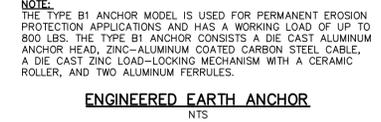
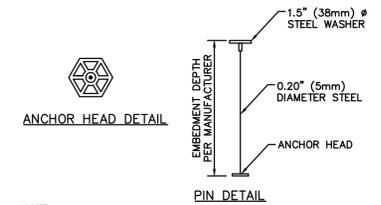
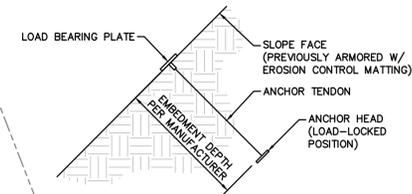
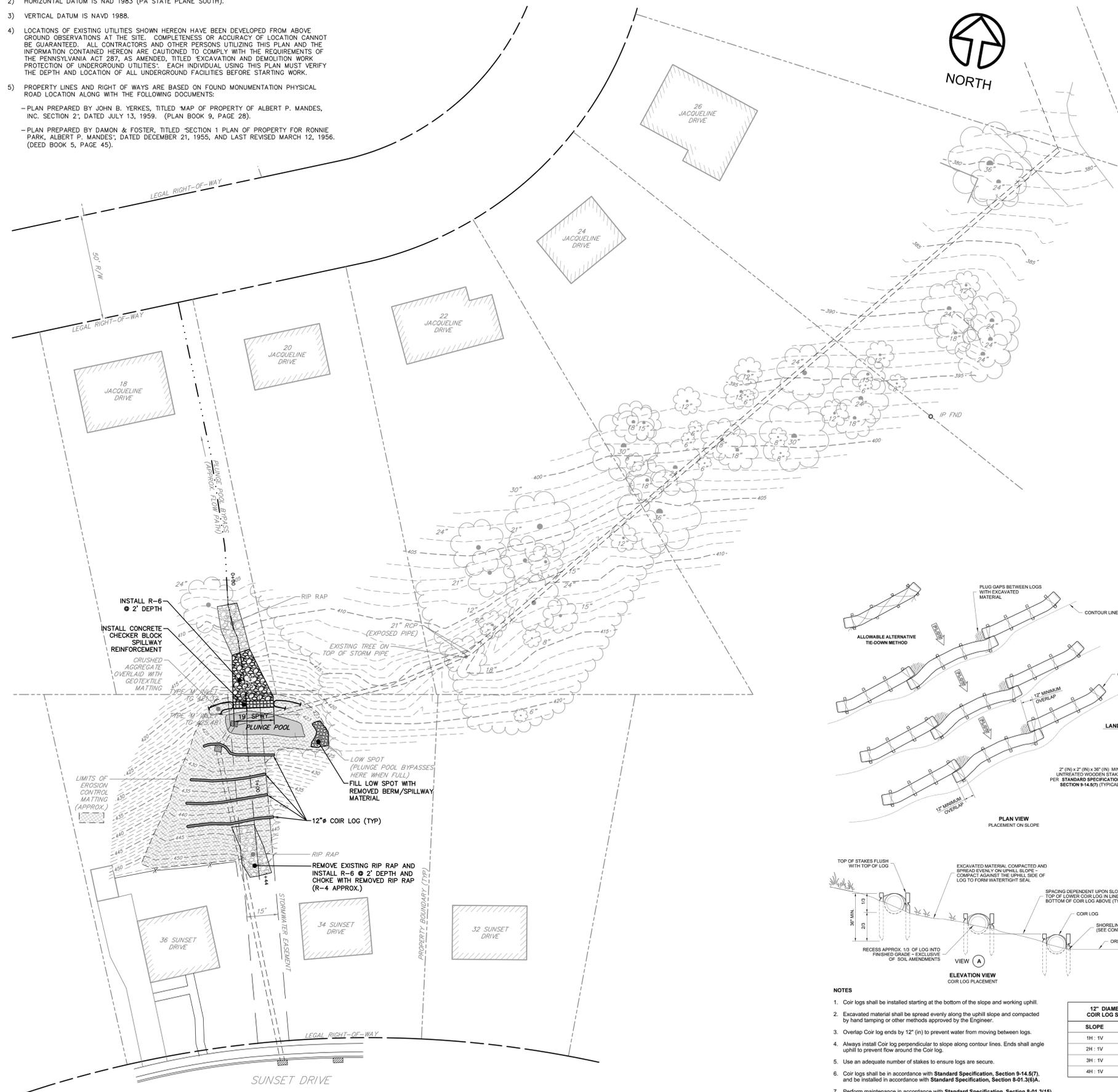
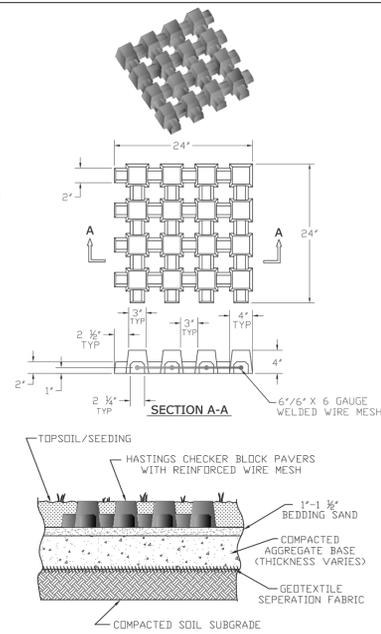


