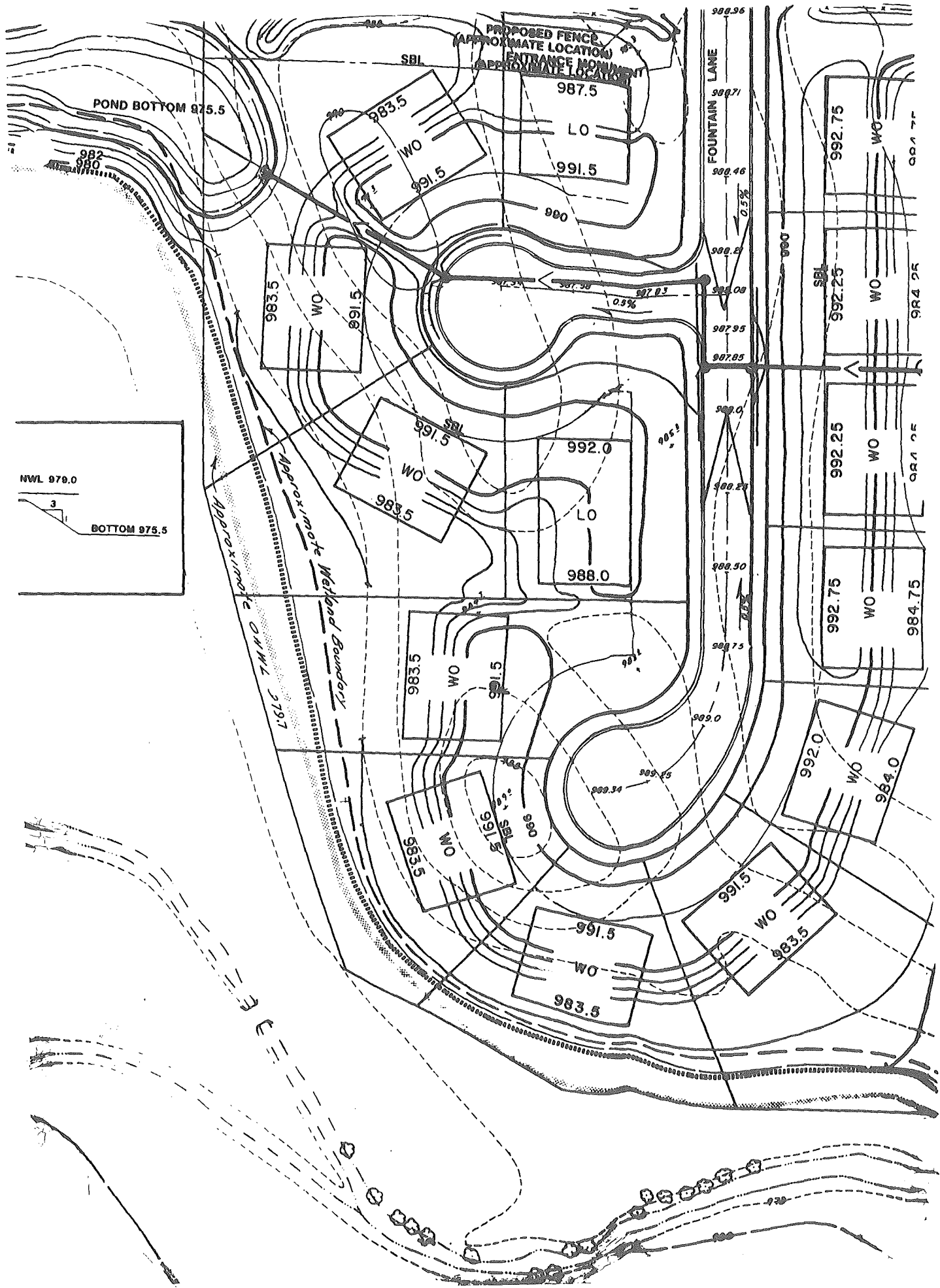
This drawing was prepared for review by the Client, **DUNKIRK** and other Regulatory Agencies. The drawing should not be relied upon for construction or the preparation of other plans. The drawing is subject to further revisions as required by the Client or other reviewing agencies.

LANE

DATE	REVISION	BY

HOLLY CREEK
FOR SCHEDER PARTNERSHIP PROPERTIES

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I



PROPOSED FENCE
(APPROXIMATE LOCATION)
ENTRANCE MONUMENT
(APPROXIMATE LOCATION)

POND BOTTOM 975.5

FOUNTAIN LANE

Approximate
Water Lane
Approximate
Meadow Boundary

SBL

SBL

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AGRICULTURAL IRRIGATION

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
 John Public Q. / / (612) 555-1234

Address (Street, RFD, Box Number, City, State, Zip Code)
 RR 7, P.O. Box 231, Smalltown, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
 NE 1/4 7 123 N 24 W

Fire No., Box No., or Project Address County Work will affect ___ lake ___ wetland ___ waterway X ag production
 same as above Dakota Waterbody Name, No. (if known) Ground water

III. ESTIMATED PROJECT COST: \$ NA LENGTH OF SHORE AFFECTED (in feet): NA

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
 (NOTE: You may substitute dimensions) NA NA

V. TYPE OF WORK AND AREA (Check all that apply): ___ FILL ___ EXCAVATE ___ REPAIR ___ CONSTRUCT
 REMOVE ___ DRAIN ___ DAM
 ___ SHORELINE ___ WETLAND ___ WATERWAY ___ DOCK ___ CULVERT ___ BRIDGE ___ LAKE
 ___ ACCESS PATH ___ RIPRAP ___ SAND BLANKET OTHER (describe): install well and irrigation system

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED: none
 Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas.
 Describe the work below; how it would be done, what equipment would be used:

Install well and center pivot irrigation system for 160 acres of corn.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):
 Irrigation will ensure an adequate water supply and increase yields.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). Do nothing. The water withdrawals will not have an adverse impact on aquifer water levels. A soil and water Conservation plan for the farm has been developed and approved by the Dakota County SWCD.

VIII. DATES-- Activity proposed to begin on: 5/15/93 Be completed: 5/31/93
 Has any of the work been done? NO ___ YES ___ (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).

Name	Address	City	State	Zip
1. Gerry Smith	R.R. 7, Box 254	Smalltown	MN	55555
2.				

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: ___ DNR ___ ARMY CORPS
 ___ COUNTY ___ TOWN/CITY ___ WATERSHED DISTRICT ___ MN. POLLUTION CONTROL AGENCY.
 Has an archaeological survey of the project site been done? NO ___ If so, by whom: ___

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

John Q. Public DATE: 3/10/93
 Signature of Person Proposing Project or Agent

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Dakota County

NA WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: _____

MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.

YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.

U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

John Q. Public 3/10/93 _____ _____
Signature of Applicant Date Signature of Agent Date

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: John Q. Public Agent's Title: —

Address: R.R. 7, Box 231
Smalltown, MN 55555

Telephone: (612) 555-1234

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM

WELL RECORD

Minnesota Statutes Chapter 1031

WELL LOCATION

County Name

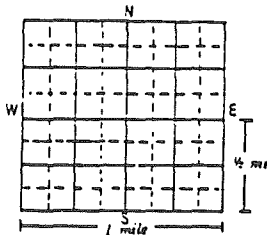
Township Name, Township No., Range No., Section No., Fraction

WELL DEPTH (completed) ft., Date of Completion

Numerical Street Address or Fire Number and City of Well Location

DRILLING METHOD: Cable Tool, Auger, Driven, Rotary, Dug, Jetted

Show exact location of well in section grid with "X". Sketch map of well location. Showing property lines, roads and buildings.



DRILLING FLUID

USE: Domestic, Irrigation, Test Well, Monitoring, Public, Dewatering, Heating/Cooling, Industry/Commercial

CASING: Steel, Plastic, Drive Shoe? (Yes/No), Threaded, Welded

HOLE DIAM. in. to ft.

CASING DIAMETER, WEIGHT: in. to ft., lbs./ft.

PROPERTY OWNER'S NAME

Mailing address if different than property address indicated above.

SCREEN: Make, Type, Slot/Gauze, Set between

OPEN HOLE: from ft. to ft., Diam.

Table with 5 columns: FORMATION LOG, COLOR, HARDNESS OF FORMATION, FROM, TO. Multiple rows for data entry.

STATIC WATER LEVEL: ft. below/above land surface, Date measured

PUMPING LEVEL (below land surface): ft. after hrs. pumping g.p.m.

WELL HEAD COMPLETION: Pileless adapter manufacturer, Casing Protection

GROUTING INFORMATION: Well grouted? GROUT Material: Neat cement, Bentonite

NEAREST SOURCE OF POSSIBLE CONTAMINATION: feet, direction, type

Well disinfected upon completion? Yes/No

PUMP: Not installed, Date installed, Manufacturer's name, Model number, HP, Volts, Length of drop pipe, Capacity, Pressure Tank Capacity, Type: Submersible, L.S. Turbine, Reciprocating, Jet

ABANDONED WELLS: Not in use and not sealed well on property? Yes/No

WELL CONTRACTOR CERTIFICATION: This well was drilled under my jurisdiction and in accordance with Minnesota Rules, Chapter 4725. The information contained in this report is true to the best of my knowledge.

Licensee Business Name, Lic. or Reg. No., Authorized Representative Signature, Date, Name of Driller, Date

