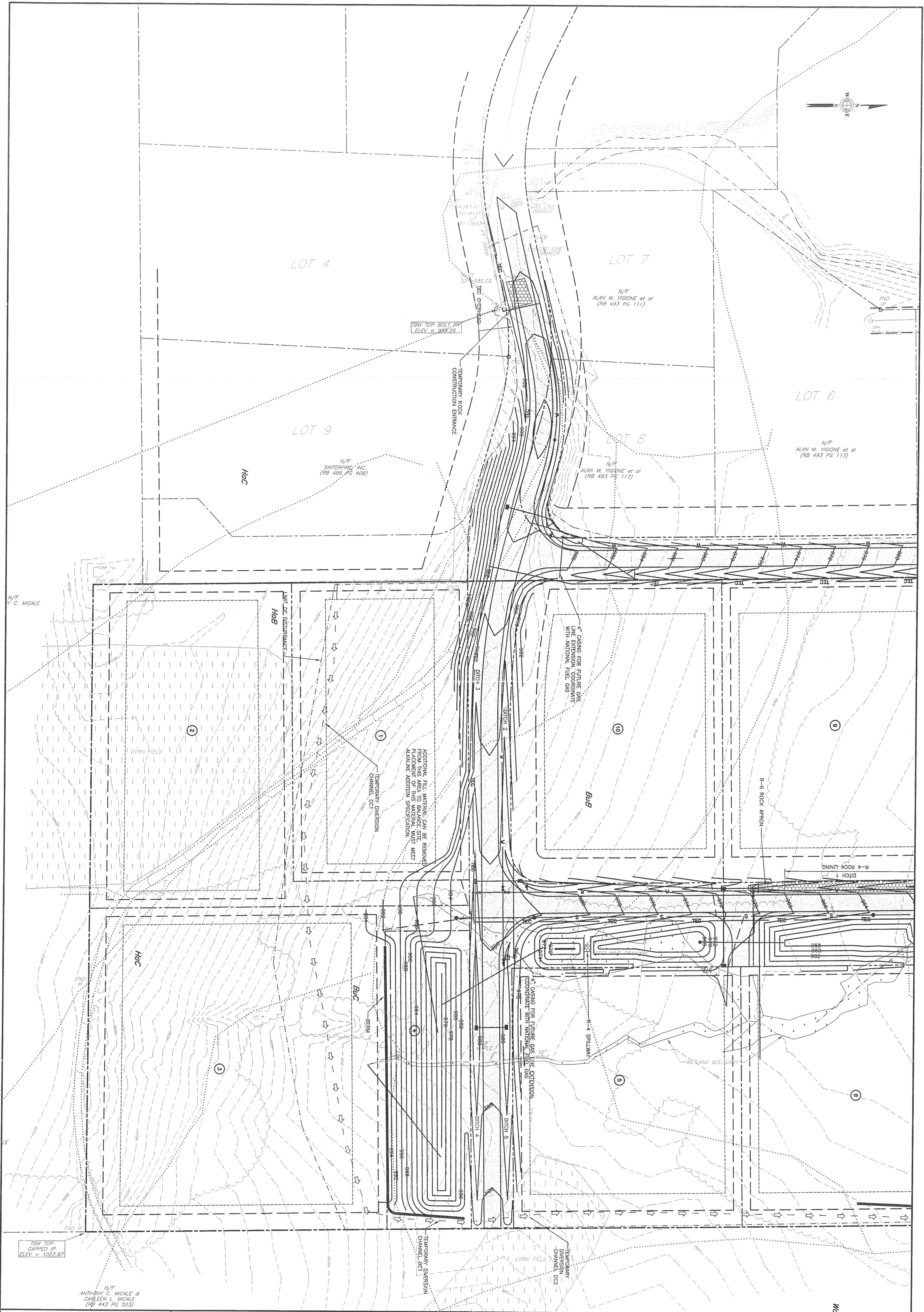
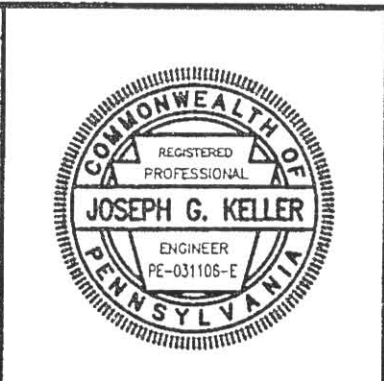




