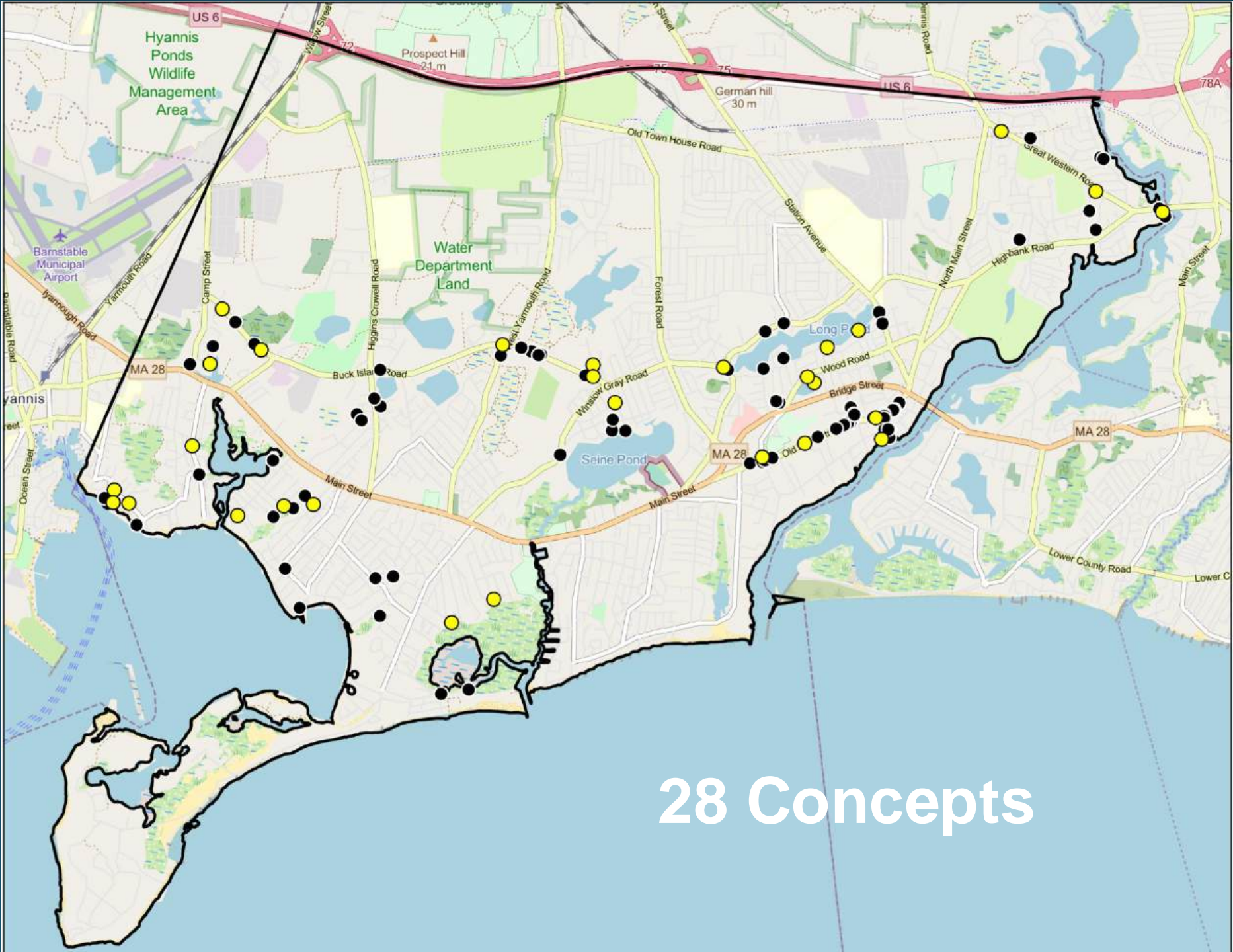
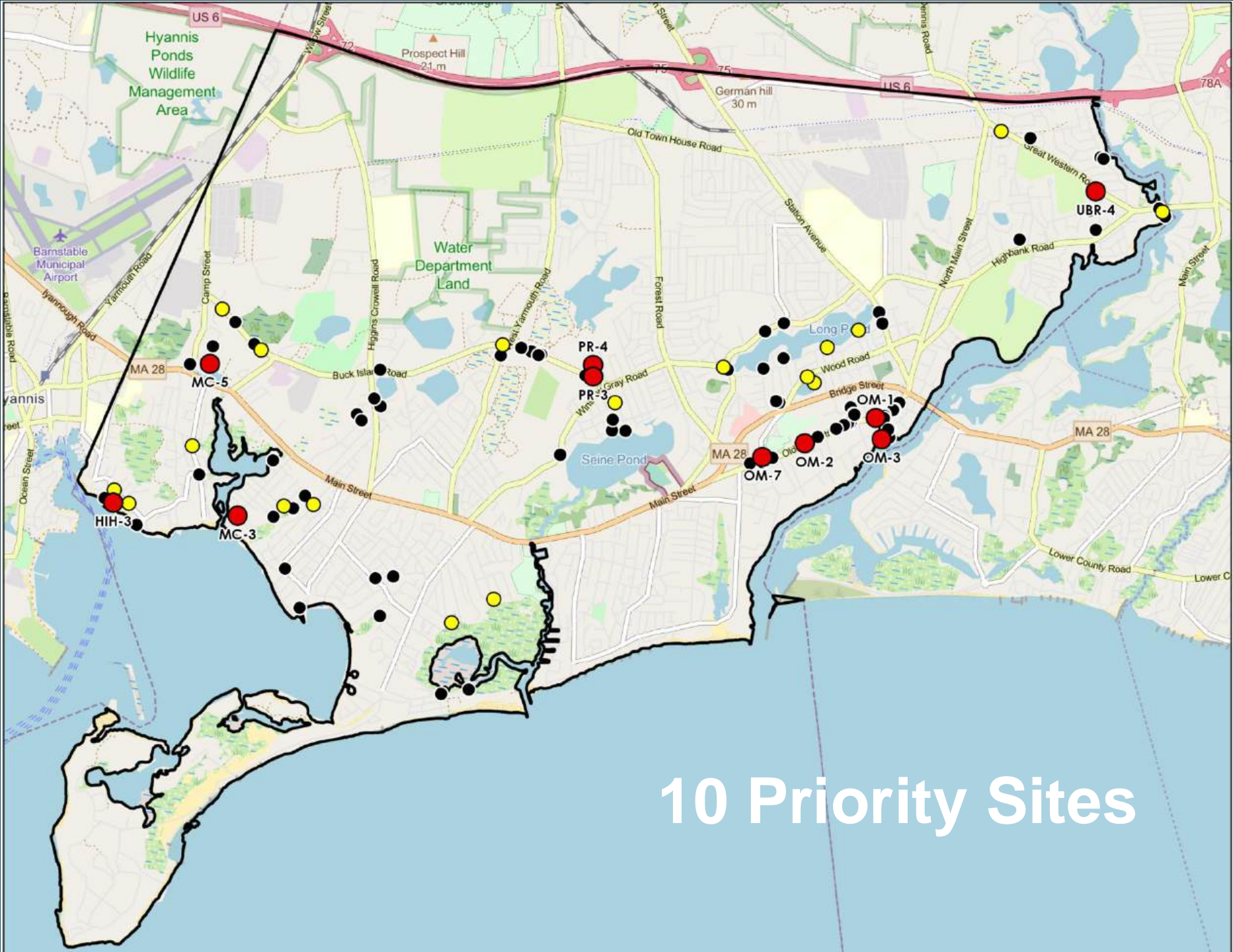