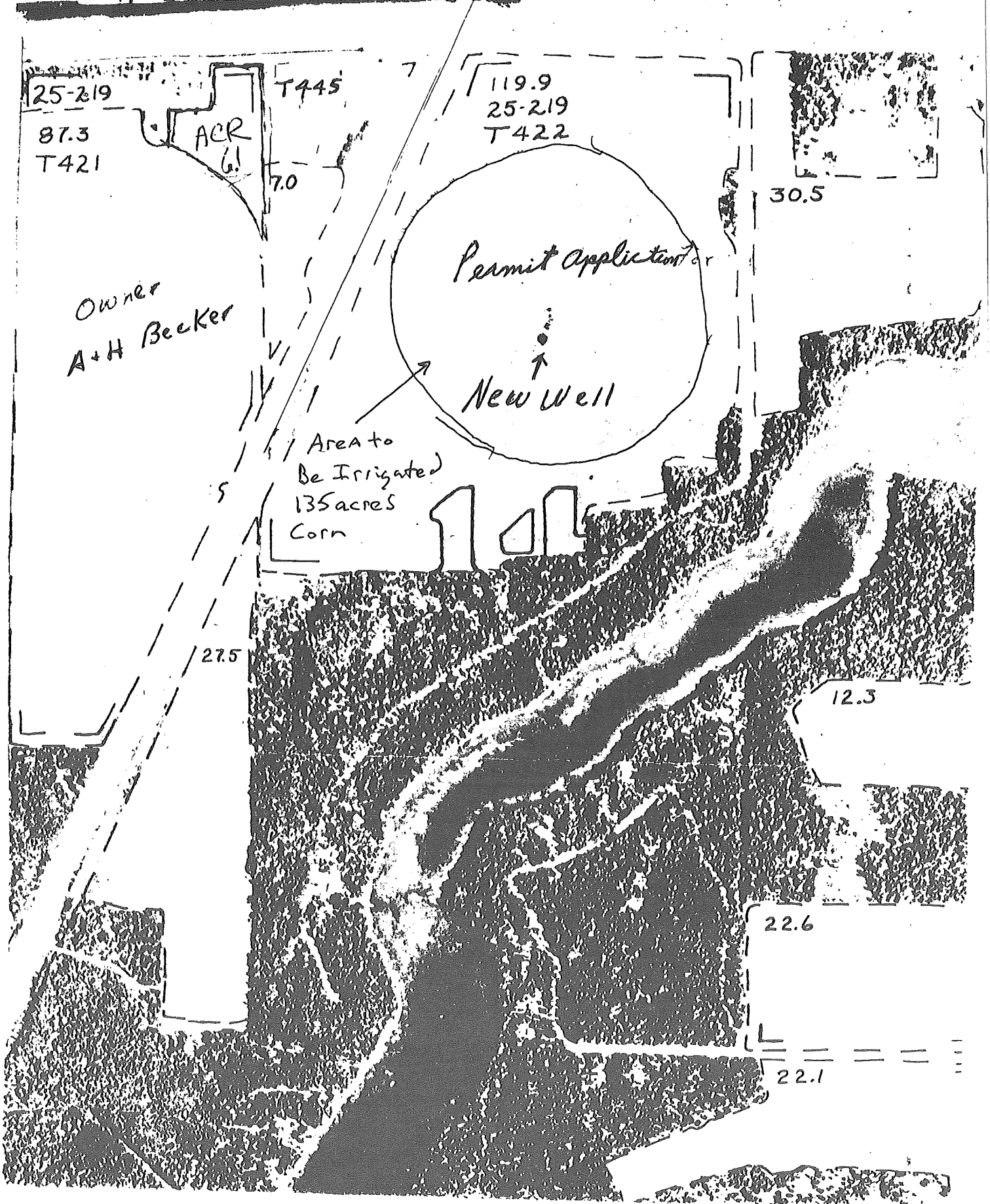
REMARKS, ELEVATION, SOURCE OF DATA, etc.

Use a second sheet, if needed

WORK COPY

HUBBARD CO. Not to scale

T-3



87.3
25-219
T421

T445

ACR
6.1

119.9
25-219
T422

30.5

Owner
A+H Becker

Permit Application
New Well

Area to
Be Irrigated
135 acres
Corn

27.5

12.3

22.6

22.1

DEWATERING

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
Mud Lake Contracting Corp. / Mary Riley / (612) 555-5555

Address (Street, RFD, Box Number, City, State, Zip Code)
1001 Hwy. 22, P.O. Box 42, Mud Lake, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
SW 1/4 NE 1/4 SW 1/4 2 37N 23W

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
Santi Waterbody Name, No. (if known) NA

III. ESTIMATED PROJECT COST: \$ NA LENGTH OF SHORE AFFECTED (in feet): NA

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
(NOTE: You may substitute dimensions) NA NA

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT

REMOVE DRAIN DAM SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
ACCESS PATH RIPRAP SAND BLANKET OTHER (describe): Dewatering for construction

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas.

Describe the work below; how it would be done, what equipment would be used: Install ten (10) sandpoint wells 25 feet deep, 6 inch diameter wells, about the construction site. 200 feet of sewer line is being replaced. Water will be discharged to the city storm sewer.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?): The wells are needed to dewater 200 feet at construction site to allow replacement of sewer line. The sewer line is decaying and needs to be replaced.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed). 1) Do nothing.

2) There are no known ground water quality problems in the area. No well interference or water quality problems are anticipated. The project will protect the environment by replacing old, worn sewer line.

VIII. DATES-- Activity proposed to begin on: June 6, 1993 Be completed: July 6, 1993
Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).

Name Address City State Zip

1. NA

2.

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.

Has an archaeological survey of the project site been done? NO If so, by whom:

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

Mary Riley
Signature of Person Proposing Project or Agent

DATE: 1/15/93

<<< PLEASE CAREFULLY READ AND COMPLETE BACK OF FORM >>>

INSTRUCTIONS--PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. **DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.**

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: _____
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Mud Lake WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION. FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

_____	_____	<u>Mary Riley</u>	<u>1/15/93</u>
Signature of Applicant	Date	Signature of Agent	Date

NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

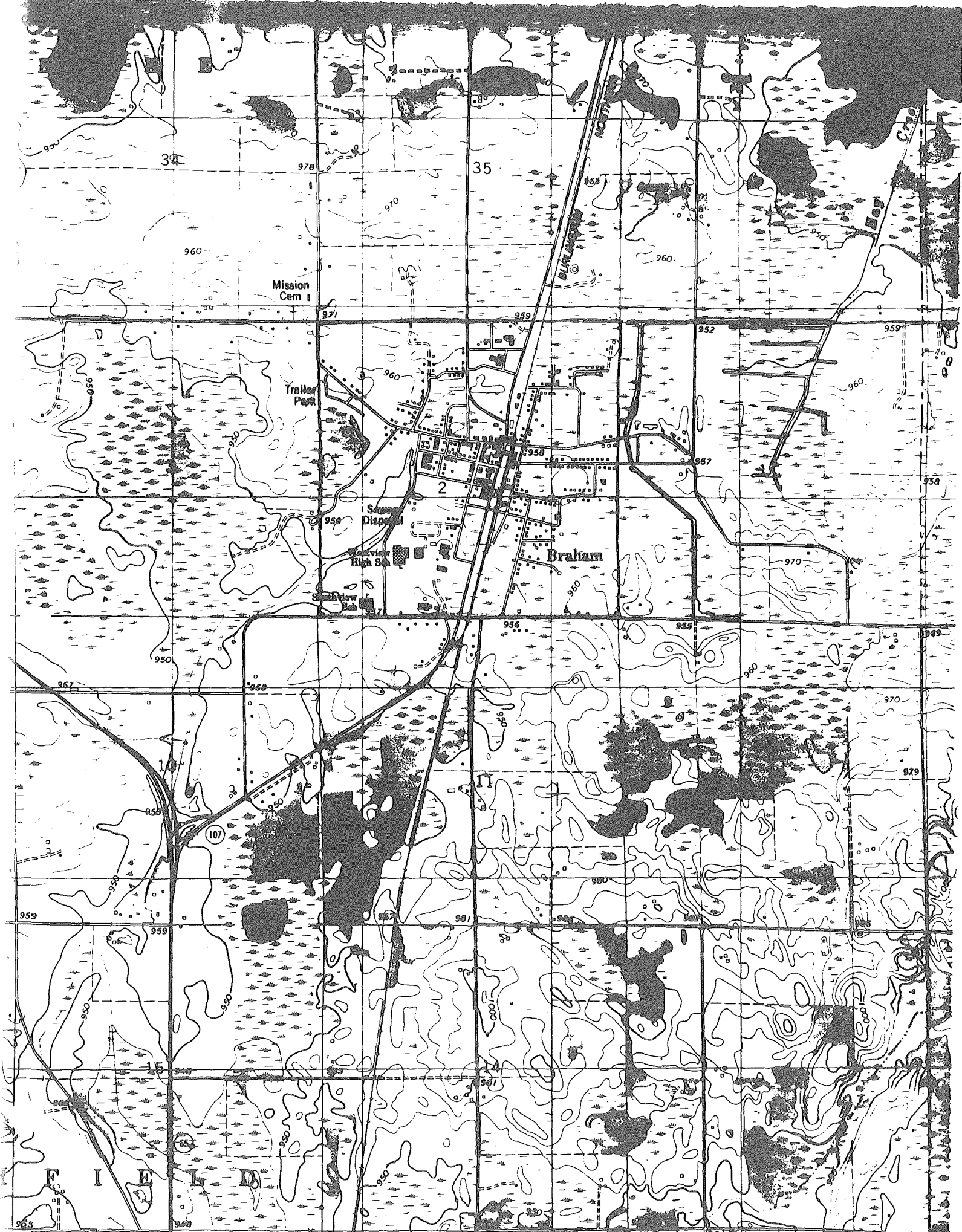
Agent's Name: Mary Riley Agent's Title: Project Engineer

