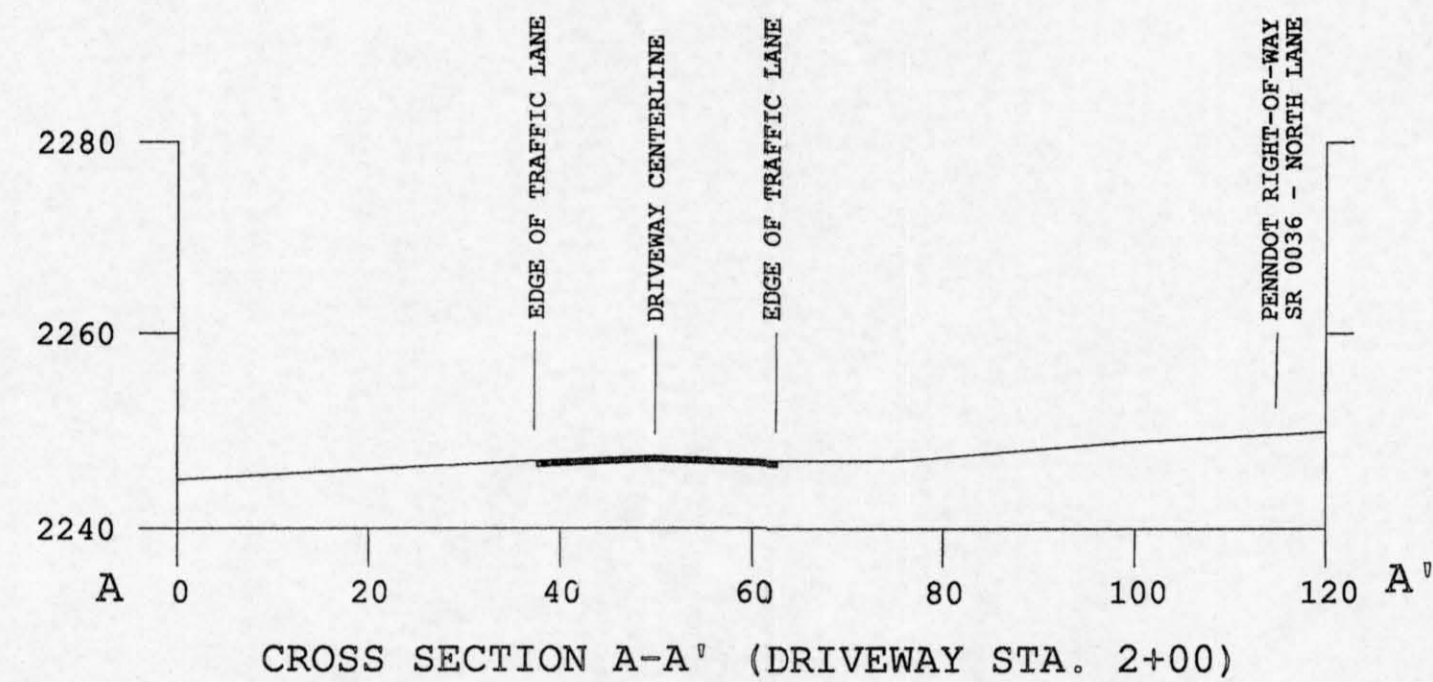


PROFILE P-P': ALONG PROPOSED DRIVEWAY CENTERLINE TO JUNCTION WITH SR 36

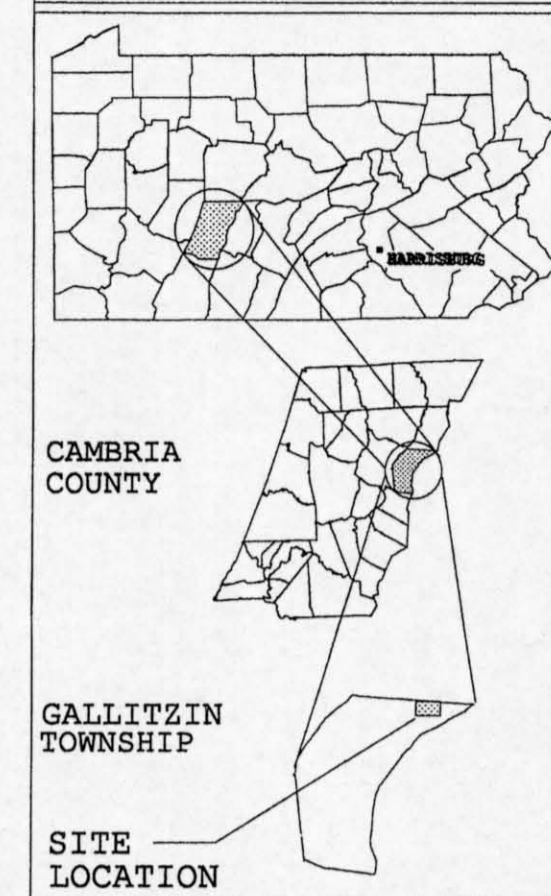


CROSS SECTION A-A' (DRIVEWAY STA. 2+00)

INTERSECTION DISTANCE DATA:

