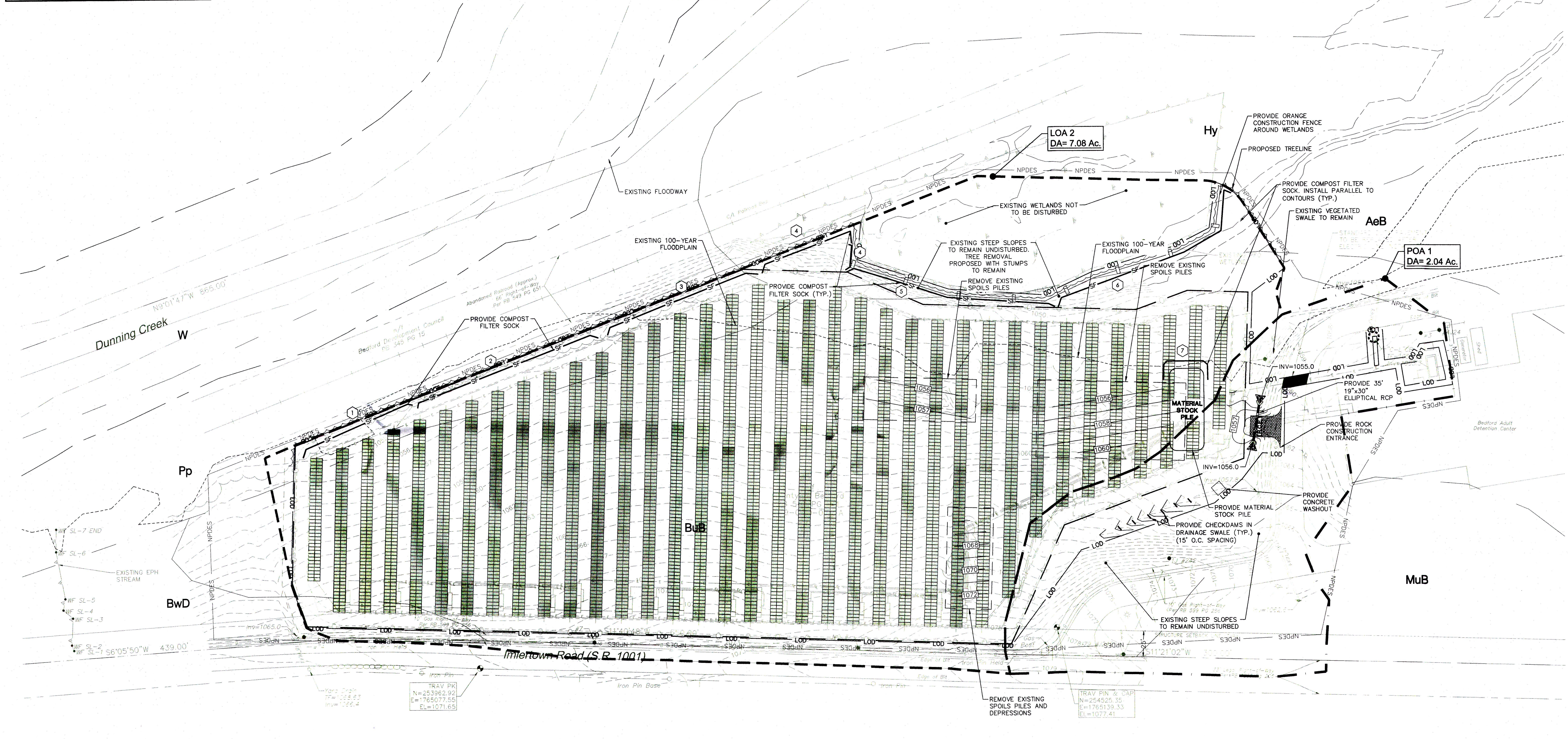


**LEGEND**

- PROPERTY LINE
- FIELD PERIMETER
- EDGE OF SERVICE DRIVE (SLE)
- 6' HIGH CHAIN LINK FENCE
- EXISTING GRADES
- PROPOSED 1' GRADES
- PROPOSED 5' GRADES
- UNDERGROUND ELECTRIC CONDUIT
- PROPOSED TREELINE
- SOIL BOUNDARY
- SOIL LABELS
- 100 YEAR FLOODPLAIN
- CULVERT DRAINAGE AREA LIMITS
- PRE-/POST DRAINAGE AREA LIMITS

