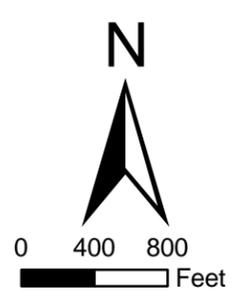


- ### Legend
- Existing Sewer System
  - Proposed Sewer System Improvements
  - Existing Lift Stations
  - Existing Manhole



Source:  
Door County and Bay Lake RPC.  
Projection:  
Wisconsin State Plane  
Map by:  
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PHONE: (920) 380-2800  
FAX: (920) 380-2801  
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**DATE:**  
02/01/2007

# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**Improvements to  
Address Existing  
Deficiencies**

**Figure  
10-1**



### Legend

- Existing Sewer System
- Existing Lift Stations
- Proposed Forcemains
- Proposed Trunk Sewer
- Proposed Lift Stations
- Approximate Drainage Divide
- Proposed Sewer Regional Boundaries
- STUDY BOUNDARY
- Parcels
- Proposed Pipe Number

Future sewer extensions are shown in natural valleys wherever possible in order to provide the maximum service by gravity to the upland areas. In areas where gravity sewer is not possible due to elevation, planned lift stations and force mains are shown to serve the low areas. In addition to topography, the routes shown for trunk sewer facilities are influenced by locations of roadways, parcel lines, and land uses.

It is important to note that the size and location of planned sewers shown on this drawing are schematics and are conceptual in nature. Detailed locations will need to be determined through feasibility studies and design development prior to construction. Typically, trunk facilities will be incorporated into future development, so the actual future locations of these facilities will be dependent on final development layouts.



0 400 800  
 Feet

Source:  
 Door County and Bay Lake RPC.  
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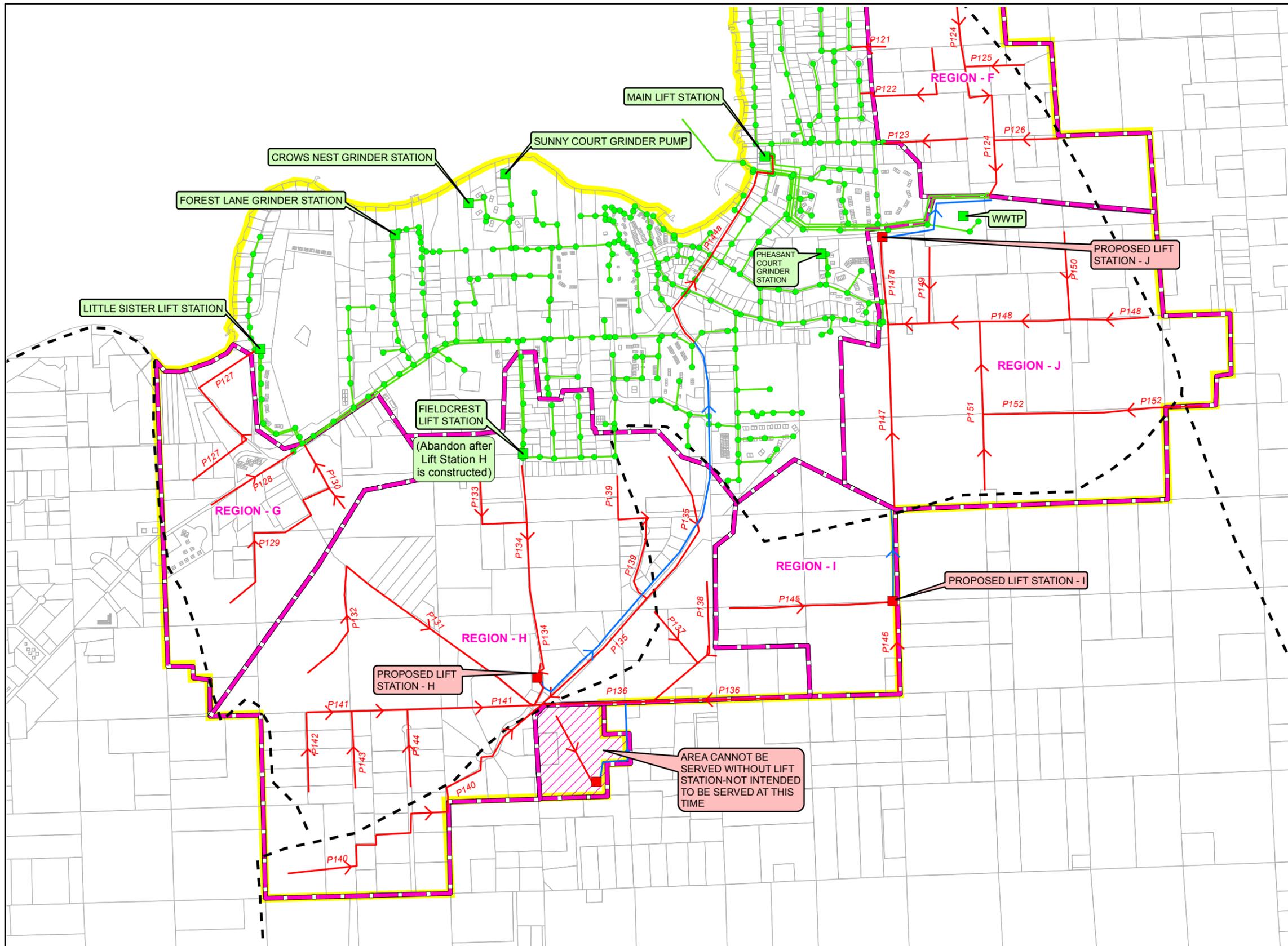
# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**Improvements to  
 Meet Future  
 Needs (North)**