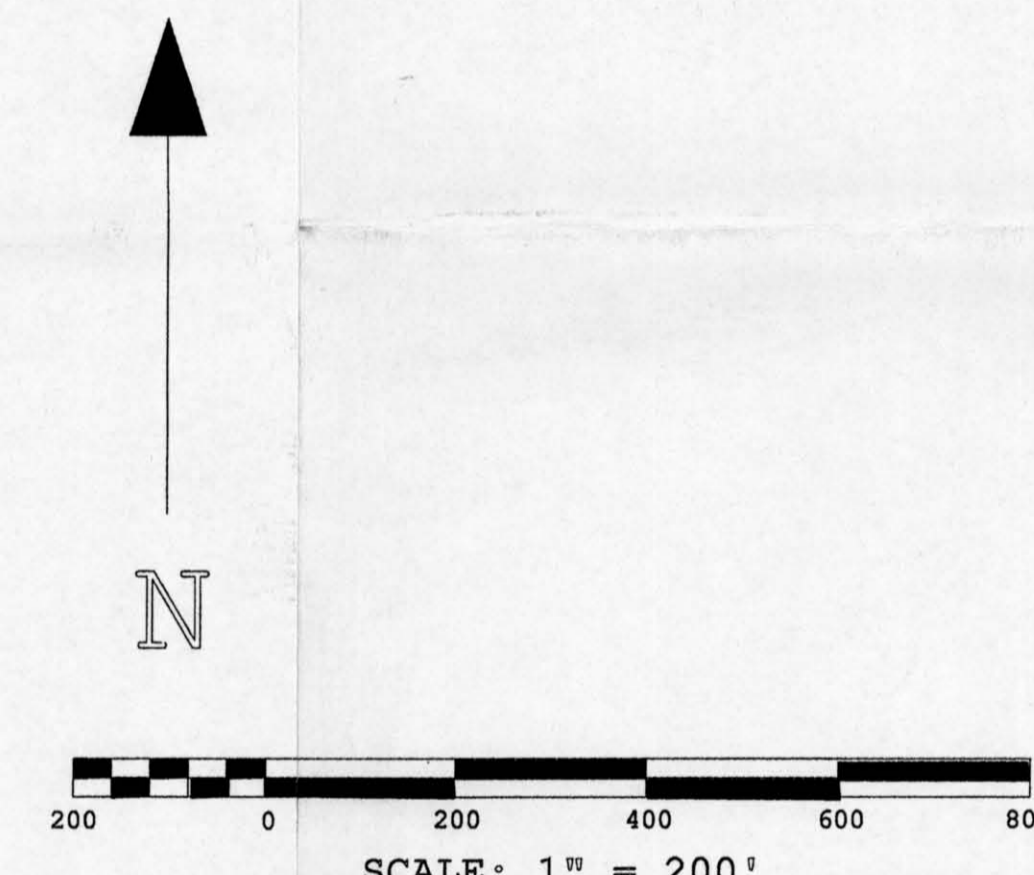
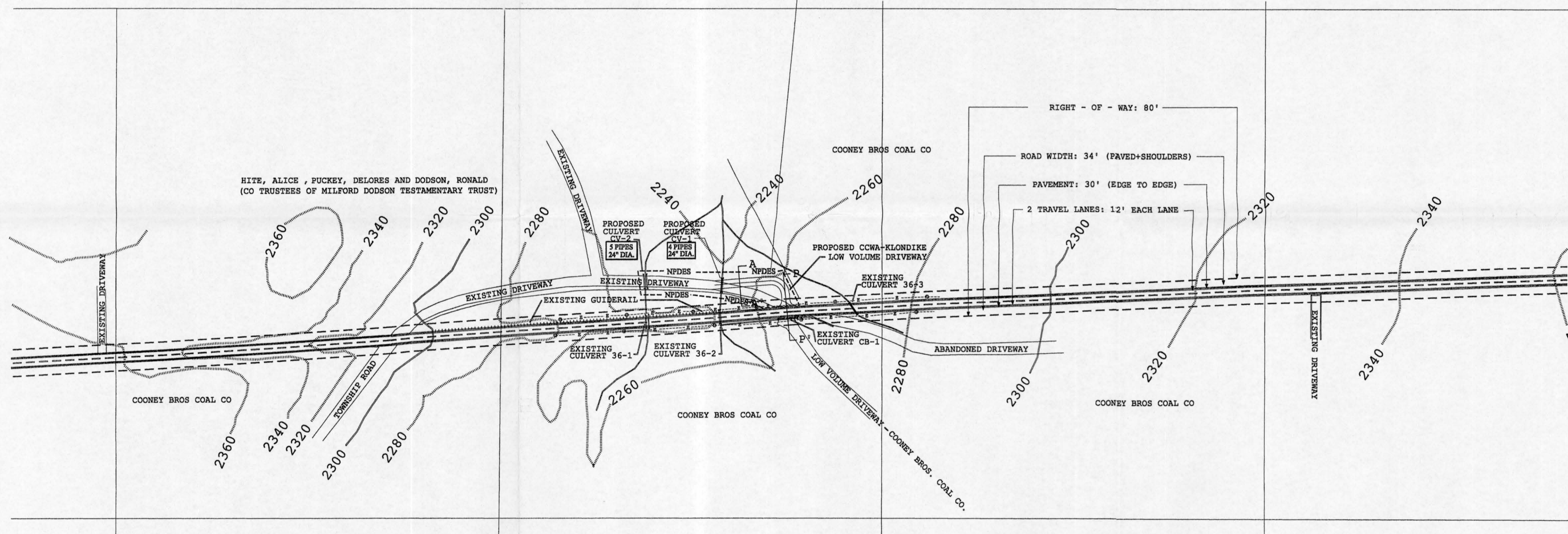
- CENTERLINE OF PROPOSED DRIVEWAY INTERSECTS SR 0036 SEGMENT 20 - OFFSET +460' (PROPOSED INTERSECT ANGLE = 90°)
- DISTANCE FROM PROPOSED DRIVEWAY TO NEAREST INTERSECTION:
LEFT (NORTH) = 3640' (TO INTERSECTION WITH SR 1015 (COUPON ROAD))
RIGHT (SOUTH) = 4750' (TO INTERSECTION WITH SR 4012 (SKYLINE DRIVE))
- DISTANCE FROM PROPOSED DRIVEWAY TO NEAREST ADJACENT DRIVES:
LEFT (NORTH) = 2080' (TO EXISTING PRIVATE DRIVEWAY)
RIGHT (SOUTH) = 2700' (TO FERRIS WHEEL DRIVEWAY/PARKING LOT)
- SIGHT DISTANCES FROM CCWA - KLONDIKE PROPOSED DRIVEWAY:
ESTIMATED DISTANCES: LEFT (NORTH) = 1560' | RIGHT (SOUTH) = 2600'