Over 80 Sites!



28 Concepts



10 Priority Sites

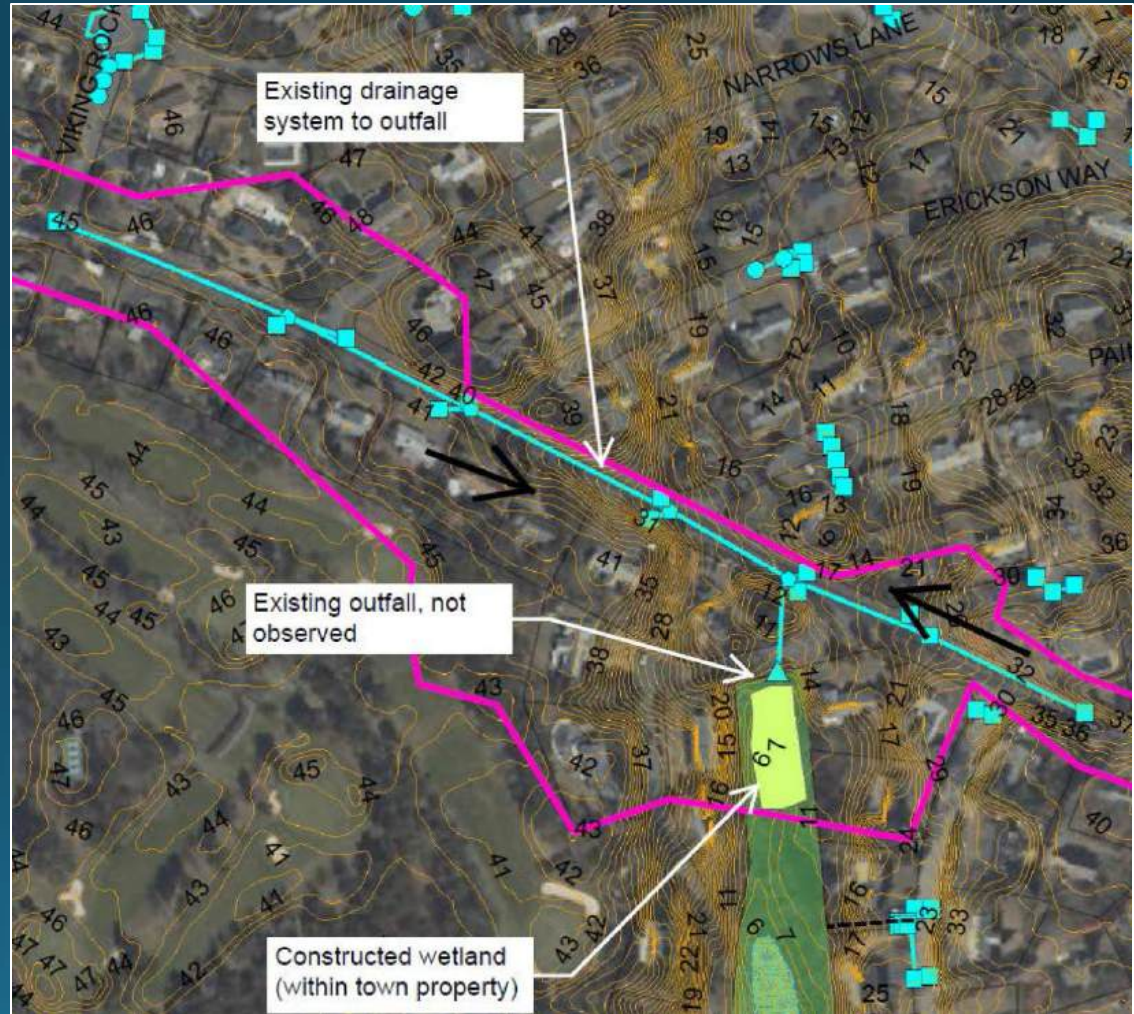
Proposed GSI Retrofits

- Structural Practices
 - Infiltration/Porous Pavement
 - Filters (Bioretentions/Rain Gardens)
 - Wet Practices
- Non-structural Practices
 - Pavement Removal
 - Revegetation
 - Public Education



Concept Sketches - Legend

- ▶ Drainage area - pink
- ▶ Contours – orange
- ▶ Town-owned land – green
- ▶ Wetlands – plant symbol
- ▶ Pavement removal – striped gray
- ▶ GSI practice - light green or speckled brown
- ▶ Revegetation – dark green
- ▶ Flow arrows
- ▶ Existing drainage infrastructure – bright blue
- ▶ Proposed inlets – dark red