**Figure  
 10-2**

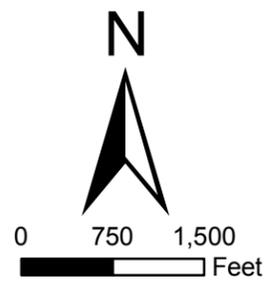
Map Document: (S:\PT\GIS\stb\050200\GIS\SanitaryModel\Fig10-3\_Improvements\_to\_Meet\_Future\_Needs\_South.mxd)  
 4/9/2008 -- 2:19:31 PM



- ### Legend
- Existing Sewer System
  - Existing Lift Stations
  - Proposed Forcemains
  - Proposed Trunk Sewer
  - Proposed Lift Stations
  - - - - - Approximate Drainage Divide
  - Proposed Sewer Regional Boundaries
  - STUDY BOUNDARY
  - Parcels
  - P120 Proposed Pipe Number

Future sewer extensions are shown in natural valleys wherever possible in order to provide the maximum service by gravity to the upland areas. In areas where gravity sewer is not possible due to elevation, planned lift stations and force mains are shown to serve the low areas. In addition to topography, the routes shown for trunk sewer facilities are influenced by locations of roadways, parcel lines, and land uses.

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# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**Improvements to  
 Meet Future  
 Needs (South)**

**Figure  
 10-3**



**Legend**

- Proposed Sewer System Improvements
- Existing Sewer System
- Existing Lift Stations
- Existing Manhole



