

BACKGROUND

- Greenwood Park was established when the Town was created in 1923, and is shown on the oldest original maps and plats as public space.
- As development increased the density of the watershed, impacts to the stream became more severe leading to attempted stabilization projects over the years.
- First record of formal stream repairs occurred in 1992.



EXISTING STREAM CONDITIONS PRIOR TO 1991















STREAM REPAIRS 1991-1992

- ADDITION OF STORMWATER DRAINAGE SYSTEM
- DEMOLITION AND RECONSTRUCTION OF WATER LINE STREAM CROSSING
- STREAMBANK STABILIZATION USING GABION BASKETS AND RIP RAP



























FAST FORWARD 30 YEARS...

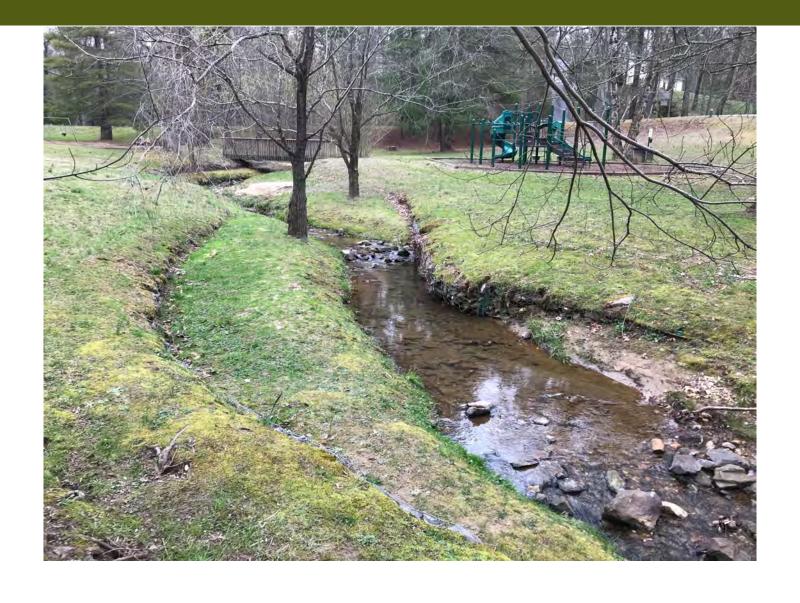






GABION BASKET FAILURE





DEGRADED STREAM CHANNEL



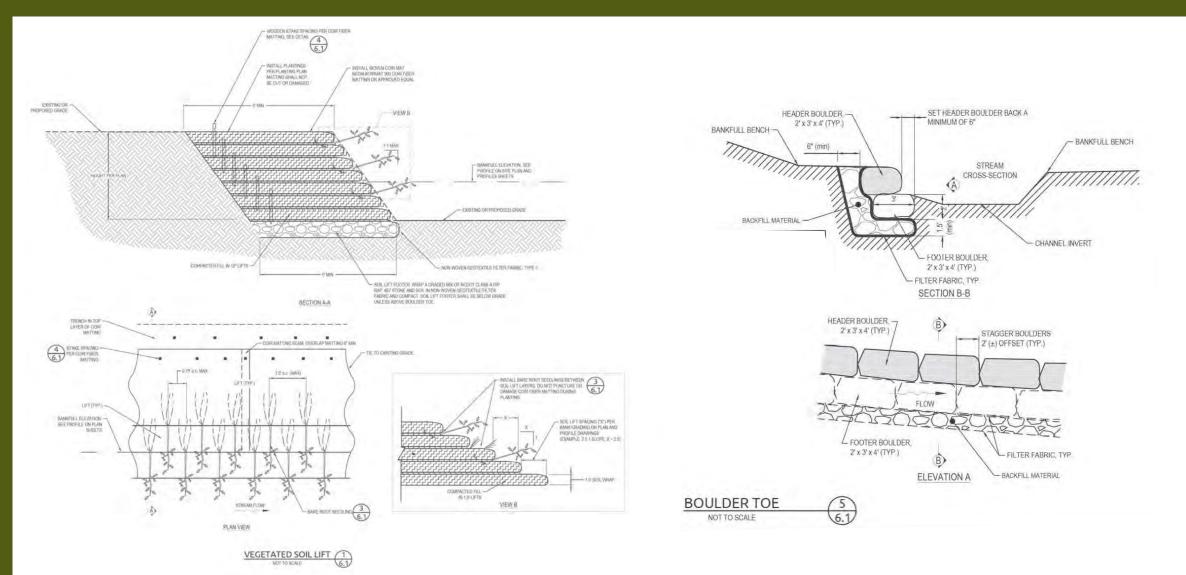
STREAM RESTORATION - 2022

- REMOVE EXISTING GABION BASKETS AND RIP RAP
- ADJUST HORIZONTAL ALIGNMENT OF CREEK TO CREATE STABLE CONDITION
- INSTALL IN-STREAM STRUCTURES TO HELP DIRECT WATER FLOW IN THE CREEK
- USE BIO-ENGINEERING TECHNIQUES TO STABILIZE STREAM BANK
- INSTALL GRAVEL WETLANDS TO MITIGATE STORMWATER
 POLLUTION