PROJECT LOCATION
CLEARFIELD TWP - CAMBRIA CO
HASTINGS USGS QUADRANGLE



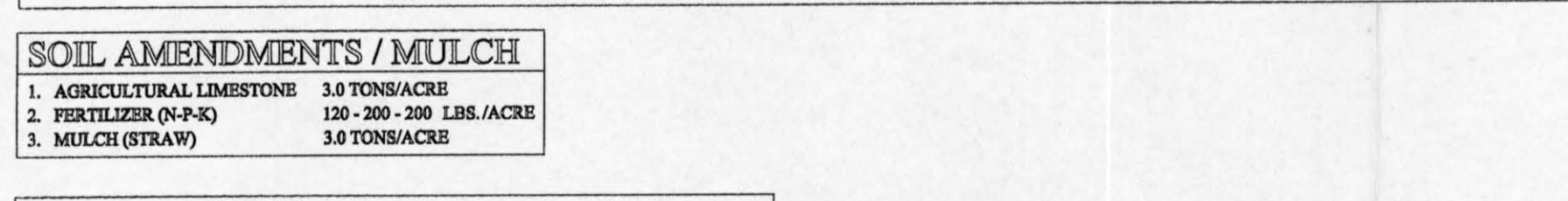
PENNDOT HIGHWAY OCCUPANCY PERMIT - CHECKLIST OF REQUIRED PLAN FEATURES

MAP NAR N/A	FEATURE
X	EXISTING HIGHWAY PAVEMENT (TYPE AND WIDTH)
X	EXISTING SHOULDER (TYPE AND WIDTH)
X	DITCHES (EXISTING AND PROPOSED)
X	HIGHWAY RIGHT-OF-WAY LINES (SIDES & WIDTH)
X	HIGHWAY APPURTENANCES (GUIDE RAIL, DRAINAGE, STONAGE, ETC.)
X	ALL AFFECTED UTILITIES (ALL EXISTING & PROPOSED, ABOVE GROUND & SUBSURFACE)
X	EXISTING AND PROPOSED BUILDING(S) & BUILDING APPURTENANCES
X	PROPOSED USE OF BUILDINGS
X	INTERNAL TRAFFIC CIRCULATION
X	PARKING
X	EXISTING & PROPOSED DRIVEWAYS
X	CURBS
X	TAPERS
X	ALL ACCELERATION & DEACCELERATION LANE DETAILS
X	DRIVEWAY WIDTHS
X	DRIVEWAY RADIUS
X	DRIVEWAY GRADE OR PROFILE OF DRIVEWAY
X	DRIVEWAY ANGLE
X	DIMENSIONS OF TRAFFIC ISLAND (LENGTHS, RADI, ETC.)
X	DRIVEWAY SURFACE MATERIALS (ID-2, BCB, SUBBASE, ETC.)
X	TRAFFIC ISLAND MATERIALS (CONC., BIT., SOIL, PLANTINGS, ETC.)
X	EXISTING AND PROPOSED TRAFFIC CONTROL DEVICES (SIGNALIZATION, STOP SIGNS, NO LEFT OR RIGHT TURNS, ETC.)
X	DISTANCE FROM PROPOSED DRIVEWAYS TO NEAREST INTERSECTION
X	DISTANCES TO NEAREST ADJACENT DRIVEWAYS (RIGHT & LEFT)
X	STREETS, ROADS, DRIVES OPPOSITE THE SITE
X	S.R., SEGMENT, OFFSET AT CENTERLINE OF EACH DRIVEWAY
X	SUBMIT TRAFFIC CONTROL PLAN
X	SUBMIT DRAINAGE CONTROL REPORT
OTHER:	
X	DRIVEWAY NOT PROPERLY CLASSIFIED (MIN. USE, LOW, MED, HIGH VOLUME, LOCAL ROAD)
X	ALL PERTINENT PROPERTY LINES
X	SIGHT DISTANCE FROM EACH DIRECTION FOR EACH DRIVEWAY
X	UNABLE TO MEASURE SIGHT DISTANCE DUE TO OBSTRUCTION
X	SUBMIT JUSTIFICATION FOR MORE THAN 2 DRIVEWAYS
X	DRIVEWAY DIMENSION NOT IN ACCORDANCE WITH 441.8 AND 441.9
X	DRIVEWAY MUST HAVE 10' TANGENT DISTANCE IN CURBED AREA -OR- 30' IN UNCURBED AREA BETWEEN DRIVEWAY AND INTERSECTION
X	DRIVEWAY MUST HAVE A MINIMUM 20' TANGENT DISTANCE IN CURBED AREA -OR- 30' IN UNCURBED AREA BETWEEN DRIVEWAY AND INTERSECTION
X	PERMANENT CURB MUST DEFINE DRIVEWAY WHEN MULTIPLE DRIVEWAYS ARE LESS THAN 50' APART
X	PENNDOT STANDARD CURB MUST BE INSTALLED
X	HANDICAPPED FACILITIES NOT IN ACCORDANCE WITH STANDARDS
X	MINIMUM DIAMETER PIPE PERMITTED IS 15 INCHES
X	ENGINEERING STUDY MUST BE ATTACHED WHEN SIGNALIZATION IS INVOLVED
X	DIFFERENCE BETWEEN CROSS SLOPE OF ROADWAY AND GRADE OF DRIVEWAY MAY NOT EXCEED 8%
X	DRIVEWAY MUST BE PAVED FROM EDGE OF PAVEMENT TO RIGHT-OF-WAY LINE
X	PAVEMENT STRUCTURE MUST BE A MINIMUM OF 4" THICK
X	LOCAL AGENCY REVIEW IS REQUIRED. FURNISH EVIDENCE TO VERIFY SUBMISSION.
X	PLANS NOT OF AN ACCEPTABLE QUALITY FOR MICROFILMING
X	SHOW POSTED SPEED LIMIT