PROJECT NO.: 1551-1	
FILE NAME: PLOTS\7GradES2.dwg	
DATE: 03/02/05	
7 19	DESIGNED BY: RGK
	DRAWN BY: RGK/SCS
	CHECKED BY: PEK

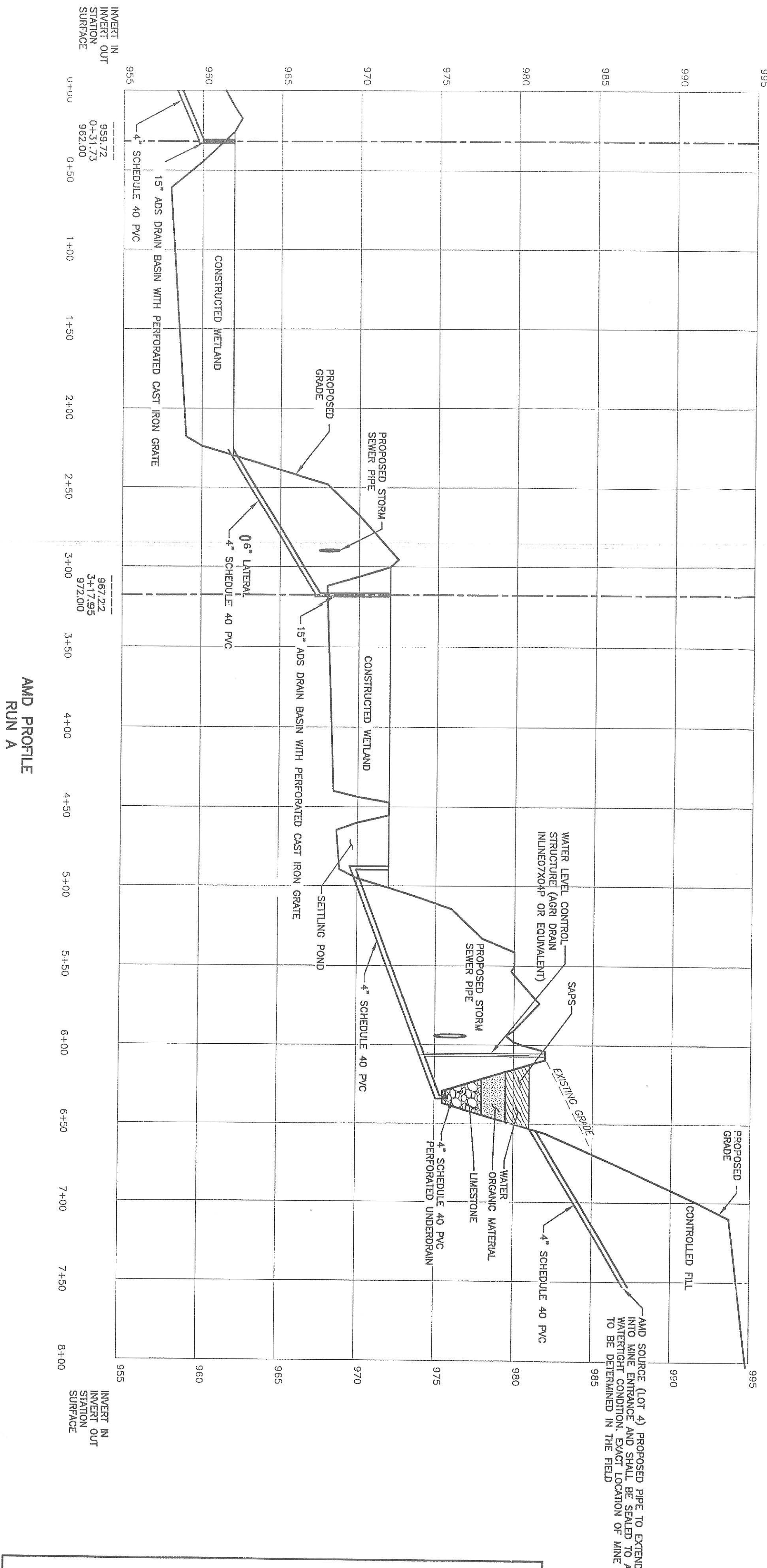
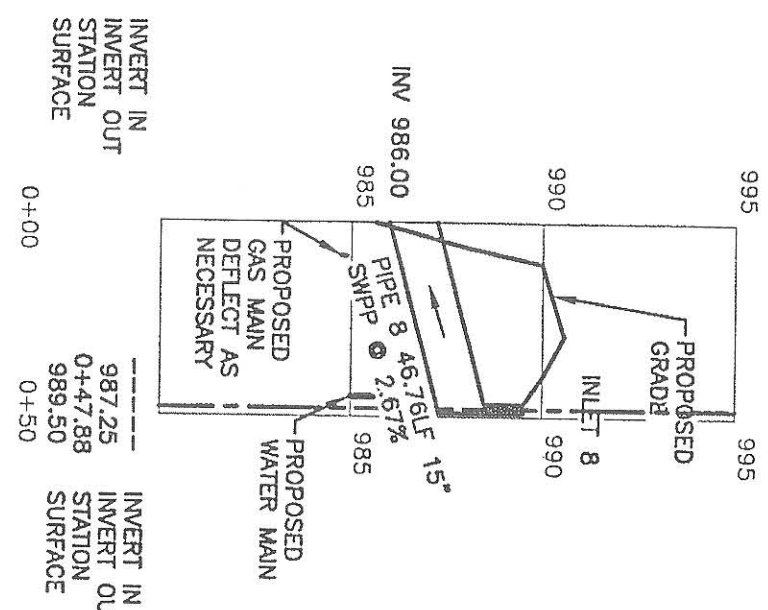
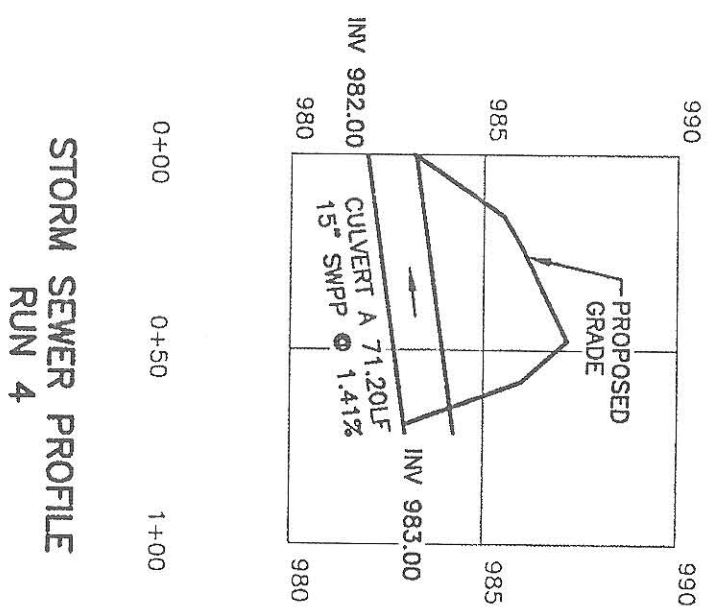