Site Ranking Criteria

- 1) Pollutant Removal Potential
- 2) Estimated Construction Costs
- 3) Ease of implementation
- 4) Additional Benefits



UBR-4 Curve Hill Road

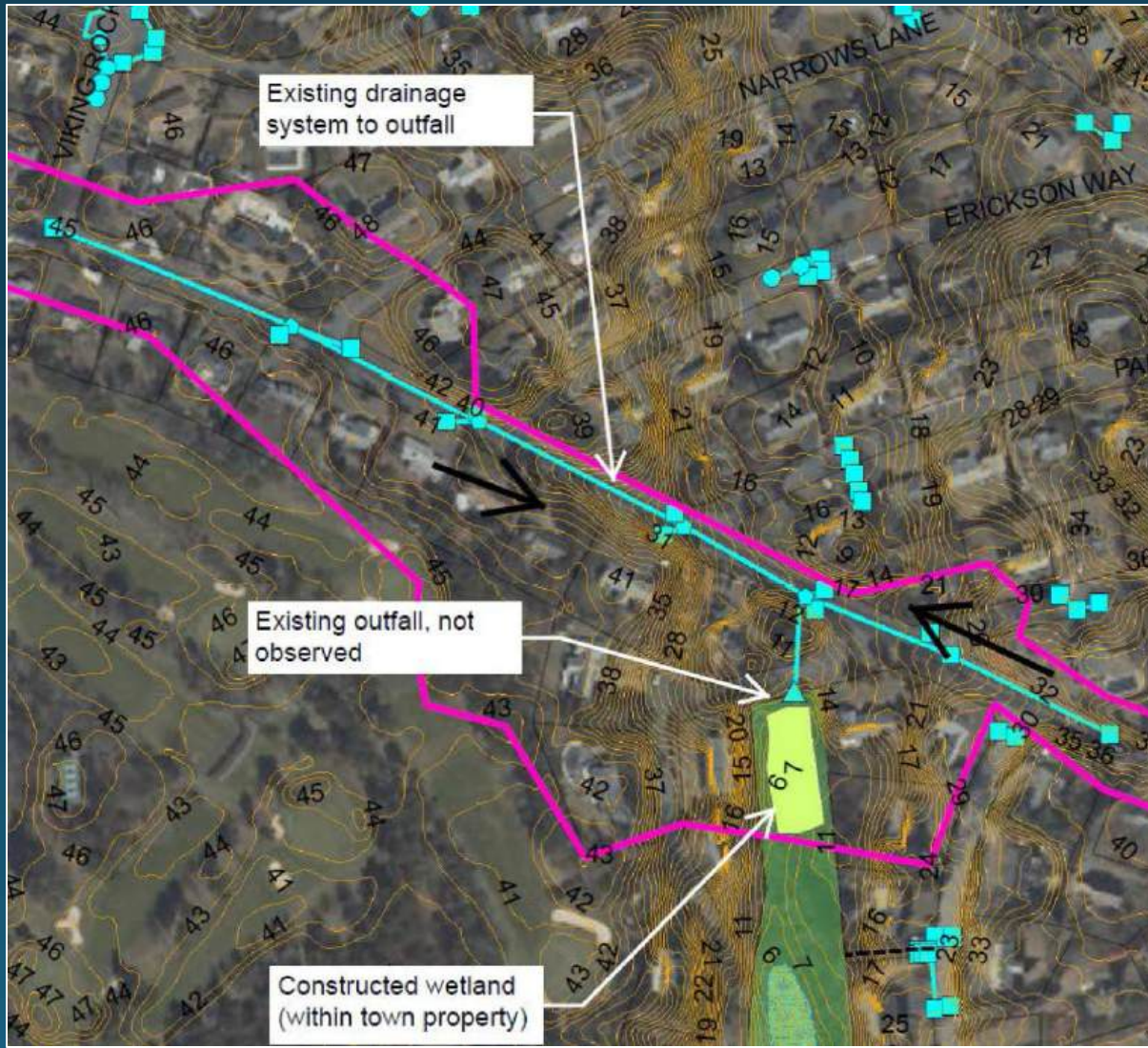
Existing Conditions

- Discharges to wetlands connecting to Bass River
- DA1 = 13.6 ac/38% imp
- Town-owned parcel
- Existing outfall/paved flume
- Sedimentation



UBR-4 Proposed Concepts

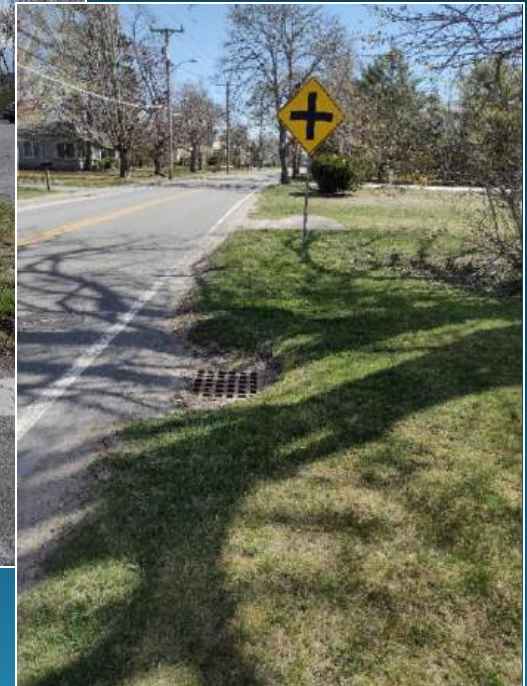
Curve Hill Road Constructed Wetland



OM-1 Old Main (East)

