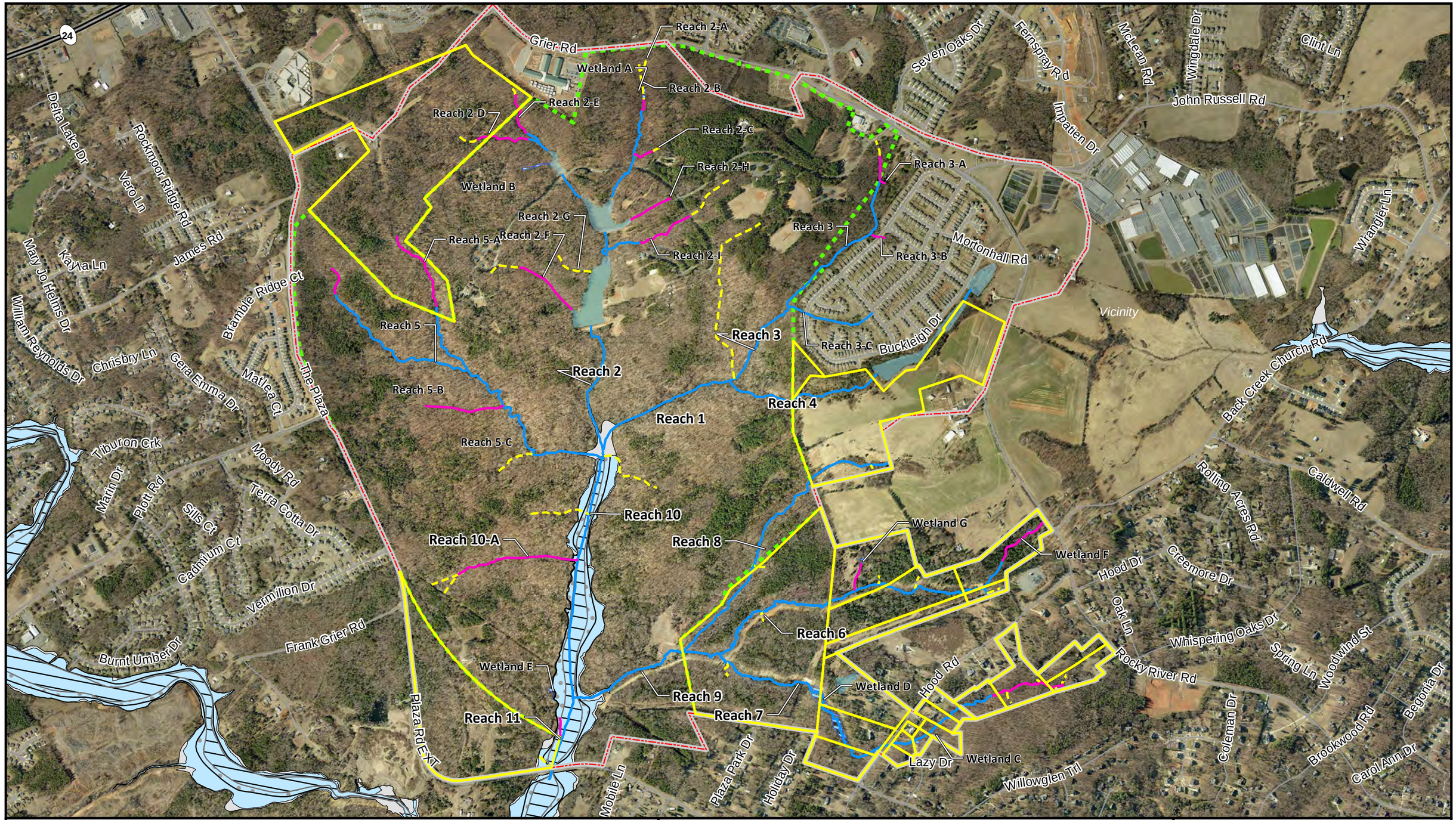


Title: Figure 4 - FEMA Flood Boundaries

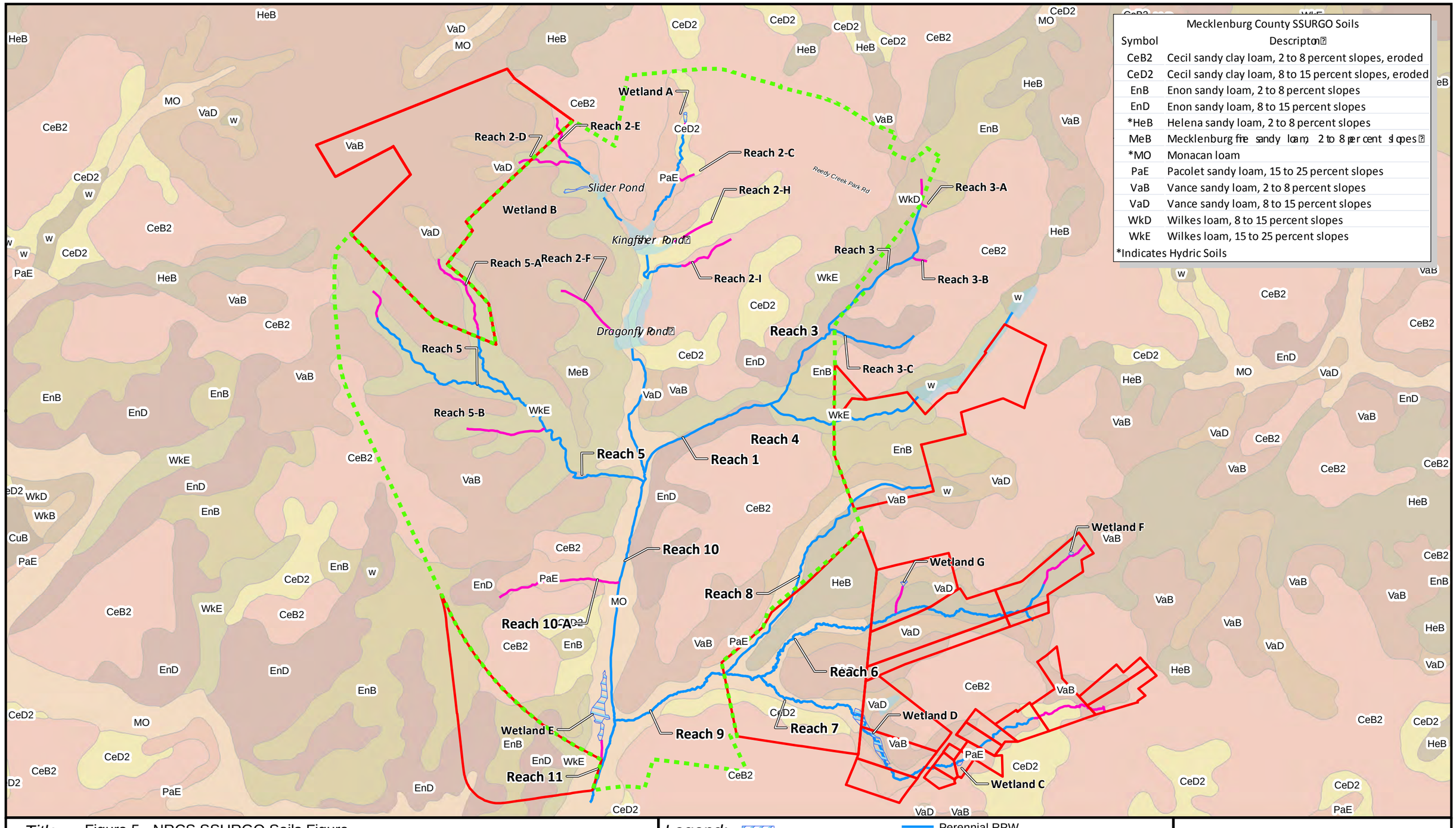
Kimley-Horn and Associates, Inc.

0 1,100 2,200
Feet

Legend:

- RDYCK_feas_study_area
- Meck. Co. Owned Parcels
- Wetlands
- Ponds
- FEMA Floodway
- Community Floodway
- Existing FEMA 1% Annual Chance Flood
- Future FEMA 1% Annual Chance Flood
- Reedy Creek Nature Preserve
- Perennial RPW
- Seasonal RPW
- Ephemeral

