



Crabtree, Rohrbaugh & Associates

**PEQUEA VALLEY
SCHOOL DISTRICT
BOARD MEETING**

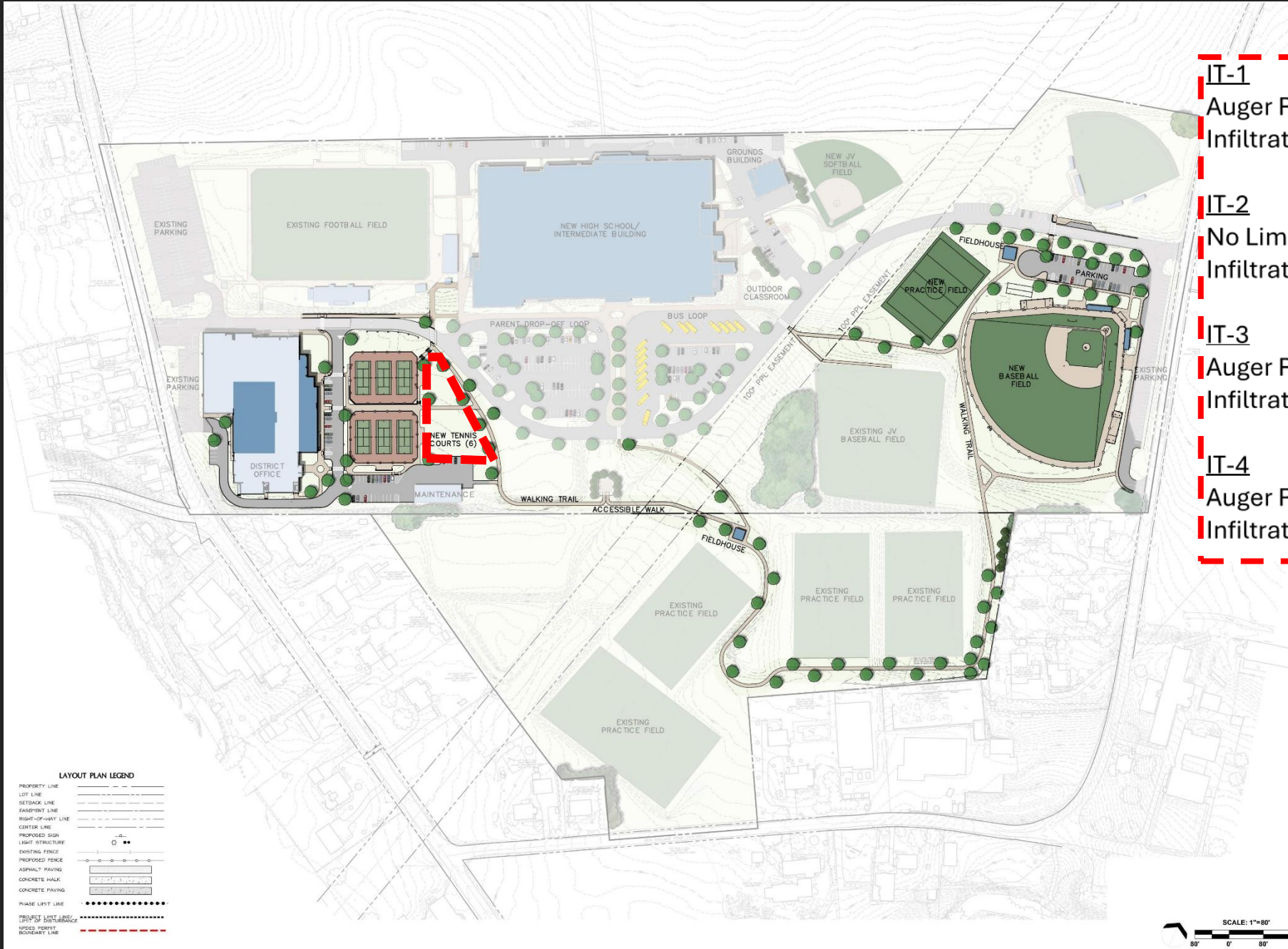
May 6, 2025

- **PROGRESS UPDATE / MEETINGS**
- **SOILS / INFILTRATION TESTING**
- **SCHEDULE**

AGENDA

- **BI-WEEKLY DESIGN MEETINGS**
 - **4/3/2025: MECHANICAL / ELECTRICAL / TECHNOLOGY / PLUMBING COORDINATION**
 - **4/17/2025: ATHLETICS COORDINATION**
 - **5/15/2025: DISTRICT OFFICE INTERIOR DESIGN COORDINATION**
 - **5/15/2025: PENN MEDICINE INTERIOR DESIGN COORDINATION**
 - **5/29/2025: GENERAL DESIGN UPDATE / 3D EXTERIOR MASSING**
- **CONSULTANT COORDINATION MEETINGS BI-WEEKLY**
- **PROGRESS DESIGN DEVELOPMENT DOCUMENTS**

SITE PLAN / INFILTRATION RESULTS



IT-1

Auger Refusal Encountered at 4.0 Feet
Infiltration Test At 2.0 Feet – 0.0 inches per hour

IT-2

No Limiting Zone Encountered at 8.5 Feet
Infiltration Test At 6.5 Feet – 0.0 inches per hour

IT-3

Auger Refusal Encountered at 8.5 Feet
Infiltration Test At 6.5 Feet – 0.0 inches per hour