Existing Conditions

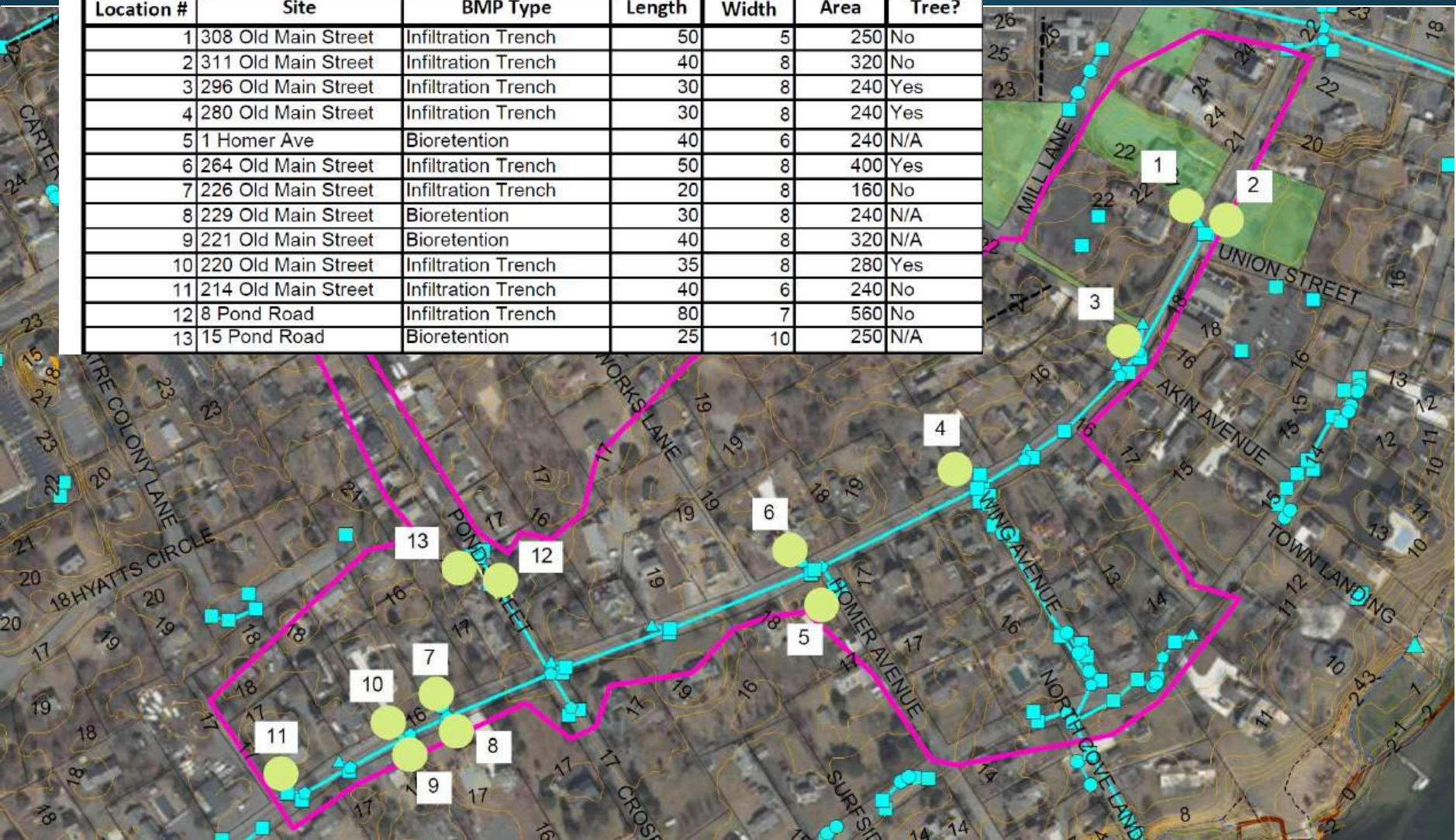
- Bass River
- DA = 25.8 ac/43% imp
- Mix of residential and commercial
- Location of upcoming sewer project
- High priority drainage area for bacteria and nitrogen pollutant loading



OM-1 Proposed Concept

OM-1 Old Main East

Location #	Site	BMP Type	Length	Width	Area	Tree?
1	308 Old Main Street	Infiltration Trench	50	5	250	No
2	311 Old Main Street	Infiltration Trench	40	8	320	No
3	296 Old Main Street	Infiltration Trench	30	8	240	Yes
4	280 Old Main Street	Infiltration Trench	30	8	240	Yes
5	1 Homer Ave	Bioretention	40	6	240	N/A
6	264 Old Main Street	Infiltration Trench	50	8	400	Yes
7	226 Old Main Street	Infiltration Trench	20	8	160	No
8	229 Old Main Street	Bioretention	30	8	240	N/A
9	221 Old Main Street	Bioretention	40	8	320	N/A
10	220 Old Main Street	Infiltration Trench	35	8	280	Yes
11	214 Old Main Street	Infiltration Trench	40	6	240	No
12	8 Pond Road	Infiltration Trench	80	7	560	No
13	15 Pond Road	Bioretention	25	10	250	N/A