Charlotte-Mecklenburg STORM WATER Services



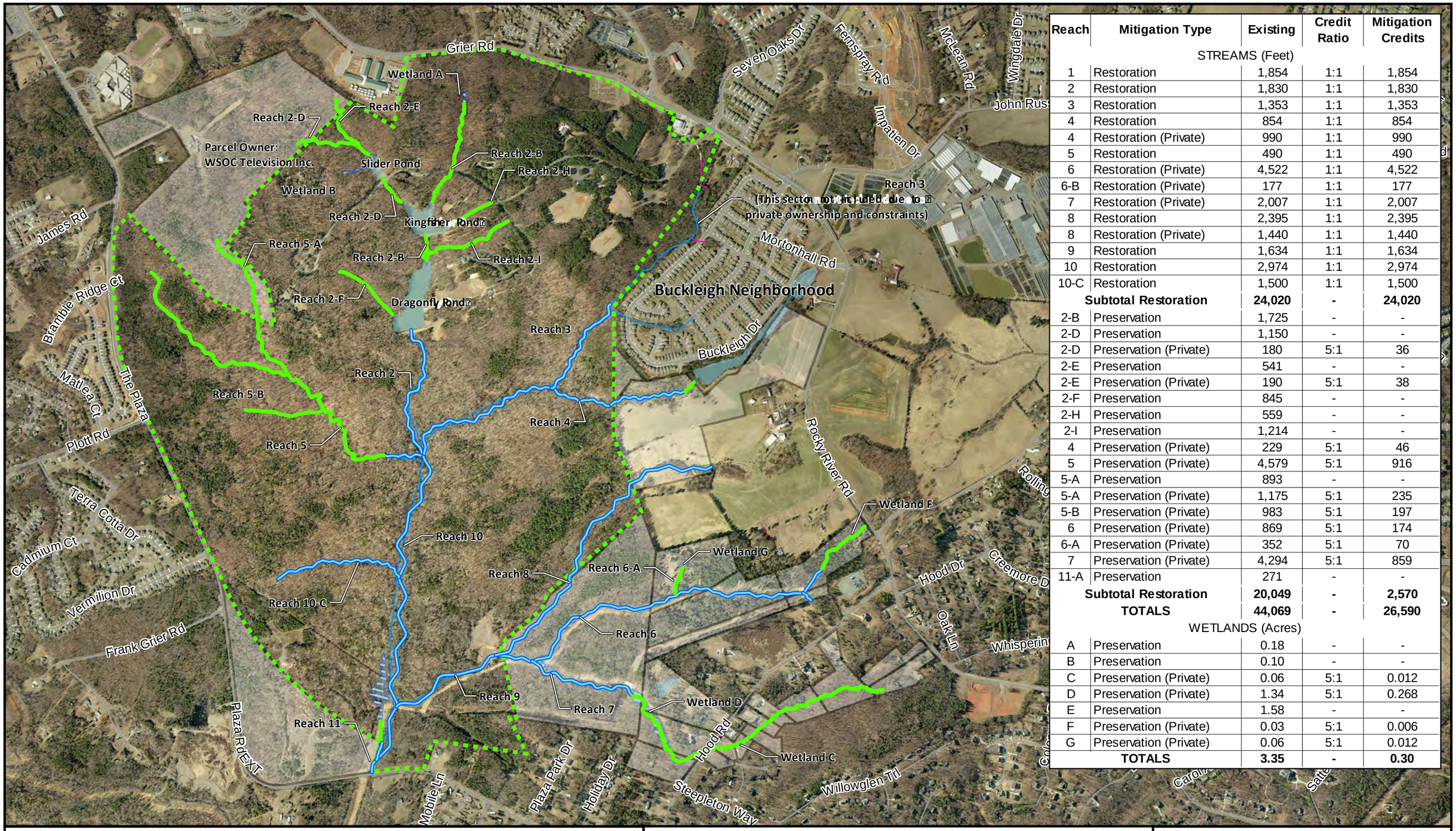
Title: Figure 5 - NRCS SSURGO Soils Figure

Kimley-Horn and Associates, Inc.

0 1,100 2,200
Feet

Legend:
- Wetlands
- Study Area
- Ponds
- Perennial RPW
- Seasonal RPW
- Ephemeral
- Reedy Creek Nature Preserve Forest

