



STA 454+50	
PIPE UNDER BERM	30" S MIN = 8%
1/2 SECTION SLOPE DRAIN	36" S MIN = 10%
PIPE UNDER ROAD	36" S = 2%

STA 461+00	
PIPE UNDER BERM	18" S MIN = 10%
1/2 SECTION SLOPE DRAIN	30" S MIN = 10%
PIPE UNDER ROAD	30" S = 2%

STA 467+00	
PIPE UNDER BERM	24" S MIN = 4%
1/2 SECTION SLOPE DRAIN	30" S MIN = 5%
PIPE UNDER ROAD	30" S = 2%

PLAN STA 447 TO 468  
SCALE: 1" = 100'

**NOTES:**

- EXISTING CONTOURS ARE BASED ON AN AERIAL SURVEY FLOWN ON MARCH 31, 1971. THE CONTOURS DO NOT REFLECT CHANGES IN THE TOPOGRAPHY SINCE THE ABOVE DATE, AND ARE THEREFORE, PROVIDED FOR THE CONTRACTOR'S GENERAL INFORMATION ONLY.
- LIMIT OF WORK INCLUDES ALL AREAS TO BE GRADED AND SEEDED, BUT SOME AREAS TO BE SEEDED DO NOT REQUIRE GRADING. SEE CROSS SECTIONS FOR TYPICAL GRADING REQUIREMENTS.
- IT IS INTENDED THAT ONLY MATERIAL AVAILABLE WITHIN THE LIMITS OF WORK IS TO BE USED FOR GRADING.
- ADEQUATE FIELD STAKE OUT INFORMATION FOR THE CONTRACTOR TO ADEQUATELY LOCATE THE ROADWAY WILL BE PROVIDED BY THE DEPARTMENT OF ENVIRONMENTAL RESOURCES.
- NO GRADING SHALL BE DONE OVER THE PENN FUEL GAS, INC. PIPELINE. THE LOCATION OF THE PIPELINE WILL BE ESTABLISHED AT THE SITE BY PENN FUEL GAS, INC., OXFORD, PENNSYLVANIA, UPON AT LEAST 30 DAYS NOTIFICATION BY THE CONTRACTOR.
- CONTRACTOR SHALL OBSERVE ALL APPLICABLE REGULATIONS OF THE PENNSYLVANIA GAME COMMISSION.
- LOCATE DISCHARGE POINT OF SLOPE DRAINS AT NATURAL DRAINAGE SWALES TO BEAR CREEK AS DIRECTED BY THE ENGINEER.
- DITCH LOCATIONS SHOWN ARE APPROXIMATE. PROVIDE LONGITUDINAL SLOPE BETWEEN 0.5% AND 1%.
- AREA WITHIN THE LIMIT OF WORK WAS FORMERLY A STRIP MINE WHICH PROBABLY CONTAINED CONNECTIONS TO THE DEEP MINES WHICH ARE NOT NOW VISIBLE. CONTRACTOR SHALL EXERCISE SUITABLE CAUTION IN PERFORMANCE OF THE WORK TO PROTECT HIS EQUIPMENT AND PERSONNEL. APPROXIMATE LOCATION OF A KNOWN HOLE IS INDICATED TO THE RIGHT OF STATION #437 ON DWG.# 1 OF 7.
- THE PENNSYLVANIA GAME COMMISSION WILL PROVIDE SHRUB SEEDS FOR THE TYPE "A" MIX TO BE APPLIED FROM STATION 516+25 TO STATION 524+50.
- THE INDICATED SEEDING TYPE AREAS ARE APPROXIMATE. IT IS INTENDED THAT TYPE "A" SEEDING BE APPLIED TO SLOPES LESS THAN 30% AND TYPE "B" TO SLOPES GREATER THAN 30%.
- THE GRADING LIMIT SHOWN ON THE CROSS SECTIONS IS APPROXIMATE. DEVIATIONS FROM THESE LIMITS WILL BE PERMITTED SUBJECT TO THE APPROVAL OF THE ENGINEER AND PROVIDING THE FULL INTENT OF THE ABATEMENT PLAN IS SATISFIED.

**LEGEND**

- AREA TO RECEIVE TYPE "A" SEEDING (SLOPES ≤ 30%)
- AREA TO RECEIVE TYPE "B" SEEDING (SLOPES > 30%)
- PROPOSED GAME COMMISSION ROAD AND SURVEY STATION
- EXISTING CONTOUR ELEVATION
- EXISTING SPOT ELEVATION
- ELECTRICAL TRANSMISSION TOWER
- UTILITY POLE
- LIMIT OF WORK (RIGHT OF WAY & CONTRACTORS WORKING AREA)
- DRAINAGE DITCH
- BITUMINOUS COATED CORRUGATED METAL PIPE (BCCMP)
- 1/2 SECTION SLOPE DRAIN

NO.	DATE	REVISION	APPR.
SUBMITTED <i>Thomas Richard Baber</i> PROFESSIONAL			
APPROVED <i>Robert A. Ramer</i> CHIEF - DIVISION OF MINE DRAINAGE REHABILITATION			
APPROVED <i>Don Mess</i> DIRECTOR - BUREAU OF CONSULTING SERVICES			
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES OFFICE OF ENGINEERING AND CONSTRUCTION			
PROJECT NO. SL 170-1A STRIP MINE RECLAMATION QUICK START PROJECT "D" STATE GAME LAND NO. 264 WICONISCO CREEK WATERSHED DAUPHIN COUNTY, PENNA.			
<b>SANDERS AND THOMAS</b> CONSULTING ENGINEERS <small>EXECUTIVE OFFICES: POTTSTOWN, PENNSYLVANIA          BRANCH OFFICES: PHILADELPHIA, PA. - LONG ISLAND, N.Y. - MIAMI, FLORIDA          PITTSBURGH, PA. - BALTIMORE, MD. - LONG BEACH, CALIF. - WASHINGTON, D.C.</small>			
<b>PLAN STA. 447 TO LEGEND &amp; NOTES</b>			
DRAWN BY D.A.R.	DATE DEC. 5, 1972	DRAWING NO. 2 OF	
CHECKED BY T.B.	SCALE 1" = 100'		