

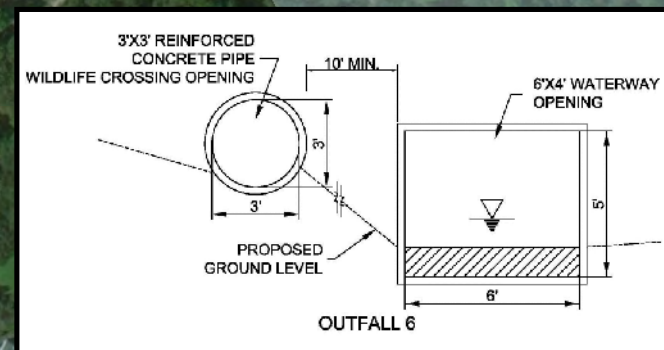
**Exhibit 5**  
**Best Management Practices Map**  
**Illinois Route 31**  
**Illinois Route 176 to Illinois Route 120**  
**McHenry County, Illinois**  
**Sheet 1 of 6**

0 200 400 800  
Feet

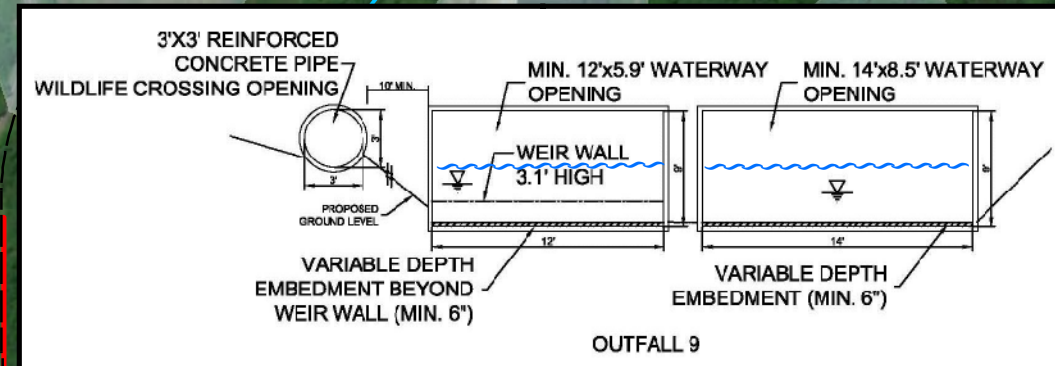
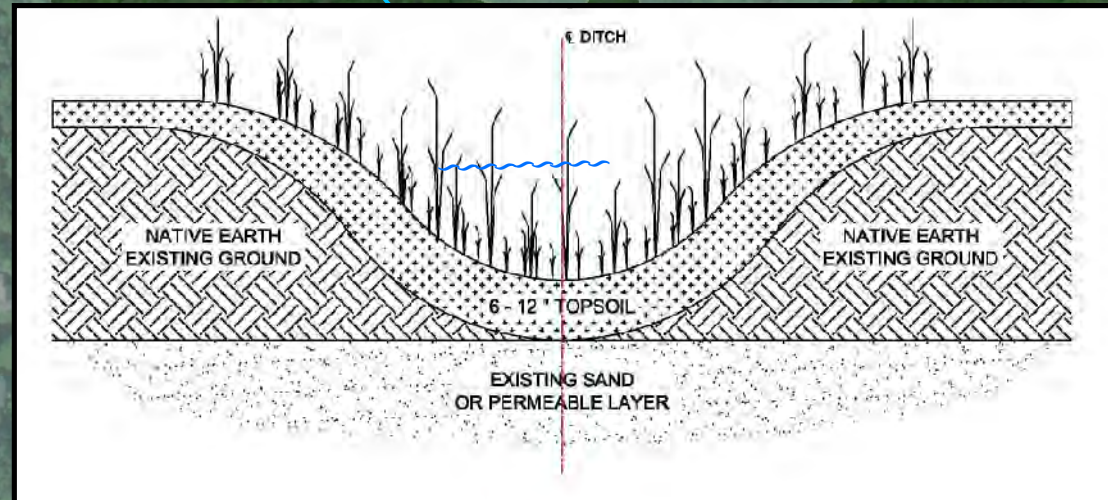
**Legend**