STRUCTURAL BMP'S: CULVERT GROUPS / OUTLET PROTECTION

MAP KEY	FUNCTION OF CULVERT GROUP	W/S* AREA (CFS)	FL # COMPONENTS (CFS)	CULVERT GROUP DESIGN PARAMETERS	CONSTRUCTION DIMENSIONS AND SPECIFICATIONS
				FLOW PIPES (CFS) VELOCITY (FT/S) TAIL-PIPE (CFS) WATER	MATL LONG SLOPE OUTLET NSA SIZE THICK LONG
					(FT) (%) PROTECT (DN) (IN) (IN) (FT)
CV-1	STREAM FLOW: ROAD SEG 1	69.00	64.68 (100)	64.68 4 16.17 12.59 MIN. PVC(40)	40 4.00 RA APRON 86 12 24 40
CV-2	STREAM FLOW: ROAD SEG 2	160.00	101.70 (100)	101.70 5 20.34 13.00 MIN. PVC(40)	40 4.00 RA APRON 86 12 24 40



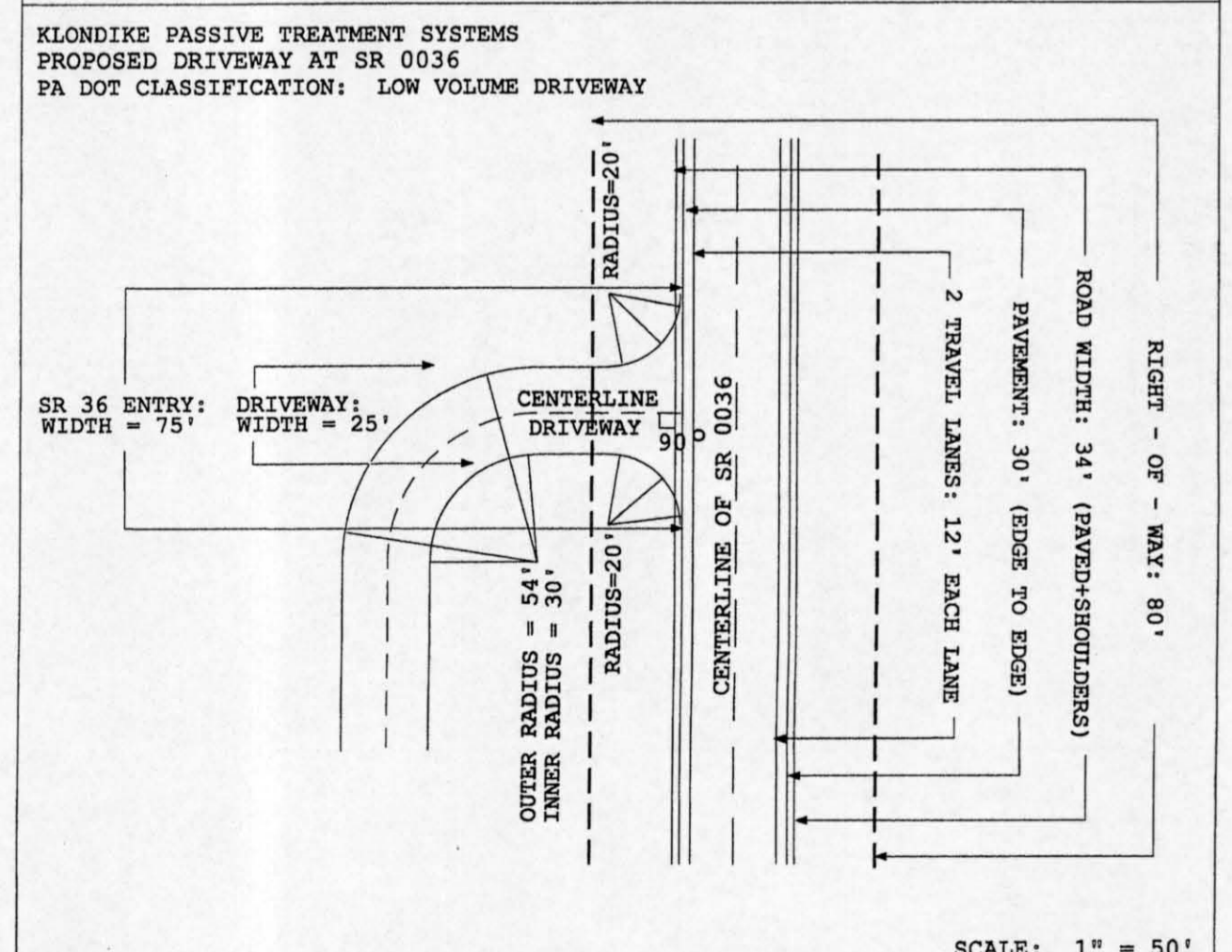
SOIL AMENDMENTS / MULCH

AGRICULTURAL LIMESTONE	3.0 TONS/ACRE
FERTILIZER (N-P-K)	120-200-200 LBS./ACRE
MULCH (STRAW)	3.0 TONS/ACRE

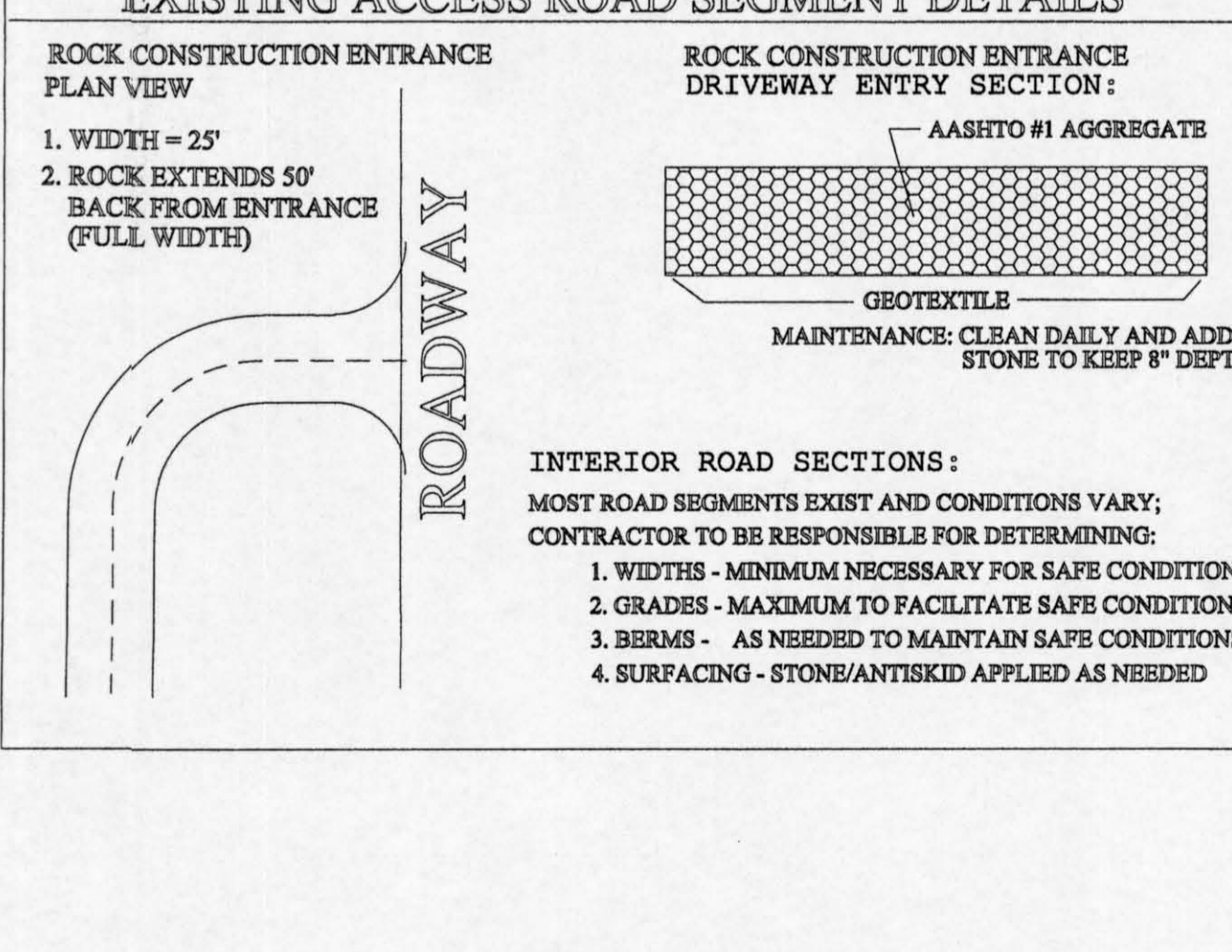
SEED MIXTURES