**SURVEY NOTES**

- 1) TOPOGRAPHIC SURVEY WAS PERFORMED BY CARROLL ENGINEERING CORPORATION IN AUGUST OF 2022 AND REPRESENTS EXISTING CONDITIONS AT THAT TIME.
- 2) HORIZONTAL DATUM IS NAD 1983 (PA STATE PLANE SOUTH).
- 3) VERTICAL DATUM IS NAVD 1988.
- 4) LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM ABOVE GROUND OBSERVATIONS AT THE SITE. COMPLETENESS OR ACCURACY OF LOCATION CANNOT BE GUARANTEED. ALL CONTRACTORS AND OTHER PERSONS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED HEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF THE PENNSYLVANIA ACT 287, AS AMENDED, TITLED "EXCAVATION AND DEMOLITION WORK PROTECTION OF UNDERGROUND UTILITIES". EACH INDIVIDUAL USING THIS PLAN MUST VERIFY THE DEPTH AND LOCATION OF ALL UNDERGROUND FACILITIES BEFORE STARTING WORK.
- 5) PROPERTY LINES AND RIGHT OF WAYS ARE BASED ON FOUND MONUMENTATION PHYSICAL ROAD LOCATION ALONG WITH THE FOLLOWING DOCUMENTS:  
 - PLAN PREPARED BY JOHN B. YERKES, TITLED "MAP OF PROPERTY OF ALBERT P. MANDES, INC. SECTION 2", DATED JULY 13, 1959. (PLAN BOOK 9, PAGE 28).  
 - PLAN PREPARED BY DAMON & FOSTER, TITLED "SECTION 1 PLAN OF PROPERTY FOR RONNIE PARK, ALBERT P. MANDES", DATED DECEMBER 21, 1955, AND LAST REVISED MARCH 12, 1956. (DEED BOOK 5, PAGE 45).