Charlotte-Mecklenburg STORM WATER Services



Reach	Mitigation Type	Existing	Credit Ratio	Mitigation Credits
STREAMS (Feet)				
1	Restoration	1,854	1:1	1,854
2	Restoration	1,830	1:1	1,830
3	Restoration	1,353	1:1	1,353
4	Restoration	854	1:1	854
4	Restoration (Private)	990	1:1	990
5	Restoration	490	1:1	490
6	Restoration (Private)	4,522	1:1	4,522
6-B	Restoration (Private)	177	1:1	177
7	Restoration (Private)	2,007	1:1	2,007
8	Restoration	2,395	1:1	2,395
8	Restoration (Private)	1,440	1:1	1,440
9	Restoration	1,634	1:1	1,634
10	Restoration	2,974	1:1	2,974
10-C	Restoration	1,500	1:1	1,500
Subtotal Restoration		**24,020**	**-**	**24,020**
2-B	Preservation	1,725	-	-
2-D	Preservation	1,150	-	-
2-D	Preservation (Private)	180	5:1	36
2-E	Preservation	541	-	-
2-E	Preservation (Private)	190	5:1	38
2-F	Preservation	845	-	-
2-H	Preservation	559	-	-
2-I	Preservation	1,214	-	-
4	Preservation (Private)	229	5:1	46
5	Preservation (Private)	4,579	5:1	916
5-A	Preservation	893	-	-
5-A	Preservation (Private)	1,175	5:1	235
5-B	Preservation (Private)	983	5:1	197
6	Preservation (Private)	869	5:1	174
6-A	Preservation (Private)	352	5:1	70
7	Preservation (Private)	4,294	5:1	859
11-A	Preservation	271	-	-
Subtotal Restoration		**20,049**	**-**	**2,570**
TOTALS		**44,069**	**-**	**26,590**
WETLANDS (Acres)				
A	Preservation	0.18	-	-
B	Preservation	0.10	-	-
C	Preservation (Private)	0.06	5:1	0.012
D	Preservation (Private)	1.34	5:1	0.268
E	Preservation	1.58	-	-
F	Preservation (Private)	0.03	5:1	0.006
G	Preservation (Private)	0.06	5:1	0.012
TOTALS		**3.35**	**-**	**0.30**

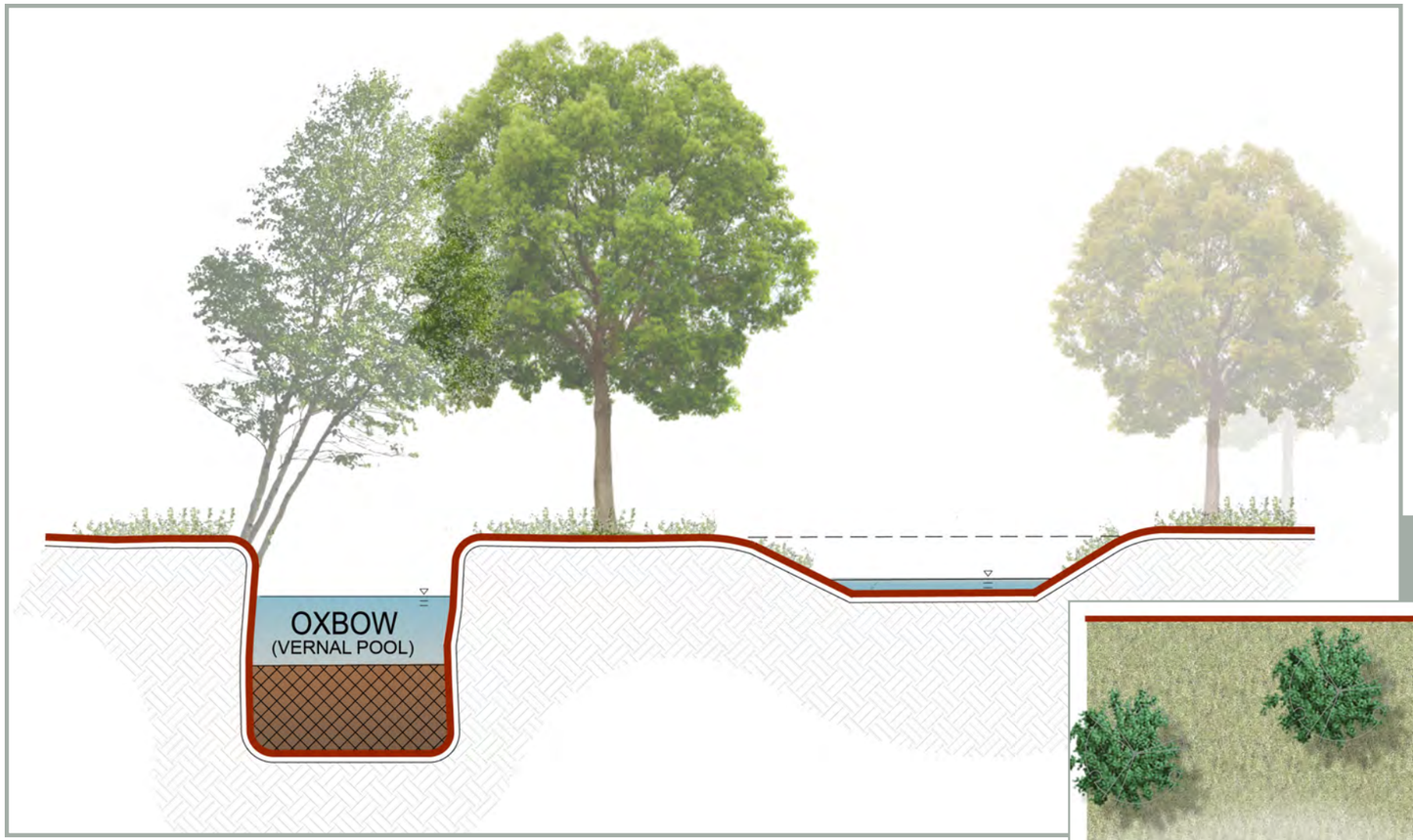
Title: Figure 6 - Conceptual Mitigation (Rosgen Priority 1)

