

NASHAWTUC COUNTRY CLUB

Concord & Sudbury, MA
Environmental Resources Map
June 28, 2018



PREPARED FOR:



1861 Sudbury Road
Concord, MA 01742

INDEX OF FIGURES

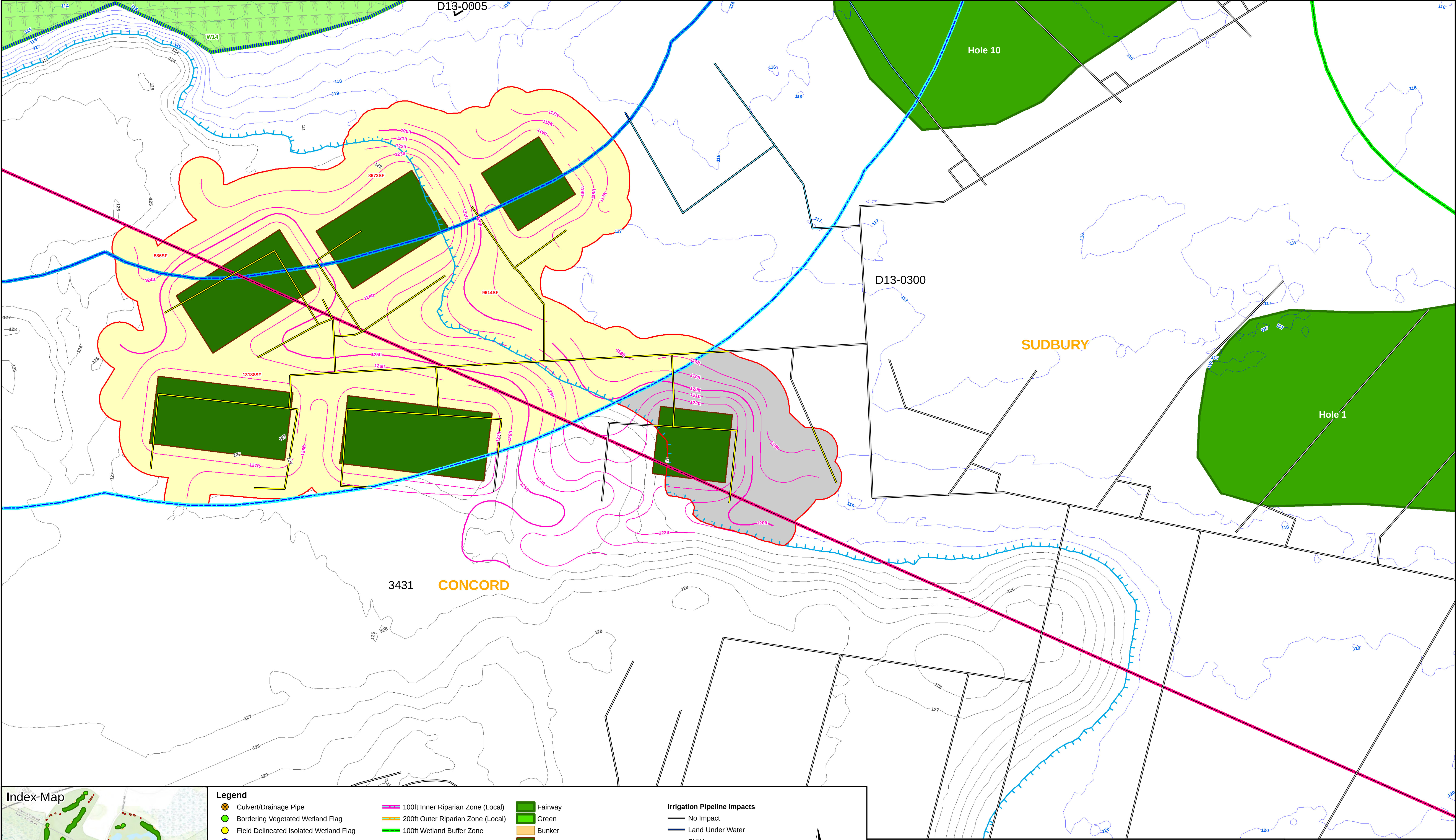
1-18 - HOLE NUMBERS

ISSUED FOR PERMITTING
NOT CONSTRUCTION

PREPARED BY:



33 Waldo Street
Worcester, MA 01608



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
- Field Delineated Wetland Line
- Field Delineated Bordering Vegetated Wetland
- Field Delineated Isolated Wetland
- Field Delineated Waterbody
- 25ft Buffer Zone (Concord)
- 50ft Buffer Zone (Concord)
- 100ft Inner Riparian Zone (WPA)
- 200ft Outer Riparian Zone (WPA)

- 100ft Inner Riparian Zone (Local)
- 200ft Outer Riparian Zone (Local)
- 100ft Wetland Buffer Zone
- Edge of Bank
- MAHW Line Per MWPA Regulations
- Existing Pond
- Pond Extension Area
- Roads
- Town Boundary
- Parcel with ID

- Fairway
- Green
- Bunker
- Tee Area
- Grading Contours
- Elevation Within Floodplain (Up to 121ft)
- Elevation Above Floodplain (Above 121ft)
- Work Within Floodplain
- Work Within Resource Areas

Irrigation Pipeline Impacts

- No Impact
- Land Under Water
- BVW
- 100ft Inner Riparian Zone
- 200ft Outer Riparian Zone
- 25ft Local Buffer (Concord)
- 50ft Local Buffer (Concord)
- 100ft Wetland Buffer
- Bore (No BVW/LUW Impact)
- Within Grading Area

1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

Environmental Resources

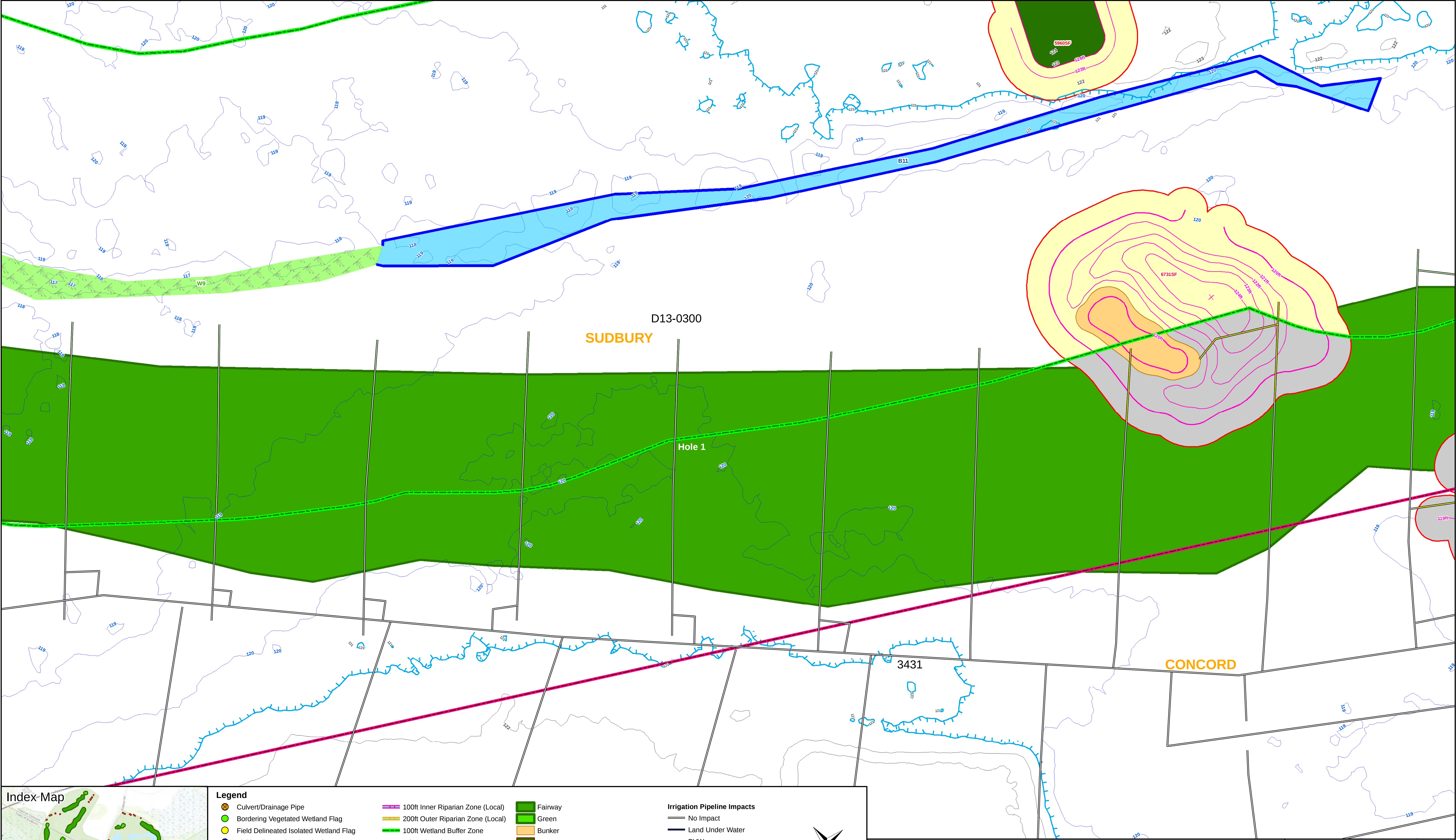
Floodplain & Elevation Map

Concord & Sudbury, MA

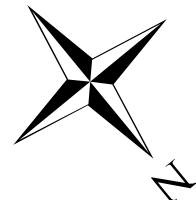
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Hole 1

6/28/2018



- Legend**
- | | | | |
|--|-----------------------------------|---|-----------------------------|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway | No Impact |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green | Land Under Water |
| Field Delineated Isolated Wetland Flag | 100ft Wetland Buffer Zone | Bunker | BVW |
| Field Delineated RF/Bank Flag | Edge of Bank | Tee Area | 100ft Inner Riparian Zone |
| Field Delineated Wetland Line | MAHW Line Per MWPA Regulations | Grading Contours | 200ft Outer Riparian Zone |
| Field Delineated Bordering Vegetated Wetland | 121-ft Base Flood Elevation | Elevation Within Floodplain (Up to 121ft) | 25ft Local Buffer (Concord) |
| Field Delineated Isolated Wetland | Existing Pond | Elevation Above Floodplain (Above 121ft) | 50ft Local Buffer (Concord) |
| Field Delineated Waterbody | Pond Extension Area | Work Within Floodplain | 100ft Wetland Buffer |
| 25ft Buffer Zone (Concord) | Roads | Work Within Resource Areas | Bore (No BVW/LUW Impact) |
| 50ft Buffer Zone (Concord) | Town Boundary | | Within Grading Area |
| 100ft Inner Riparian Zone (WPA) | Parcel with ID | | |
| 200ft Outer Riparian Zone (WPA) | | | |



Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

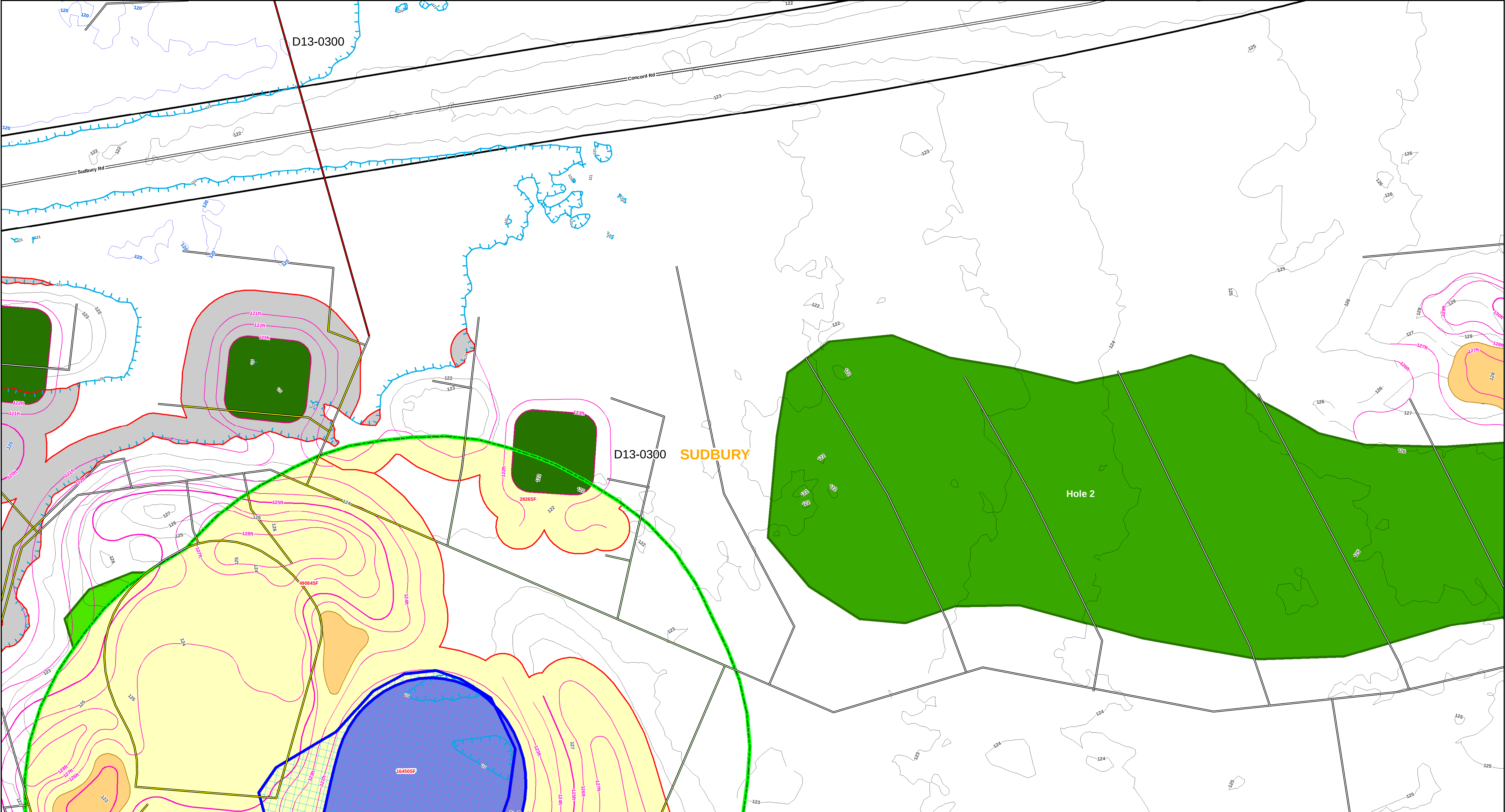
NASHAWTUC COUNTRY CLUB
Environmental Resources
Floodplain & Elevation Map
Concord & Sudbury, MA