SLOPE STABILIZATION

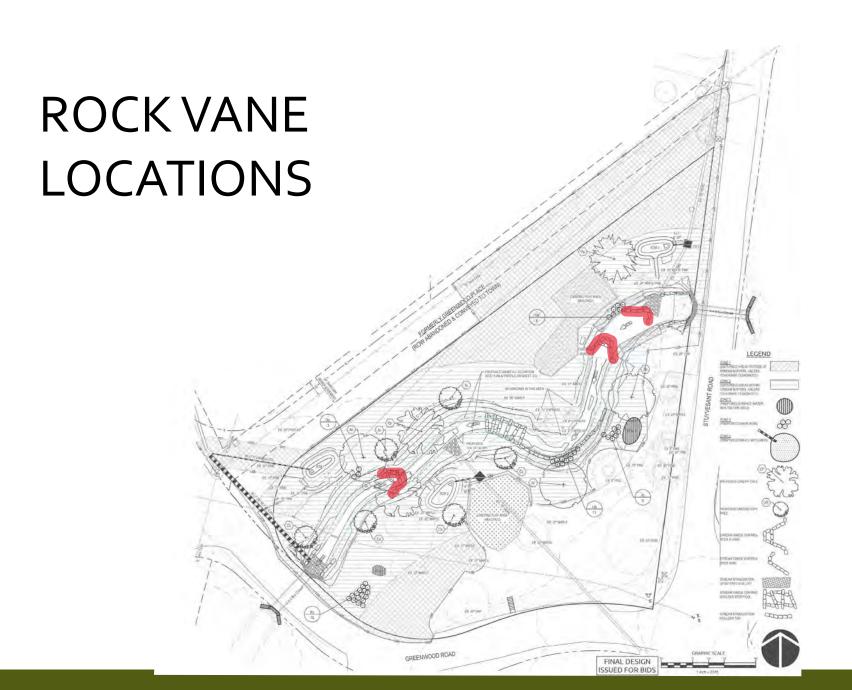




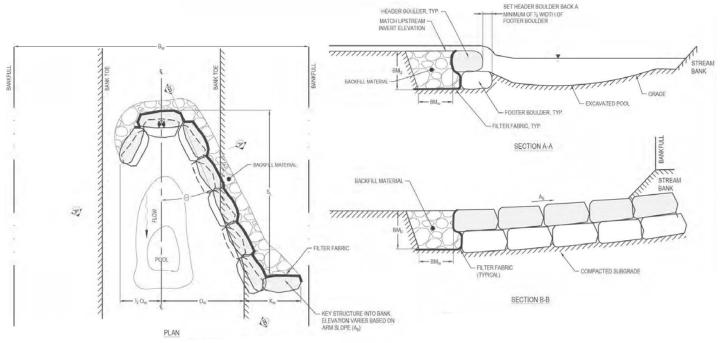


BOULDER TOE AND GEOLIFT

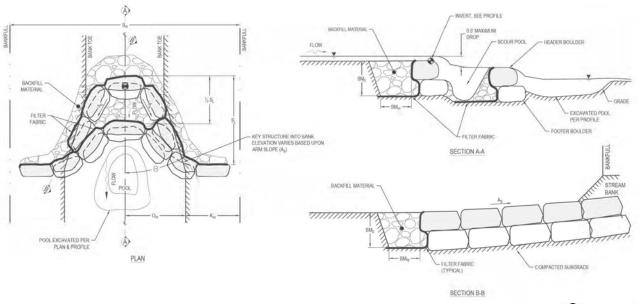


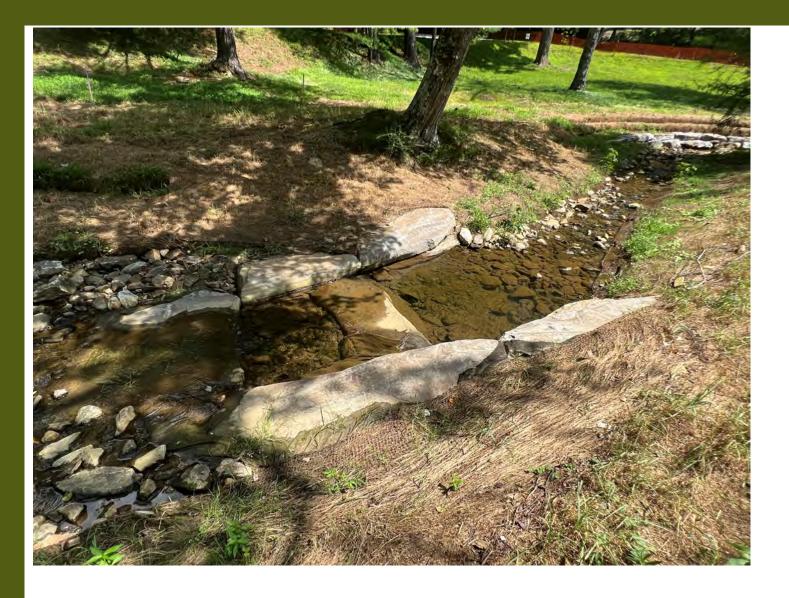






ROCK VANES



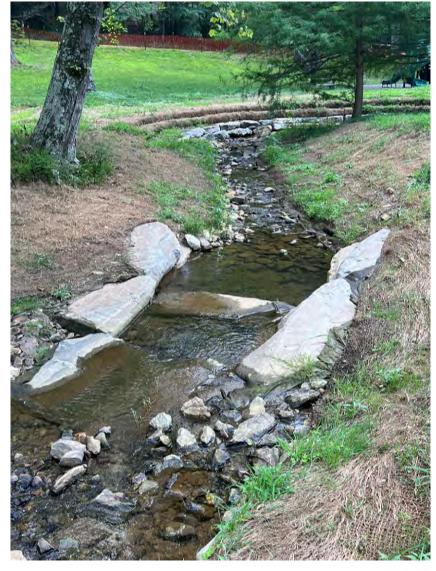






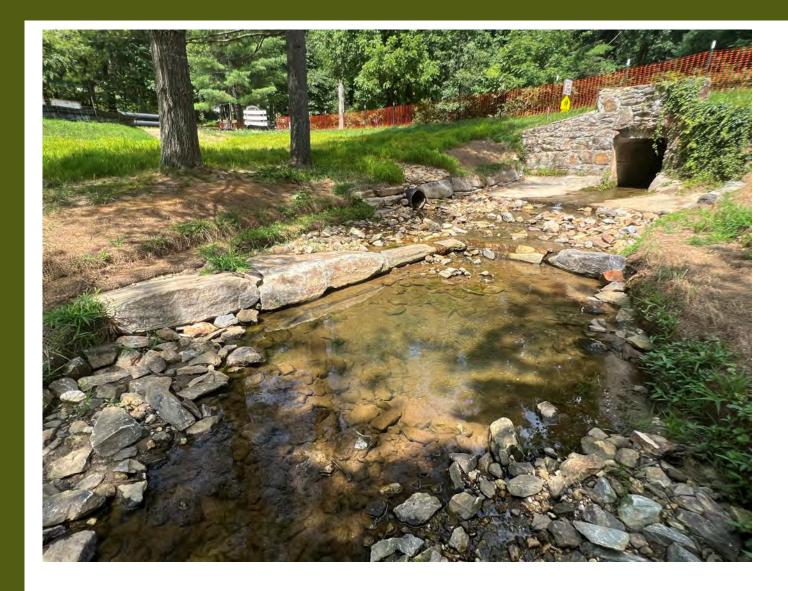


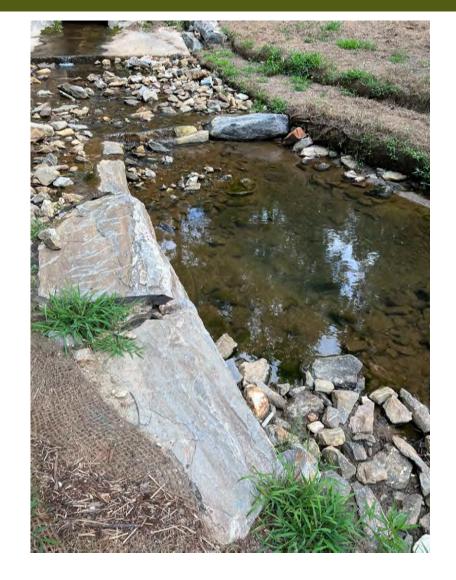