Kimley-Horn and Associates, Inc.

0 1,100 2,200
Feet

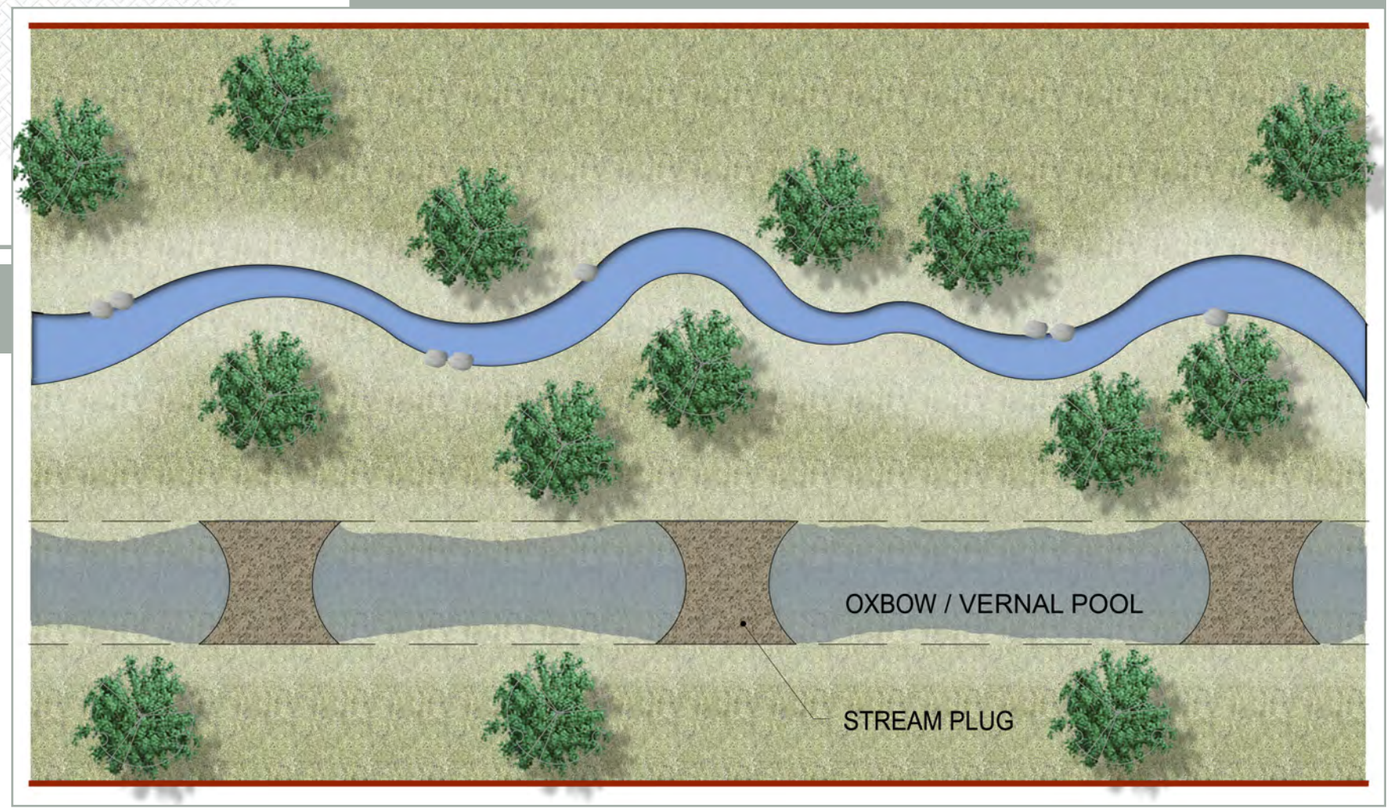
Legend:
- Alternative #1 - Conceptual Stream Centerline
- Stream Preservation
- Perennial RPW
- Seasonal RPW
- Ephemeral
- Reedy Creek Nature Preserve
- Other Parcels
- Ponds/Impounded Areas
- Wetland Preservation Areas