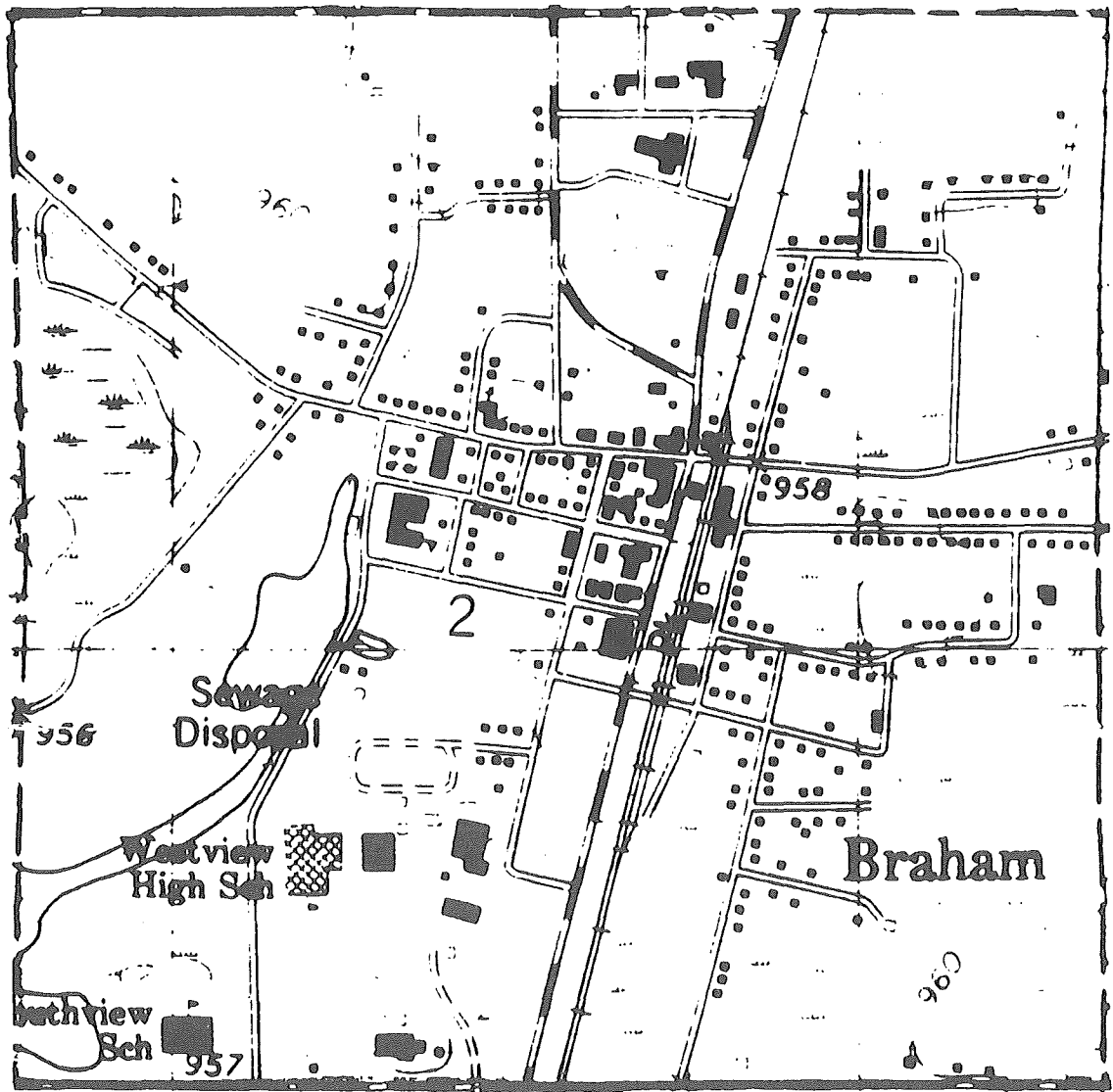
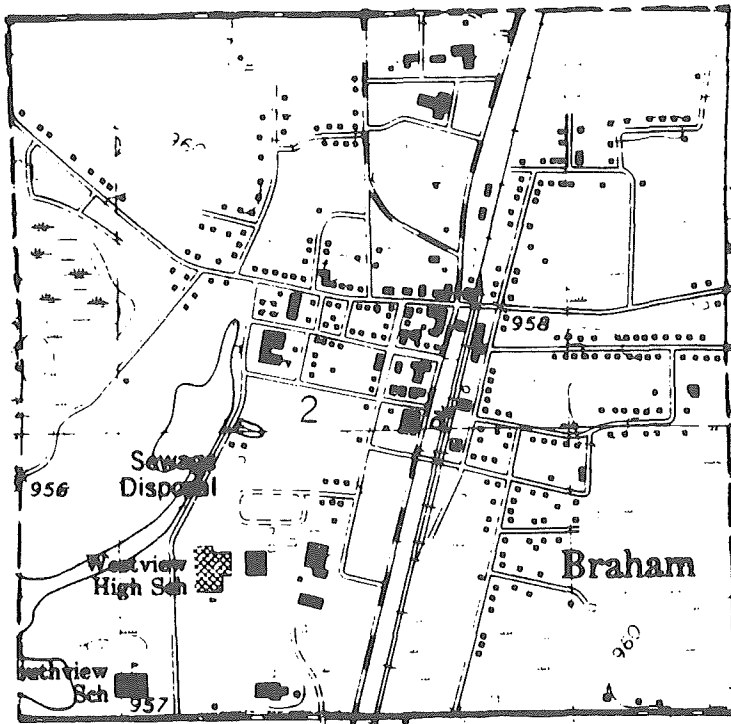
Address: 101 Hwy. 22, P.O. Box 42
Mud Lake, MN 55555

Telephone: (612) 555-5555

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of The United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both.

DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM





DUST CONTROL

LOCAL--STATE--FEDERAL PROJECT NOTIFICATION FORM

You may use this form to notify the Minnesota Department of Natural Resources, the Army Corps of Engineers, and your county and municipal offices of a project or work you propose which may fall within their jurisdiction. These agencies should advise you of their jurisdiction, if any, within 45 days of receipt of this notification. This form is provided as a convenience and its use is optional. You may, if you wish, apply for permits or authorizations using standard agency forms. Fill out this form completely and mail a copy, with plans, maps, etc. to each of the agencies listed on the reverse of the form. Keep a copy of all materials submitted for your records. You must obtain all required authorizations before beginning work. Violations of local, State, or Federal laws may be punishable by administrative, civil and/or criminal penalties.

I. Applicant's Name (First, Last, M.I.) / Authorized Agent, if any / Area Code, Telephone
Smith Sand & Gravel Co. / John Smith / (612) 555-5555

Address (Street, RFD, Box Number, City, State, Zip Code)
Box 42, Fergus Falls, MN 55555

II. LOCATION OF PROPOSED PROJECT (ATTACH DRAWING SHOWING HOW TO GET TO SITE)

Government lot(s) Quarter Section(s) Section(s) No. Township(s) No. Range(s) No. Lot, Block, Subdivision
SW¼ NE¼ SW¼ 10 13N 47W

Fire No., Box No., or Project Address County Work will affect lake wetland waterway ag production
Wilkin Waterbody Name, No. (if known) Bois de Sioux River

III. ESTIMATED PROJECT COST: \$ NA LENGTH OF SHORE AFFECTED (in feet): NA

IV. Volume of fill or excavation (cubic yds.): Area filled or excavated is acres, or square feet.
(NOTE: You may substitute dimensions) NA NA

V. TYPE OF WORK AND AREA (Check all that apply): FILL EXCAVATE REPAIR CONSTRUCT
 REMOVE DRAIN DAM
 SHORELINE WETLAND WATERWAY DOCK CULVERT BRIDGE LAKE
 ACCESS PATH RIPRAP SAND BLANKET OTHER (describe): Road dust control

WETLAND TYPE(S) AND ACREAGE(S) PROPOSED TO BE FILLED/DRAINED:

Attach drawings and plans. Include a description of any proposed compensatory mitigation. Important: Identify any disposal and borrow areas.

Describe the work below; how it would be done, what equipment would be used:
A 6,000 gallon tanker truck will be filled from the Bois de Sioux River. The water will be sprayed along the SAP 86-603-10 road construction project.

VI. PROJECT PURPOSE (why is this project needed--what benefits will it provide?):

Dust control for the SAP-86-603 10 road construction project.

VII. ALTERNATIVES (describe any other sites or methods that could be used to achieve the purpose of your project while avoiding or minimizing wetland/water impacts: Attach additional sheets, if needed).

1) Do nothing. 2) Construction areas will be surrounded by a silt fence. No adverse impacts on the flow levels in the Bois de Sioux River are anticipated.

VIII. DATES-- Activity proposed to begin on: June 11, 1992 Be completed: July 31, 1992
Has any of the work been done? NO YES (identify any completed work on drawing).

IX. ADJOINING PROPERTY OWNERS (Attach list if more than two).
Name Address City State Zip
1. NA
2. NA

X. PERMITS have been received (enter an R) or already applied for (enter an A) from: A DNR A ARMY CORPS
A COUNTY A TOWN/CITY A WATERSHED DISTRICT A MN. POLLUTION CONTROL AGENCY.
Has an archaeological survey of the project site been done? NO If so, by whom: _____

XI. I hereby notify the recipients of this form of the project proposed herein and request that I be advised of any permits or other determinations concerning this project that I must obtain. I understand that proceeding with work before all required authorizations are obtained may subject me to Federal, State, and/or local administrative, civil and/or criminal penalties.

John Smith DATE: 2/24/92
Signature of Person Proposing Project or Agent

<<< PLEASE CAREFULLY READ AND COMPLETE BACK OF FORM >>>

INSTRUCTIONS-PLEASE READ CAREFULLY

A copy of this form, with copies of all plans, drawings, etc., should be sent to each agency indicated below. Please check the appropriate spaces below to show everywhere you are sending this form. Remember to keep a copy for yourself. DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM.

- MUNICIPAL GOVERNMENT (CITY OR TOWN) OR COUNTY ZONING OFFICE. SEND TO COUNTY IF YOUR PROJECT SITE IS NOT IN A MUNICIPAL AREA. PLEASE LIST THE MUNICIPALITY OR COUNTY TO WHICH YOU ARE SENDING THE FORM: Wilkin County
- WATERSHED DISTRICT OFFICE (IF ONE EXISTS FOR YOUR PROJECT AREA). PLEASE LIST DISTRICT OFFICE NAME: Bois de Sioux WSD
- MINNESOTA DEPT. OF NATURAL RESOURCES REGIONAL OFFICE.
- YOUR LOCAL SOIL AND WATER CONSERVATION DISTRICT.
- U.S. ARMY CORPS OF ENGINEERS. SEND TO:

Department of the Army, Corps of Engineers, St. Paul District,
ATTN: CO-R, 180 Kellogg Blvd. E., Room 1421, St. Paul, MN 55101-1479

Note: The above agencies may provide a copy of your completed form to the Minnesota Pollution Control Agency (MPCA). MPCA water quality rules may apply to your proposal.

ATTENTION! FROM USDA: Any activity including drainage, dredging, filling, leveling or other manipulations, including maintenance, may affect a landuser's eligibility for USDA benefits under the 1985 Food Security Act as amended. Check with your local USDA office to request and complete Form AD-1026 prior to initiating activity.

IMPORTANT: Some of the above offices may allow this form to be used as a permit application form. The Corps of Engineers will accept this form as an application form. If you wish this form to constitute an application to the Corps of Engineers for any necessary permits for your project under Section 10 of the Rivers and Harbors Act of 1899, and/or under Section 404 of the Clean Water Act, please carefully read the following information and sign where indicated below.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities or I am acting as the duly authorized agent of the applicant.