STABILIZATION DESCRIPTION	SPECIES	RATE LB/AC	PURITY (%)	GERM (%)	WEED (%)
1. TEMPORARY STABILIZATION	ANNUAL RYEBGRASS	10.0	95	85	0.15
	DEERTONGUE	8.0	95	75	0.10
2. GENERAL STABILIZATION	PERENNIAL RYEBGRASS	20.0	95	85	0.15
	TALL FESCUE	15.0	95	75	0.10
	BIRDSEED TREFOIL	15.0	98	80	0.15
3. CHANNEL STABILIZATION	TALL FESCUE	50.0	95	80	0.10

PROPOSED DRIVEWAY: ENTRY GEOMETRY



PROPOSED DRIVEWAY CONSTRUCTION AND EXISTING ACCESS ROAD SEGMENT DETAILS



WATERS OF THE COMMONWEALTH

OVERLAND FLOW FROM BMP'S ASSOCIATED WITH THIS PART OF THE PROPERTY WILL BE ROUTED TO LITTLE LAUREL RUN (CH. 93 DES: CWF)

LIMITS OF EARTH DISTURBANCE
THE LIMITS OF EARTH DISTURBANCE FOR THIS PART OF THE PROPERTY ARE COINCIDENT WITH THE NPDES BOUNDARY LINE AND INCLUDE THE ROCK CONSTRUCTION ENTRANCE AND TWO CULVERTS.