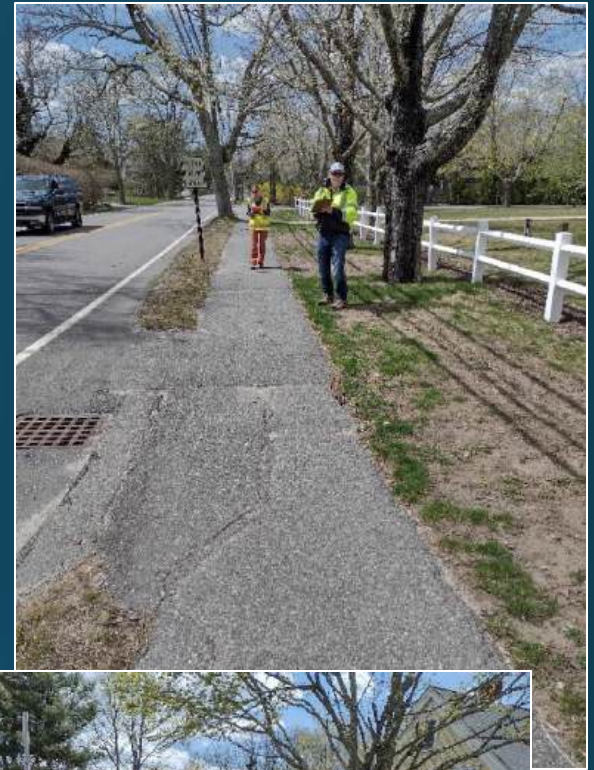
Tree Trench Example



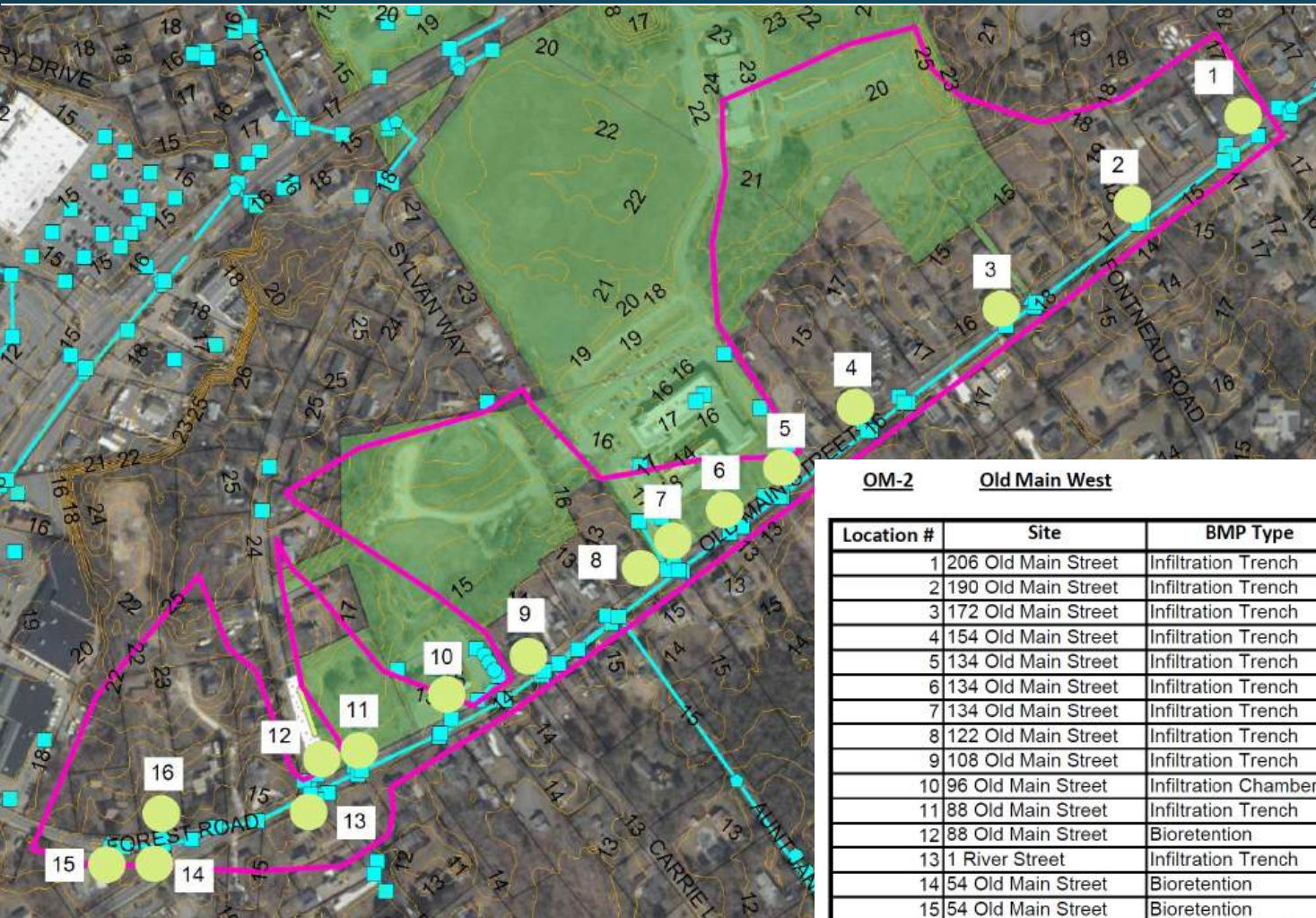
OM-2 Old Main (West)

Existing Conditions

- Bass River
- DA = 33 ac/27% imp
- Mix of residential and commercial
- Location of upcoming sewer project
- High priority drainage area for bacteria and nitrogen pollutant loading



OM-2 Proposed Concept



OM-2 **Old Main West**

Location #	Site	BMP Type	Length	Width	Area	Tree?
1	206 Old Main Street	Infiltration Trench	50	8	400	No
2	190 Old Main Street	Infiltration Trench	50	8	400	Yes
3	172 Old Main Street	Infiltration Trench	50	8	400	Yes
4	154 Old Main Street	Infiltration Trench	40	8	320	Yes
5	134 Old Main Street	Infiltration Trench	50	8	400	No
6	134 Old Main Street	Infiltration Trench	35	8	280	No
7	134 Old Main Street	Infiltration Trench	40	8	320	No
8	122 Old Main Street	Infiltration Trench	20	8	160	No
9	108 Old Main Street	Infiltration Trench	50	8	400	Yes
10	96 Old Main Street	Infiltration Chambers	70	50	3500	N/A
11	88 Old Main Street	Infiltration Trench	50	10	500	Yes
12	88 Old Main Street	Bioretention	30	20	600	N/A
13	1 River Street	Infiltration Trench	35	8	280	No
14	54 Old Main Street	Bioretention	50	7	350	N/A
15	54 Old Main Street	Bioretention	50	8	400	N/A
16	12 Forest Road	Infiltration Trench	50	10	500	No

OM-3 Homer Ave

Existing Conditions

- Bass River
- DA = 0.4 ac/40% imp
- Steep beach access
- Clogged leaching catch basin
- Additional parking along Rt 28