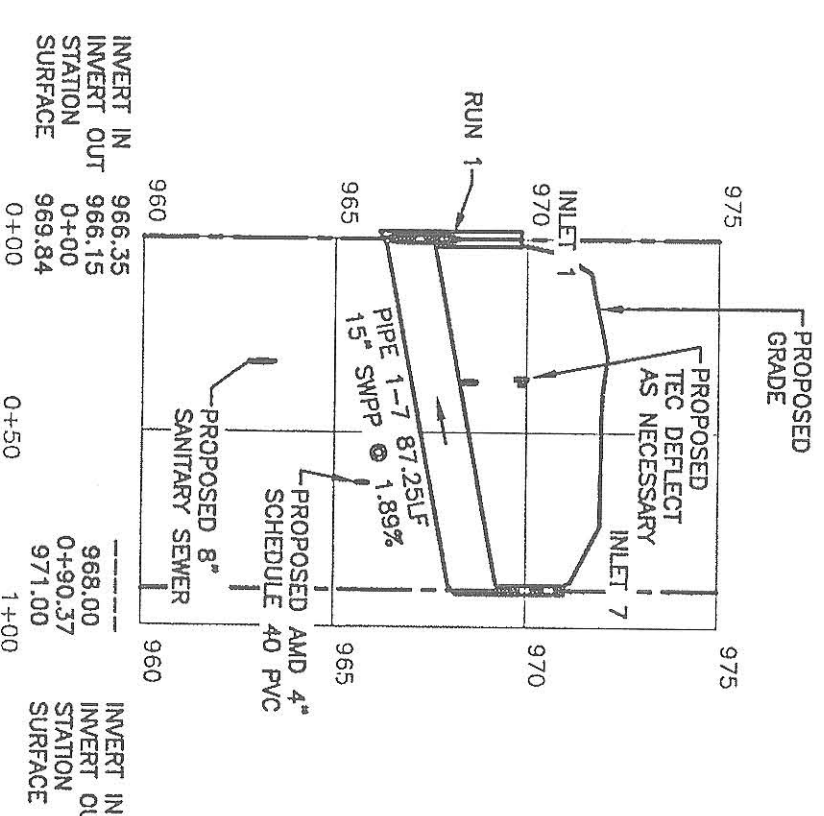
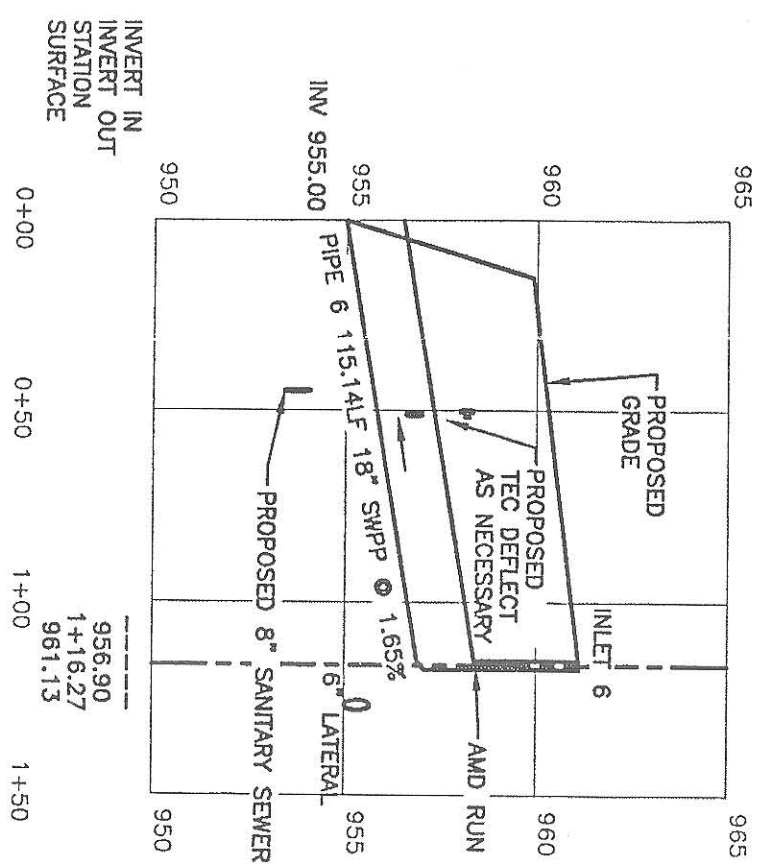
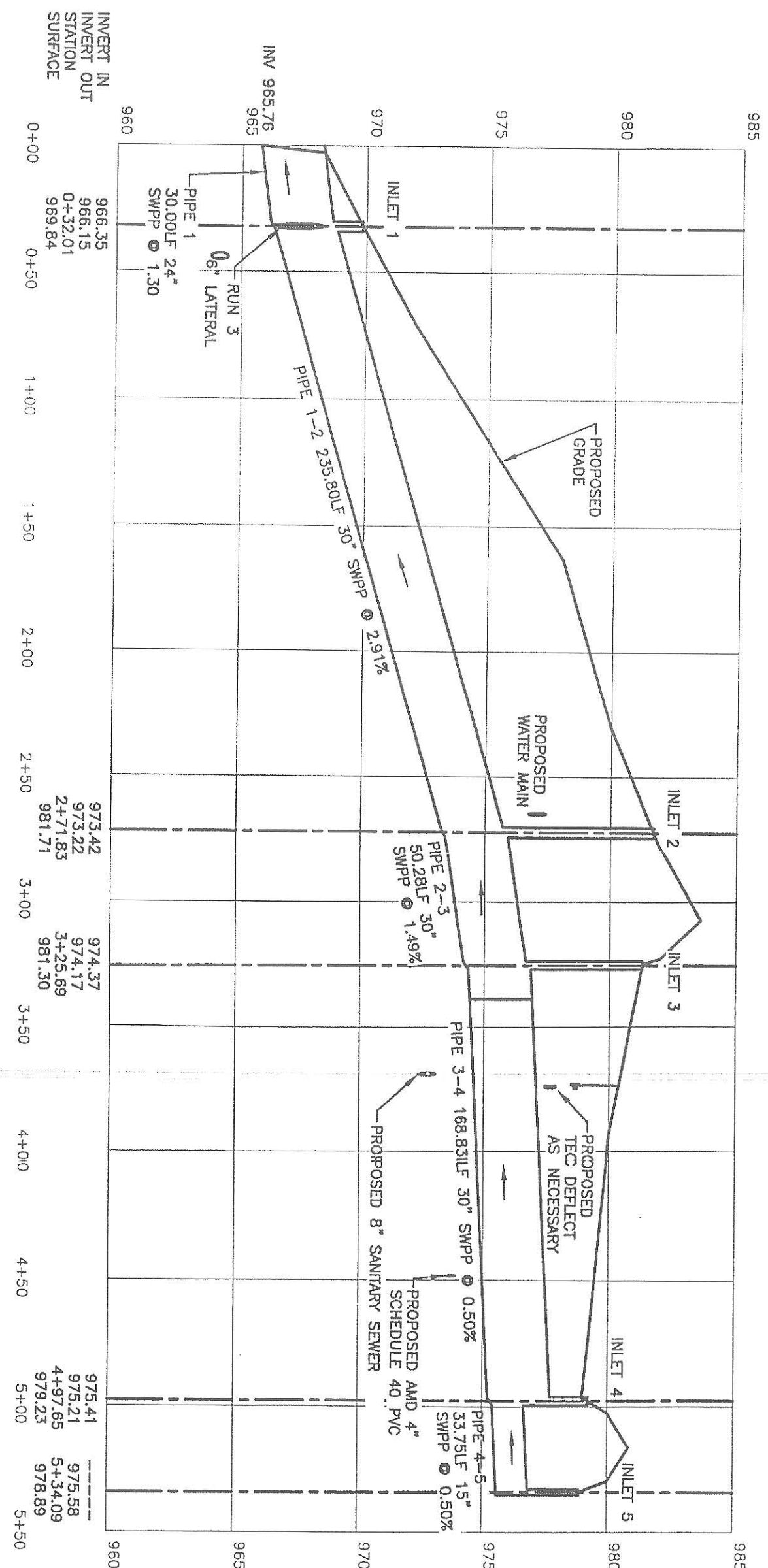
**PRELIMINARY / FINAL
LAND DEVELOPMENT PLANS
GRADING AND E&S PLAN 2**
FOXHEAD INDUSTRIAL PARK
PHASE II
FOX TOWNSHIP, ELK COUNTY
PENNSYLVANIA

