



Doubs Meadow Park

ARRO provides a three-stage park design in Maryland.

Background

The Town of Myersville foresaw a need to design a new park for the enjoyment of its citizens. The vision called for the design of a 24-acre municipal park located within the floodplain of Little Catoctin and Middle creeks. The amenities would include a soccer field, baseball diamonds, bleachers, picnic area, pavilion, tot lot and 120-vehicle parking lot.

Challenges

To efficiently proceed and to meet stormwater regulations, ARRO developed hydrologic and hydraulic models of the 34-square mile watershed and utilized an HEC-1 computer program to calibrate peak flows for various storm events.

They also utilized HEC-RAS to develop existing and proposed 100-year floodplains and a 100-year floodway for the proposed 24-acre park at the confluence of Little Catoctin and Middle creeks.

The Solution

ARRO proceeded with the new park in three phases.

The improvements for Phase I consisted of:

- A new entrance to the park
- State Route 17 grading, storm drainage, paving and pavement markings for widening
- Grading, storm drainage and gravel for 100 parking spaces
- Mass grading of ball fields
- Sediment and erosion control
- Seeding and mulching disturbed areas

PROJECT:

The new Doubs Meadow Park

CHALLENGE:

Build an efficiently themed and executed 24-acre municipal park that will serve a diversity of recreational options. Accommodate the parking needs as well.

SOLUTION:

ARRO implemented a three-phase plan that started from the ground up and included stormwater and wastewater solutions, as well as environmental considerations in this floodplain.



The improvements for Phase 2A consisted of:

- Paving the basketball court, walk/bike path
- Installing 40 linear feet of CMPA culvert
- Installing four baseball field bleacher pads
- Hot mix asphalt parking lot paving
- Signage, markings and related work

The improvements for Phase 2B consisted of constructing a new pavilion, furnishing and installing site lighting, minor grading, seeding and mulching disturbed areas, and related work.

The Results

The entire three-phase plan was executed successfully. The big winners were the kids who received a big boost from the Wolfsville-Myersville Athletic Association. They were involved from the beginning, and with the additional cooperation of the town and ARRO, the Doubs Meadow Park is now a treasured community jewel. In addition, the stormwater management solution resulted in a beautiful wetlands that complements the shared space of the park.



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