**UIB**



**SOILS**

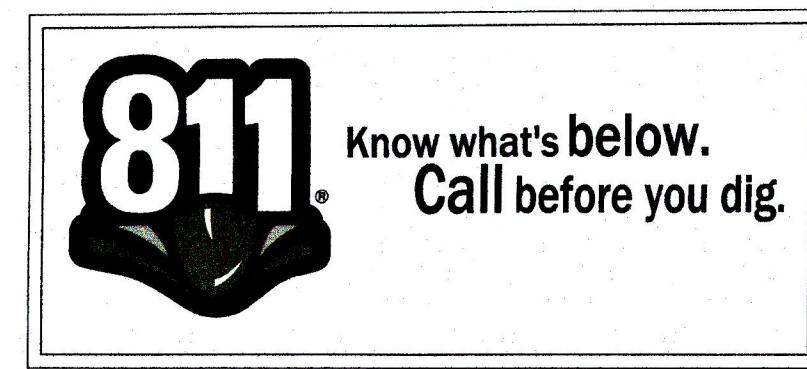
- AeB** ALLEGHENY LOAM, 3 TO 8 PERCENT SLOPES
- Aw** ATKINS SILT LOAM
- BuB** BUCHANAN COBBLY LOAM, 3 TO 8 PERCENT SLOPES
- BwD** BUCHANAN COBBLY LOAM LOAM, 15 TO 25 PERCENT SLOPES, EXTREMELY STONY
- Hy** HOLLY SILT LOAM
- MuB** MURRILL CHANNERY LOAM, 3 TO 8 PERCENT SLOPES
- Pp** POPE FINE SANDY LOAM
- W** WATER

**OPERATIONS AND MAINTENANCE PROGRAM PERMANENT STORMWATER FACILITIES**

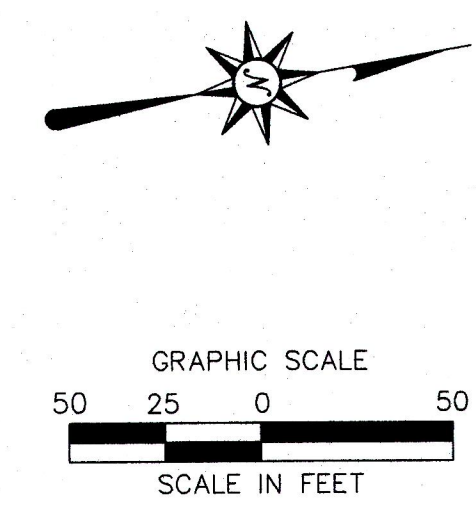
THE PERMIT APPLICANT SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF PERMANENT STORMWATER FACILITIES LOCATED ON THE SUBJECT PROPERTIES. PERMANENT MAINTENANCE OF THE STORM SYSTEM AFTER ACCEPTANCE WILL PRIMARILY CONSIST OF ROUTINE CLEANING OF ACCUMULATED SEDIMENT AND DEBRIS BY FACILITY STAFF OR PRIVATE CONTRACTORS. THE SPECIFIC MAINTENANCE STEPS AND SCHEDULE ARE LISTED BELOW

1. **VEGETATED SWALES**  
ALL SWALES MUST BE KEPT FREE OF OBSTRUCTION SUCH AS FILL, FALLEN LEAVES & WOODY DEBRIS, ACCUMULATED SEDIMENT, AND CONSTRUCTION MATERIAL/WASTE. SWALES SHALL BE KEPT MOWED AND/OR FREE OF ALL WEEDY, BRUSHY OR WOODY GROWTH. ANY UNDERGROUND UTILITIES RUNNING ACROSS/THROUGH THE SWALE(S) SHALL BE IMMEDIATELY BACKFILLED AND THE SWALE(S) REPAIRED AND STABILIZED PER THE SWALE CROSS SECTION DETAIL. ANY DISTURBANCE TO THE SWALES SHALL BE IMMEDIATELY REPAIRED AND STABILIZED PER THE SWALE CROSS SECTION DETAIL.
2. **CHECK DAMS**  
ALL CHECK DAMS MUST BE KEPT FREE OF OBSTRUCTION SUCH AS FILL, FALLEN LEAVES & WOODY DEBRIS, ACCUMULATED SEDIMENT, AND CONSTRUCTION MATERIAL/WASTE. CHECK DAMS SHALL BE INSPECTED FOR EROSION OF SLOPES AND SEDIMENT. ANY DISTURBANCE TO THE CHECK DAMS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED PER THE CHECK DAM DETAIL.
3. **CULVERT**  
THE CULVERT UNDER THE GRAVEL ROAD SHALL BE VISUALLY INSPECTED AT LEAST TWICE PER YEAR AND HAVE ANY SILT OR DEBRIS REMOVED THAT MIGHT OBSTRUCT FLOW OF WATER THROUGH THE STRUCTURE. IT SHALL BE ASSUMED THAT THE FLOW OF WATER IS OBSTRUCTED WHEN THERE HAS BEEN A REDUCTION OF THE EFFECTIVE AREA OF THE STRUCTURE OPENING OF GREATER THAN 10%.

SOCK NO.	Dia. In.	LOCATION
1	18	southwest corner
2	18	western edge
3	18	close to railroad
4	32	center of west side of proposed solar field
5	32	northwest side of solar field
6	32	northwest side where panels get shorter
7	18	below material stock pile



PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA ACT 199 (2004) REQUIRES NO LESS THAN THREE (3) WORKING DAYS AND NO MORE THAN (10) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH. PA ONE-CALL SERIAL NO. 20181142403



REVISIONS

Date	Description
10/27/18	REVISIONS PER TOWNSHIP COMMENTS

Designed: JLK  
Drawn: JRJ  
Reviewed: AJB  
Scale: 1" = 50'  
Project No.: 18CA592  
Date: 10/18/18  
CAD File: GD18CA59201

Title: PARTIAL GRADING, DRAINAGE, & UTILITIES PLAN

Sheet No.: **GD-01**  
No. 05 of 07