OM-7 Wood Rd

Existing Conditions

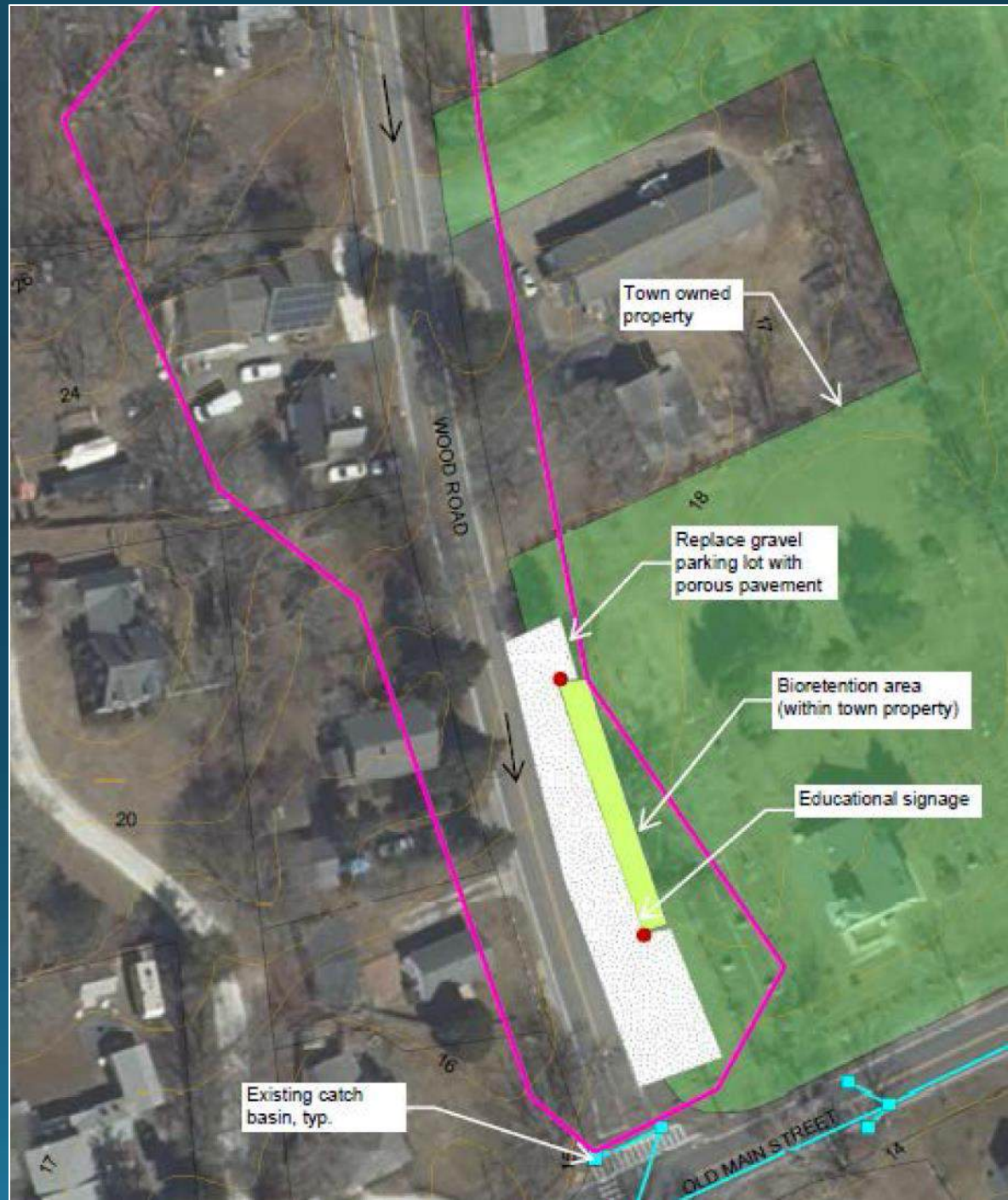
- Bass River
- DA = 1.7 ac/47% imp
- Town-owned parcel
- Gravel/dirt parking for cemetery
- Erosion gullies
- Area currently drains into Old Main drainage system (OM-2)
- High priority drainage area for bacteria and nitrogen pollutant loading



OM-7 Proposed Concept

Wood Road

- Porous Pavement or Pavers
- Bioretention
- Educational Signage
- No loss of parking