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Hole 1



Legend

- Culvert/Drainage Pipe - Bordering Vegetated Wetland Flag - Field Delineated Isolated Wetland Flag - Field Delineated RF/Bank Flag - Field Delineated Wetland Line - Field Delineated Bordering Vegetated Wetland - Field Delineated Isolated Wetland - Field Delineated Waterbody 25ft Buffer Zone (Concord) 50ft Buffer Zone (Concord) 100ft Inner Riparian Zone (WPA) 200ft Outer Riparian Zone (WPA)	100ft Inner Riparian Zone (Local) 200ft Outer Riparian Zone (Local) 100ft Wetland Buffer Zone - Edge of Bank - MAHW Line Per MWPA Regulations 121-ft Base Flood Elevation - Existing Pond - Pond Extension Area - Roads - Town Boundary - Parcel with ID	- Fairway - Green - Bunker - Tee Area - Grading Contours - Elevation Within Floodplain (Up to 121ft) - Elevation Above Floodplain (Above 121ft) - Work Within Floodplain - Work Within Resource Areas	Irrigation Pipeline Impacts - No Impact - Land Under Water - BVW 100ft Inner Riparian Zone 200ft Outer Riparian Zone 25ft Local Buffer (Concord) 50ft Local Buffer (Concord) 100ft Wetland Buffer - Bore (No BVW/LUW Impact) - Within Grading Area
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1 inch = 18 feet

0 30 60 Feet

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NASHAWTUC COUNTRY CLUB

Environmental Resources

Floodplain & Elevation Map

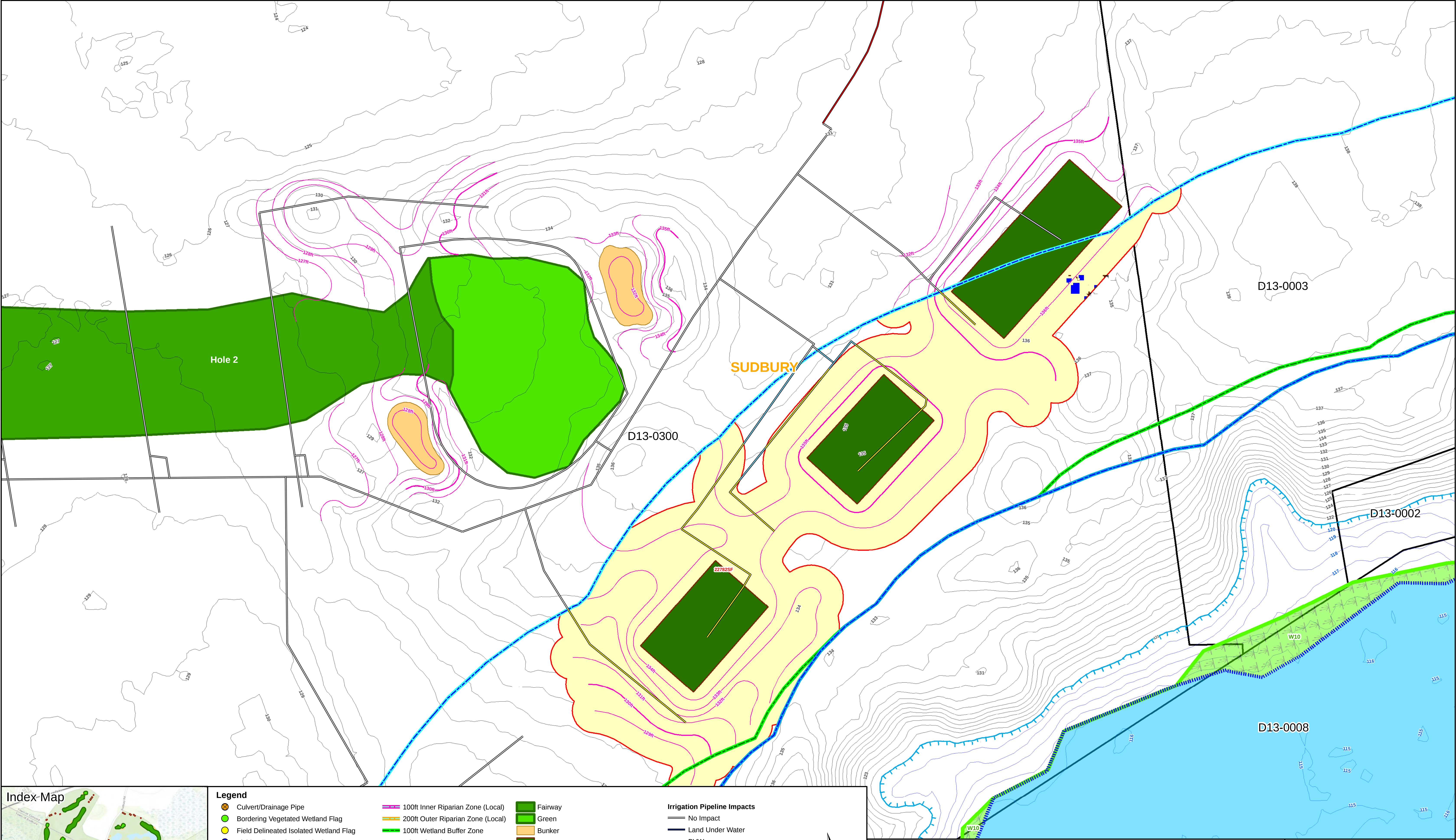
Concord & Sudbury, MA



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Hole 2

6/28/2018



- Legend**
- | | | |
|--|-----------------------------------|---|
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| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green |
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NASHAWTUC COUNTRY CLUB

Environmental Resources

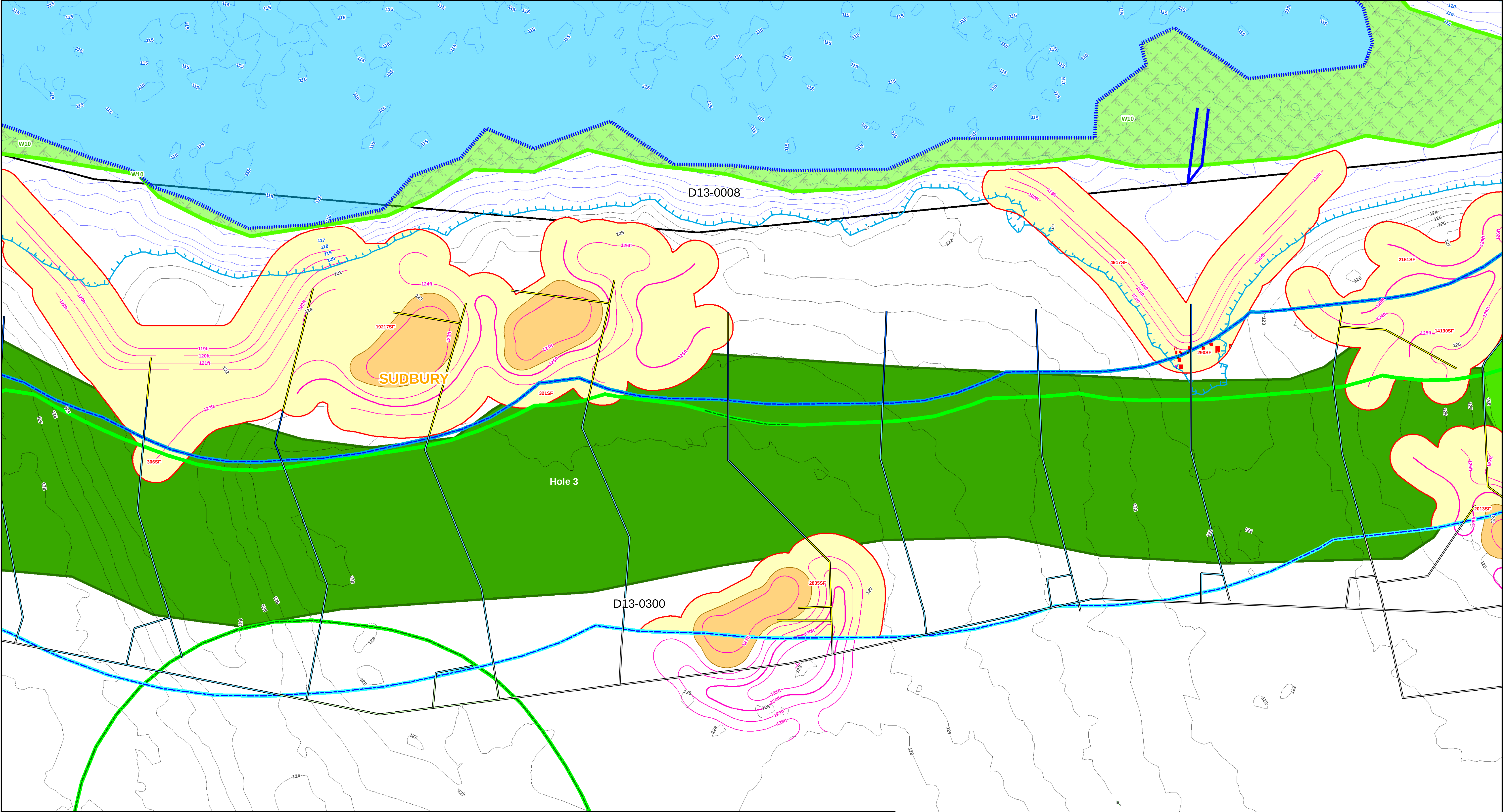
Floodplain & Elevation Map

Sudbury, MA

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Hole 2





Legend

- | | | | |
|---|--|---|--|
| <ul style="list-style-type: none">Culvert/Drainage PipeBordering Vegetated Wetland FlagField Delineated Isolated Wetland FlagField Delineated RF/Bank FlagField Delineated Wetland LineField Delineated Bordering Vegetated WetlandField Delineated Isolated WetlandField Delineated Waterbody25ft Buffer Zone (Concord)50ft Buffer Zone (Concord)100ft Inner Riparian Zone (WPA)200ft Outer Riparian Zone (WPA) | <ul style="list-style-type: none">100ft Inner Riparian Zone (Local)200ft Outer Riparian Zone (Local)100ft Wetland Buffer ZoneEdge of BankMAHW Line Per MWPA Regulations121-ft Base Flood ElevationExisting PondPond Extension AreaRoadsTown BoundaryParcel with ID | <ul style="list-style-type: none">FairwayGreenBunkerTee AreaGrading ContoursElevation Within Floodplain (Up to 121ft)Elevation Above Floodplain (Above 121ft)Work Within FloodplainWork Within Resource Areas | <ul style="list-style-type: none">Irrigation Pipeline ImpactsNo ImpactLand Under WaterBVW100ft Inner Riparian Zone200ft Outer Riparian Zone25ft Local Buffer (Concord)50ft Local Buffer (Concord)100ft Wetland BufferBore (No BVW/LUW Impact)Within Grading Area |
|---|--|---|--|

1 inch = 18 feet
0 30 60
Feet



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Basemap & Environmental Data
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ESRI

NASHAWTUC COUNTRY CLUB

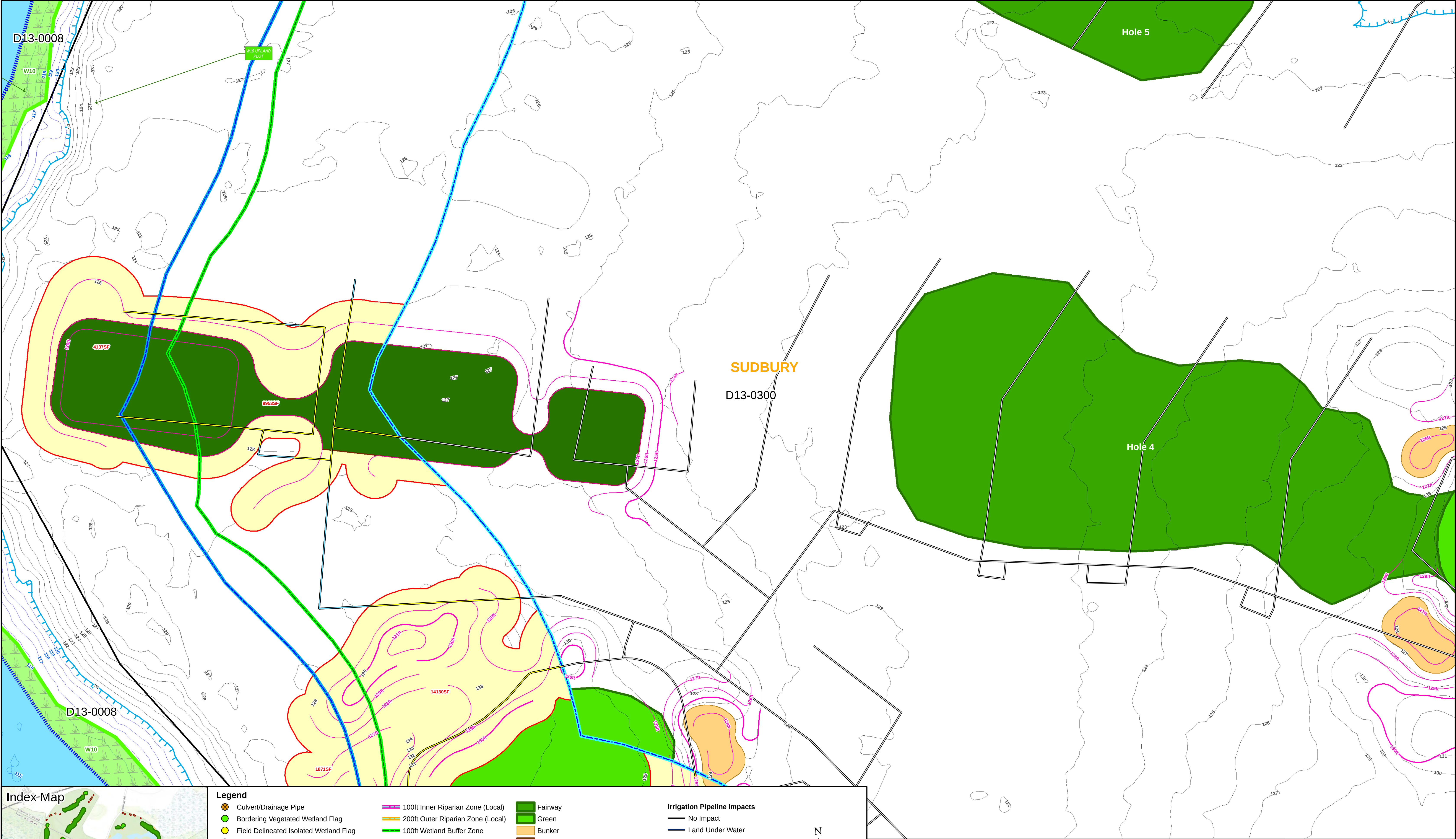
**Environmental Resources
Floodplain & Elevation Map**

Sudbury, MA

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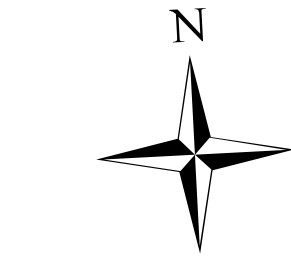


Hole 3

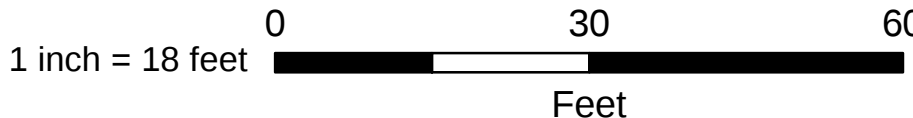


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- Irrigation Pipeline Impacts**
- | | |
|-----------------------------|---------------------------|
| No Impact | Land Under Water |
| BVW | 100ft Inner Riparian Zone |
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| Bore (No BVW/LUW Impact) | Within Grading Area |



Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI



NASHAWTUC COUNTRY CLUB

**Environmental Resources
Floodplain & Elevation Map**

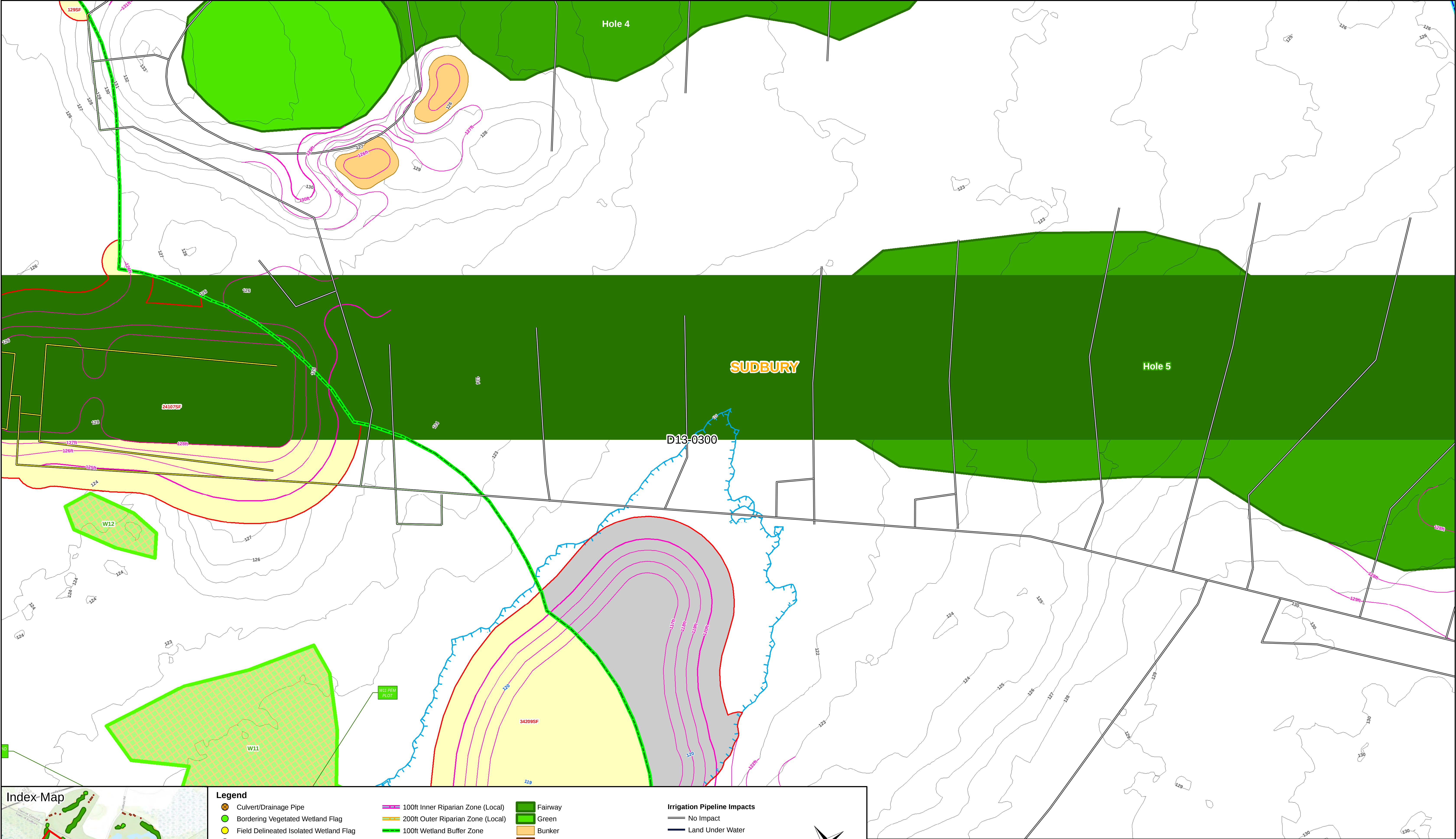
Sudbury, MA

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Hole 4

6/28/2018



Legend

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1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

**Environmental Resources
Floodplain & Elevation Map**

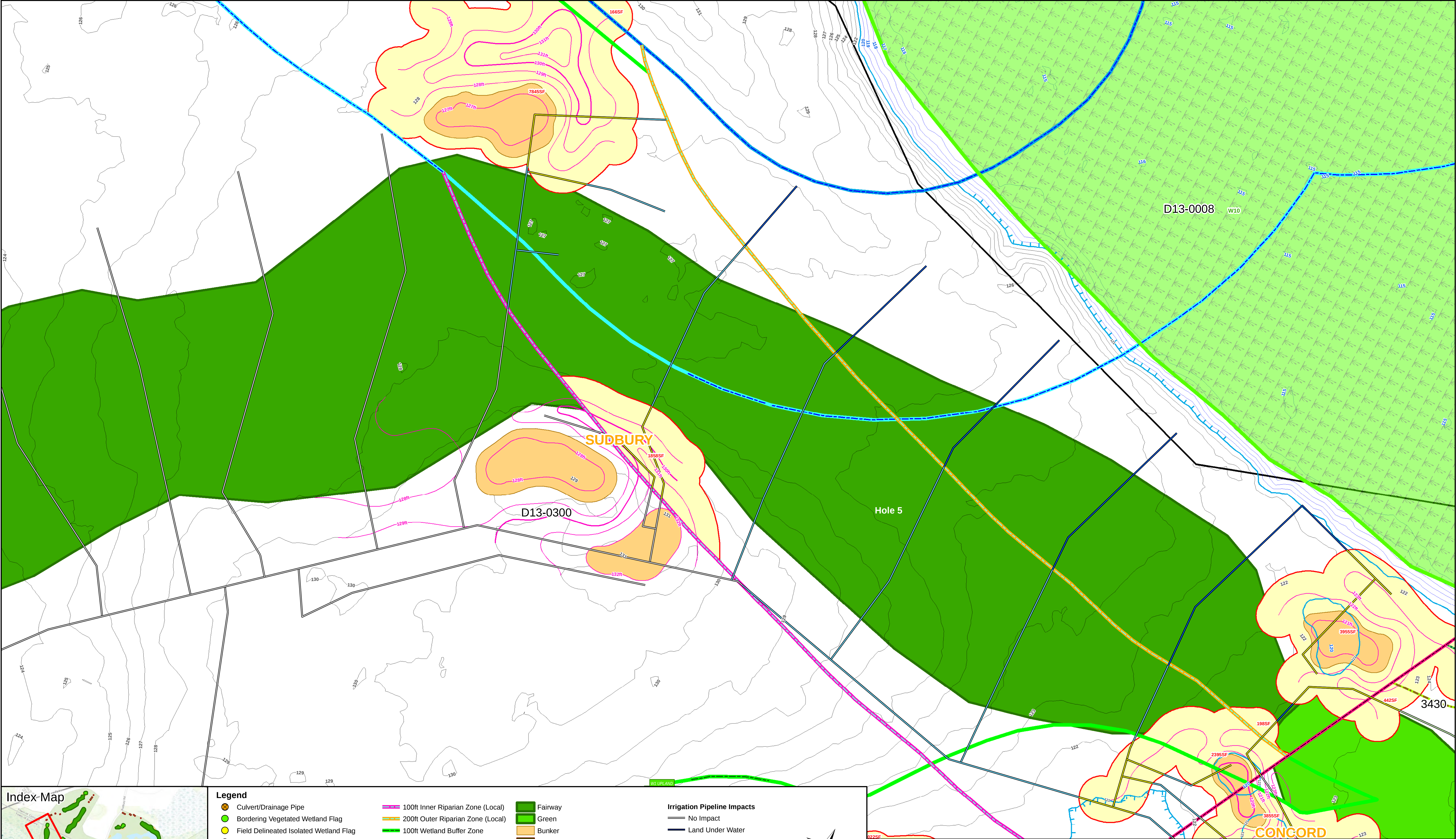
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Hole 5

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Legend

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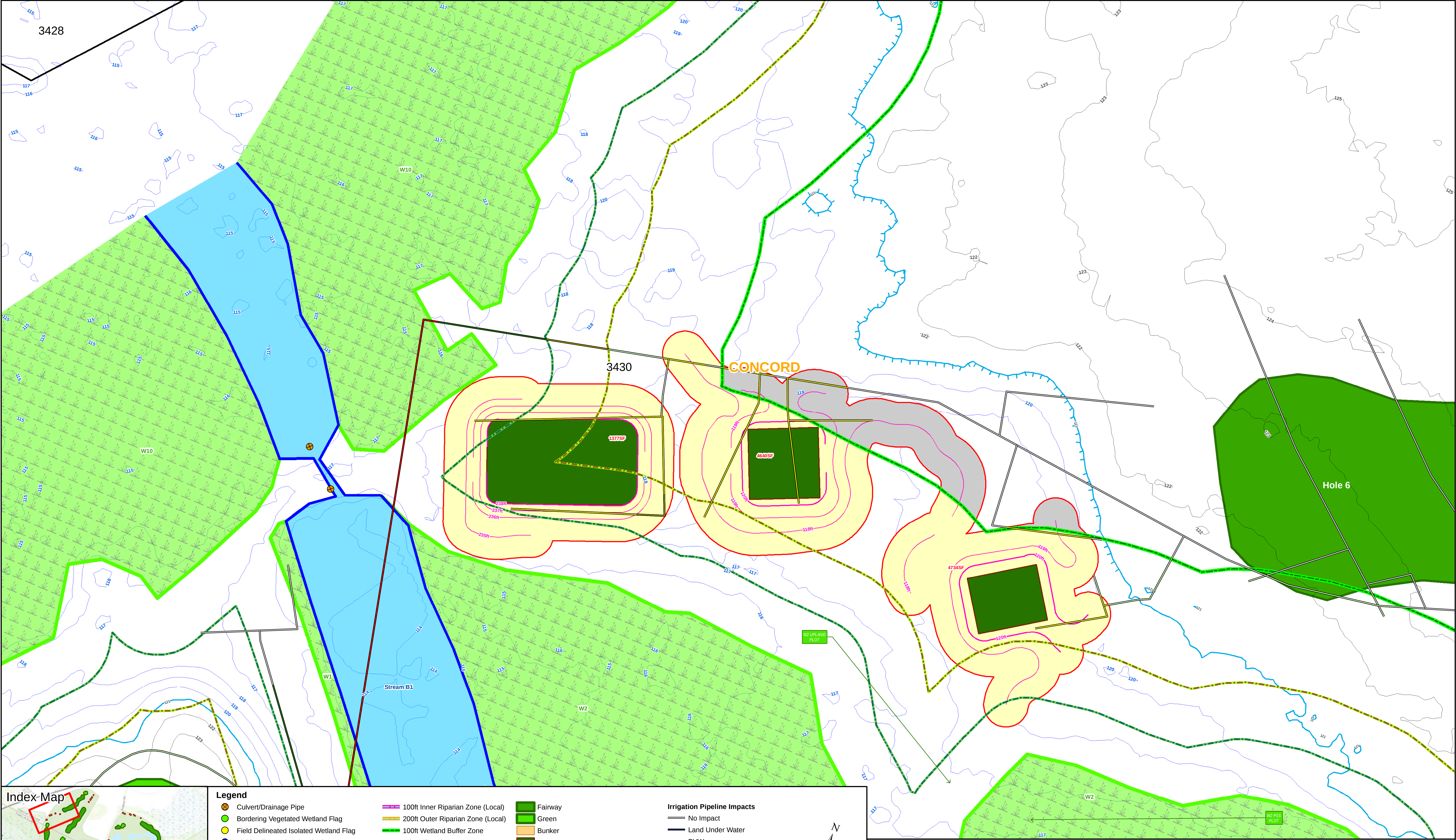
1 inch = 18 feet

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Source: MassGIS
Base map & Environmental Data
Aerial & Topo Imagery
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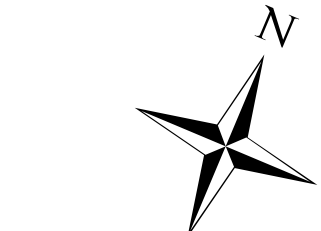
NASHAWTUC COUNTRY CLUB
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Concord & Sudbury, MA





Legend

- | | | | |
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|---|--|---|---|



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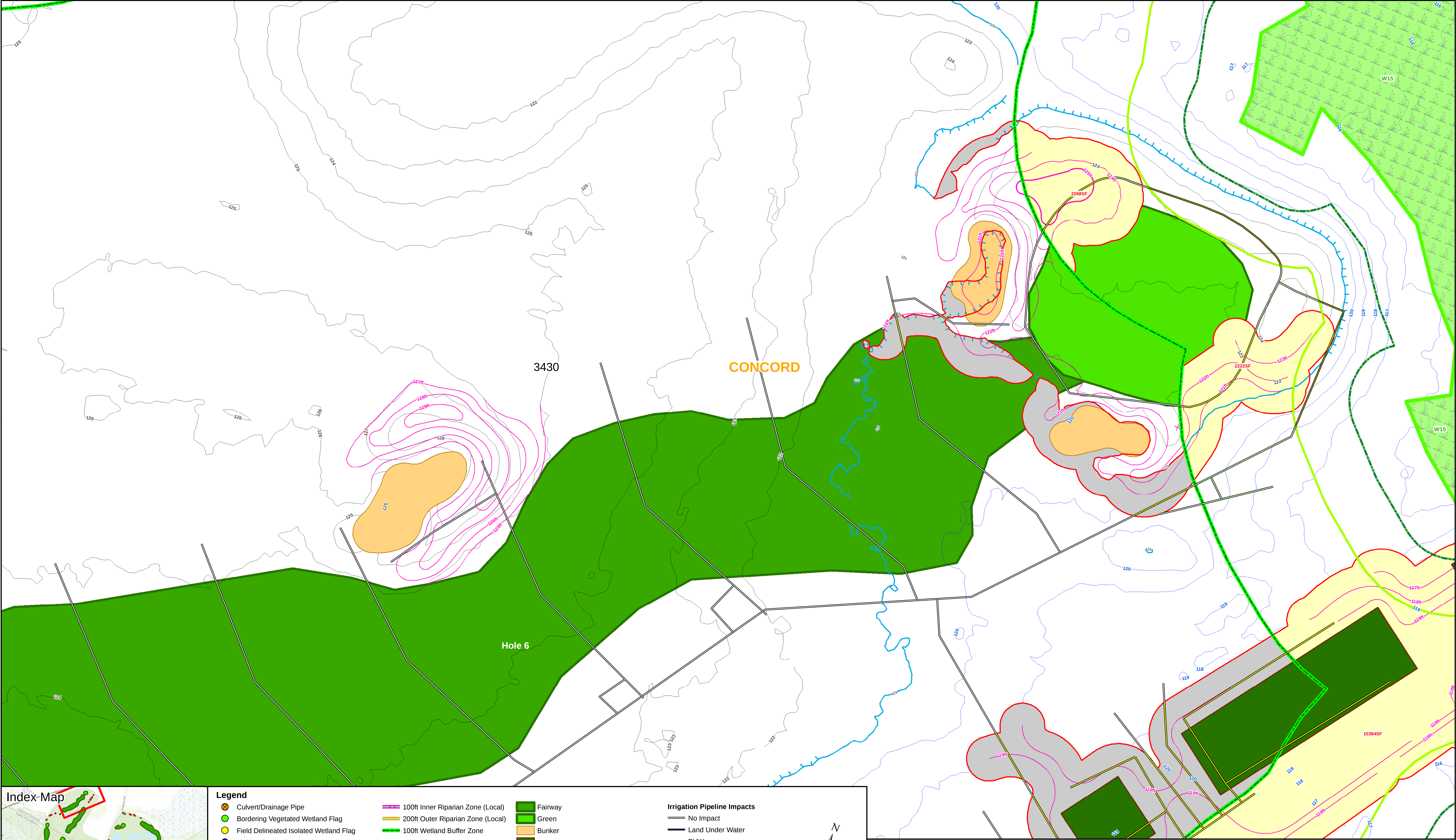
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Concord & Sudbury, MA