_____	_____	<u>John Smith</u>	<u>2/24/92</u>
Signature of Applicant	Date	Signature of Agent	Date

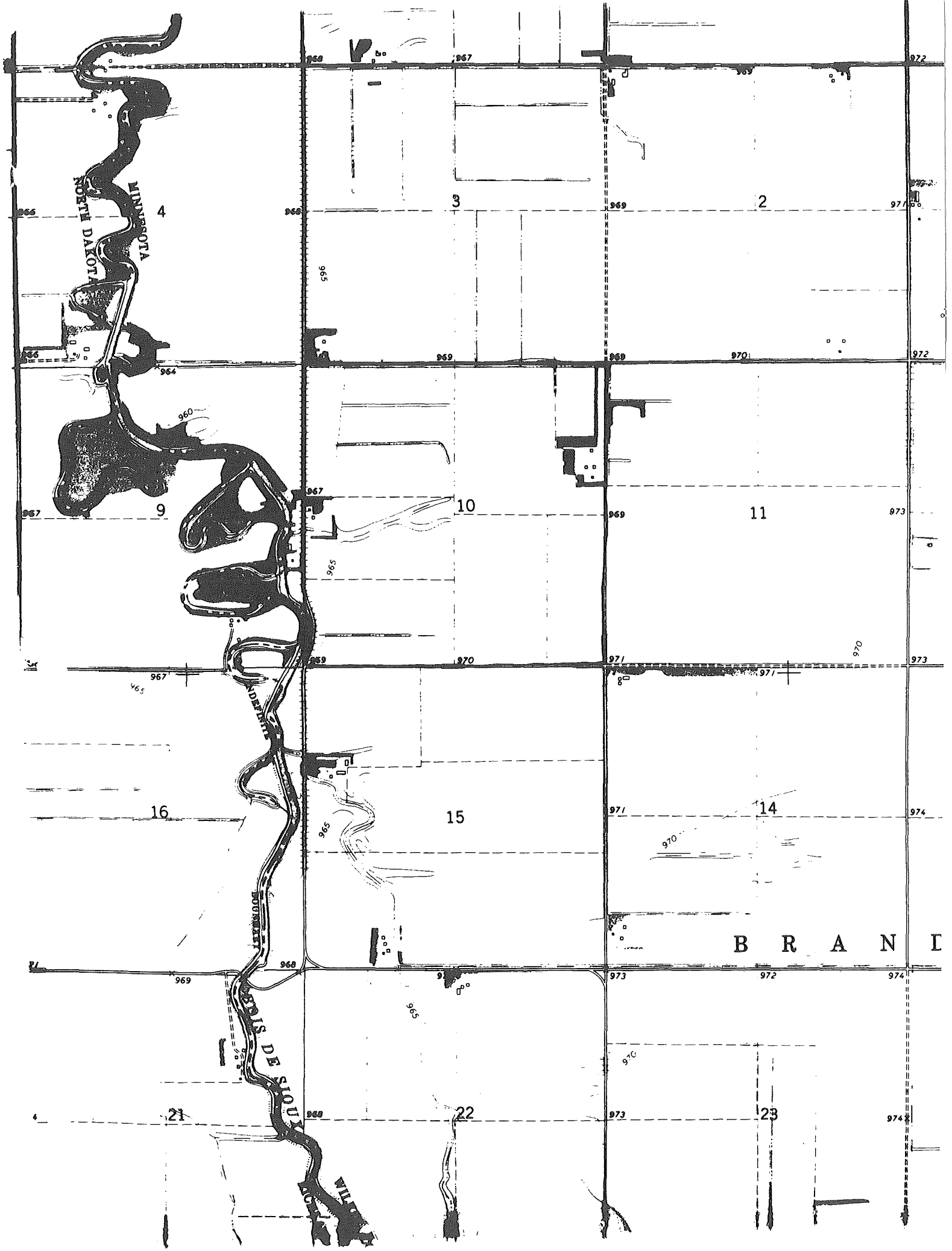
NOTE: The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the information requested below is provided.

Agent's Name: John Smith Agent's Title: Project Manager
Address: Box 42
Fergus Falls, MN 55555
Telephone: (612) 555-5555

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DO NOT SEND ANY PERMIT PROCESSING FEES WITH THIS FORM





MINNESOTA
NORTH DAKOTA

BOURNAULT
BOIS DE SIOUX

WILKINSON

B R A N L I

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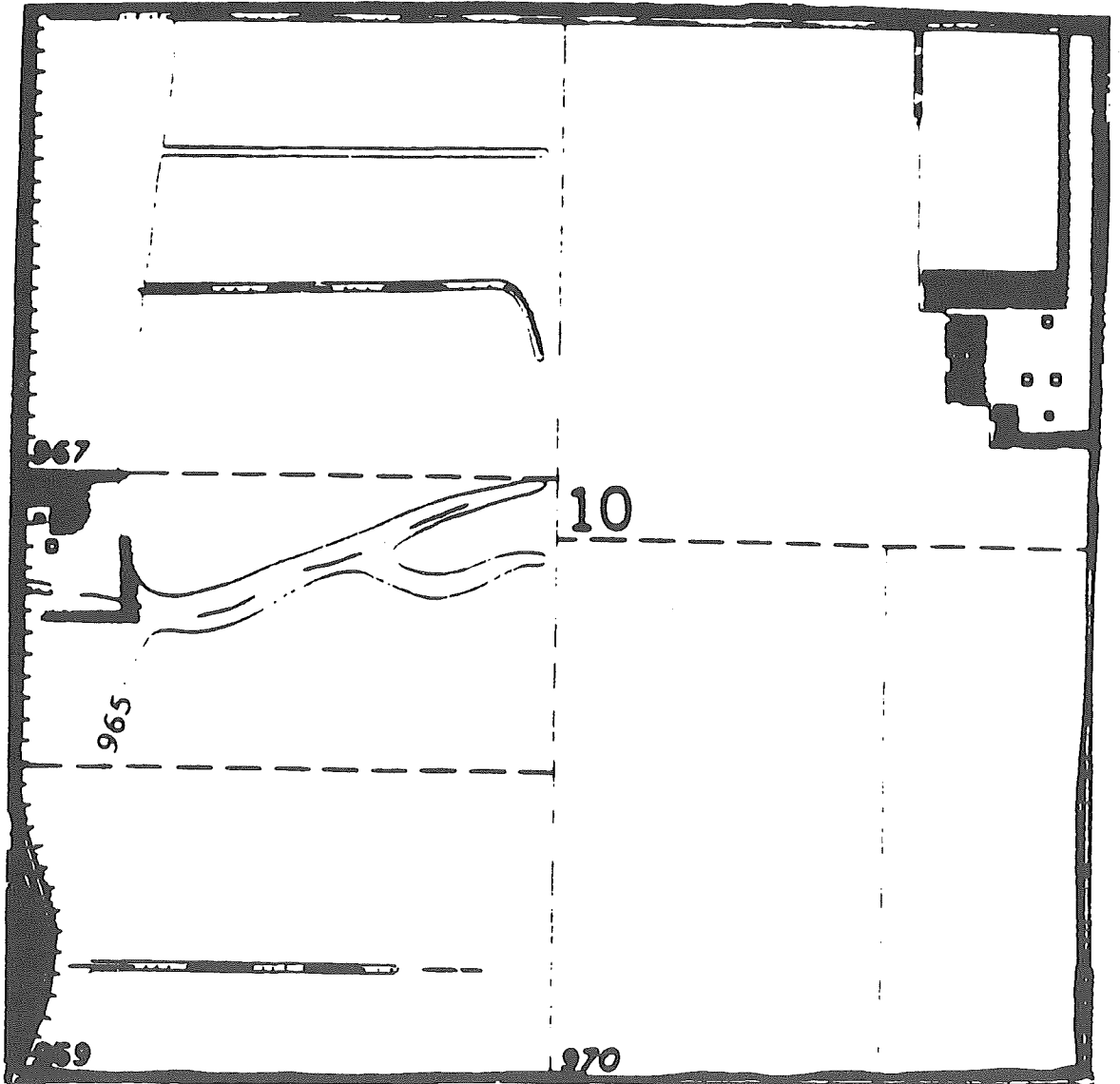
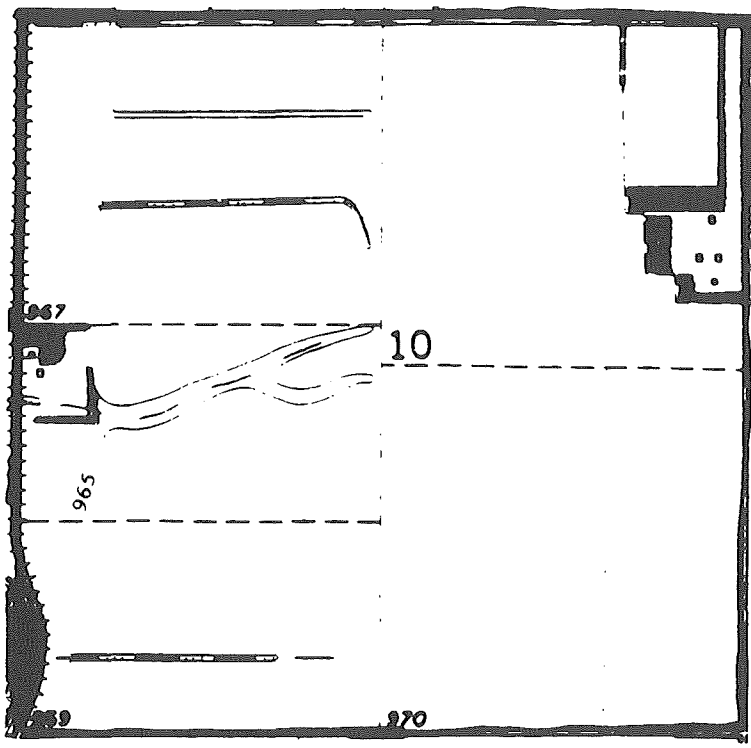
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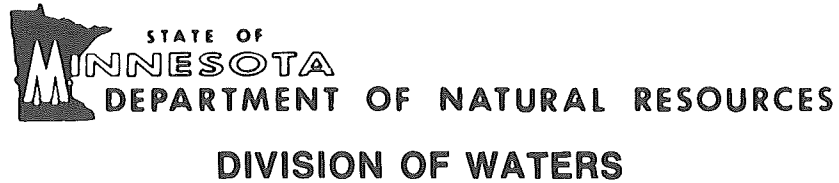
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**INSTRUCTIONS FOR COMPLETING
“LOCAL UNIT OF GOVERNMENT COMMENTS” SHEETS**

1. Complete Section I (Top) of the attached “Local Unit of Government Comments” sheets.
2. Make sure that you furnish all information that is requested and sign where designated.
3. Include this packet with the completed application form and supporting data you send to the DNR.
SEE BACK OF THIS PACKET FOR CORRECT MAILING ADDRESSES.

NOTE: The DNR will provide a copy of the application with one of these sheets to the local Soil and Water Conservation District, Watershed District (if applicable) and City or County. State law allows the local units of government 30 days to review and comment on your project.

LOCAL UNIT OF GOVERNMENT COMMENTS

PART B

Section I (To be completed by applicant)

Name of Applicant	Address (Street, RFD, Box No., City, State, Zip Code)
-------------------	---

PROJECT LOCATION	Quarter Section(s)	Section(s)	Township(s)	Range(s)	County(ies)
-------------------------	--------------------	------------	-------------	----------	-------------

Project will affect: (name and number of lake, wetland, or watercourse)

I hereby submit this application for permit to:
(mark proper box)

appropriate water work in protected waters

Signature of Applicant

X

Date

Section II (To be completed by local unit of government)

The following local unit of government comments and/or recommendations are submitted for consideration by the Department of Natural Resources in the disposition of the referenced permit application. **(YOUR RESPONSE MUST BE SUBMITTED TO THE DNR WITHIN 30 DAYS.)** Water Appropriation Permit Applications and Protected Waters Permit Applications are to be sent to the DNR Regional Office. **SEE REVERSE SIDE FOR CORRECT MAILING ADDRESSES.**

Was the proposed project field inspected by this local unit of government? NO YES (if Yes, give viewer's name)

Viewer's Name	Title
---------------	-------

Authorized Signature	Title	Date	Telephone No. (Area Code) () -
----------------------	-------	------	--

Name of responding Soil and Water Conservation District, Watershed District, City or County

Address (of the above named local unit of government)

APPLICATION FOR A PERMIT TO WORK IN PROTECTED WATERS OR WETLANDS



— PLEASE READ CAREFULLY —

Statutory Authority

Minnesota Statutes, Section 103G.245 makes it unlawful for the state, any person, partnership, association, private or public corporation, county, municipality or other political subdivision of the state, to change or diminish the course, current or cross-section of any protected waters or wetlands without a written permit previously obtained from the commissioner of Natural Resources.