--- Existing ROW	Meandering Stream	Perennial Stream	WOUS (INHS)	Stream
— Proposed ROW	Proposed Bioswale	ADID Wetland	Lakes and Rivers	Outfall
== Proposed Retaining Wall	Proposed Infiltration Trench	NON-ADID Wetland	Proposed Detention Pond/ Proposed Retention Basin	Embedded Culvert - Typical 1' Depth
~ Water Level	Proposed Natural Bottom Culvert/Bridge	Sensitive Aquifer Recharge Area		

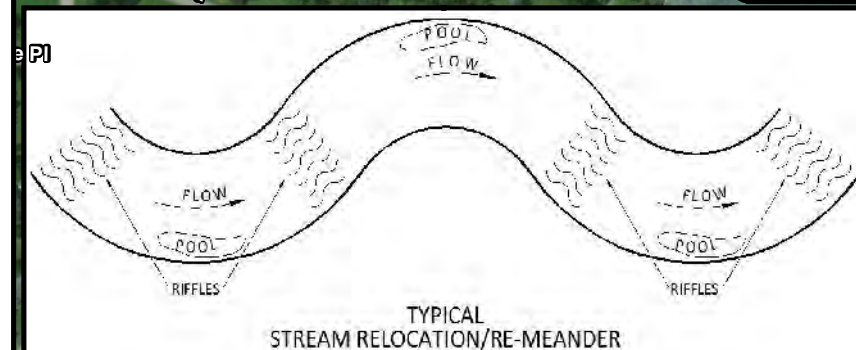
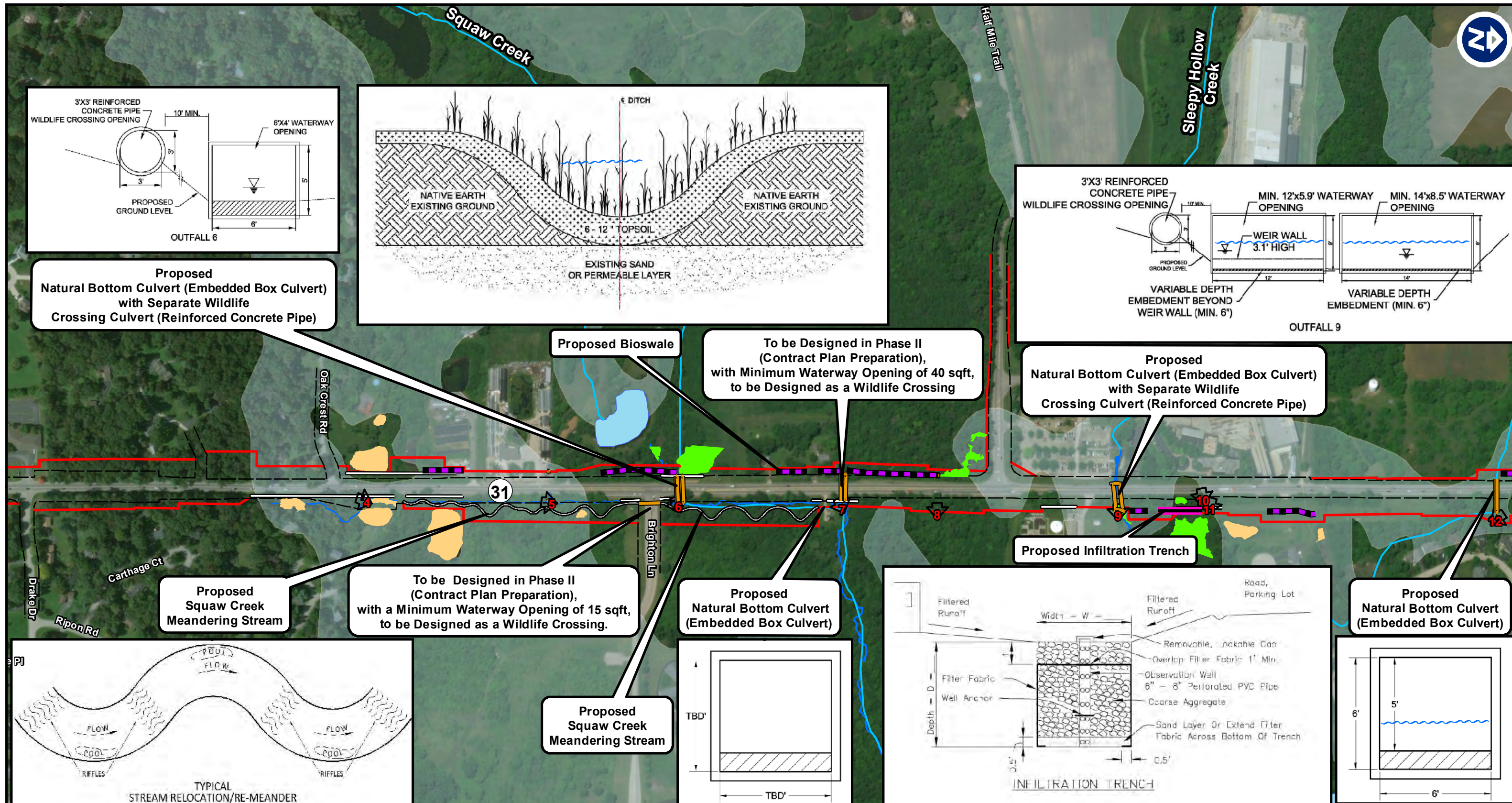