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Hole 6



Legend

- Culvert/Drainage Pipe
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1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
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Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

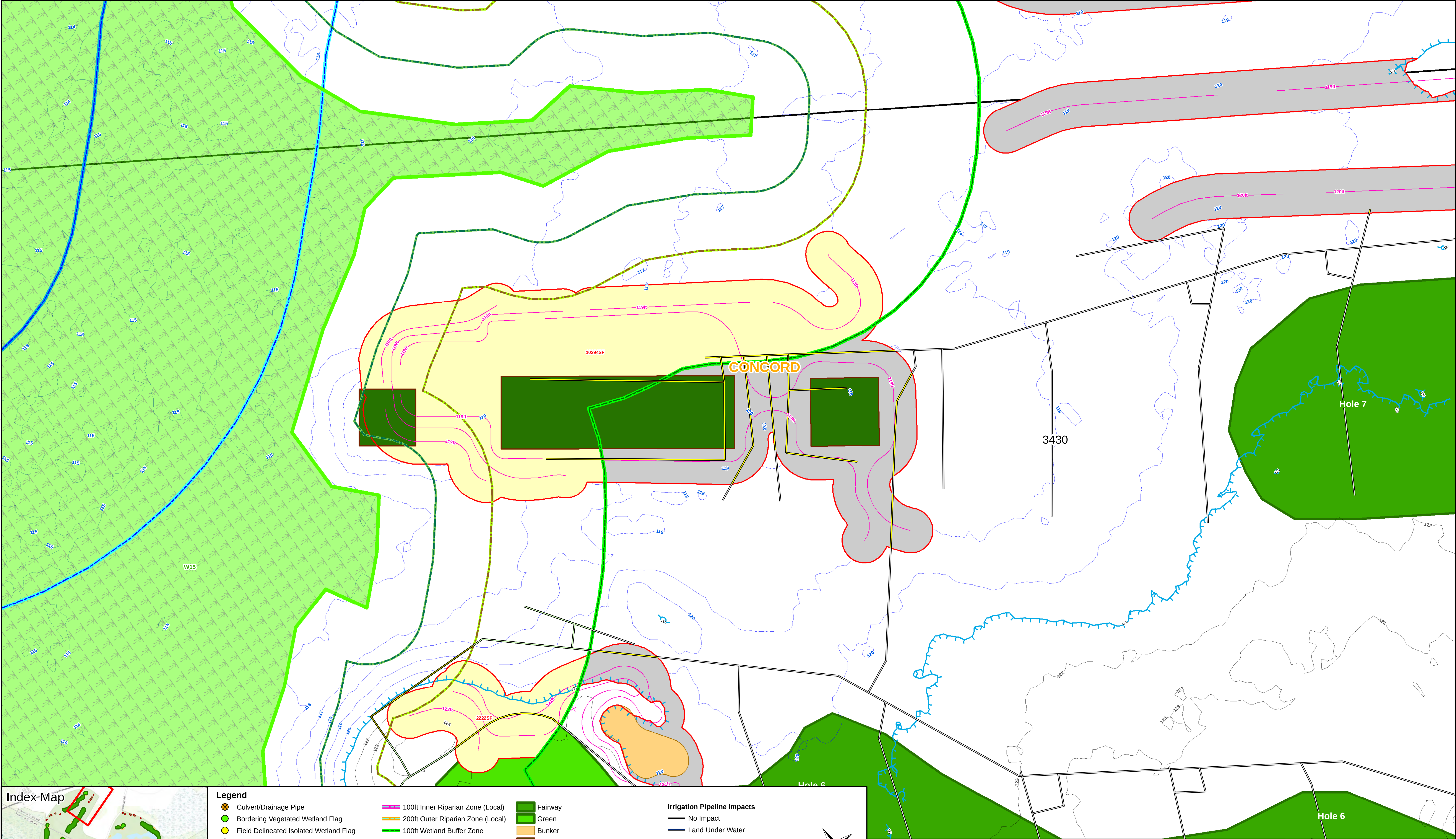
Environmental Resources

Floodplain & Elevation Map

Concord, MA

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Hole 6



Legend

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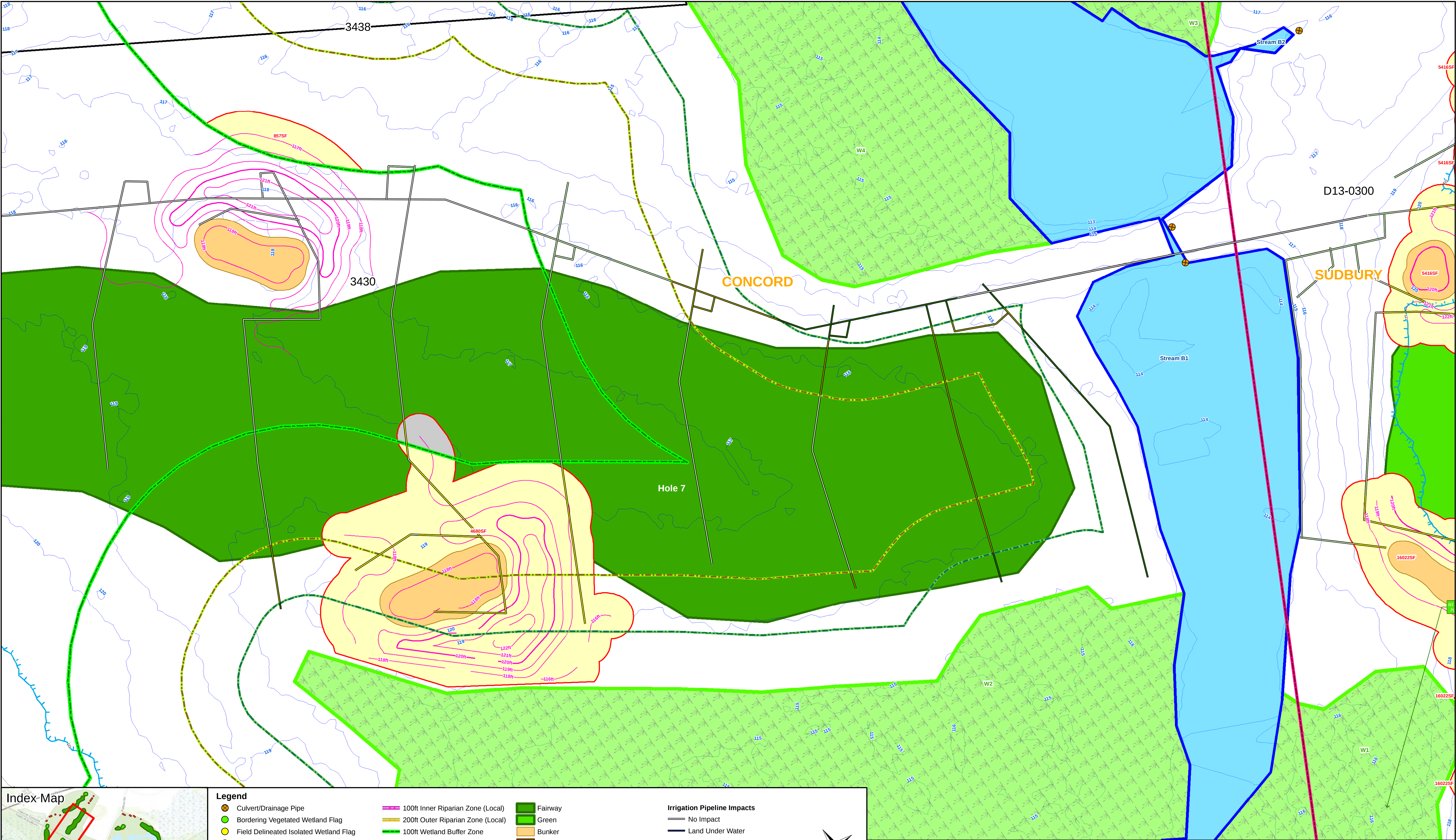
**Environmental Resources
Floodplain & Elevation Map**

Concord, MA

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Hole 7



- Legend**
- | | | | |
|--|-----------------------------------|---|---|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway | Irrigation Pipeline Impacts
No Impact
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100ft Wetland Buffer
Bore (No BVW/LUW Impact)
Within Grading Area |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green | |
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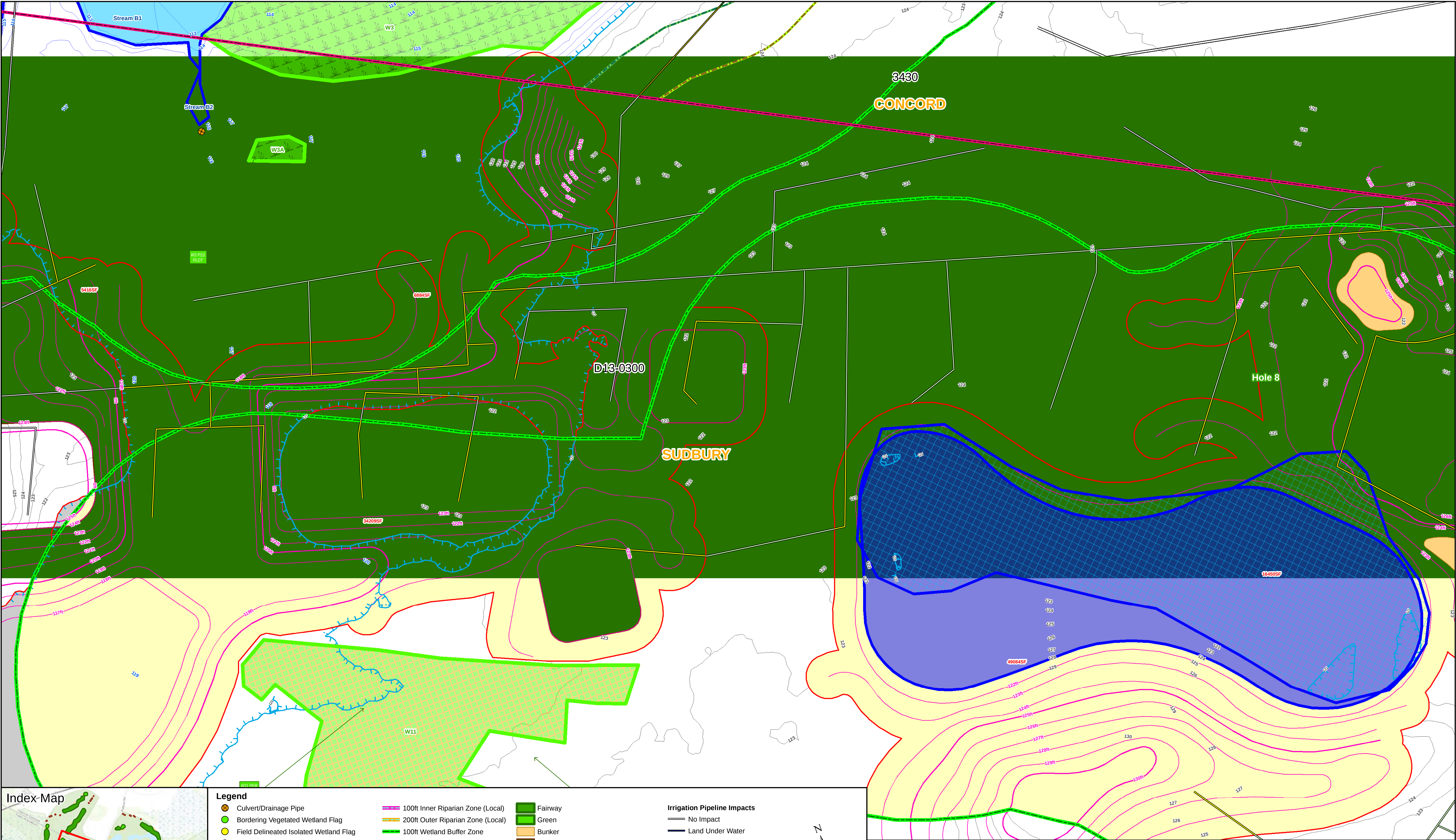
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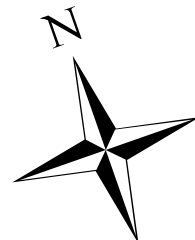
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Hole 7





- Legend**
- Culvert/Drainage Pipe
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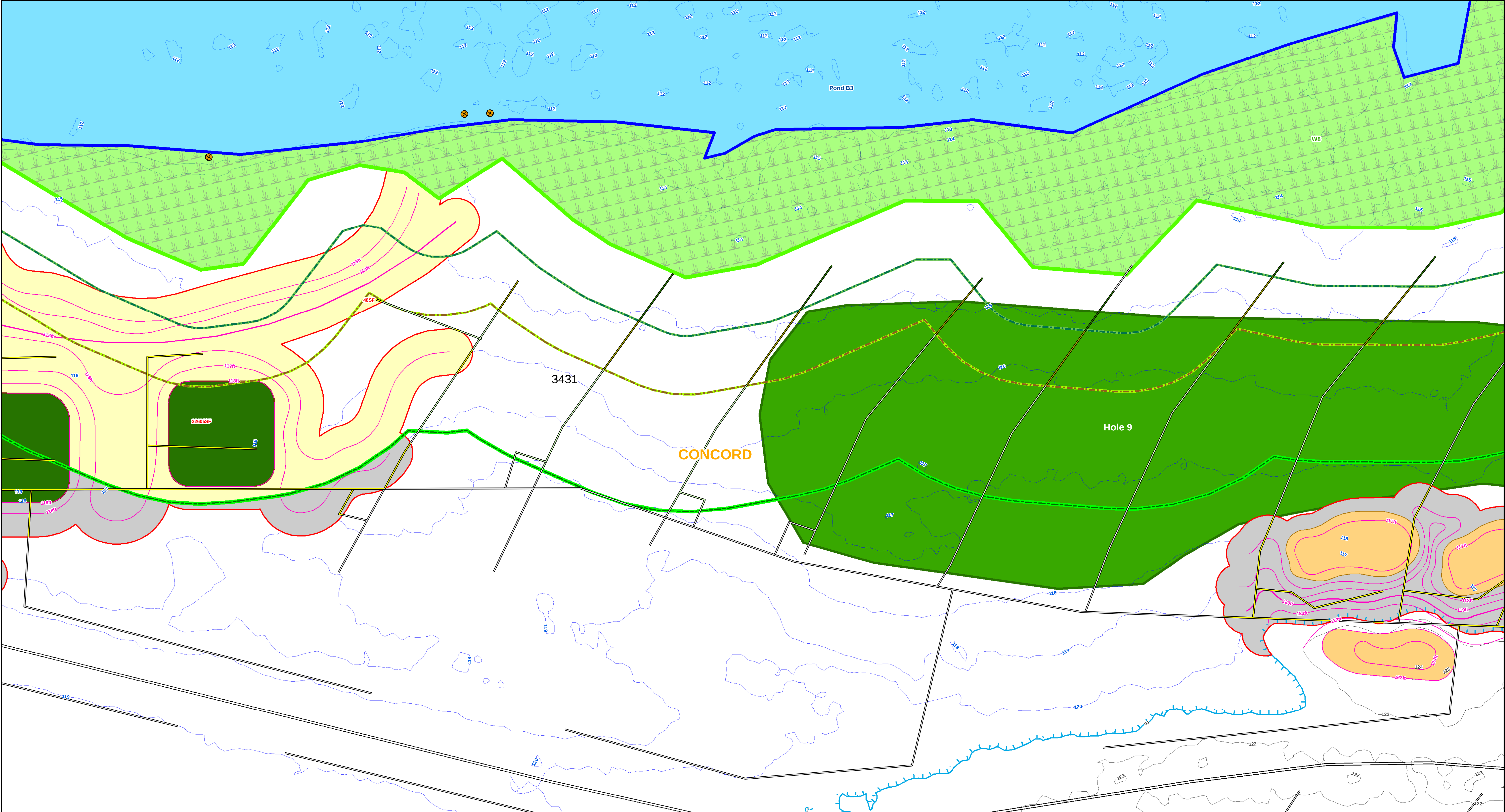
Environmental Resources Floodplain & Elevation Map Concord & Sudbury, MA