— WARNING —

PROCEEDING WITHOUT A PERMIT

Any work in protected waters or wetlands which requires a permit cannot legally be started until a permit and a Notice of Permit Card have been issued by the Department of Natural Resources. Any work in protected waters or wetlands without a permit is a misdemeanor and is punishable by fines up to \$700 and/or 90 days in jail. The Commissioner also has the authority to require restoration of any work done without a permit or beyond the work authorized by a permit and shall assess double the additional application fees, as well as the actual cost for any field inspection.

You should also be aware that other federal, state and local permits may be required, which are your responsibility to obtain.

WHO APPLIES

Application must be made on the attached form and submitted to the Department of Natural Resources Regional Office for the area where the proposed project is located (see map on last page).

1. Application must be submitted by the riparian (shoreline) owner of the land on which the project is proposed, except:
 - a. A government agency, public utility, or corporation authorized by law to conduct the project may apply if the property rights acquired or to be acquired are fully described in the application. An authorized agent should be identified on the application in Part I and sign in Part XII.
 - b. A holder of appropriate property rights such as a lease or easement may apply provided that the application is countersigned by the owner and accompanied by a copy of the lease or other agreement. A permit will be issued for the term of the lease only.
 - c. A prospective lessee of state-owned lands may apply for a permit in his/her own name after a lease has been requested from the Department responsible for the affected lands. The lease request and the permit application will be processed concurrently.

FEES

Minnesota Law requires the Commissioner of Natural Resources to collect certain fees for the processing of protected waters permits. No permit can be processed until all application fees have been paid. Fees must be paid by check or money order made payable to "Department of Natural Resources". Cash payments cannot be accepted. Application fees can only be refunded when it is determined that no permit is required for the proposed project.

Application Fee

All permit applications must be accompanied by an application fee based on the following list:

<u>Type of Permit Applied For</u>	<u>Fee</u>
Build or Repair Dam Under Minnesota's Dam Safety Rules.	\$75.00
Install Riprap Shore Protection or place fill to recover shoreland lost to erosion	\$75.00
All other projects	\$75.00 minimum up to \$500 maximum based on project's cost and size (See enclosed fee calculation sheet)*.

***NOTE: Be sure to specify the actual cost of the project, the amount of shoreline to be affected and the amount of fill or excavation in the lake or stream bed in your application. These parameters will be used to determine the total application fee for your project. No permit will be issued until all fees are received.**

Field Inspection Fees

The Department will charge for cost of field inspections for any project which: (1) requires an environmental assessment worksheet (EAW) or an environmental impact statement (EIS) pursuant to Minnesota Statutes Section 116D; (2) is undertaken without a permit application; or (3) is undertaken in excess of an issued permit. The inspection fee will include the costs of necessary surveys and will be based upon the actual cost of the inspection. The cost of field inspections will be the actual cost of the field inspection, but not less than \$100.00.

(OVER)

Application Instructions

Each section below corresponds to the appropriate section on the application form. Use black ball point pen, place form on hard surface, and press firmly.

- Part I.** Applicant's Name and Address.
- Part II.** Location of Proposed Project: The application must include the location of the project described by Government Lot, parcel, quarter section, township number, range, and county as shown on the abstract of title. If the project is in a platted area, the lot and block number and the subdivision name must be reported. The fire no., box no., or address of the project site, must be indicated and a location map included in order to assist in locating the premises. Include the name and number (if known) of the lake, wetland or watercourse involved.
- Part III.** Type of Work Proposed: Please check the appropriate box(es). See the Additional Information Required section of these instructions regarding supporting information to be submitted with the application.
- Part IV.** Project Area: Please check the appropriate box(es).
- Part V.** Estimated Project Cost: What is the total estimated cost of this project? Include the cost of all materials, services, equipment purchase or rental, and labor expended for the portion of the project actually affecting protected waters.
- Part VI.** Length of Shoreline Affected: Indicate the total number of feet of shoreline that will be affected by the proposed project. Projects that affect both sides of a watercourse must include the shoreline affected on both sides.
- Part VII.** Volume of Material Filled or Excavated: Indicate the total number of cubic yards of any material to be filled or excavated in protected waters. Calculate volume by multiplying the shoreline affected by the thickness or depth of the material, then multiplying by the distance the project extends waterward. One (1) cubic yard equals twenty-seven (27) cubic feet. If the proposed project does not involve fill or excavation, place "none" in this space.
- Part VIII.** Brief Explanation of Project: Briefly describe the proposed project. How will the work be done? What types of equipment or materials will be used?
- Part IX.** Purpose of Project: Explain why this project is necessary. Be specific as to what the objectives of the project are. Replies such as "lake improvement" or "navigation improvement" are too vague to be of help in assessing the merits of the application. If more space is needed to fully explain, or to supply other applicable information, attach extra EXHIBITS (plans, sketches, photos, etc.).
- Part X.** Environmental Impact: Complete this section by indicating: proposed changes in land and water features, character, or quality, and also effects that are, or may be harmful but unavoidable (i.e. loss of wildlife habitat, increased downstream flooding, etc.). For large or very complex projects Minnesota Statutes Chapter 116D may require an Environmental Impact Statement (EIS), or Environmental Assessment Worksheet (EAW) before a permit can be issued.
- Part XI.** Alternatives: Describe any and all possible alternatives to the proposed project. (Attach additional sheets if necessary).
- Part XII.** Notarization: Notarization is required. No application can be considered complete unless properly notarized by a licensed Notary Public.

Additional Information Required

I. Additional Project Data - For All Projects:

Before your application can be considered complete, the following information and attachments **must be included**.

- A. **General Attachments:** The following data is required in support of a permit application.
1. **Ground Level Photo(s)** showing:
 - a. Water conditions at the project site.
 - b. Upland conditions.
 - c. Aquatic vegetation, if any.
 - d. Proposed spoil disposal site (if applicable).
 2. **Plat Maps** - mandatory if proposed project is on property within a platted area. The property boundaries of all adjoining land owned by the applicant in the project area should be indicated on the plat or submitted as a separate map.
 3. **Sketches/Engineering Plans** - The applicant must attach a detailed sketch or engineering plan displaying the following information:
 - a. **Cross-sectional (side-view) sketch.** This sketch should display the following information as it pertains to your project (include specific dimensions where possible):
 - 1) Water level fluctuations (present, highest, and lowest levels).
 - 2) Water depth.
 - 3) Lake bed elevation or stream bed slope.
 - 4) Location and dimensions of proposed project structure (length, width, elevation, depth, side slope, etc.).
 - 5) Location and dimensions of any aquatic vegetation.
 - 6) Identify and label lake bed and stream bed conditions and materials.
 - b. **Top view (overhead) sketch.** Indicate the following (include dimensions where possible):
 - 1) Property boundaries and lot dimensions.
 - 2) Shoreline and water location.
 - 3) Dimensions of proposed project (length, width, elevation, etc.).
 - 4) Points of reference (existing houses, structures, docks, etc.). Be sure to indicate which direction is "North"
 - 5) Extent and location of any aquatic vegetation.
 - 6) Location of spoil and disposal sites (if applicable).
 4. **Location Map** - Sketch a map that will clearly provide directions for how the project site may be reached (indicate township, range, section, highways, landmarks, etc.).
 5. **Equipment** - Indicate the type of machinery (bulldozer, dredge, etc.) that will be used to construct your project.
 6. **Lease Agreement** - Mandatory if applicant is not the landowner.
 7. **Aerial Photo(s)** - Mandatory for watercourse realignment proposals.
 8. **Additional Information** - Any additional information that you feel will further explain your project is helpful and should be included.
- B. **Extensive or Complex Projects** - For extensive or complex projects, the Department may request supplementary information including but not limited to the following: Topographic map, water table map, soil borings, depth soundings, aerial photographs, environmental assessment, and/or engineering reports. Additional information will be required.

II. Drainage Projects:

A protected water or wetland cannot be legally drained unless the area being drained is replaced by an area of equal or greater natural resource value.

If you are applying to drain a wetland, you will be asked to submit a State Water Bank Program application to determine your eligibility for State Water Bank Compensation. A State Water Bank application must be submitted before the permit application can be considered complete.

Please direct any questions you may have to the Regional Hydrologist at the DNR Regional Office serving you.

III. Bridge and Culvert Projects.

If you are proposing to construct, reconstruct, or relocate a bridge or culvert you will be asked to submit additional hydrologic/hydraulic information. If you have any questions regarding bridge and culvert projects, please contact the Regional Hydrologist.

IV. Dams (Dam Safety Projects):

If you are proposing to construct, enlarge, alter, remove, abandon or conduct major repair on a dam you may be asked to submit additional information. For further information on dam safety requirements, contact the Dam Safety Unit, Division of Waters, Department of Natural Resources, 500 Lafayette Road, St. Paul, Minnesota 55155-4032 telephone: (612) 296-4800.

V. Utility Crossings:

Minnesota Statutes, Chapter 84.415 and Minnesota Rules Part 6135 prohibits utility passage over, under or across protected waters unless a license has been previously obtained from the commissioner of Natural Resources. Utilities include telephone, telegraph, and electric power lines, cables or conduits, underground or otherwise, or mains or pipelines for gases, liquids, or solids in suspension. Projects requiring a utility crossing license will not require a protected waters permit.

Further information concerning utility crossings can be obtained by contacting: Department of Natural Resources - Real Estate Management, 500 Lafayette Road, St. Paul, Minnesota 55155-4030, telephone (612) 296-4097.

SUBMITTING APPLICATION

Make sure that you furnish all information that is requested and sign and notarize the application form. Forms that are incorrectly filled out, or lack requested information, will cause delay in your application.

After you have completed the application, keep the last copy (canary) and the instruction sheet for your records, and forward the remaining copies with five (5) sets of all supporting maps, plans, specifications, etc. to the DNR Regional Office serving you. Mailing addresses can be found on the last page. **BE SURE TO INCLUDE ALL APPLICATION FEES WITH YOUR APPLICATION.**

QUESTIONS

If you have any questions on the procedure for making application, please contact the DNR Regional Office serving you. The address and telephone number of each DNR office can be found on the last page.

**SEE MAP ON OTHER SIDE OF
THIS PAGE**

— NOTICE —
WATERS OF THE UNITED STATES

You should be aware that projects which will involve drainage, excavation, fill or impoundment of wetlands or waters of the United States, even those wetlands outside of the jurisdiction of the DNR, may require an individual permit from the U.S. Army Corps of Engineers. Persons proposing such projects should contact the Regulatory Branch, U.S. Army Corps of Engineers, 1421 U.S. Post Office and Custom House, St. Paul, Minnesota 55101-1479 (telephone: (612) 220-0375) for further information.