10/26/05 RGK	ADDED SAPS TO AND FACILITIES
4-25-05	REVISED LOT NUMBERS
DATE & INITIALS	REVISION DESCRIPTION
SCALE: 1"=50'	50' 0' 50'



KELLER ENGINEERS
HOLLIDAYSBURG • STATE COLLEGE • HAGERSTOWN

KELLER ENGINEERS, INC.
420 ALLEGHENY STREET
HOLLIDAYSBURG, PA 16648
PHONE: 814-696-7430
FAX: 814-696-0150



Inline Water Control Structure Installation Instructions

1. **EXCAVATION AND GRADING**
The structure base, the inlet pipe, and the outlet pipe must be set on firm, flat surfaces of compacted soil or fill sand to provide a solid, stable base. This will prevent settling and reduce stress or misalignment of pipe connections.
2. **PIPE CONNECTION**
Remove block, tape from both inlet and outlet flay couplers, exposing the stainless steel clamps. The flay couplers must be placed directly over the orifice diameter of the pipe, then secured by tightening the stainless steel clamps as shown in the illustration.
3. **BACK FILL AND COMPACTION**
Level the structure vertically before placing backfill. Backfill around the control structure by hand in 6" lifts. Hand tamp only - do not mechanically compact. Do not use backhoe or blade to place backfill directly against the water control structure.

Excessive compaction may cause structural damage or failure.

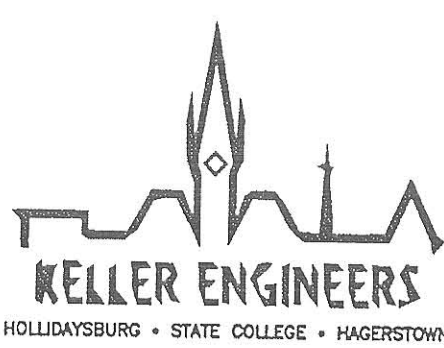
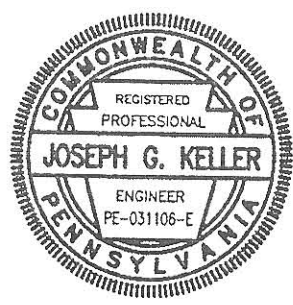
- Either the inlet or inline structure may be used for primary or secondary outlet with larger pipes or emergency spillways as primary.
- Inline structure removes salt surface water.
- On the inline installation, the inlet end of the pipe should be held off the bottom of the riprap to allow for siltation and be protected with an inlet guard. The outlet end should be protected with a screen guard.
- In a corrugated drainage or dry-surface infiltration application, the structure nearest the stream should be installed with a minimum of 75' of non-pierforated pipe on the down stream end. Anti-sweep collars are recommended.
- 1462 340th street
Alder, Iowa 50002
Phone: 800-232-4742
Fax: 800-282-3533
Web site: www.aggdrain.com
E-mail: info@aggdrain.com**

2340th street
Hir, Iowa 50002
ne: 800-232-4742
800-282-3353
site: www.agridrain.com
ail: info@agridrain.com

— Since 1976 —

WATER LEVEL CONTROL STRUCTURE
(AGRI DRAIN INLINE07X04P OR
EQUIVALENT)

12/29/05 RKG	ADDED SAPS WATER LEVEL CONTROL DEVICE
10/26/05 RKG	ADDED SAPS TO AMD FACILITIES
7/6/05 RKG	ADDED SEWER LATERAL CROSSINGS
DATE & INITIALS	REVISION DESCRIPTION
5' 0'	5' HORIZONTAL
5' 0'	5' VERTICAL



KELLER ENGINEERS, INC.
420 ALLEGHENY STREET
HOLLIDAYSBURG, PA 16648
PHONE: 814-696-7430
FAX: 814-696-0150

PROJECT NO.: 1551-1	
FILE NAME: PLOTS\8to11Profiles.dwg	
DATE: 03/02/05	
11 19	DESIGNED BY: RGK
	DRAWN BY: RGK\SC
	CHECKED BY: PEK