PR-3 Lake Rd West

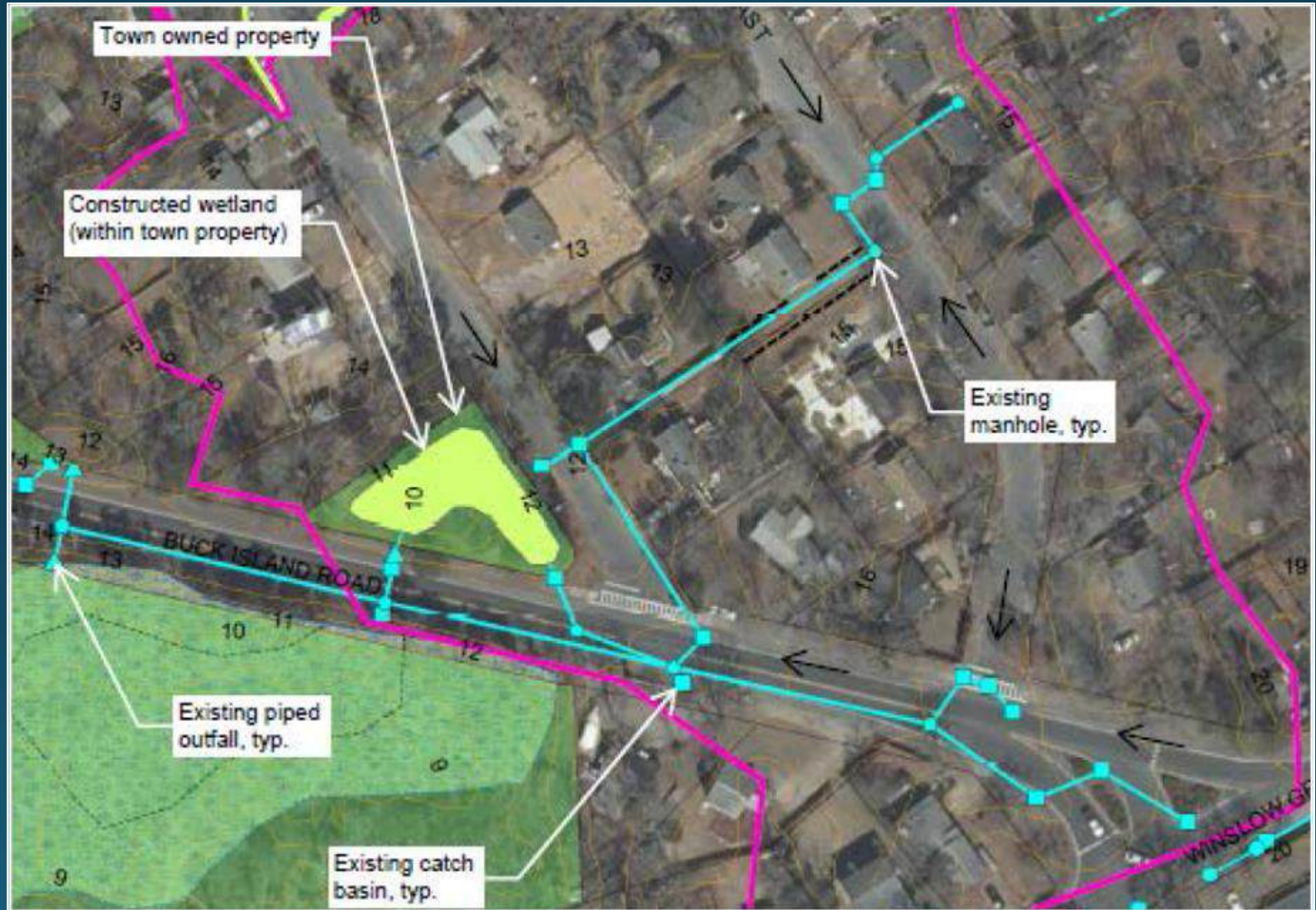
Existing Conditions

- Drains to wetlands/Parker River
- DA = 8 ac/33% imp
- Town-owned parcel
- High groundwater area
- Existing drainage channel
- Sediment/debris buildup
- High priority drainage area for bacteria and nitrogen pollutant loading



PR-3 Proposed Concept

Lake Road West Constructed Wetland



PR-4 Lake Rd Neighborhood

Existing Conditions

- Drains to wetlands/Parker River
- Upper portion of drainage area to PR-3
- DA = 1.45 ac/43% imp
- Excess pavement at intersection
- High priority drainage area for bacteria and nitrogen pollutant loading



PR-4 Proposed Concept

Lake Road Neighborhood

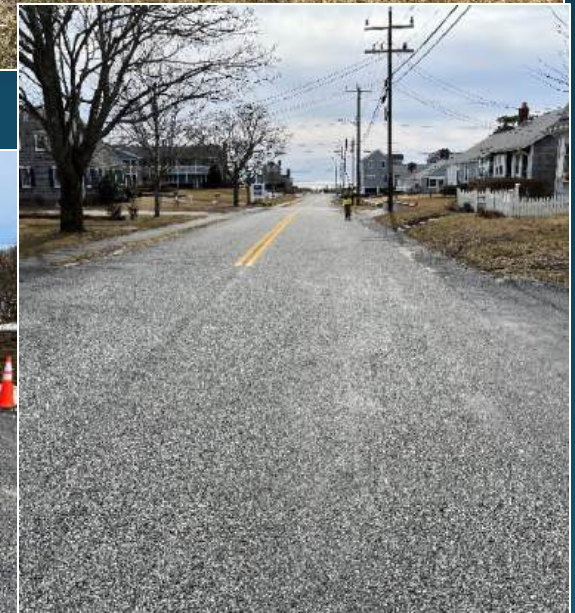
- Pavement Removal
- Bioretention areas in the ROW



MC-3 Standish

Existing Conditions

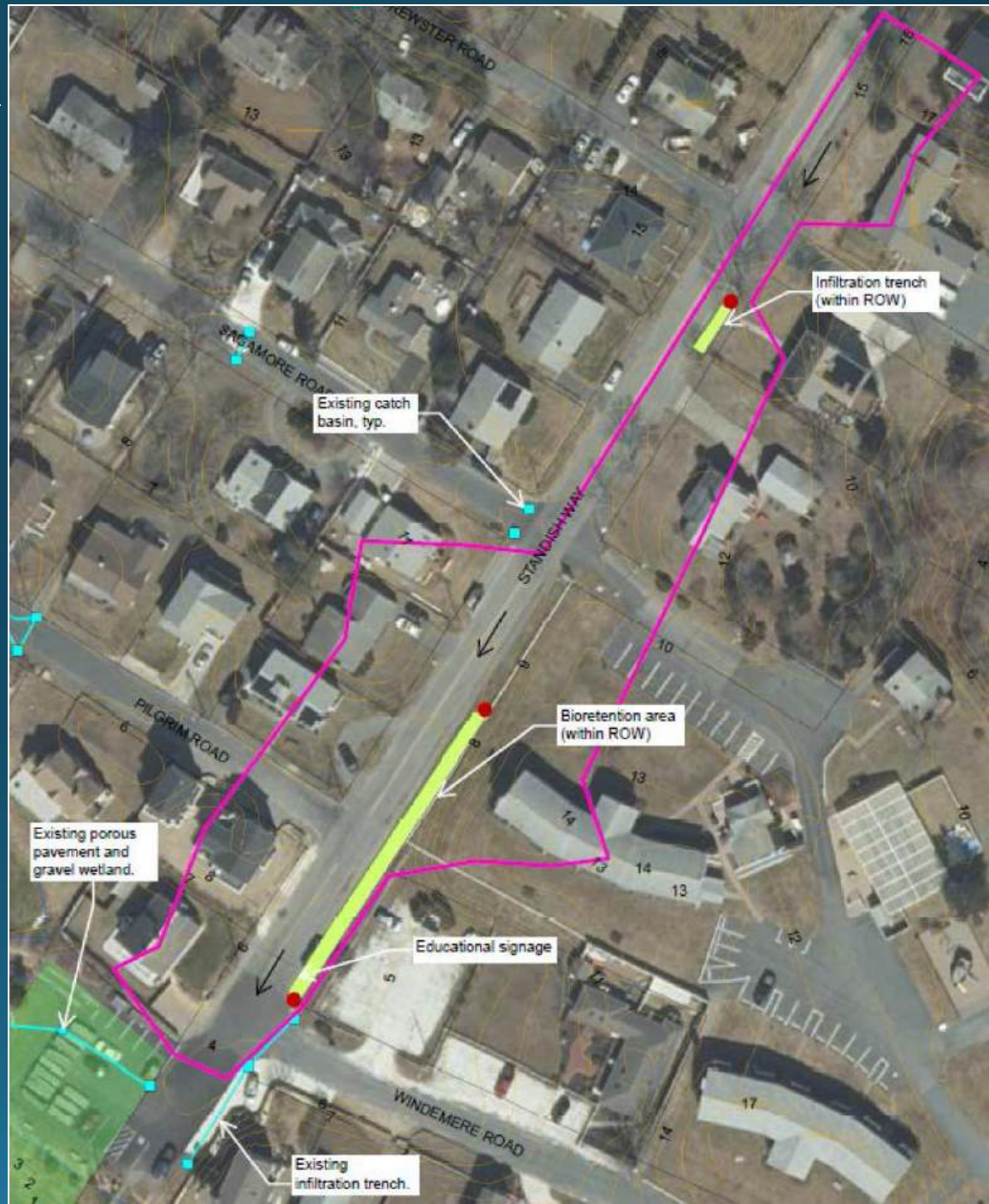
- Mill Creek
- DA = 1.53 ac/61% imp
- Area upgradient from porous parking lot
- Planned project to upgrade stormwater here