— ADDENDUM —
**NOTICE TO APPLICANTS FOR DNR PERMIT TO CHANGE THE COURSE,
 CURRENT OR CROSS-SECTION OF PROTECTED WATERS**

The Department of Natural Resources (DNR) and the Pollution Control Agency (PCA) are working together to avoid duplication in state agency permit review of proposed activities affecting protected waters in Minnesota. The attached form was prepared by the DNR and the PCA to minimize your work in contacting state agencies for project approval.

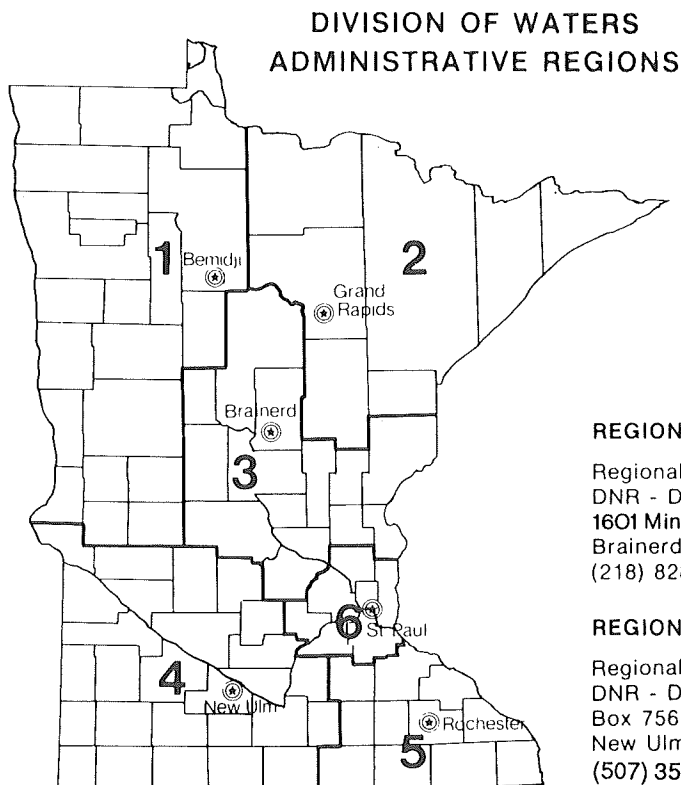
Please complete this form by placing an "X" in the appropriate box or boxes. If your project does not involve any of the actions listed on this form, place an "X" in the box after item 9.

If your project will involve any of the actions listed for boxes 1 through 8, a copy of your DNR permit application will be forwarded to the Pollution Control Agency (PCA) for their review. If a separate PCA permit or approval is required, you will be so notified by the PCA.

Place an "X" in the box, if applicable.

1. The project will involve the deposition of asphalt, concrete, cut vegetation or other solid waste as fill material.
2. The project will involve excavation of materials from protected waters through the use of any device which removes materials by pumping or suction action (i.e. hydraulic dredging).
3. The project will involve excavation of more than 1,000 cubic yards of material from the beds of the following waters:
 - a. Lake Pepin on the Mississippi River (River miles 763 to 787 USCE Charts).
 - b. Pool # 2 in the Mississippi River from Lock & Dam # 1 (the Ford Dam) to Lock & Dam #2 (Hastings-River miles 725 to 814 USCE Charts).
 - c. Minnesota River from Savage to its mouth at the Mississippi River (Mile 844 USCE River chart).
 - d. Duluth Superior Harbor and the St. Louis Bay area of the St. Louis River extending to Spirit Lake.
 - e. The Fairmont chain of lakes including Budd, Siseton, Hall, and Amber Lakes in Martin County.
 - f. Albert Lea Lake, Freeborn County.
 - g. Warroad River Upper Harbor Area extending from the mouth of the Warroad River to CSAH No. 11.
 - h. Red River of the North from Wahpeton to the Canadian border.
4. The project will involve excavation and/or fill in protected waters for construction of utility lines carrying any materials except treated water in a liquid or semi-solid state, including but not limited to petroleum or petroleum products, chemicals, sewage or coal slurries.
5. The project will involve construction of docks, piers or wharves which will involve new fuel handling facilities.
6. The project will involve new construction, reconstruction or repair of structures for generation of hydroelectric power.
7. The project will involve construction of new ancillary facilities for sanitary sewers, boat pumpouts, on-site waste treatment or holding tanks.
8. The project will involve the on-site disposal by burning of vegetation to be removed during project construction.
9. The project will not involve any of the above.

Applicant name (type or print)	Applicant signature
Applicant address	



REGION 1

Regional Hydrologist
 DNR - Division of Waters
 2115 Birchmont Beach Road N.E.
 Bemidji, MN 56601
 (218) 755-3973

REGION 2

Regional Hydrologist
 DNR - Division of Waters
 1201 East Highway 2
 Grand Rapids, MN 55744
 (218) 327-4416

REGION 3

Regional Hydrologist
 DNR - Division of Waters
 1601 Minnesota Drive
 Brainerd, MN 56401
 (218) 828-2605

REGION 5

Regional Hydrologist
 DNR - Division of Waters
 P.O. Box 6247
 Rochester, MN 55903
 (507) 285-7430

REGION 4

Regional Hydrologist
 DNR - Division of Waters
 Box 756, Highway 15 South
 New Ulm, MN 56073
 (507) 359-6053

REGION 6

Regional Hydrologist
 DNR - Division of Waters
 1200 Warner Road
 St. Paul, MN 55106
 (612) 772-7910



PERMIT APPLICATION
TO WORK IN PROTECTED WATERS OR WETLANDS
(INCLUDING DAM SAFETY)

OFFICE USE ONLY.	
P.A. NO.	
<input type="checkbox"/> SWCD	<input type="checkbox"/> C/C
<input type="checkbox"/> W.D.	<input type="checkbox"/> USCOE

▶▶ Please read instructions before attempting to complete this application.

I. Applicant's Name (Last, First, M.I.)	Authorized Agent (if applicable)	Telephone Number & area code ()
Address (Street, RFD, Box Number, City, State, Zip Code)		

II. LOCATION OF PROPOSED PROJECT (BE SURE TO INCLUDE SKETCH SHOWING HOW TO GET TO THE SITE)					
Government Lot(s)	Quarter Section(s)	Section(s) No.	Township(s) No.	Range(s) No.	Lot, Block, Subdivision
Fire No., Box No. or Project Address			County	Project will affect <input type="checkbox"/> Lake, <input type="checkbox"/> Wetland or <input type="checkbox"/> Watercourse (name & number, if known)	

III. TYPE OF WORK PROPOSED (CHECK ONE)	IV. TYPE OF PROJECT (CHECK ONE)
<input type="checkbox"/> excavate <input type="checkbox"/> repair <input type="checkbox"/> fill <input type="checkbox"/> remove <input type="checkbox"/> drain <input type="checkbox"/> abandon <input type="checkbox"/> construct <input type="checkbox"/> other (specify) _____ <input type="checkbox"/> install _____	<input type="checkbox"/> shoreline <input type="checkbox"/> shore-protection <input type="checkbox"/> obstruction <input type="checkbox"/> dam <input type="checkbox"/> channel <input type="checkbox"/> harbor <input type="checkbox"/> bridge <input type="checkbox"/> other <input type="checkbox"/> sand blanket <input type="checkbox"/> permanent dock <input type="checkbox"/> culvert (specify) _____ <input type="checkbox"/> riprap <input type="checkbox"/> wharf _____

V. ESTIMATED PROJECT COST \$	VI. LENGTH OF SHORELINE AFFECTED (IN FEET):
------------------------------	---

VII. VOLUME OF MATERIAL FILLED OR EXCAVATED (IN CUBIC YARDS):

VIII. BRIEF EXPLANATION OF PROJECT: (EXPLAIN <u>WHAT</u> PROJECT CONSISTS OF AND <u>HOW</u> WORK WILL BE DONE)

IX. PURPOSE OF PROJECT: (Explain <u>why</u> this project is needed)

X. ENVIRONMENTAL IMPACT (Anticipated changes to the water and related land resources, including unavoidable but detrimental effects)

XI. ALTERNATIVES (Other alternatives to the action proposed)

XII. I hereby make application pursuant to Minnesota Statutes Chapter 103G.245 and all supporting rules for a permit to work in or affect the above named protected water(s) in accordance with all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge.

STATE OF _____

COUNTY OF _____

Subscribed and sworn to before me this

Signature of Owner or Authorized Agent	Date
Signature of Leasee	Date

_____ day of _____ 19____

My commission expires

- Distribution:
- White: DNR
 - Blue: SWCD
 - Green: Watershed District
 - Goldenrod: City or County
 - Pink: Army Corps of Engineers
 - Canary: Applicant

Signature of Notary



PERMIT APPLICATION FOR APPROPRIATION OF WATERS OF THE STATE — IRRIGATION

WARNING: ALL INFORMATION AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THIS APPLICATION BECOME PUBLIC INFORMATION. Omission of any data requested will delay the processing of your application and may result in its denial.

WHO APPLIES: Any individual, agency, corporation, or entity appropriating in **excess of 10,000 gallons/day and/or 1 million gallons/year** must obtain a Water Appropriation Permit from the Department of Natural Resources as prescribed by Minnesota Statutes, Chapter 105 and Minnesota Rules 6115.0600-6115.0810.

PROCEEDING WITHOUT A PERMIT. Any appropriation in excess of the above stated amounts without a permit constitutes a misdemeanor.

Note: Other federal, state, or local permits or approvals may also be required which are the responsibility of the applicant to obtain.

APPLICATION INSTRUCTIONS

Read **ALL** instructions carefully before filling out the application. Please type or print clearly. (Press hard).

PART A — APPLICANT

1. — 6. Fill in as directed.

PART B — PROJECT INFORMATION

7. **SOURCE OF WATER:** Mark only one box.

Note: Submit one application for each source of water or system. For example, several wells in the same aquifer manifolded together into **one system** constitute **one source**; however, a stream and a gravel pit are **two** sources of water and would require separate applications. If you are unsure whether your project would require one or more applications, contact a Division of Waters Office.

- a. **WELL** — Submit — 1) a copy of the official **Water Well Record**, 2) test hole logs, and 3) pumping test data, all of which are available from the driller.
- b. **MANIFOLDED WELLS** — Indicate the number of wells to be manifolded into one system. Submit the **SAME** information requested in 7.a. for **EACH** well to be used.

Note: If your well(s) is located in an aquifer for which hydrologic data is limited or unavailable, you may be required to submit information regarding domestic wells within a 1-½ mile radius of your irrigation well(s). The Department will advise you whether you are required to submit this information after the receipt of your application and Water Well Record(s).

c. **STREAM, DITCH, OR RIVER** — Identify it and submit the following:

- 1) A **contingency plan** describing the alternatives you would utilize if the appropriation is restricted because of low water conditions. If no alternative water supply is available, you must submit a written statement agreeing to withstand the results of no appropriation.