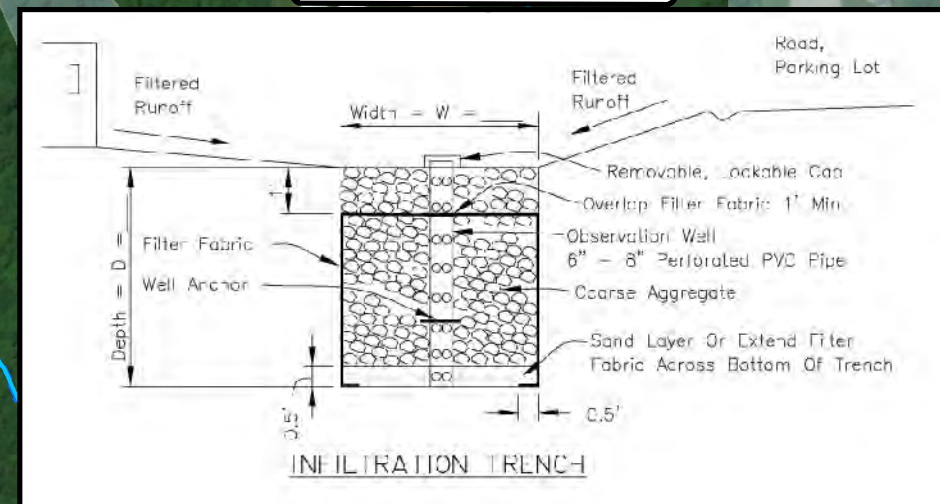
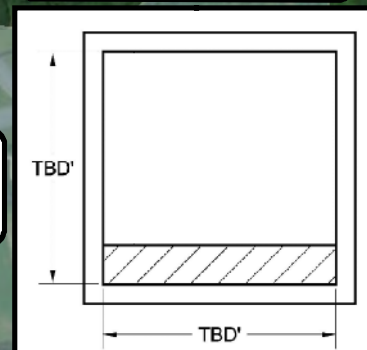
**Proposed Natural Bottom Culvert (Embedded Box Culvert) with Separate Wildlife Crossing Culvert (Reinforced Concrete Pipe)**



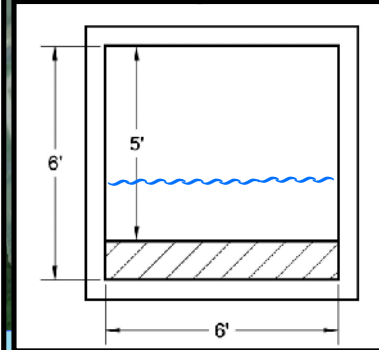
**Proposed Natural Bottom Culvert (Embedded Box Culvert) with Separate Wildlife Crossing Culvert (Reinforced Concrete Pipe)**