0 400 800 Feet

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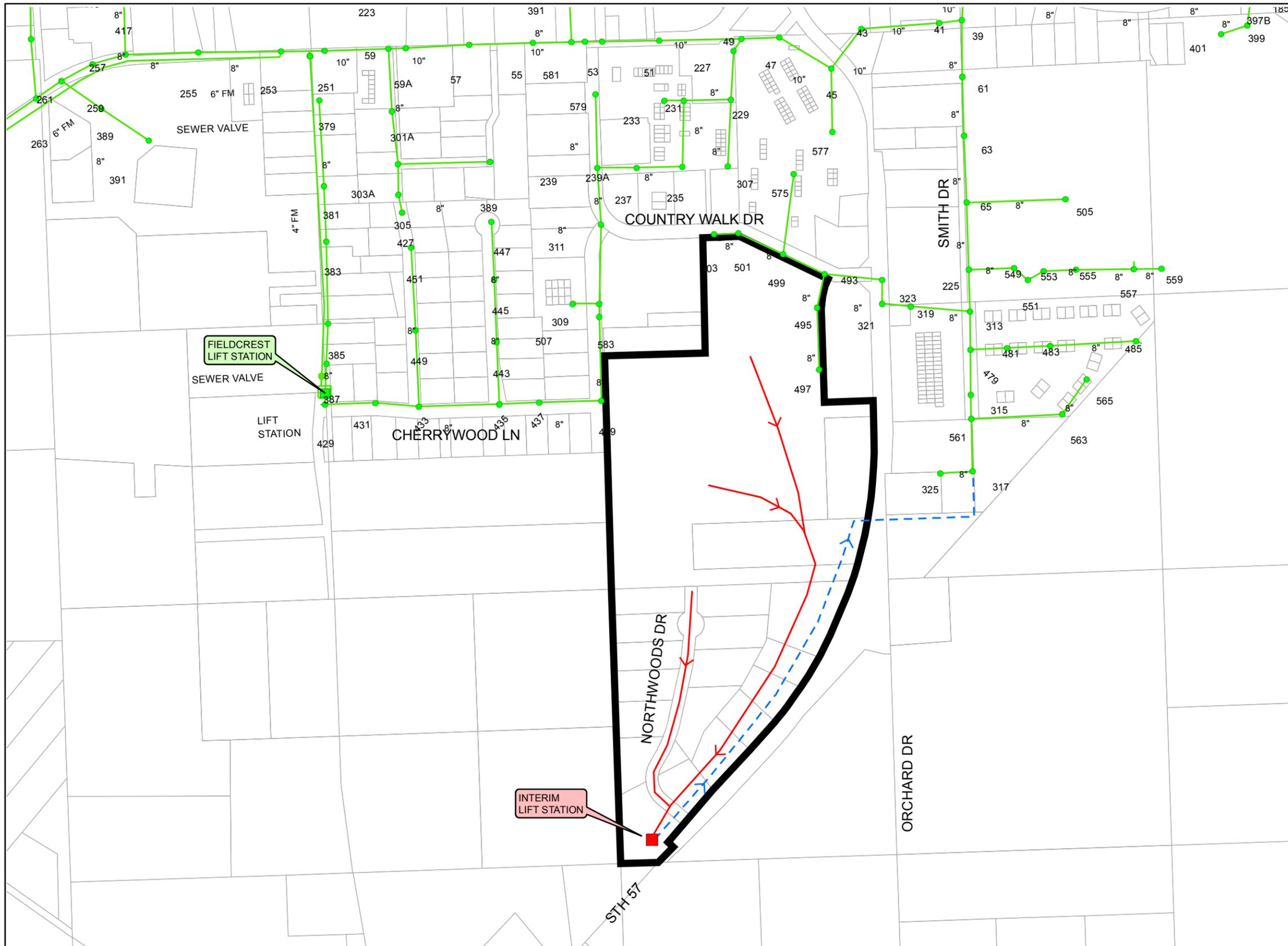
# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**New Trunk Sewer  
 to Serve Region H**

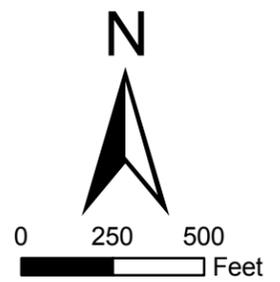
**Figure  
 10-4**

Map Document: (S:\PT\GIS\stb\050200\GIS\SanitaryModel\Fig10-5\_Iterim\_L\_S\_in\_Region\_H.mxd)  
 4/9/2008 -- 2:29:03 PM



**Legend**

-  Approximate Service Boundary
-  Force Main
-  Gravity Sanitary Sewer
-  Interim Lift Station
-  Existing Sewer System
-  Existing Lift Stations
-  Existing Manhole
- 123 Manhole ID
- 8" Pipe Size