Note: NO appropriation for irrigation from designated trout streams shall be approved.

d. **WETLAND, LAKE, OR IMPOUNDMENT** — Identify it and submit the following:

- 1) A contingency plan (see 7.c.1).
- 2) For basins less than 500 acres in size, you must:
 - a) Notify **all** riparian landowners and submit a list of those landowners.
 - b) Obtain a signed statement from as many of those riparian landowners as possible which states their support of the proposed appropriation.
 - c) Provide an accounting of the number of signatures of riparian owners you are unable to obtain.

e. **OTHER** — Gravel pits, farm ponds, dug pits, etc. Submit information on:

- 1) Physical dimensions (length — width — depth).
- 2) Depth to water from land surface.

Note: Any proposed alteration of the beds or banks of the above mentioned water basins or streams may require a protected (public) waters permit from this Department. This may also include the construction of a pit in a wetland area. Contact a Division of Waters Office for details.

8. **POINT(S) OF TAKING/PUMPING SITE(S):** Indicate the location of your well(s) or pumping site by completing a. — e. Indicate this location to the nearest 10 acre tract by completing a. (ex. NW 1/4 of NE 1/4 of SE 1/4). If you plan to install multiple wells or pumping sites, attach a letter of explanation, including the legal description of each well/pump site, its pumping rate, and method of measurement.
9. **MEANS OF TAKING AND RATE:** If you mark "d.", specify the method to be used and the rate of taking (in gallons per minute or cubic feet per second). If multiple wells or pump sites are to be used, attach a letter of explanation (see #8).
10. **METHOD OF MEASUREMENT:** Fill in as appropriate.
- Note:** A flow meter must be installed if the pumping rate is to exceed 1500 gpm, unless the applicant can show justification why it cannot practically be used or is not necessary.
11. **LEGAL DESCRIPTION:** Describe the property that will be affected by your project (ex. — T101N, R14W, Section 5, NW 1/4 and N 1/2 SW 1/4). **If property other than what you own will be affected, you must attach a copy of the land agreement** which includes a) the legal description of the property; b) the termination date of the agreement; and c) the signatures of all parties.
12. — 13. Fill in as appropriate.
14. **IRRIGATION SYSTEM TO BE USED:** Mark the appropriate box. If you are using more than one system (ex. — 2 center pivots, or 1 center pivot and 1 travelling gun) to be run from the same source, mark the appropriate boxes and specify the number of acres to be covered by each system.
15. — 17. Fill in as appropriate.
18. **SOIL & WATER CONSERVATION PLAN:** Indicate if a conservation plan, endorsed by the SWCD, has been developed for the acreage you propose to irrigate.
19. **ADDITIONAL REQUIREMENTS:** Submit the following as part of your application:
- Map or air photo.
 - Minimum **\$75.00** filing fee for each permit application (check payable to the "DEPARTMENT OF NATURAL RESOURCES"). **CASH CANNOT BE ACCEPTED.**
An additional fee may be required depending upon the scope of your project.
 - Describe alternative sources of water and methods considered and why the proposed alternative was selected.
 - Additional documents, letters, or statements required.

PART C

Your application will be **returned** if it is not notarized.

MAILING: Submit the following to the appropriate DNR Regional Office (See map on **back page** for address):

- 1) application (Keep yellow copy for your records)
- 2) supporting documents
- 3) filing fee

LOCAL REVIEW: Minnesota Statutes allow local units of government 30 days to review your project and submit comments to the DNR. A copy of your application will be submitted by the DNR to:

- 1) local soil & water conservation district.
- 2) watershed district (if applicable).
- 3) city (if applicable).

ADDITIONAL DATA: You may be required to submit specific additional information regarding your project. You will be notified if this information is required.



BOX 32, 500 LAFAYETTE RD.
ST. PAUL, MN. 55155-4032
(612) 296-4800

OFFICE USE ONLY	P.A. No. _____
	Date(s) Served _____
	<input type="checkbox"/> SWCD _____
	<input type="checkbox"/> WSD _____
	<input type="checkbox"/> CITY _____

PERMIT APPLICATION FOR APPROPRIATION OF WATERS OF THE STATE - IRRIGATION

NOTICE OF WARNING: All information provided on this form is considered to be public information in accordance with the Minnesota Data Privacies Act (M.S. 15.1611 to 15.1698).

▶ SEE INSTRUCTIONS... TYPE OR PRINT CLEARLY.

1. Applicant Name		2. Authorized Agent (if applicable)		3. Home Phone No. ()													
4. Mailing Address		5. City, State, Zip Code		6. Work Phone No. ()													
7. Source of Water (X one and complete) ▶ Additional information MUST be supplied for each source Refer to instructions (7&8) for requirements.			8. Point of Taking/Pumping Site		9. Means of Taking and Rate												
a. <input type="checkbox"/> One well b. <input type="checkbox"/> _____ <u>manifolded</u> wells c. <input type="checkbox"/> Stream, ditch, or river (name) _____ d. <input type="checkbox"/> Wetland, lake, or impoundment (name) _____ e. <input type="checkbox"/> Other _____			a. _____ 1/4 of _____ 1/4 of _____ 1/4 b. Section No. _____ c. Township No. _____ d. Range No. _____ e. County _____		a. <input type="checkbox"/> Stationary Pump at _____ gpm b. <input type="checkbox"/> Portable Pump at _____ gpm c. <input type="checkbox"/> Gravity Flow at _____ gpm/cfs d. <input type="checkbox"/> Other _____ gpm/cfs (circle one)												
10. Method of Measurement		11. Legal Description - Land Owned/Rented*			12. Schedule of Irrigation												
a. <input type="checkbox"/> Flow Meter b. <input type="checkbox"/> Timing Device c. <input type="checkbox"/> Estimated Amount d. <input type="checkbox"/> Electric Power Consumption e. <input type="checkbox"/> Other _____		Township No. _____ Range No. _____ Section _____ Fractional Section/Gov't. Lot _____ _____ _____ _____ _____ *Rental Agreement MUST Be Submitted			<input type="checkbox"/> JAN <input type="checkbox"/> MAY <input type="checkbox"/> SEP <input type="checkbox"/> FEB <input type="checkbox"/> JUN <input type="checkbox"/> OCT <input type="checkbox"/> MAR <input type="checkbox"/> JUL <input type="checkbox"/> NOV <input type="checkbox"/> APR <input type="checkbox"/> AUG <input type="checkbox"/> DEC												
13. Irrigation of: (X those that apply)			14. Irrigation System To Be Used		15. Major Soils and Percentage of Each:												
a. <input type="checkbox"/> Upland Crops: <input type="checkbox"/> Corn <input type="checkbox"/> Potatoes <input type="checkbox"/> Alfalfa <input type="checkbox"/> Soybeans <input type="checkbox"/> Other _____ b. <input type="checkbox"/> Golf Course: <input type="checkbox"/> 9 Hole <input type="checkbox"/> 18 Hole <input type="checkbox"/> Other _____ c. <input type="checkbox"/> Wild Rice d. <input type="checkbox"/> Other _____			a. <input type="checkbox"/> Center Pivot b. <input type="checkbox"/> Travelling Gun c. <input type="checkbox"/> Linear System d. <input type="checkbox"/> Fixed Sprinkler e. <input type="checkbox"/> Other _____		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">SOIL TYPE</th> <th style="width: 30%;">PERCENTAGE</th> </tr> </thead> <tbody> <tr><td>_____</td><td style="text-align: right;">%</td></tr> <tr><td>_____</td><td style="text-align: right;">%</td></tr> <tr><td>_____</td><td style="text-align: right;">%</td></tr> <tr><td>_____</td><td style="text-align: right;">%</td></tr> <tr><td>_____</td><td style="text-align: right;">%</td></tr> </tbody> </table>	SOIL TYPE	PERCENTAGE	_____	%	_____	%	_____	%	_____	%	_____	%
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16. Total Acres Irrigated (No. of Acres)		17. Total Annual Use (Inches/Acre/Year)		19. ADDITIONAL REQUIREMENTS:													
_____		_____															
18. SOIL and WATER CONSERVATION PLAN			19. ADDITIONAL REQUIREMENTS:														
<input type="checkbox"/> YES <input type="checkbox"/> NO																	
▶ I hereby make application pursuant to Minnesota Statutes Chapter 105.41 and all supporting rules for a permit to appropriate water in accordance with all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge.																	
				20. Applicant or Authorized Signature													
STATE OF _____																	
COUNTY OF _____																	
Subscribed and sworn to before me this _____ day of _____ 19____				21 Date													
My commission expires																	
Signature of Notary																	

▶ **IMPORTANT:** Submit this application and all supporting data to the DNR Regional Office serving you. (See back for addresses)

APPLICANT: KEEP YELLOW COPY FOR YOUR RECORDS



PERMIT APPLICATION FOR APPROPRIATION OF WATERS OF THE STATE — NON-IRRIGATION

WARNING: ALL INFORMATION AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THIS APPLICATION BECOME PUBLIC INFORMATION. Omission of any data requested will delay the processing of your application and may result in its denial.

WHO APPLIES: Any individual, agency, corporation, or entity appropriating in **excess of 10,000 gallons/day and/or 1 million gallons/year** must obtain a Water Appropriation Permit from the Department of Natural Resources as prescribed by Minnesota Statutes, Chapter 105 and Minnesota Rules 6115.0600-6115.0810.

PROCEEDING WITHOUT A PERMIT: Any appropriation in excess of the above stated amounts without a permit constitutes a misdemeanor.

Note: Other federal, state, or local permits or approvals may also be required which are the responsibility of the applicant to obtain.

APPLICATION INSTRUCTIONS

Read **ALL** instructions carefully before filling out the application. Please type or print clearly (Press hard).

PART A — APPLICANT

1. — 6. Fill in as directed.

PART B — PROJECT INFORMATION

7. **APPROPRIATION FOR:** Mark the box and fill in the parentheses with the code(s) that best describes your project. If none of the following codes describes your project, attach a letter of explanation.

CODES

- | | | | | | |
|----|-----|---|----|-----|---|
| a. | 10. | WATERWORKS | d. | 40. | INDUSTRIAL PROCESSING |
| | | 11. Municipal waterworks | | | 41. Food and livestock (agricultural processing) |
| | | 12. Private waterworks-(trailer courts, small housing units, campgrounds/resorts) | | | 42. Paper/pulp |
| | | 13. Commercial and institutional waterworks | | | 43. Mine processing (other than sand & gravel washing) |
| | | 14. Cooperative waterworks | | | 44. Sand & gravel washing |
| | | 15. Fire protection | | | 45. Sewage treatment |
| | | 16. State parks/waysides/highway rest areas | | | 46. Petroleum/chemical processing |
| b. | 20. | POWER GENERATION | e. | 50. | TEMPORARY (One-time project, does not continue from year to year) |
| | | 21. Hydropower | | | 51. Construction (non-dewatering) |
| | | 22. Steam power cooling — once through | | | 52. Construction dewatering |
| | | 23. Steam power cooling — wet tower | | | 53. Pipeline and tank testing |
| | | 24. Steam power cooling — ponds | | | 54. Landscape watering |
| | | 25. Steam power cooling — uses other than cooling, i.e., makeup water. | | | 55. Pollution Confinement |
| c. | 30. | AIR CONDITIONING | f. | 60. | WATER LEVEL MAINTENANCE |
| | | 31. Commercial building | | | 61. Basin/lake level |
| | | 32. Institutions — schools, hospitals | | | 62. Mine dewatering |
| | | 33. Heat pumps | | | 63. Quarry dewatering |
| | | 34. Coolant pumps | | | 64. Sand/gravel pit dewatering |
| | | | g. | 70. | OTHER |
| | | | | | 71. Pollution confinement |
| | | | | | 72. Hatcheries/fisheries |
| | | | | | 73. Snow making |

8. **SOURCE OF WATER:** Mark only one box.