Charlotte-Mecklenburg STORM WATER Services



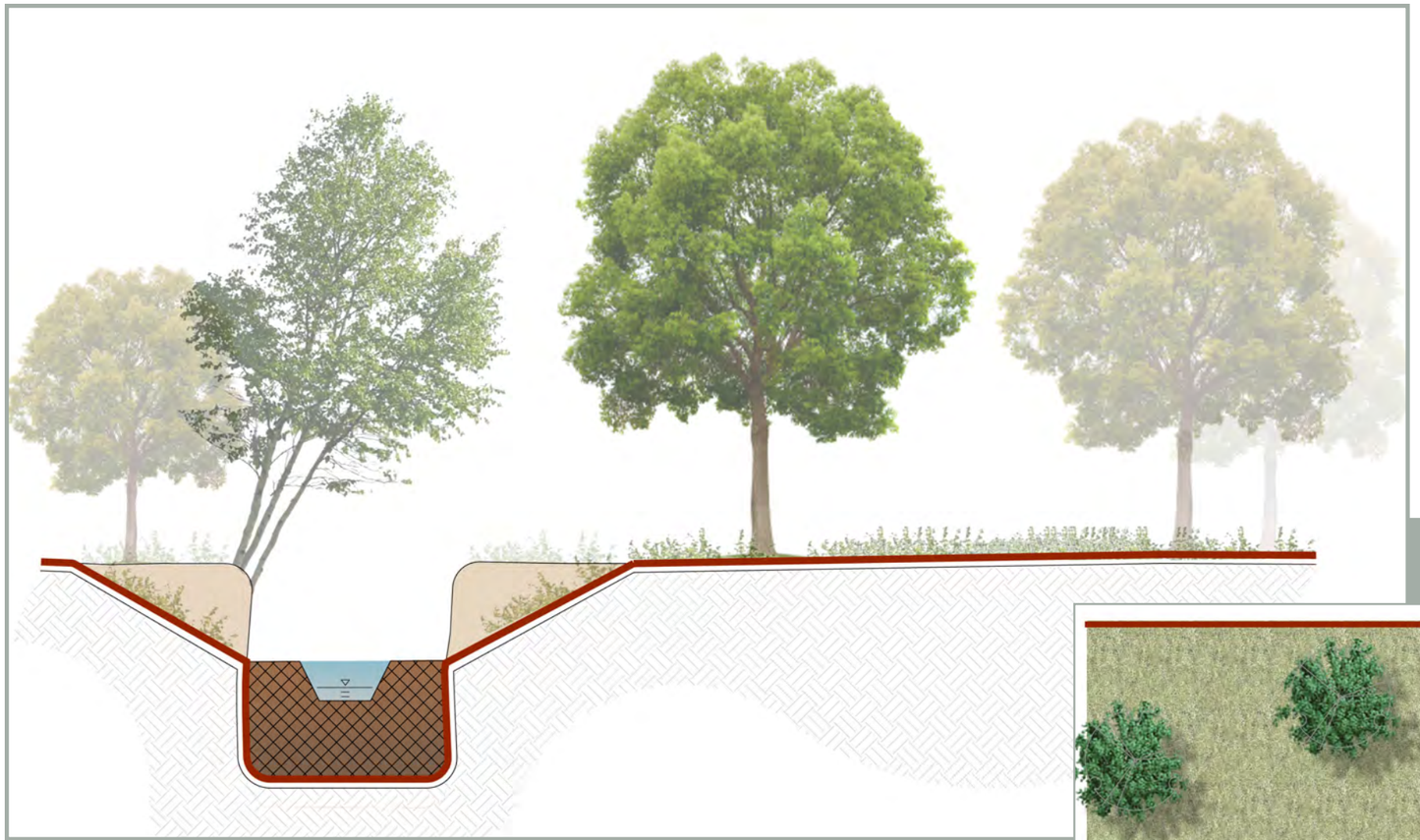
Typical Section

Plan View