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Hole 8





Legend

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- Bore (No BVW/LUW Impact)
- Within Grading Area

1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

Environmental Resources

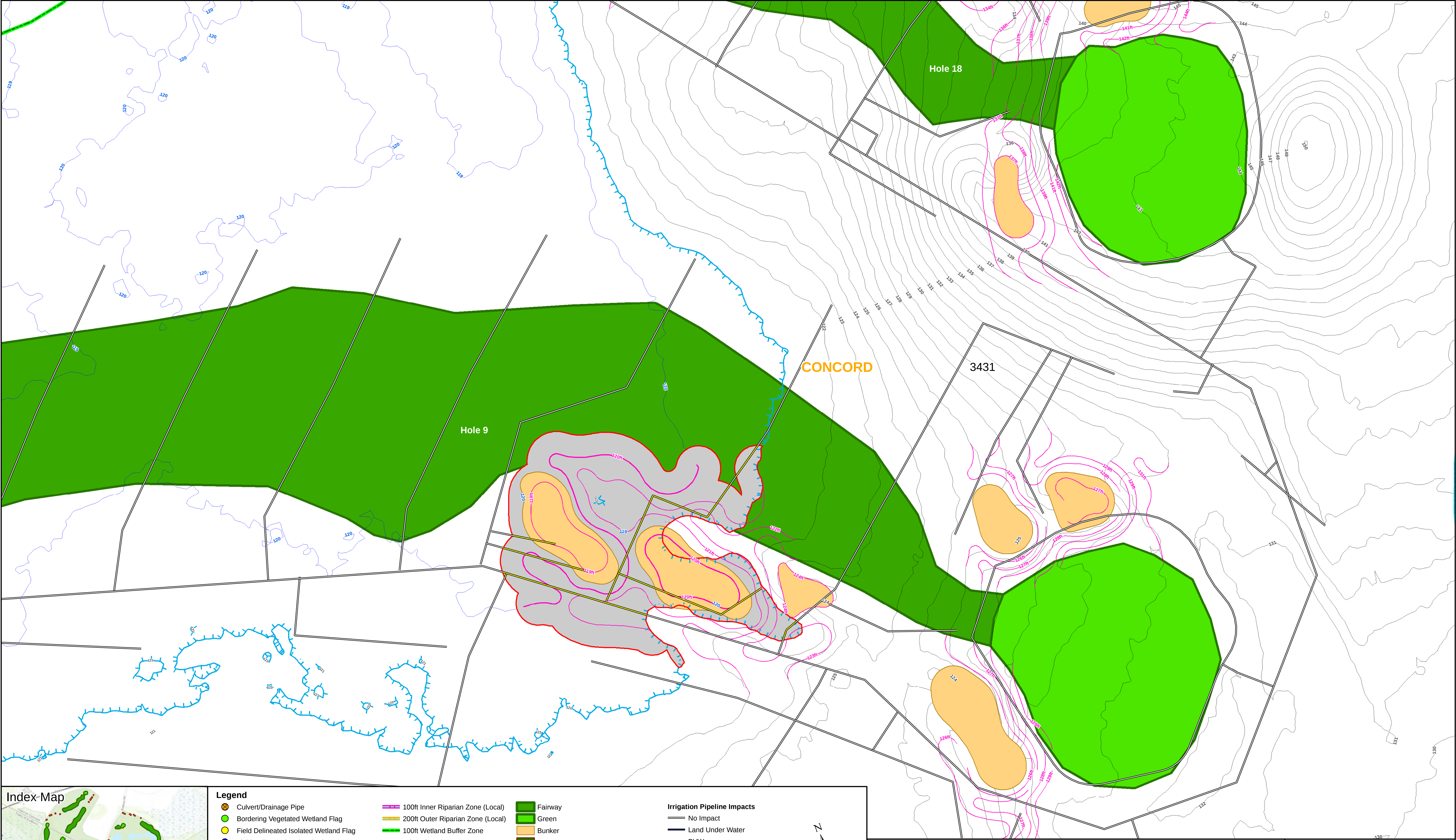
Floodplain & Elevation Map

Concord & Sudbury, MA

6/28/2018

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Hole 9



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
- Field Delineated Wetland Line
- Field Delineated Bordering Vegetated Wetland
- Field Delineated Isolated Wetland
- Field Delineated Waterbody
- 25ft Buffer Zone (Concord)
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- 100ft Inner Riparian Zone (WPA)
- 200ft Outer Riparian Zone (WPA)
- 100ft Inner Riparian Zone (Local)
- 200ft Outer Riparian Zone (Local)
- 100ft Wetland Buffer Zone
- Edge of Bank
- MAHW Line Per MWPA Regulations
- 121-ft Base Flood Elevation
- Existing Pond
- Pond Extension Area
- Roads
- Town Boundary
- Parcel with ID
- Fairway
- Green
- Bunker
- Tee Area
- Grading Contours
- Elevation Within Floodplain (Up to 121ft)
- Elevation Above Floodplain (Above 121ft)
- Work Within Floodplain
- Work Within Resource Areas

Irrigation Pipeline Impacts

- No Impact
- Land Under Water
- BVW
- 100ft Inner Riparian Zone
- 200ft Outer Riparian Zone
- 25ft Local Buffer (Concord)
- 50ft Local Buffer (Concord)
- 100ft Wetland Buffer
- Bore (No BVW/LUW Impact)
- Within Grading Area

Source:
MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

1 inch = 18 feet

0 30 60 Feet

NASHAWTUC COUNTRY CLUB

Environmental Resources

Floodplain & Elevation Map

Concord, MA

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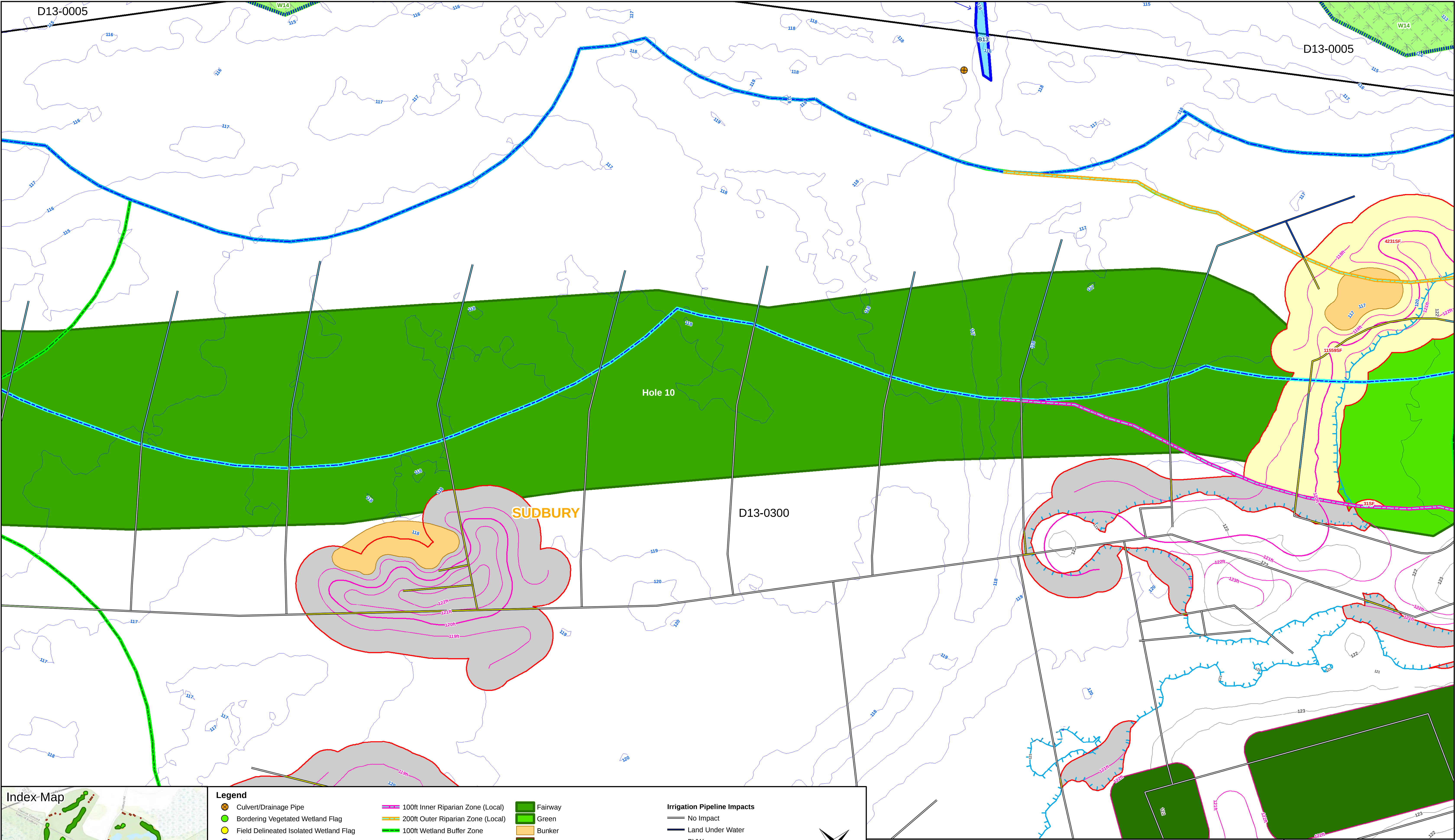
Hole 9



NASHAWTUC COUNTRY CLUB



BSC GROUP



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
- Field Delineated Wetland Line
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Irrigation Pipeline Impacts

- No Impact
- Land Under Water
- BVW
- 100ft Inner Riparian Zone
- 200ft Outer Riparian Zone
- 25ft Local Buffer (Concord)
- 50ft Local Buffer (Concord)
- 100ft Wetland Buffer
- Bore (No BVW/LUW Impact)
- Within Grading Area

Source:
-MassGIS
-Basemap & Environmental Data
-Aerial & Topo Imagery
-ESRI

1 inch = 18 feet

0 30 60 Feet

NASHAWTUC COUNTRY CLUB

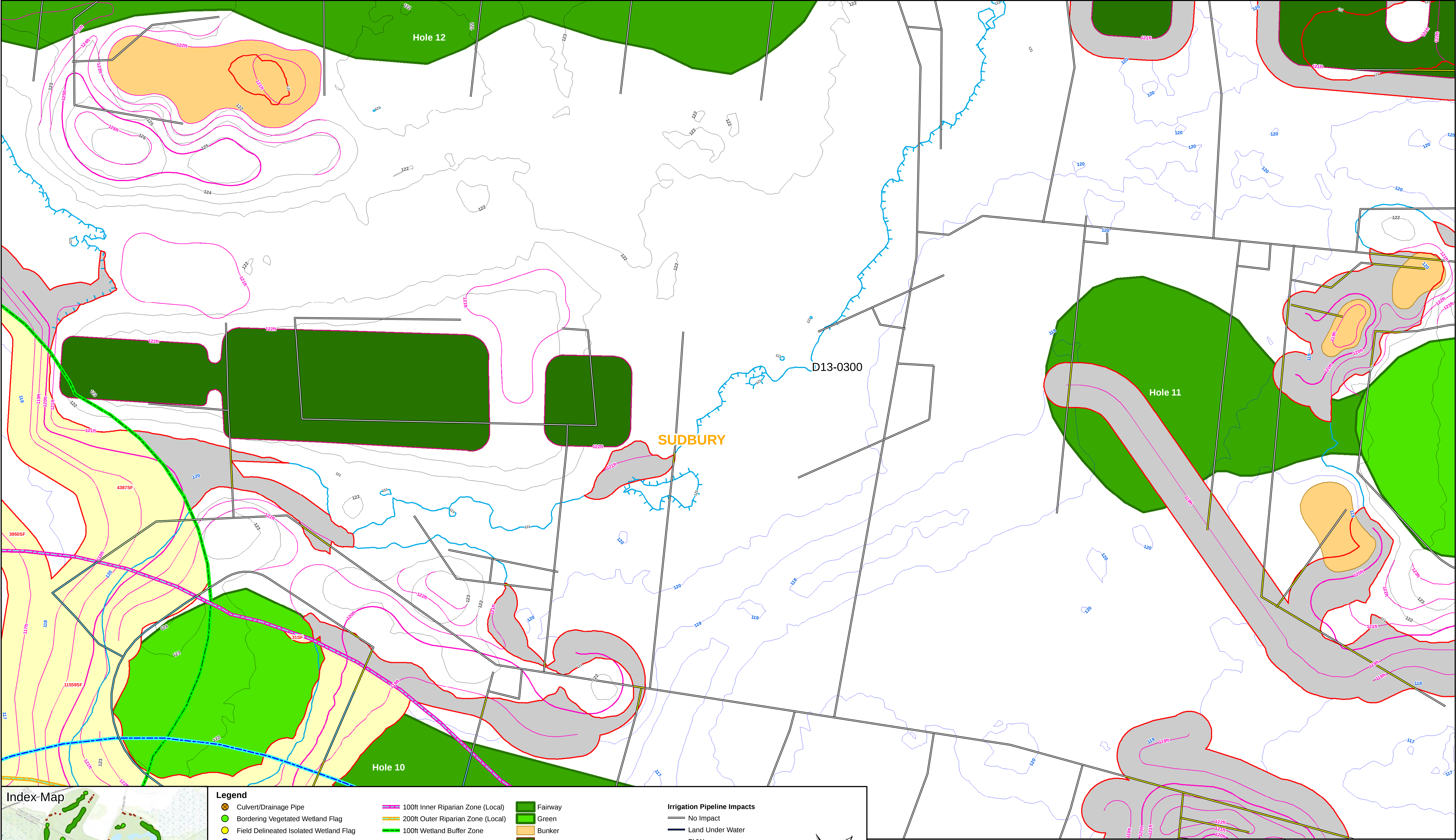
Environmental Resources

Floodplain & Elevation Map

Sudbury, MA

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Hole 10



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
- Field Delineated Wetland Line
- Field Delineated Bordering Vegetated Wetland
- Field Delineated Isolated Wetland
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- Elevation Within Floodplain (Up to 121ft)
- Elevation Above Floodplain (Above 121ft)
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- Work Within Resource Areas