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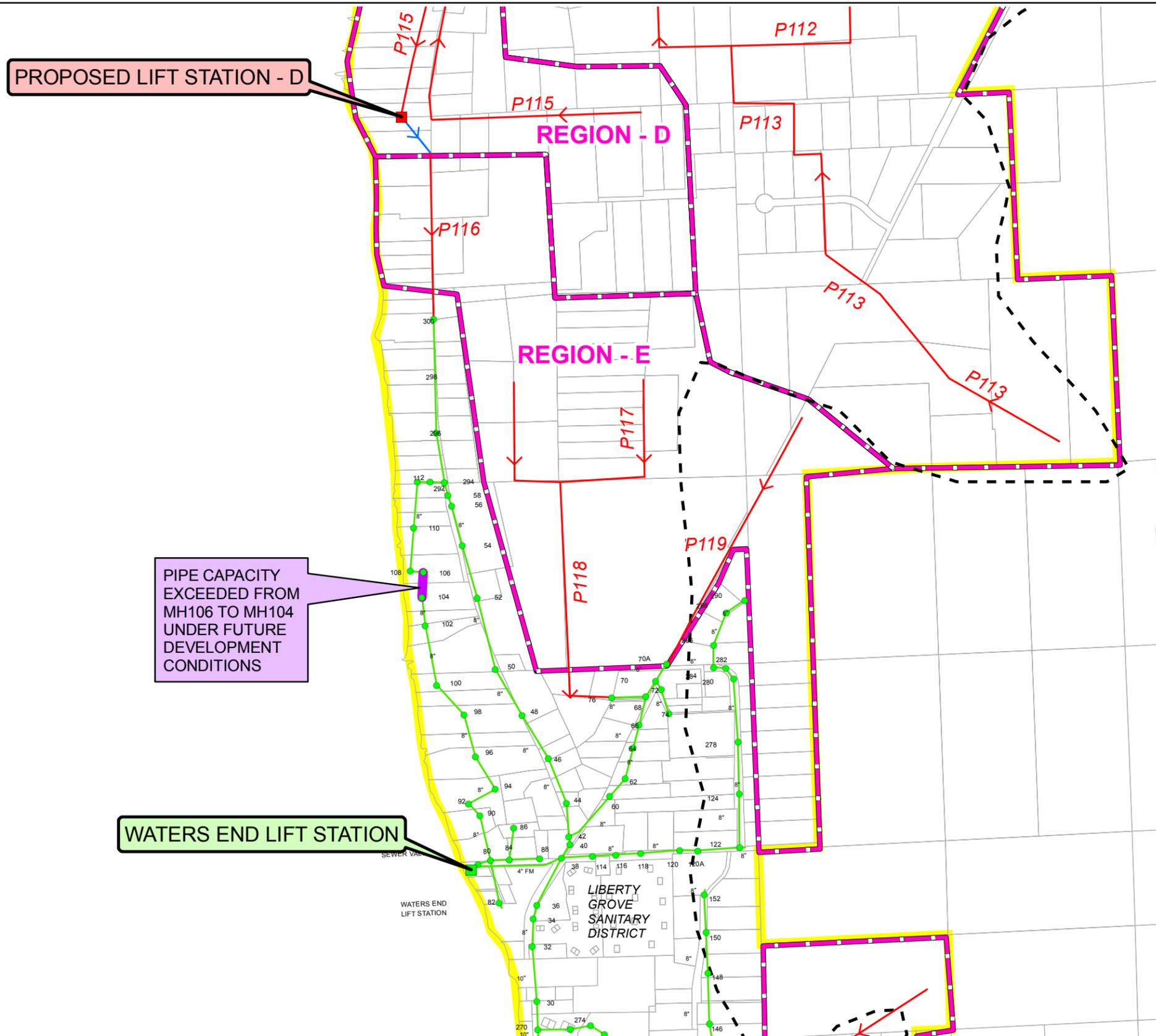
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DATE:  
 02/01/2007

**COMPREHENSIVE UTILITIES PLAN**  
 Village of Sister Bay

**Iterim  
 Lift Station  
 in Region H**

**Figure  
 10-5**

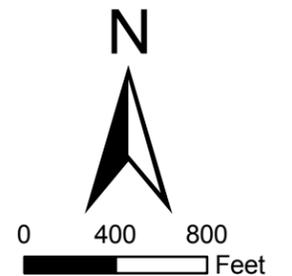


### Legend

- Existing Sewer System
- Existing Lift Stations
- Proposed Forcemains
- Proposed Trunk Sewer
- Proposed Lift Stations
- - - - - Approximate Drainage Divide
- Proposed Sewer Regional Boundaries
- STUDY BOUNDARY
- Pipe Capacity Exceeded (Greater than 100% of Capacity)
- P120 Proposed Pipe Number

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# COMPREHENSIVE UTILITIES PLAN

## Village of Sister Bay

**Capacity Level of  
Pipes Under  
Proposed  
Conditions**

**Figure  
10-6**



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