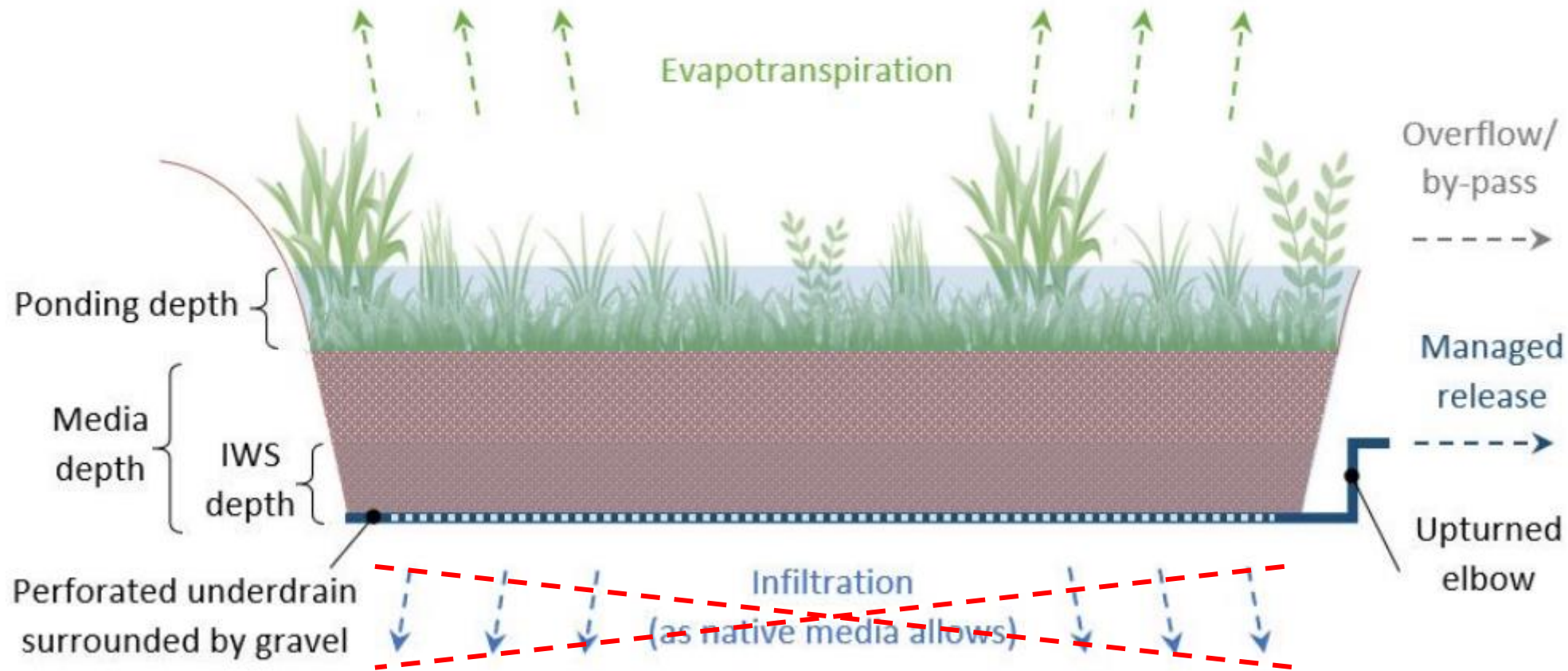
IT-4

Auger Refusal Encountered at 6.0 Feet
Infiltration Test At 4.0 Feet – 0.0 inches per hour

**INFEASIBLE TO MEET
REGULATORY
REQUIREMENTS FOR
INFILTRATION**

MANAGED RELEASE CONCEPT

Figure 1: Managed Release Concept with Internal Water Storage (IWS) and Upturned Elbow for a Vegetated SCM



- RAIN GARDEN
- VEGETATION
- UNDERGROUND WATER STORAGE
- DESIGNED PONDING DEPTH & OVERFLOW BY-PASS
- UPTURNED ELBOW TO INTERNAL WATER STORAGE DEPTH (IWS)
- MAINTENANCE IS SIMILAR TO INFILTRATION BED
- COMPARABLE IN PRICE
- ADDITIONAL DESIGN / ENGINEERING COST

GEOTECHNICAL ENGINEER MAY REQUIRE AN IMPERVIOUS LINER TO PREVENT SEEPAGE IF BEDROCK / KARST / SINKHOLES ARE SUSPECTED (ADDED EXPENSE)

**NEW
CONSTRUCTION**

RENOVATION



REFINE ATHLETIC PROGRAM

LAND APPROVALS

Design Development plans	Sept – Ongoing
NPDES Renewal NOI Application for current permit	November 2024 - Completed
Geotechnical / Soil Infiltration Testing	March 6, 2025
Soil Infiltration Test Results	April 18, 2025
File Stormwater Mgt. Plans Twp. Engineer Review	May 26, 2025
Pre-application meeting with Conservation District	May 26, 2025
*Conservation District NPDES Submission	June 10, 2025 (+/-)
Township Engineering Approval	October 2025
Revised Financial Security (Phase 2)	November 2025
Conservation District Approval (6 months)	December 2025
Recording of Plans	December 2025

* Major Modification of NPDES permit needed to cover revisions. With MRC stormwater strategy, County Conservation may send plans onto PA DEP for further review – estimating total of six months for review.

** *Soil testing yielded 0 infiltration rates, and shallow rock – recommending MRC strategy for stormwater east of Tennis Courts. May require additional PA DEP review. Timeline for additional review is yet to be determined.*

DECISION MAKING TIMELINE

PEQUEA VALLEY SCHOOL DISTRICT

PRELIMINARY TIMELINE

5/5/2025

[illegible]



Pequea Valley School District

Where Each Learner Counts



Crabtree, Rohrbaugh & Associates

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