Irrigation Pipeline Impacts

- No Impact
- Land Under Water
- BVW
- 100ft Inner Riparian Zone
- 200ft Outer Riparian Zone
- 25ft Local Buffer (Concord)
- 50ft Local Buffer (Concord)
- 100ft Wetland Buffer
- Bore (No BVW/LUW Impact)
- Within Grading Area

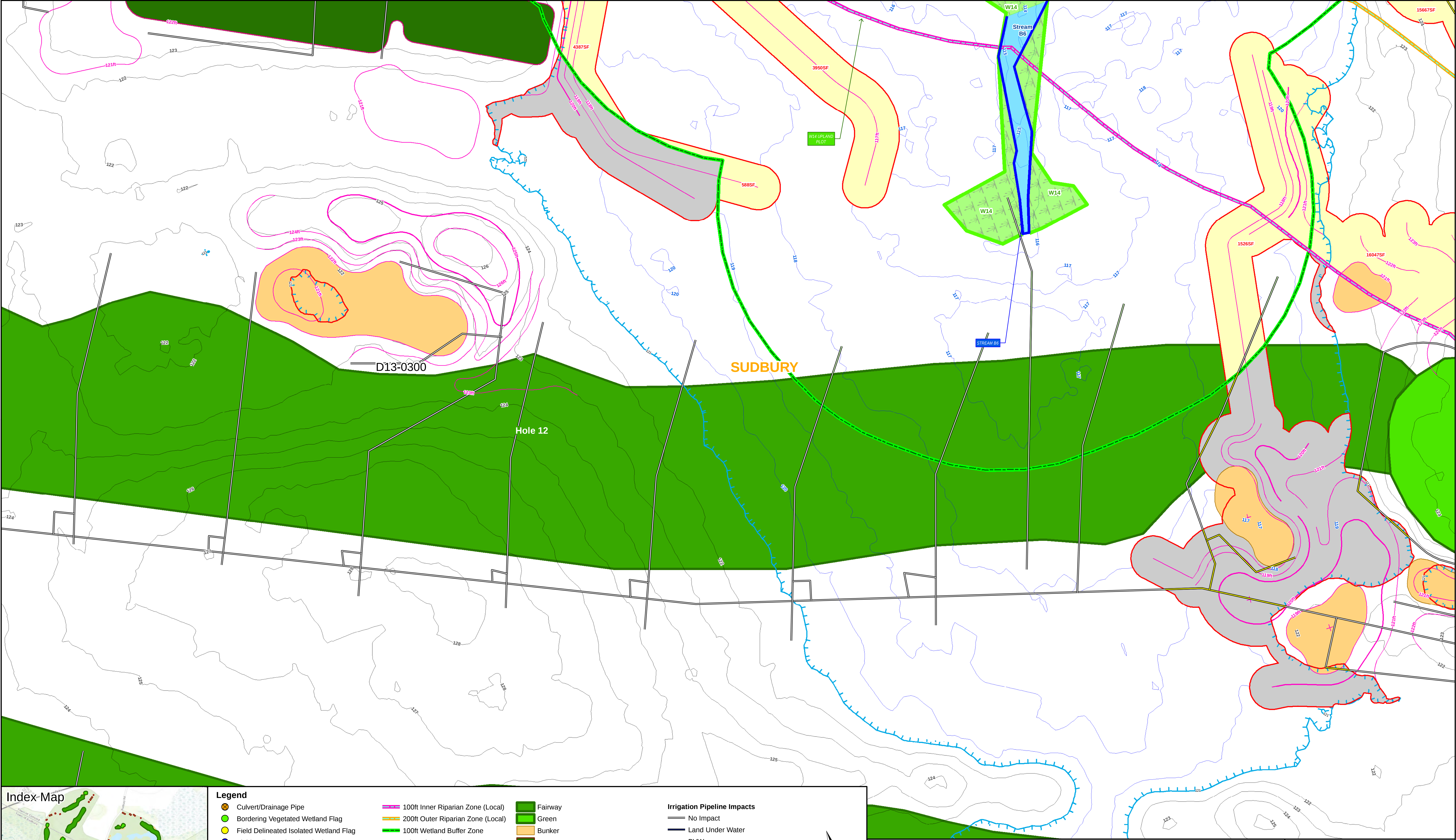
1 inch = 18 feet

0 30 60 Feet

Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB
Environmental Resources
Floodplain & Elevation Map
Sudbury, MA
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Hole 11



- Legend**
- | | | | |
|--|-----------------------------------|---|-----------------------------|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway | No Impact |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green | Land Under Water |
| Field Delineated Isolated Wetland Flag | 100ft Wetland Buffer Zone | Bunker | BVW |
| Field Delineated RF/Bank Flag | Edge of Bank | Tee Area | 100ft Inner Riparian Zone |
| Field Delineated Wetland Line | MAHW Line Per MWPA Regulations | Grading Contours | 200ft Outer Riparian Zone |
| Field Delineated Bordering Vegetated Wetland | 121-ft Base Flood Elevation | Elevation Within Floodplain (Up to 121ft) | 25ft Local Buffer (Concord) |
| Field Delineated Isolated Wetland | Existing Pond | Elevation Above Floodplain (Above 121ft) | 50ft Local Buffer (Concord) |
| Field Delineated Waterbody | Pond Extension Area | Work Within Floodplain | 100ft Wetland Buffer |
| 25ft Buffer Zone (Concord) | Roads | Work Within Resource Areas | Bore (No BVW/LUW Impact) |
| 50ft Buffer Zone (Concord) | Town Boundary | | Within Grading Area |
| 100ft Inner Riparian Zone (WPA) | Parcel with ID | | |
| 200ft Outer Riparian Zone (WPA) | | | |



Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

**Environmental Resources
Floodplain & Elevation Map**

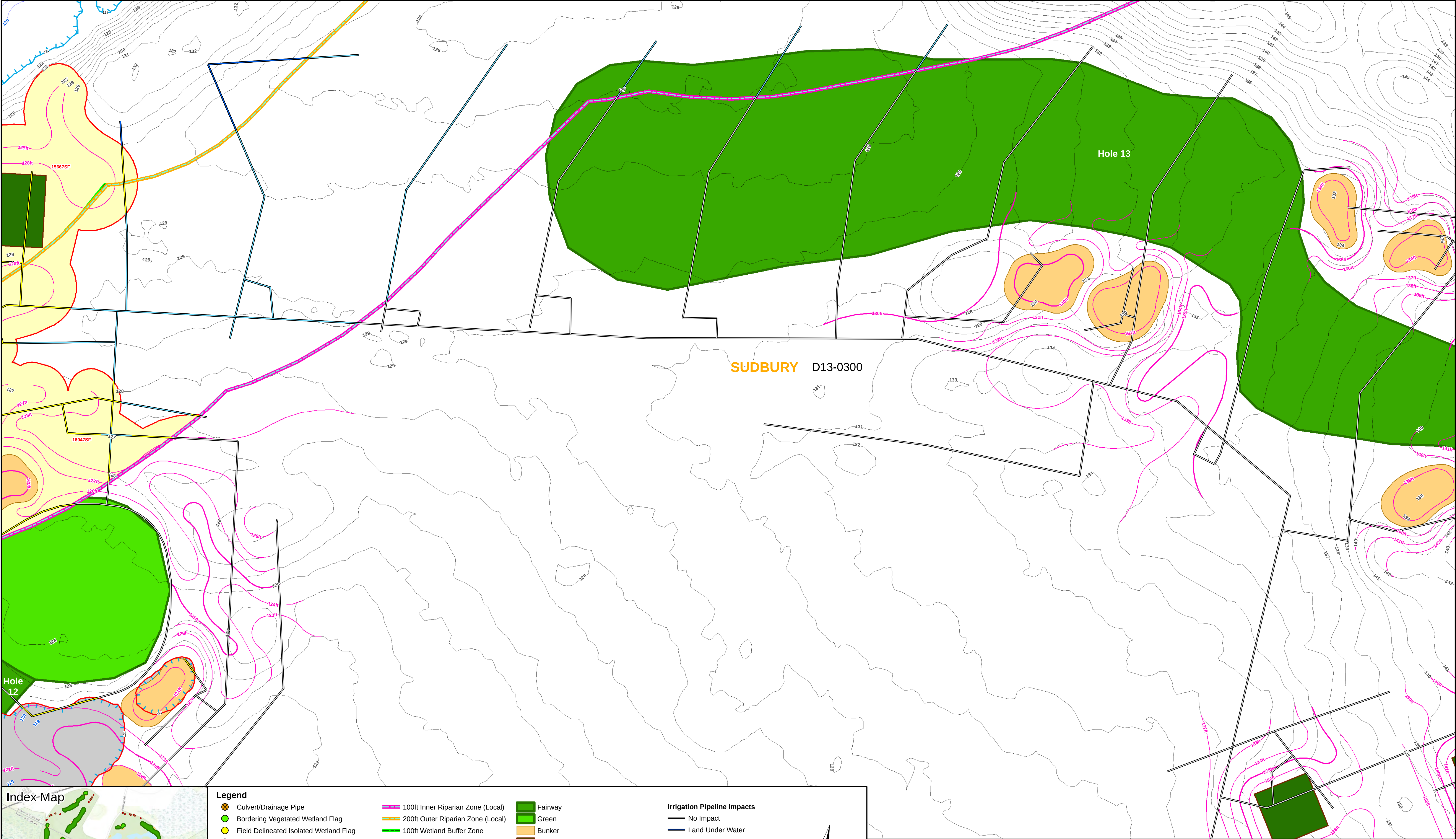
Sudbury, MA

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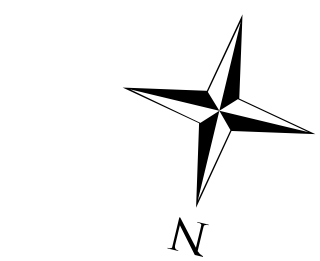


Hole 12

6/28/2018



- Legend**
- | | | | |
|--|-----------------------------------|---|-----------------------------|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway | Irrigation Pipeline Impacts |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green | Land Under Water |
| Field Delineated Isolated Wetland Flag | 100ft Wetland Buffer Zone | Bunker | BVW |
| Field Delineated RF/Bank Flag | Edge of Bank | Tee Area | 100ft Inner Riparian Zone |
| Field Delineated Wetland Line | 121-ft Base Flood Elevation | Grading Contours | 200ft Outer Riparian Zone |
| Field Delineated Bordering Vegetated Wetland | Existing Pond | Elevation Within Floodplain (Up to 121ft) | 25ft Local Buffer (Concord) |
| Field Delineated Isolated Wetland | Pond Extension Area | Elevation Above Floodplain (Above 121ft) | 50ft Local Buffer (Concord) |
| Field Delineated Waterbody | Roads | Work Within Floodplain | 100ft Wetland Buffer |
| 25ft Buffer Zone (Concord) | Town Boundary | Work Within Resource Areas | Bore (No BVW/LUW Impact) |
| 50ft Buffer Zone (Concord) | Parcel with ID | | Within Grading Area |
| 100ft Inner Riparian Zone (WPA) | | | |
| 200ft Outer Riparian Zone (WPA) | | | |



Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

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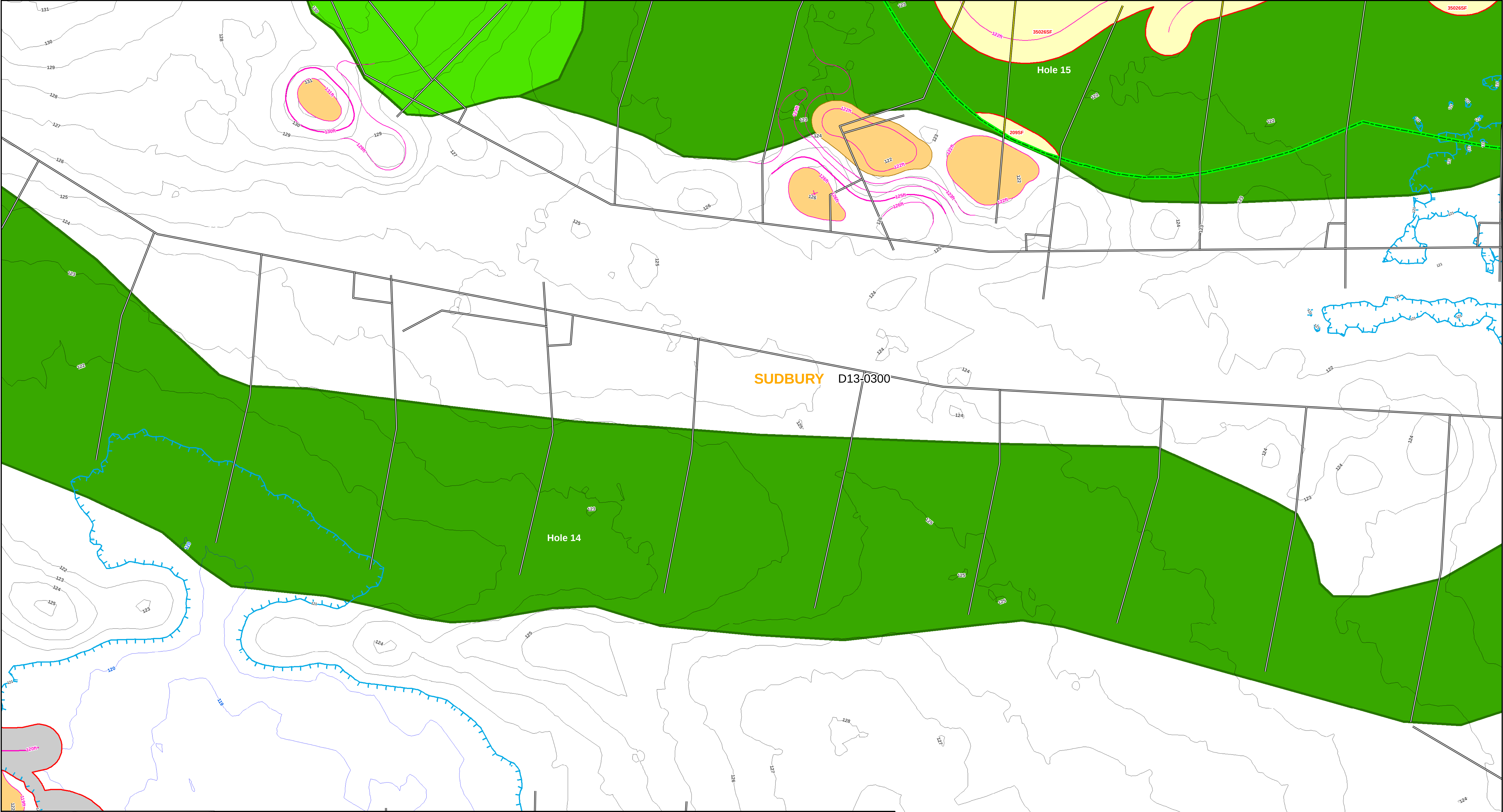
Environmental Resources Floodplain & Elevation Map