ROCK VANE - 'A' TYPE

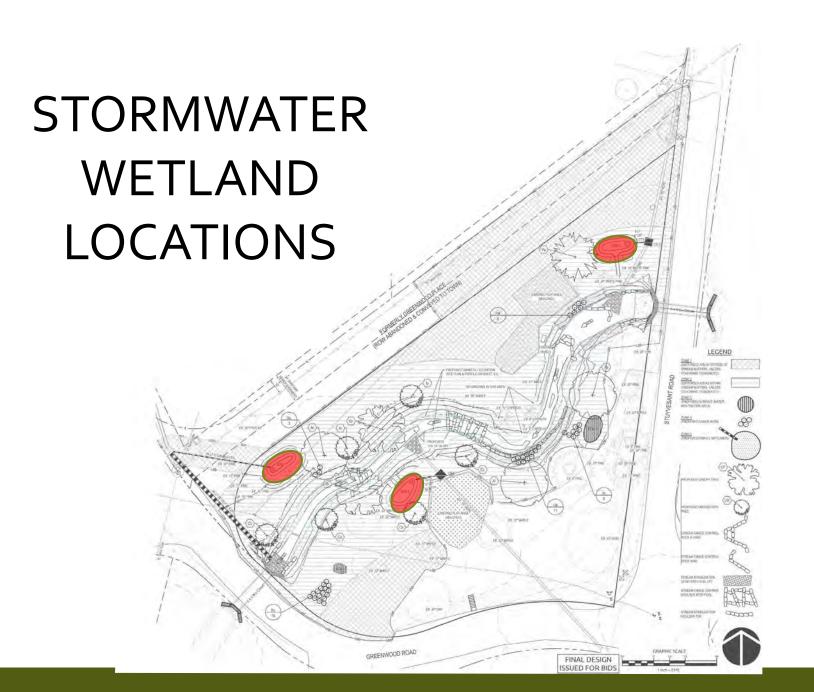








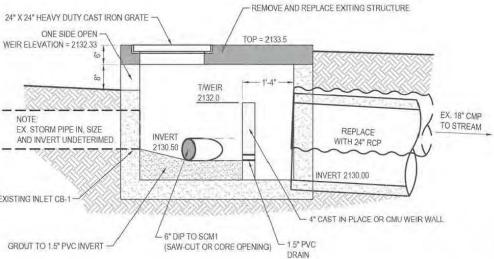






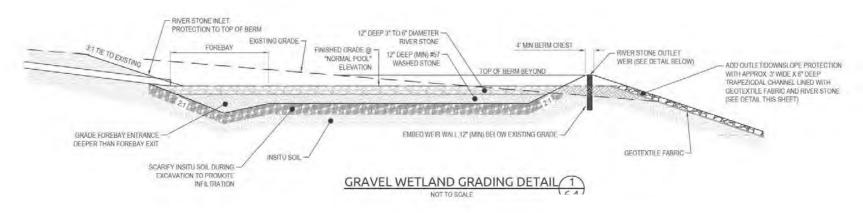
Plan View

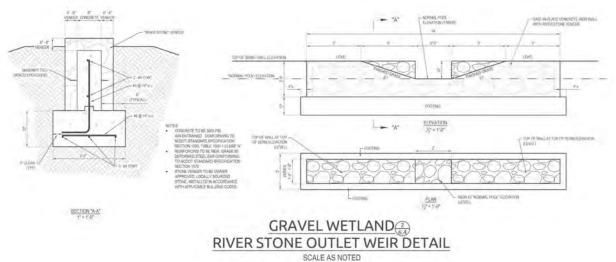
INLET CONTROL STRUCTURE



STORMWATER WETLAND







STORMWATER WETLAND DETAILS







STORMWATER WETLAND



BEFORE AND AFTER











NEXT STEPS

- PROVIDE ACCESSIBILITY FOR HANDICAPPED AND ELDERLY USERS
- REVISE PLAY EQUIPMENT ON NORTH SIDE OF STREAM
- CONSTRUCT ADDITIONAL PARKING FOR USERS
- INSTALL SMALL COVERED PAVILION
- CONSTRUCT PEDESTRIAN BRIDGE ACROSS STREAM
- INSTALL NEW PARK AMMENITIES I.E. BENCHES, TRASH CAN, (PICNIC) TABLE, DOG WASTE STATION THAT WILL SET STANDARD FOR FUTURE PARK IMPROVEMENT IN TOWN