Note: Submit one application for each source of water or system. For example, several wells in the same aquifer manifolded together into **one system** constitute **one source**; however, a stream and a gravel pit are **two** sources of water and would require separate applications. If you are unsure whether your project would require one or more applications, contact a Division of Waters Office.

- a. **WELL** — Submit - 1) a copy of the official **Water Well Record**, 2) test hole logs, and 3) pumping test data, all of which are available from the driller.
- b. **MANIFOLDED WELLS** — Indicate the number of wells to be manifolded into one system. Submit the **SAME** information requested in 8.a. for **EACH** well to be used.

Note: If your well(s) is located in an aquifer for which hydrologic data are limited or unavailable, you may be required to submit data regarding area wells.

c. STREAM, DITCH, OR RIVER — Identify it and submit the following:

- 1) A **contingency plan** describing the alternatives you would utilize if the appropriation is restricted because of low water conditions. If no alternative water supply is available, you must submit a written statement agreeing to withstand the results of no appropriation.

Note: Only temporary appropriations from designated trout streams may be approved.

d. WETLAND, LAKE, OR IMPOUNDMENT — Identify it and submit the following:

- 1) A contingency plan (see 8.c.1.)
- 2) For basins less than 500 acres in size, you must:
 - a) Notify **all** riparian landowners and submit a list of those landowners.
 - b) Obtain a signed statement from as many of those riparian landowners as possible which states their support of the proposed appropriation.
 - c) Provide an accounting of the number of signatures of riparian owners you are unable to obtain.

e. OTHER — Gravel pits, farm ponds, dug pits, etc. Submit information on:

- 1) Physical dimensions (length — width — depth)
- 2) Depth to water from land surface.

Note: Any proposed alteration of the beds or banks of the above mentioned water basins or streams may require a protected (public) waters permit from this Department. This may also include the construction of a pit in a wetland area. Contact a Division of Waters Office for details.

9. **POINT(S) OF TAKING/PUMPING SITE(S):** Indicate the location of your well(s) or pumping site by completing a. — e. Indicate this location to the nearest 10 acre tract by completing a. (ex. NW 1/4 of NE 1/4 of SE 1/4). If you plan to install multiple wells or pumping sites, attach a letter of explanation, including the legal description of each well/pump site, its pumping rate, and method of measurement.

10. **MEANS OF TAKING AND RATE:** If you mark "d.", specify the method to be used and the rate of taking (in gallons per minute or cubic feet per second). If multiple wells or pump sites are to be used, attach a letter of explanation (see #9).

11. **METHOD OF MEASUREMENT:** Fill in as appropriate.

Note: A flow meter must be installed if the pumping rate is to exceed 1500 gpm, unless the applicant can show justification why it cannot practically be used or is not necessary.

12. **MEANS OF CONVEYANCE:** Fill in as appropriate.

13. **LEGAL DESCRIPTION:** Describe the property that will be affected by your project (ex. — T101N, R14W, Section 5, NW 1/4 and N 1/2 SW 1/4). If property other than what you own will be affected, you must attach a copy of the **land agreement** which includes a) the legal description of the property; b) the termination date of the agreement; and c) the signatures of all parties.

14. **MONTHS OF APPROPRIATION:** Fill in as appropriate.

15. **SCHEDULE OF APPROPRIATION:** Mark only one box to indicate your schedule. For temporary projects, the appropriate "year(s)" should be included with the beginning/ending dates.

16. **TOTAL ANNUAL USE:** (In million gallons per year).

Note: Appropriation in excess of 2 million gallons/day or 30 million gallons/month requires the preparation of an Environmental Assessment Worksheet.

17.-19. Complete if applicable. In Question # 17, indicate the quantity of water to be discharged.

20. **ADDITIONAL REQUIREMENTS:** Submit the following as part of your application:

- a. Map or Air Photo.
- b. Minimum **\$75.00** filing fee for each permit application (check payable to the "DEPARTMENT OF NATURAL RESOURCES").
CASH CANNOT BE ACCEPTED.
An additional fee may be required depending upon the scope of your project.
- c. Describe alternative sources of water and methods considered and why the proposed alternative was selected.
- d. Additional documents, letters, or statements required.

PART C

Your application will be **returned** if it is not notarized.

MAILING: Submit the following to the appropriate DNR Regional Office (See map on back page for addresses):

- 1) application (keep yellow copy for your records)
- 2) supporting documents
- 3) filing fee

LOCAL REVIEW: Minnesota Statutes allow local units of government 30 days to review your project and submit comments to the DNR. A copy of your application will be submitted by the DNR to:

- 1) local soil & water conservation district
- 2) watershed district (if applicable)
- 3) city (if applicable)

ADDITIONAL DATA: You may be required to submit specific additional information regarding your project. You will be notified if this information is required.



MINNESOTA
Department of Natural Resources
Division of Waters

**BOX 32, 500 LAFAYETTE RD.
ST. PAUL, MN. 55155-4032
(612) 296-4800**

OFFICE USE ONLY	P. A. No. _____
	Date(s) Served _____
	<input type="checkbox"/> SWCD _____
	<input type="checkbox"/> WSD _____
	<input type="checkbox"/> CITY _____

PERMIT APPLICATION FOR APPROPRIATION OF WATERS OF THE STATE—NON—IRRIGATION

NOTICE OF WARNING: All information provided on this form is considered to be public information in accordance with the Minnesota Data Privacies Act (M.S. 15.1611 to 15.1698).

▶ SEE INSTRUCTIONS... TYPE OR PRINT CLEARLY.

1. Applicant Name		2. Authorized Agent (if applicable)		3. Home Phone No. ()	
4. Mailing Address		5. City, State, Zip Code		6. Work Phone No. ()	
7. APPROPRIATION FOR: ("X" and fill in) a. <input type="checkbox"/> Waterworks() b. <input type="checkbox"/> Power Generation() c. <input type="checkbox"/> Air Conditioning() d. <input type="checkbox"/> Industrial() e. <input type="checkbox"/> Temporary() f. <input type="checkbox"/> Water Level Maintenance() g. <input type="checkbox"/> Other _____		8. Source of Water ("X" one and complete) ▶ Additional information MUST be supplied for each source Refer to instructions (8&9) for requirements. a. <input type="checkbox"/> One well b. <input type="checkbox"/> _____ manifolded wells c. <input type="checkbox"/> Stream, ditch, or river (name) _____ d. <input type="checkbox"/> Wetland, lake, or impoundment (name) _____ e. <input type="checkbox"/> Other _____		9. Point of Taking/Pumping Site a. _____ 1/4 of _____ 1/4 of _____ 1/4 b. Section No. _____ c. Township No. _____ d. Range No. _____ e. County _____	
10. Means of Taking and Rate a. <input type="checkbox"/> _____ stationary pump(s) at _____ gpm each (no.) b. <input type="checkbox"/> _____ portable pump(s) at _____ gpm each (no.) c. <input type="checkbox"/> Gravity Flow at _____ gpm/cfs d. <input type="checkbox"/> Other _____ gpm/cfs (circle one)		11. Method of Measurement a. <input type="checkbox"/> Flow Meter b. <input type="checkbox"/> Timing Device c. <input type="checkbox"/> Estimated Amount d. <input type="checkbox"/> Electric Power Consumption e. <input type="checkbox"/> Other _____		12. Means of Distribution a. <input type="checkbox"/> pipe _____ diam _____ length b. <input type="checkbox"/> tank _____ gal. capacity c. <input type="checkbox"/> channel _____ length d. <input type="checkbox"/> other _____	
14. Months of Appropriation <input type="checkbox"/> JAN <input type="checkbox"/> MAY <input type="checkbox"/> SEP <input type="checkbox"/> FEB <input type="checkbox"/> JUN <input type="checkbox"/> OCT <input type="checkbox"/> MAR <input type="checkbox"/> JUL <input type="checkbox"/> NOV <input type="checkbox"/> APR <input type="checkbox"/> AUG <input type="checkbox"/> DEC		15. Schedule of Appropriation ("X" one and complete) a. <input type="checkbox"/> Continuous _____ hrs./day _____ days/mo. _____ mo./yr. b. <input type="checkbox"/> Seasonal Beginning date _____ c. <input type="checkbox"/> Temporary End date _____		16. Total Annual Use (MGY)	
18. Discharge Point a. _____ 1/4 of _____ 1/4 of _____ 1/4 b. Section No. _____ c. Township No. _____ d. Range No. _____ e. County _____		19. Means of Discharge and Rate a. <input type="checkbox"/> _____ stationary pump(s) at _____ gpm each (no.) b. <input type="checkbox"/> _____ portable pump(s) at _____ gpm each (no.) c. <input type="checkbox"/> Gravity Flow at _____ gpm/cfs d. <input type="checkbox"/> Other _____ gpm/cfs (circle one)		17. Discharge To and Quantity a. <input type="checkbox"/> Stream, Ditch or River _____ () MGY b. <input type="checkbox"/> Wetland, Lake, Impoundment _____ () MGY c. <input type="checkbox"/> Sewer System _____ () MGY d. <input type="checkbox"/> Other _____ () MGY	
20. Additional Requirements: a. <input type="checkbox"/> Map or Air Photo which shows: 1) Point of Taking or Pumping Site 2) Test Hole Location 3) Boundaries of Property Controlled and Area of Use 4) Discharge Point b. <input type="checkbox"/> FILING FEE Payable to "DEPARTMENT OF NATURAL RESOURCES" c. <input type="checkbox"/> Statement of Justification/Alternative Sources d. <input type="checkbox"/> Additional Documents Required					

▶ I hereby make application pursuant to Minnesota Statutes Chapter 105.41 and all supporting rules for a permit to appropriate water in accordance with all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge.

STATE OF _____	21. Applicant or Authorized Signature	22. Date
COUNTY OF _____		

Subscribed and sworn to before me this

_____ day of _____ 19____

My commission expires

Signature of Notary

▶ IMPORTANT: Submit this application and all supporting data to the DNR Regional Office serving you. (See back for addresses)
 APPLICANT: KEEP YELLOW COPY FOR YOUR RECORDS