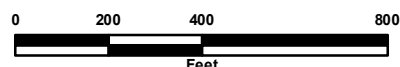
**Proposed Natural Bottom Culvert (Embedded Box Culvert)**



**Proposed Natural Bottom Culvert (Embedded Box Culvert)**



**Exhibit 5  
Best Management Practices Map  
Illinois Route 31  
Illinois Route 176 to Illinois Route 120  
McHenry County, Illinois  
Sheet 2 of 6**



## Legend

--- Existing ROW  
--- Proposed ROW  
--- Proposed Retaining Wall  
~ Water Level

Meandering Stream  
Proposed Bioswale  
Proposed Infiltration Trench  
Proposed Natural Bottom Culvert/Bridge

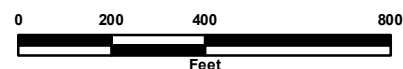
Perennial Stream  
ADID Wetland  
NON-ADID Wetland  
Sensitive Aquifer Recharge Area

WOUS (INHS)  
Lakes and Rivers  
Proposed Detention Pond/  
Proposed Retention Basin  
Stream  
Outfall  
Embedded Culvert -  
Typical 1' Depth





**Exhibit 5**  
**Best Management Practices Map**  
**Illinois Route 31**  
**Illinois Route 176 to Illinois Route 120**  
**McHenry County, Illinois**  
**Sheet 3 of 6**



**Legend**

- |                         |  |                                 |  |  |
|-------------------------|--|---------------------------------|--|--|
| --- Existing ROW        | Meandering Stream                      | Perennial Stream                | WOUS (INHS)  | Stream                                 |
| Proposed ROW            | Proposed Bioswale                      | ADID Wetland                    | Lakes and Rivers                                     | Outfall                                |
| Proposed Retaining Wall | Proposed Infiltration Trench           | NON-ADID Wetland                | Proposed Detention Pond/<br>Proposed Retention Basin | Embedded Culvert -<br>Typical 1' Depth |
| Water Level             | Proposed Natural Bottom Culvert/Bridge | Sensitive Aquifer Recharge Area |  |  |