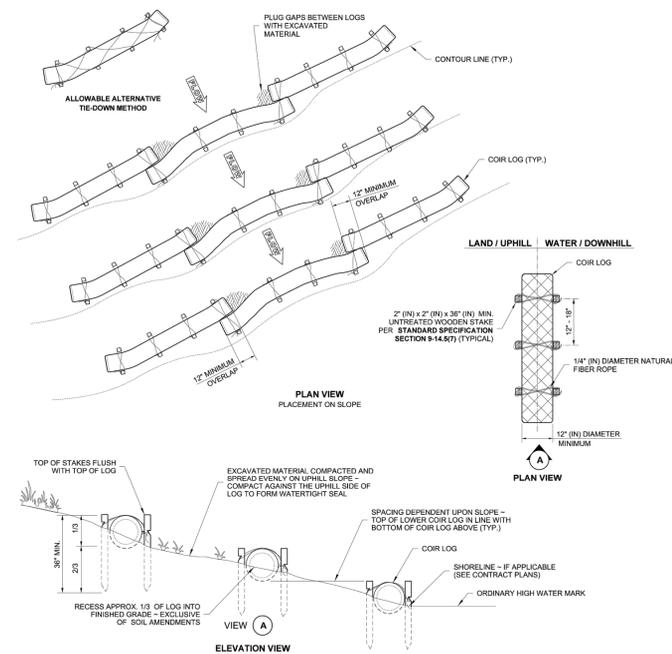


**ENGINEERED EARTH ANCHOR**  
NTS



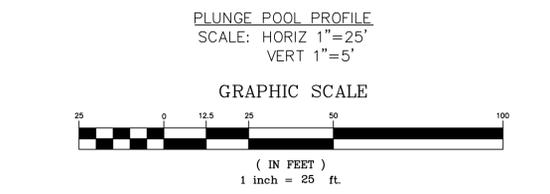
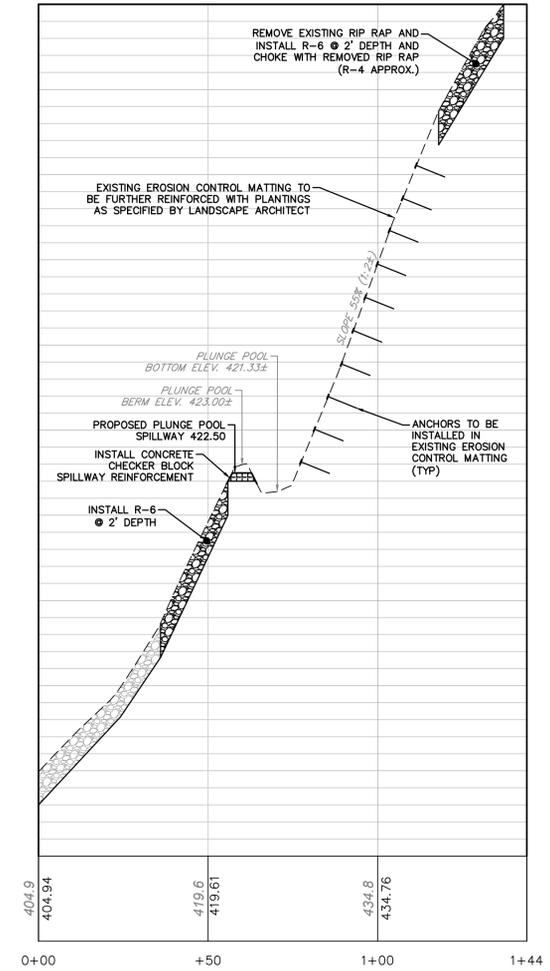
**PERMEABLE CONCRETE GRID PAVER (CHECKER BLOCK REINFORCEMENT)**  
NTS

**NOTE:**  
THE TYPE B1 ANCHOR MODEL IS USED FOR PERMANENT EROSION PROTECTION APPLICATIONS AND HAS A WORKING LOAD OF UP TO 800 LBS. THE TYPE B1 ANCHOR CONSISTS OF A DIE CAST ALUMINUM ANCHOR HEAD, ZINC-ALUMINUM COATED CARBON STEEL CABLE, A DIE CAST ZINC LOAD-LOCKING MECHANISM WITH A CERAMIC ROLLER, AND TWO ALUMINUM FERRULES.



- NOTES**
1. Coir logs shall be installed starting at the bottom of the slope and working uphill.
  2. Excavated material shall be spread evenly along the uphill slope and compacted by hand tamping or other methods approved by the Engineer.
  3. Overlap Coir log ends by 12" (n) to prevent water from moving between logs.
  4. Always install Coir log perpendicular to slope along contour lines. Ends shall angle uphill to prevent flow around the Coir log.
  5. Use an adequate number of stakes to ensure logs are secure.
  6. Coir logs shall be in accordance with Standard Specification, Section 8-4.5(7), and be installed in accordance with Standard Specification, Section 8-01.3(6)(A).
  7. Perform maintenance in accordance with Standard Specification, Section 8-01.3(15).

SLOPE	MAXIMUM SPACING
1H : 1V	5' - 0"
2H : 1V	10' - 0"
3H : 1V	15' - 0"
4H : 1V	20' - 0"



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**PLUNGE POOL EROSION PREVENTION PLAN**

**RONNIE PARK DRAINAGE IMPROVEMENTS**

SITUATED IN WILLISTOWN TOWNSHIP PREPARED FOR WILLISTOWN TOWNSHIP 688 SUAGTOWN ROAD MALVERN, PA 19355

NO.	DATE	DESCRIPTION	INITIALS

DATE: 12-6-2022  
 CADD FILE: 2155570004  
 JOB NO: 21-5557  
 DSG BY: CAP  
 DWN BY: CAP  
 CKD BY: WNB  
 SCALE: 1"=25'  
 DRAWER NUMBER: -  
 SHEET 1 OF 1 SHEETS  
 DRAWING NUMBER: C-101

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