NOTE: THE ROCK CONSTRUCTION ENTRANCE AND THE CULVERTS ARE PROPOSED PERMANENT STRUCTURES.

NPDES BOUNDARIES
THE NPDES BOUNDARY IS SHOWN ON THE MAP AND IS SPECIFIC TO THIS PART OF THE PROPOSED PROJECT AND IS LABELED AS: NPDES

PLAN REVISIONS:	2	HIGHWAY OCCUPANCY PLAN
DATE	DESCRIPTION	SITE:
	ORIGINAL SUBMISSION	KLONDIKE PASSIVE TREATMENT FACILITY GALLITZIN AND DEAN TOWNSHIPS CAMBRIA COUNTY, PA
		OWNER:
		CLEARFIELD CREEK WATERSHED ASSOCIATION 216 BELDIN HOLLOW ROAD ASHVILLE, PA 16613
		WATERSHED:
		LITTLE LAUREL RUN TRIB TO: CLEARFIELD CREEK TRIB TO: W BRANCH SUSQUEHANNA RIVER
		DEVELOPER:
		UNKNOWN TO BE DETERMINED BY COMPETITIVE BID
		BY: US ENVIRONMENTAL RESEARCH SERVICE 1519 GRANT AVENUE ALTOONA, PA 16602 (814) 943-6979 (V & F)
		PLOT DATE: SCALE: MAY, 2005 HOR: 1"=200' VER: 200 DU LINE
		CAD: D:\CCWA-KLONDIKE\HR-1