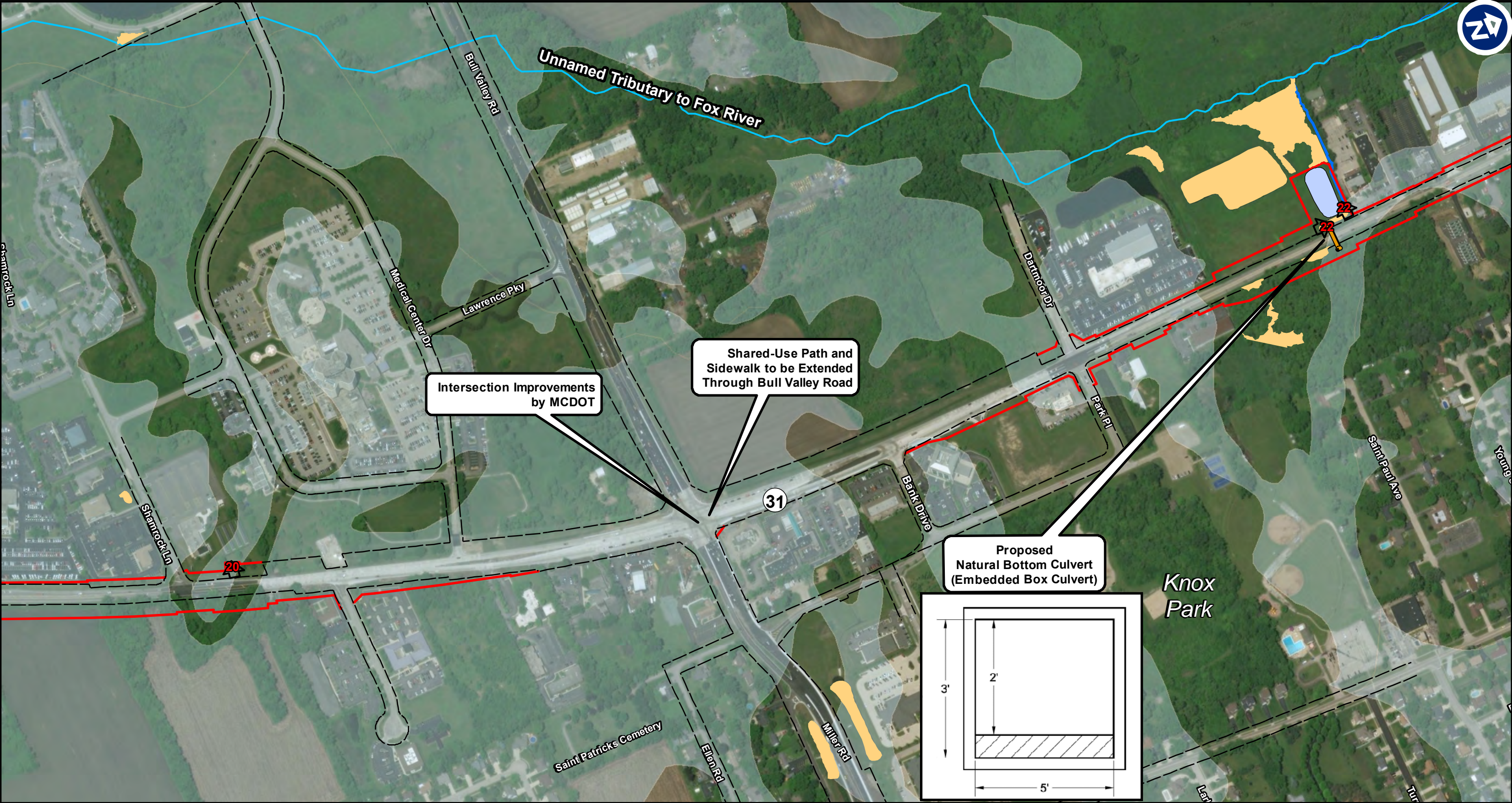
**Exhibit 5**  
**Best Management Practices Map**  
**Illinois Route 31**  
**Illinois Route 176 to Illinois Route 120**  
**McHenry County, Illinois**  
**Sheet 4 of 6**

0 200 400 800  
Feet

**Legend**

--- Existing ROW	Meandering Stream	Perennial Stream	WOUS (INHS)	Stream
— Proposed ROW	Proposed Bioswale	ADID Wetland	Lakes and Rivers	Outfall
== Proposed Retaining Wall	Proposed Infiltration Trench	NON-ADID Wetland	Proposed Detention Pond/ Proposed Retention Basin	Embedded Culvert - Typical 1' Depth
~ Water Level	Proposed Natural Bottom Culvert/Bridge	Sensitive Aquifer Recharge Area		