Sudbury, MA

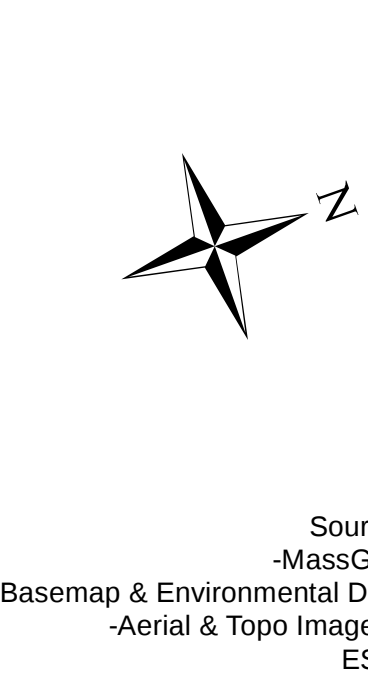
Page 19 of 26



Hole 13



- Legend**
- | | | |
|--|-----------------------------------|---|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green |
| Field Delineated Isolated Wetland Flag | 100ft Wetland Buffer Zone | Bunker |
| Field Delineated RF/Bank Flag | Edge of Bank | Tee Area |
| Field Delineated Wetland Line | MAHW Line Per MWPA Regulations | Grading Contours |
| Field Delineated Bordering Vegetated Wetland | 121-ft Base Flood Elevation | Elevation Within Floodplain (Up to 121ft) |
| Field Delineated Isolated Wetland | Existing Pond | Elevation Above Floodplain (Above 121ft) |
| Field Delineated Waterbody | Pond Extension Area | Work Within Floodplain |
| 25ft Buffer Zone (Concord) | Roads | Work Within Resource Areas |
| 50ft Buffer Zone (Concord) | Town Boundary | |
| 100ft Inner Riparian Zone (WPA) | Parcel with ID | |
| 200ft Outer Riparian Zone (WPA) | | |



Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

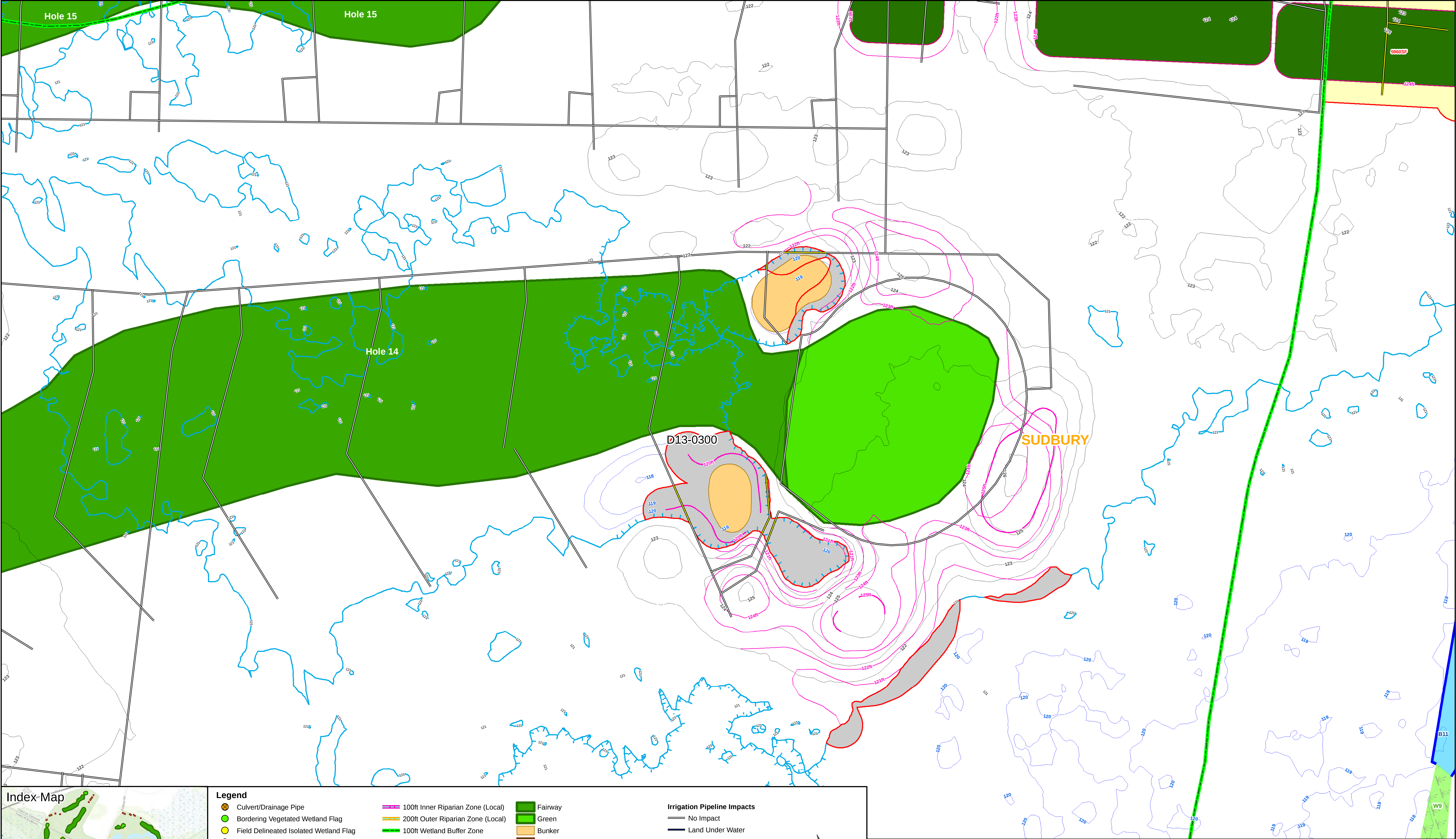
Environmental Resources Floodplain & Elevation Map

Sudbury, MA

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Hole 14



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
- Field Delineated Wetland Line
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- 100ft Wetland Buffer Zone
- Edge of Bank
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- Parcel with ID

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- Tee Area
- Grading Contours
- Elevation Within Floodplain (Up to 121ft)
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- Work Within Floodplain
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Irrigation Pipeline Impacts

- No Impact
- Land Under Water
- BVW
- 100ft Inner Riparian Zone
- 200ft Outer Riparian Zone
- 25ft Local Buffer (Concord)
- 50ft Local Buffer (Concord)
- 100ft Wetland Buffer
- Bore (No BVW/LUW Impact)
- Within Grading Area

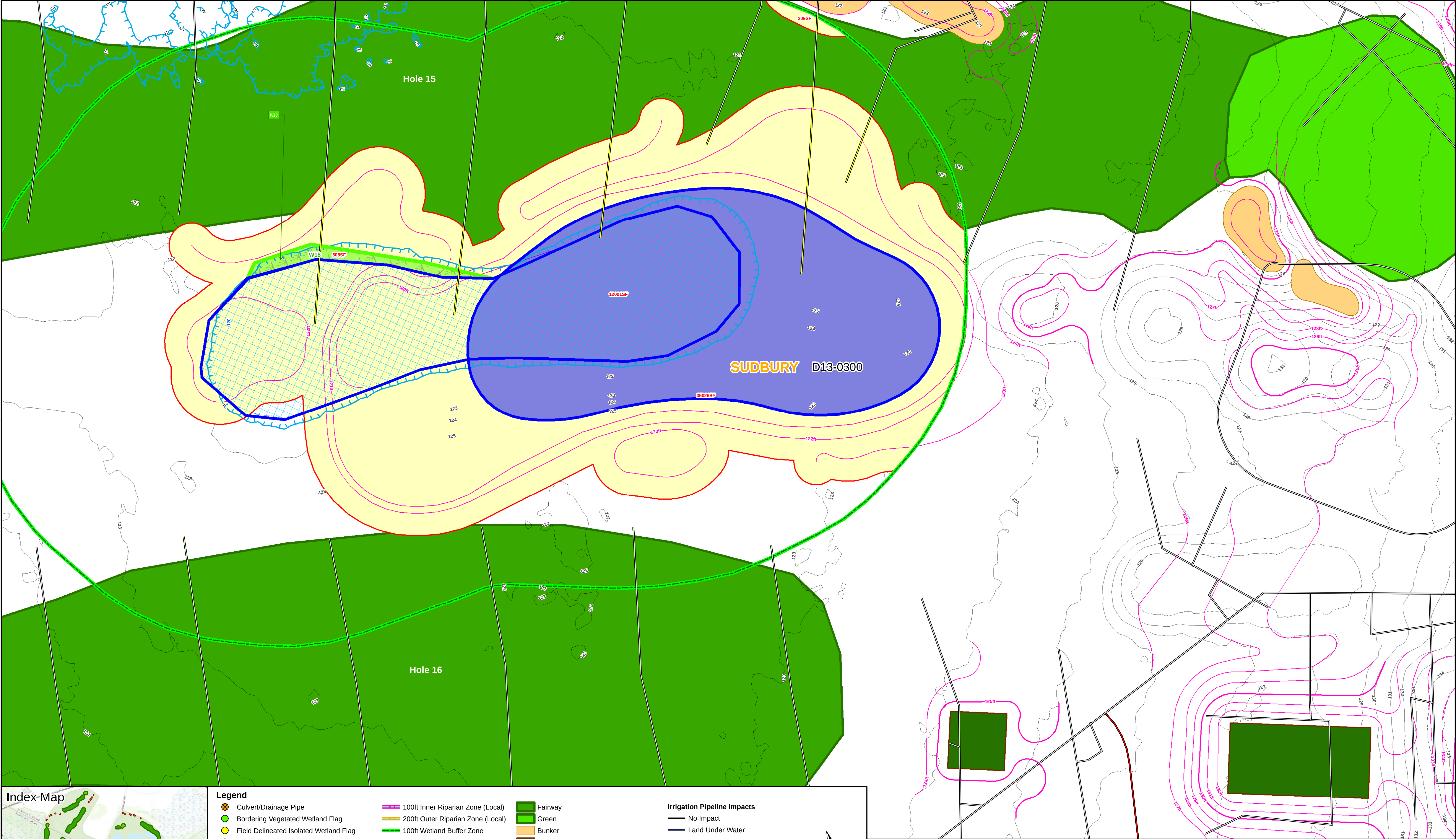
1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB
Environmental Resources
Floodplain & Elevation Map
Concord & Sudbury, MA





Legend

- Culvert/Drainage Pipe - Bordering Vegetated Wetland Flag - Field Delineated Isolated Wetland Flag - Field Delineated RF/Bank Flag - Field Delineated Wetland Line - Field Delineated Bordering Vegetated Wetland - Field Delineated Isolated Wetland - Field Delineated Waterbody 25ft Buffer Zone (Concord) 50ft Buffer Zone (Concord) 100ft Inner Riparian Zone (WPA) 200ft Outer Riparian Zone (WPA)	100ft Inner Riparian Zone (Local) 200ft Outer Riparian Zone (Local) 100ft Wetland Buffer Zone - Edge of Bank - MAHW Line Per MWPA Regulations 121-ft Base Flood Elevation - Existing Pond - Pond Extension Area - Roads - Town Boundary - Parcel with ID	- Fairway - Green - Bunker - Tee Area - Grading Contours - Elevation Within Floodplain (Up to 121ft) - Elevation Above Floodplain (Above 121ft) - Work Within Floodplain - Work Within Resource Areas	Irrigation Pipeline Impacts - No Impact - Land Under Water - BVW 100ft Inner Riparian Zone 200ft Outer Riparian Zone 25ft Local Buffer (Concord) 50ft Local Buffer (Concord) 100ft Wetland Buffer - Bore (No BVW/LUW Impact) - Within Grading Area
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1 inch = 18 feet

0 30 60 Feet

Source: MassGIS
Basemap & Environmental Data
Aerial & Topo Imagery
ESRI

NASHAWTUC COUNTRY CLUB

**Environmental Resources
Floodplain & Elevation Map**

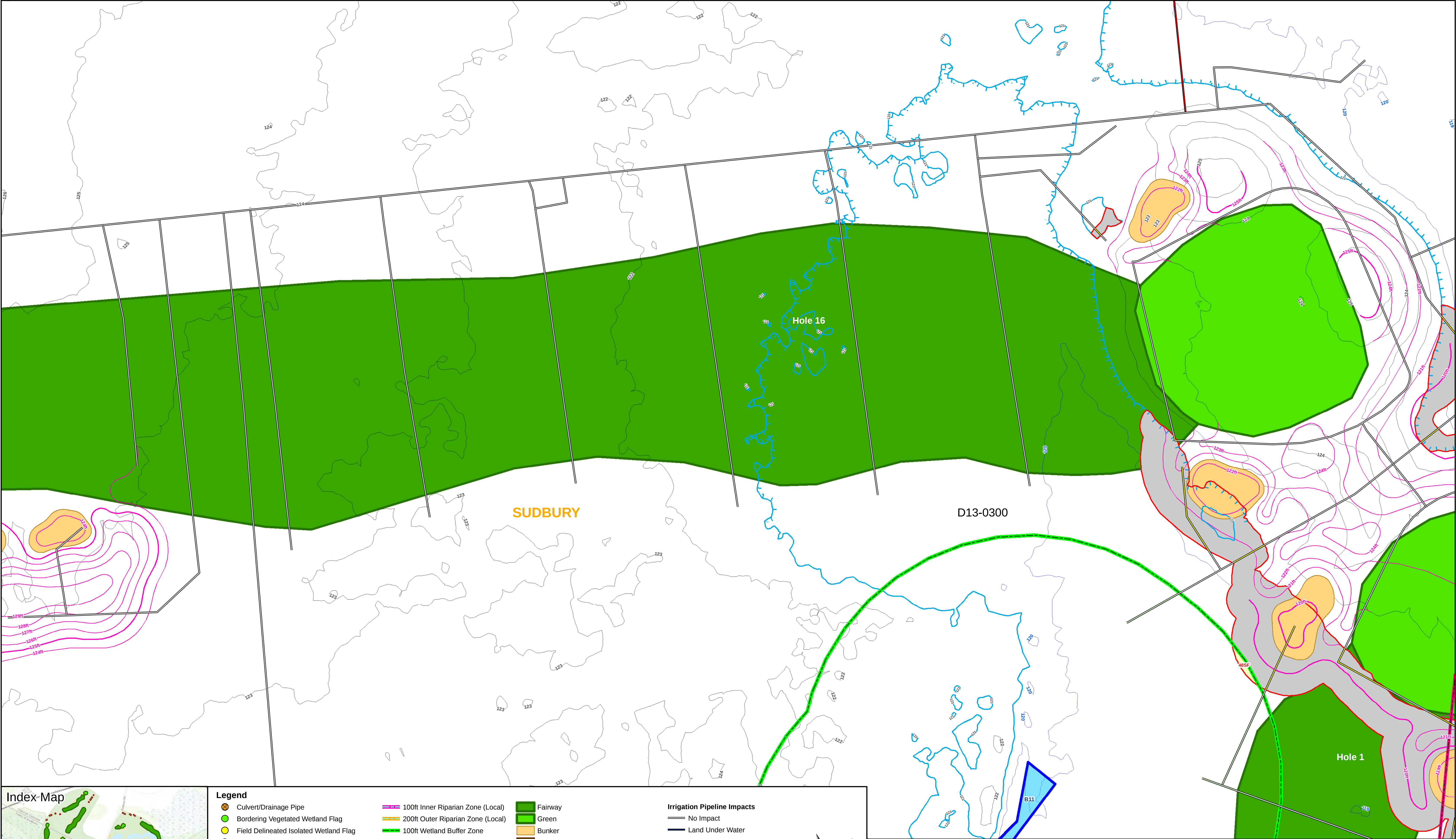
Sudbury, MA

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Hole 15

6/28/2018



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
- Field Delineated RF/Bank Flag
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- Parcel with ID