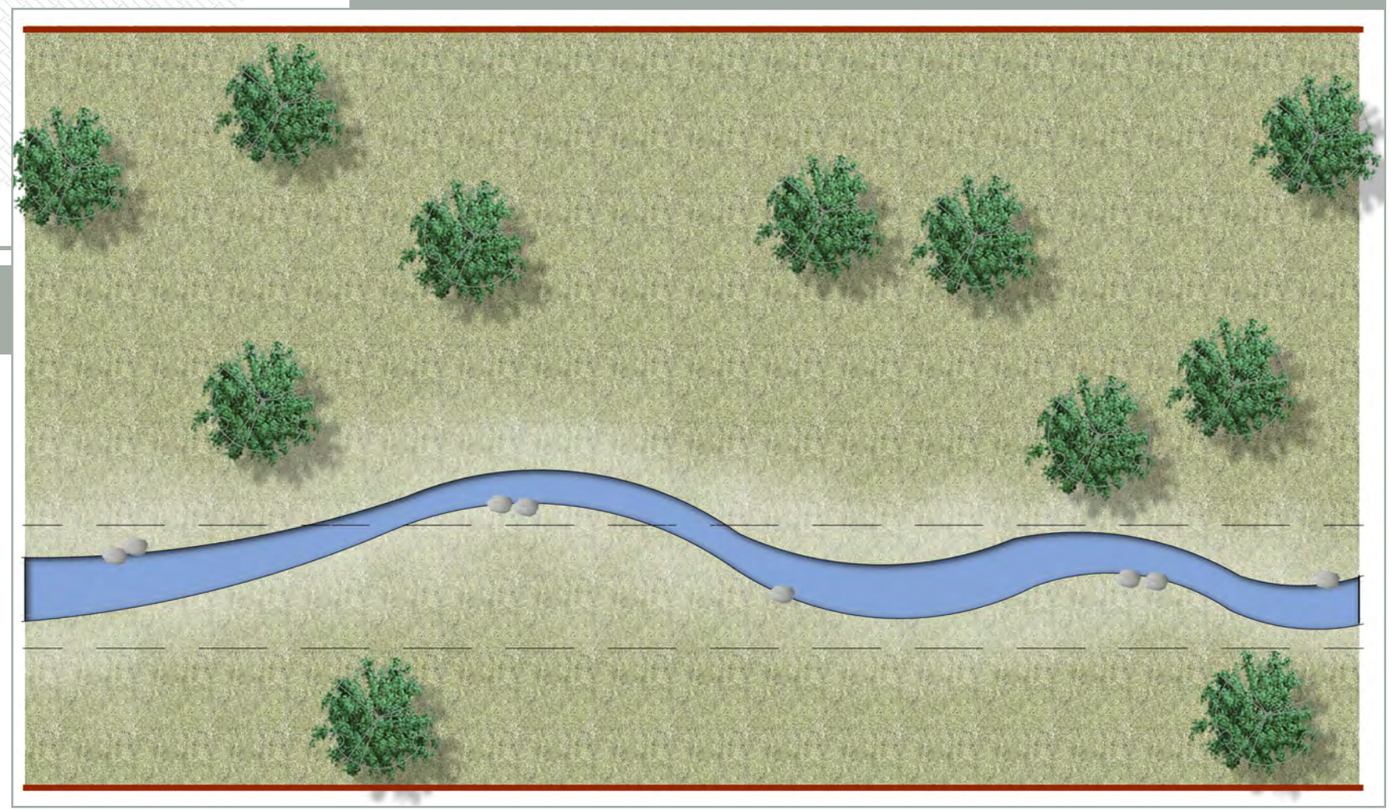
CONCEPT APPROACH 1 - FIGURE 7a

NTS



Typical Section

Plan View



CONCEPT APPROACH 2 - FIGURE 7b

NTS