MC-3 Proposed Concept

Standish

- Tree trench and Bioretention swale
- Public Educational Signage



MC-5 Baker

Existing Conditions

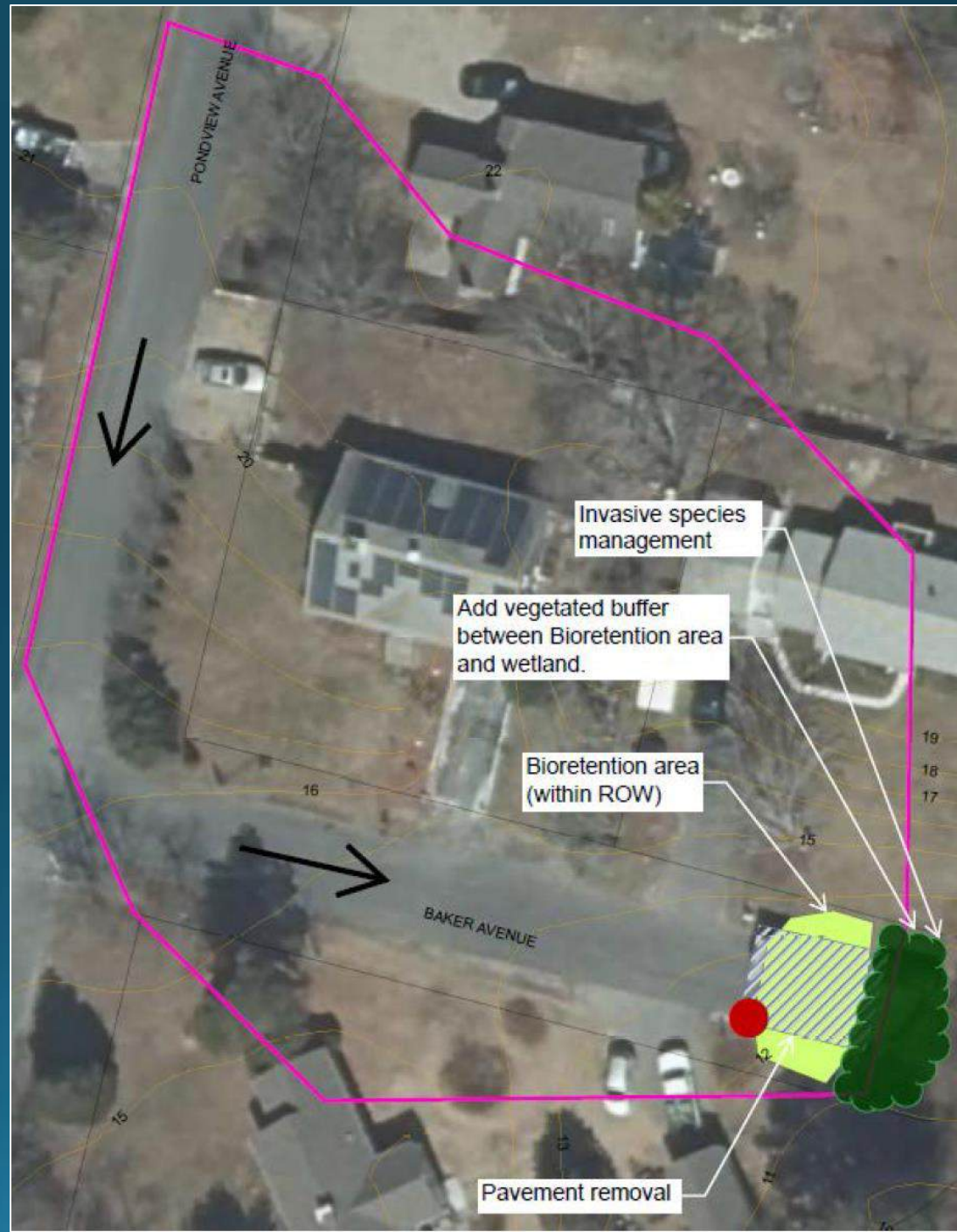
- Mill Pond
- DA = 0.75 ac/50% imp
- Road End in low-density residential neighborhood
- Sediment/debris buildup
- Invasive species in buffer to pond



MC-5 Proposed Concept

Baker

- Pavement removal
- Bioretention
- Invasive species management/buffer restoration
- Driveway access maintained



HHH-3 Grove St

Existing Conditions

- Hyannis Inner Harbor
- DA = 0.35 ac/66% imp
- Steep road/beach access
- Parking along side of road
- Erosion to beach



HHH-3 Proposed Concept

Grove Street

- Pavement removal
- Bioretention
- Vegetation Buffer
- Beach access maintained
- Educational signage