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- Bunker
- Tee Area
- Grading Contours
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Irrigation Pipeline Impacts

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- Land Under Water
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- Bore (No BVW/LUW Impact)
- Within Grading Area

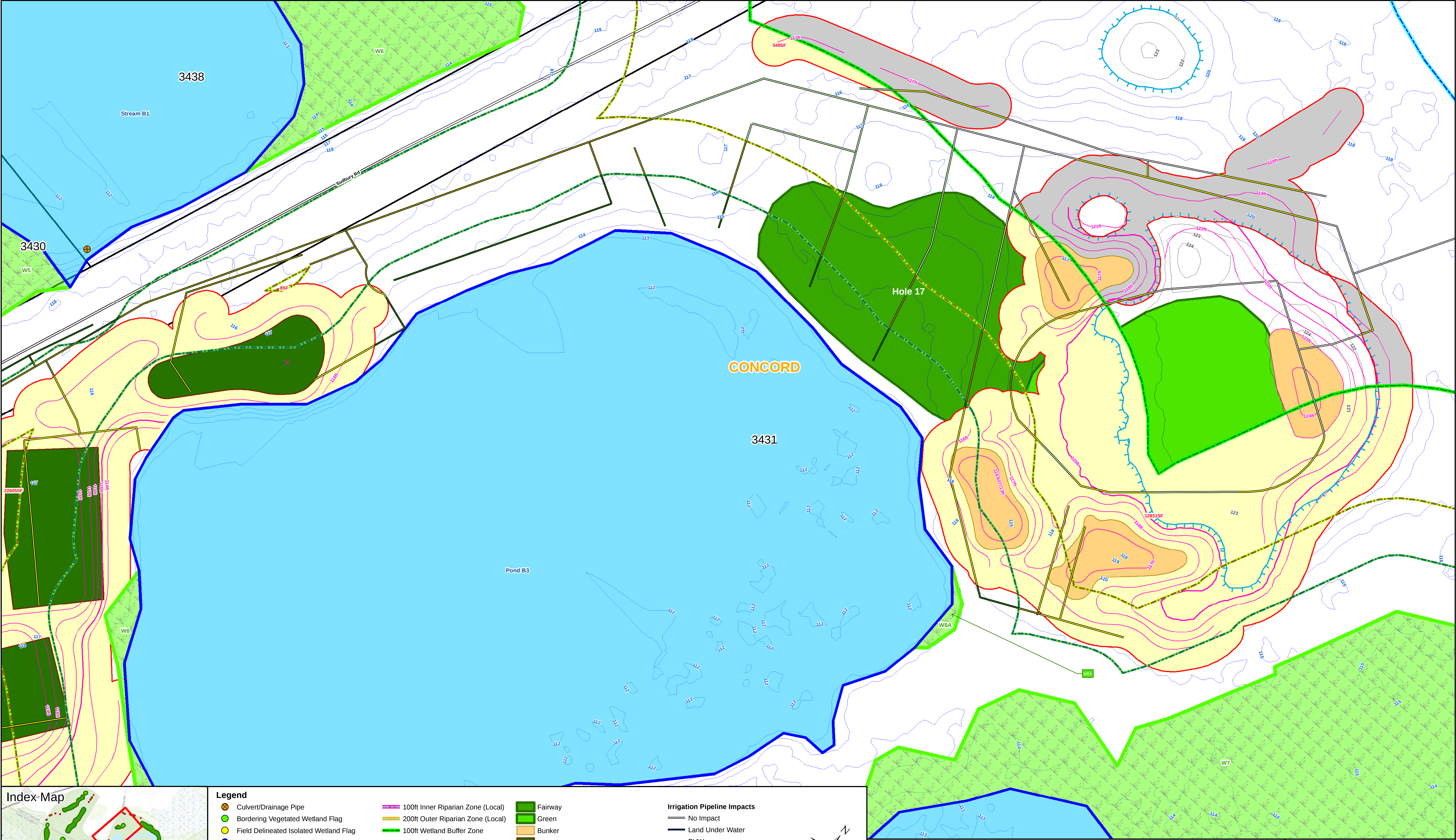
Source:
-MassGIS
Basemap & Environmental Data
-Aerial & Topo Imagery
ESRI

1 inch = 18 feet

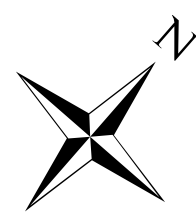
0 30 60 Feet

NASHAWTUC COUNTRY CLUB
Environmental Resources
Floodplain & Elevation Map
Concord & Sudbury, MA





- Legend**
- | | | | |
|--|-----------------------------------|---|---|
| Culvert/Drainage Pipe | 100ft Inner Riparian Zone (Local) | Fairway | Irrigation Pipeline Impacts
No Impact
Land Under Water
BVW
100ft Inner Riparian Zone
200ft Outer Riparian Zone
25ft Local Buffer (Concord)
50ft Local Buffer (Concord)
100ft Wetland Buffer
Bore (No BVW/LUW Impact)
Within Grading Area |
| Bordering Vegetated Wetland Flag | 200ft Outer Riparian Zone (Local) | Green | |
| Field Delineated Isolated Wetland Flag | 100ft Wetland Buffer Zone | Bunker | |
| Field Delineated RF/Bank Flag | Edge of Bank | Tee Area | |
| Field Delineated Wetland Line | MAHW Line Per MWPA Regulations | Grading Contours | |
| Field Delineated Bordering Vegetated Wetland | 121-ft Base Flood Elevation | Elevation Within Floodplain (Up to 121ft) | |
| Field Delineated Isolated Wetland | Existing Pond | Elevation Above Floodplain (Above 121ft) | |
| Field Delineated Waterbody | Pond Extension Area | Work Within Floodplain | |
| 25ft Buffer Zone (Concord) | Roads | Work Within Resource Areas | |
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| 200ft Outer Riparian Zone (WPA) | | | |
- 1 inch = 18 feet
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Source:
-MassGIS
Basemap & Environmental Data
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ESRI

NASHAWTUC COUNTRY CLUB

Environmental Resources Floodplain & Elevation Map

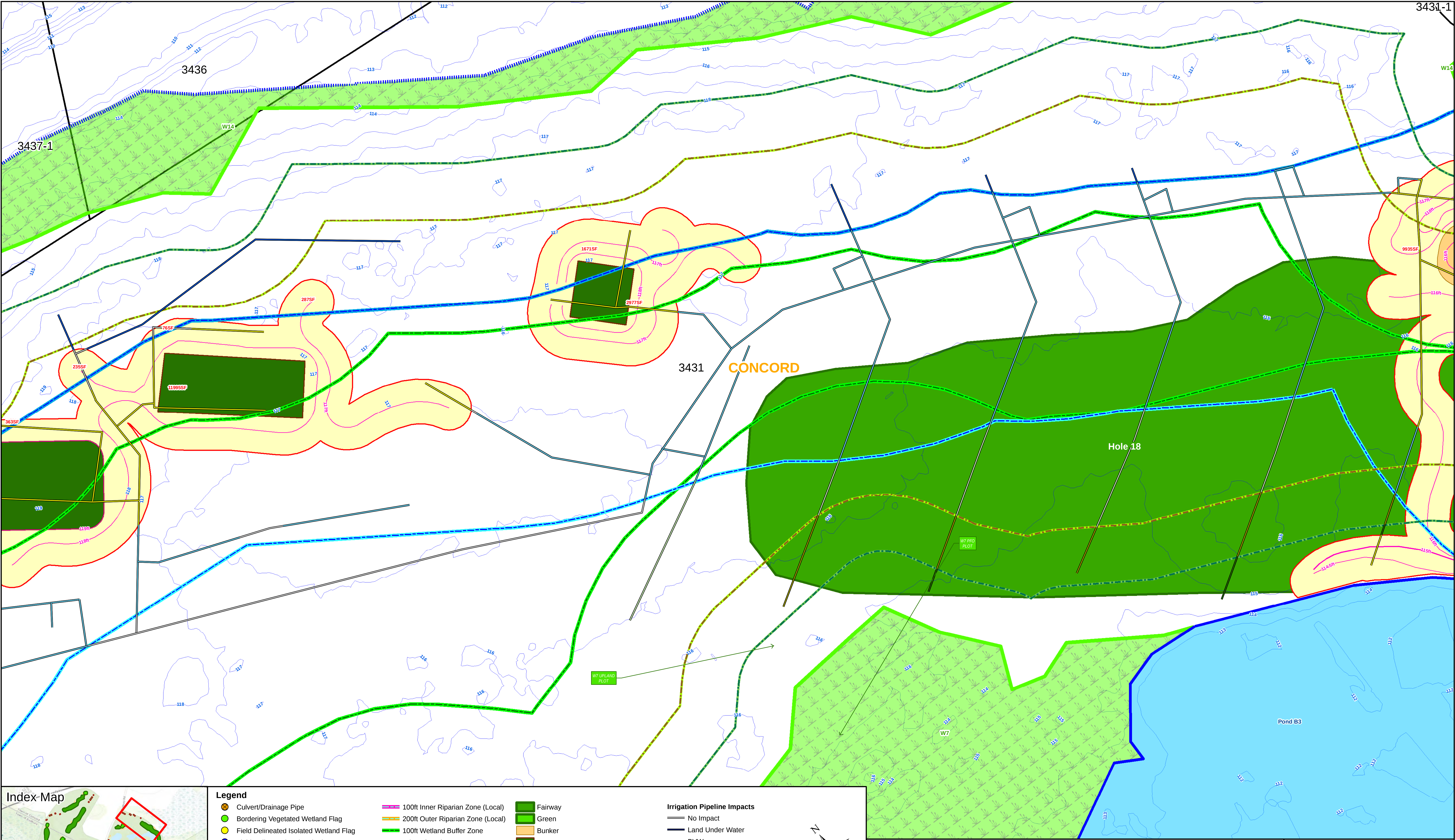
Concord, MA

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6/28/2018



Legend

- Culvert/Drainage Pipe
- Bordering Vegetated Wetland Flag
- Field Delineated Isolated Wetland Flag
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 - Within Grading Area

Source:
-MassGIS
-Basemap & Environmental Data
-Aerial & Topo Imagery
-ESRI

1 inch = 18 feet

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NASHAWTUC COUNTRY CLUB

**Environmental Resources
Floodplain & Elevation Map**

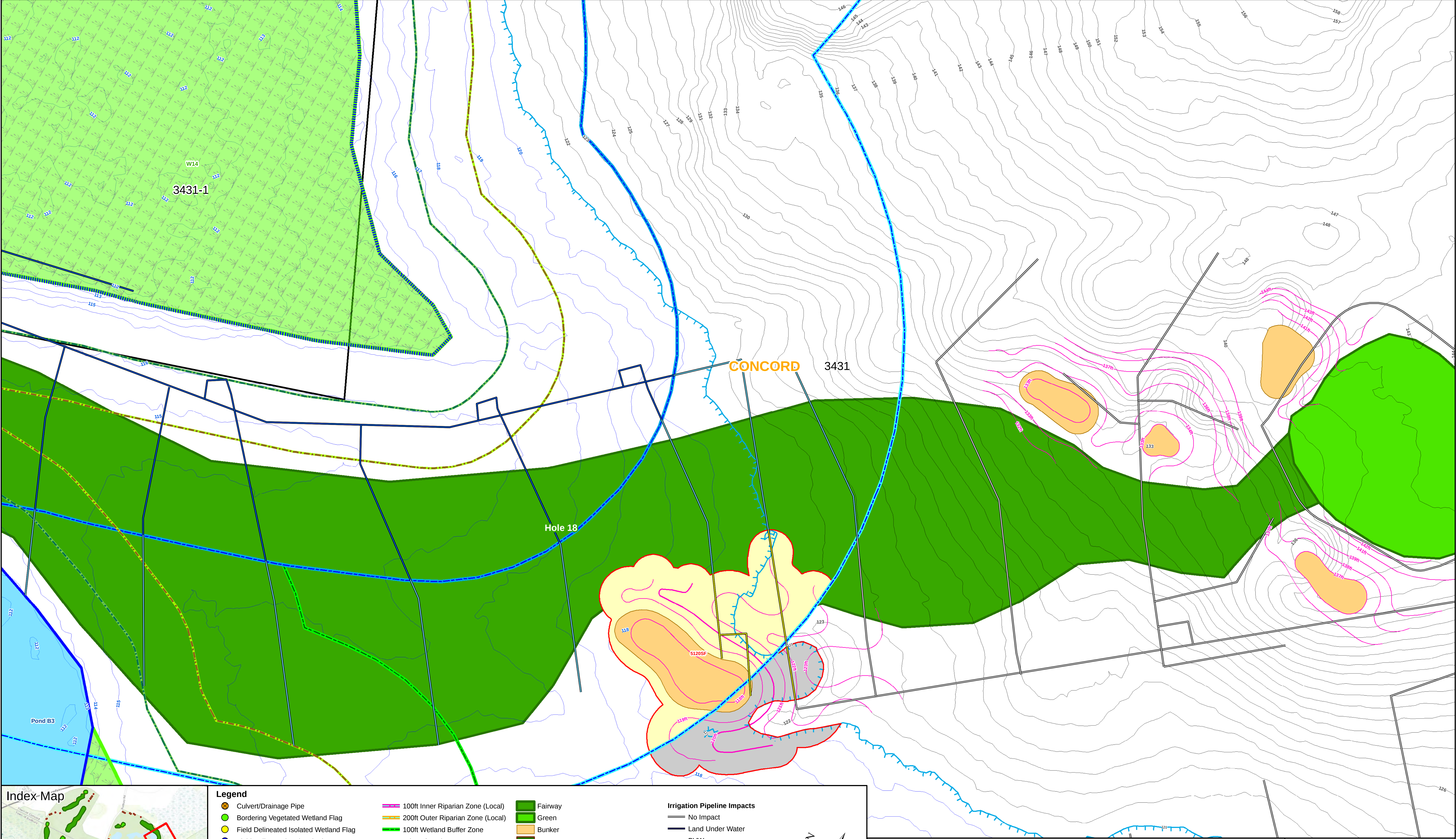
Concord, MA

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6/28/2018



Legend

- Culvert/Drainage Pipe
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Grading Contours

- Elevation Within Floodplain (Up to 121ft)
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- Work Within Resource Areas

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NASHAWTUC COUNTRY CLUB

Environmental Resources

Floodplain & Elevation Map

Concord, MA

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6/28/2018