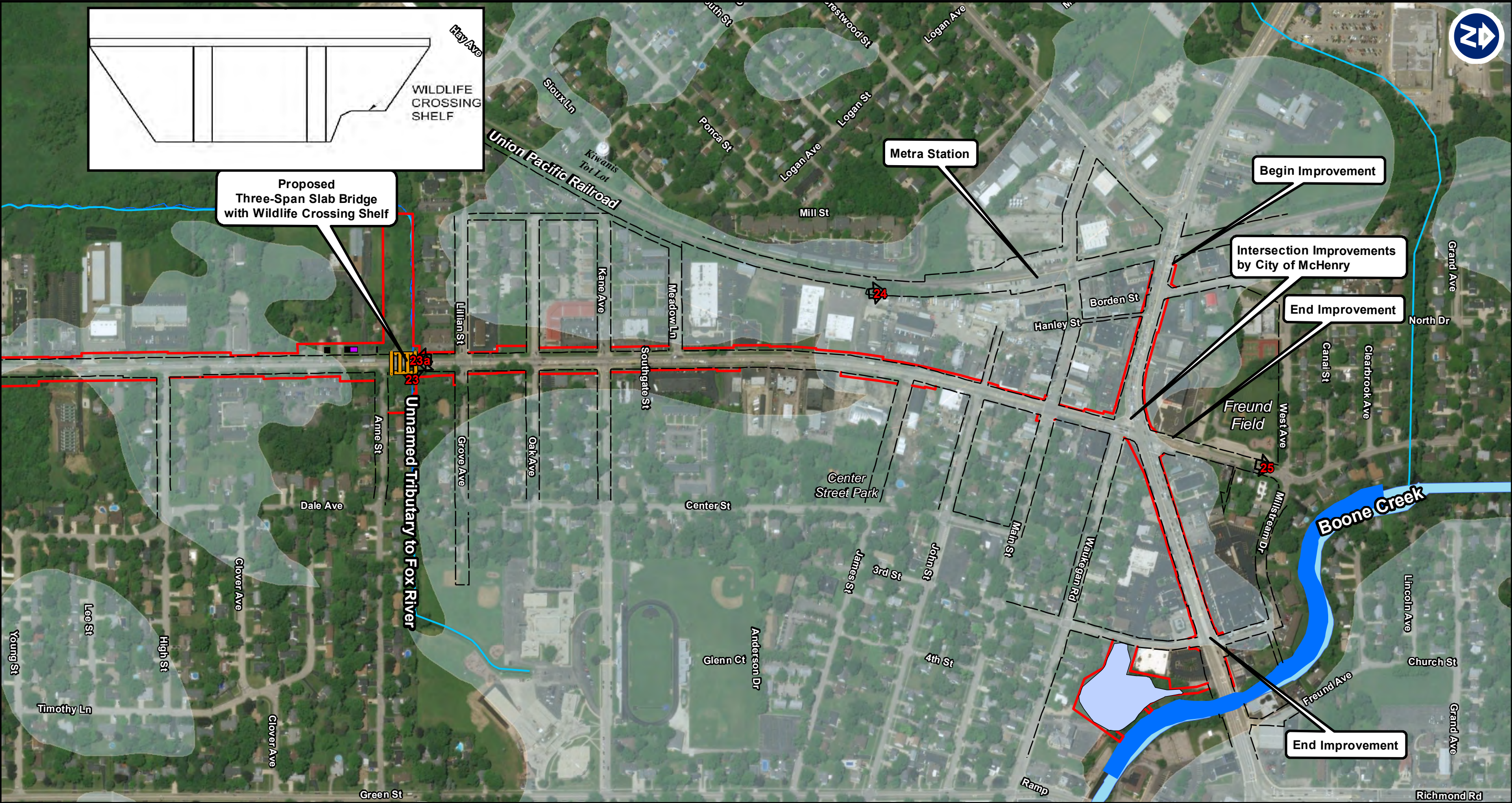
**Exhibit 5**  
**Best Management Practices Map**  
**Illinois Route 31**  
**Illinois Route 176 to Illinois Route 120**  
**McHenry County, Illinois**  
**Sheet 5 of 6**

0 200 400 800  
Feet

**Legend**

--- Existing ROW	Meandering Stream	▽ Perennial Stream	WOUS (INHS)	Stream
— Proposed ROW	Proposed Bioswale	ADID Wetland	Lakes and Rivers	Outfall
— Proposed Retaining Wall	Proposed Infiltration Trench	NON-ADID Wetland	Proposed Detention Pond/ Proposed Retention Basin	Embedded Culvert - Typical 1' Depth
Water Level	Proposed Natural Bottom Culvert/Bridge	Sensitive Aquifer Recharge Area		





**Exhibit 5**  
**Best Management Practices Map**  
**Illinois Route 31**  
**Illinois Route 176 to Illinois Route 120**  
**McHenry County, Illinois**  
**Sheet 6 of 6**

0200400800

Feet

**Legend**

--- Existing ROW	Meandering Stream	Perennial Stream	WOUS (INHS)	Stream
Proposed ROW	Proposed Bioswale	ADID Wetland	Lakes and Rivers	Outfall
Proposed Retaining Wall	Proposed Infiltration Trench	NON-ADID Wetland	Proposed Detention Pond/ Proposed Retention Basin	Embedded Culvert - Typical 1' Depth
Water Level	Proposed Natural Bottom Culvert/Bridge	Sensitive Aquifer Recharge Area		