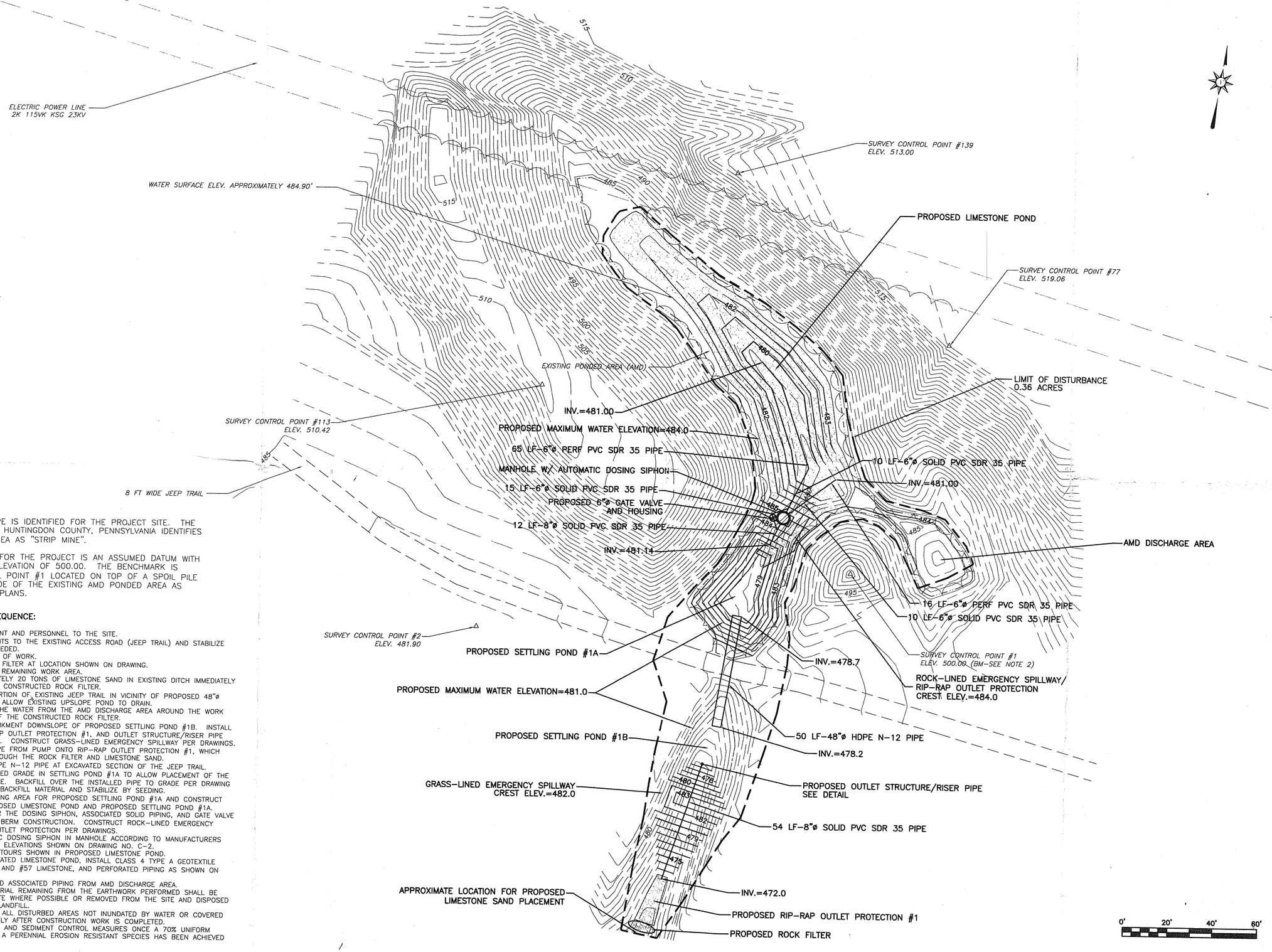


NOTES:

1. NO SOIL TYPE IS IDENTIFIED FOR THE PROJECT SITE. THE SOIL SURVEY OF HUNTINGDON COUNTY, PENNSYLVANIA IDENTIFIES THE PROJECT AREA AS "STRIP MINE".

2. THE DATUM FOR THE PROJECT IS AN ASSUMED DATUM WITH A BENCHMARK ELEVATION OF 500.00. THE BENCHMARK IS SURVEY CONTROL POINT #1 LOCATED ON TOP OF A SPOIL PILE ON THE EAST SIDE OF THE EXISTING AMD PONDED AREA AS SHOWN ON THE PLANS.

CONSTRUCTION SEQUENCE:

1. MOBILIZE EQUIPMENT AND PERSONNEL TO THE SITE.
2. MAKE IMPROVEMENTS TO THE EXISTING ACCESS ROAD (JEEP TRAIL) AND STABILIZE USING GRAVEL AS NEEDED.
3. STAKE OUT LIMITS OF WORK.
4. CONSTRUCT ROCK FILTER AT LOCATION SHOWN ON DRAWING.
5. CLEAR AND GRUB REMAINING WORK AREA.
6. PLACE APPROXIMATELY 20 TONS OF LIMESTONE SAND IN EXISTING DITCH IMMEDIATELY DOWNSTREAM OF THE CONSTRUCTED ROCK FILTER.
7. EXCAVATE THE PORTION OF EXISTING JEEP TRAIL IN VICINITY OF PROPOSED 48"ø HDPE N-12 PIPE TO ALLOW EXISTING UPSLOPE POND TO DRAIN.
8. PIPE AND PUMP THE WATER FROM THE AMD DISCHARGE AREA AROUND THE WORK AREA TO UPSLOPE OF THE CONSTRUCTED ROCK FILTER.
9. CONSTRUCT EMBANKMENT DOWNSLOPE OF PROPOSED SETTLING POND #1B. INSTALL OUTLET PIPE, RIP-RAP OUTLET PROTECTION #1, AND OUTLET STRUCTURE/RISER PIPE WITH CONCRETE BASE. CONSTRUCT GRASS-LINED EMERGENCY SPILLWAY PER DRAWINGS. PLACE DISCHARGE PIPE FROM PUMP ONTO RIP-RAP OUTLET PROTECTION #1, WHICH WILL THEN FLOW THROUGH THE ROCK FILTER AND LIMESTONE SAND.
10. INSTALL 48"ø HDPE N-12 PIPE AT EXCAVATED SECTION OF THE JEEP TRAIL. EXCAVATE TO PROPOSED GRADE IN SETTLING POND #1A TO ALLOW PLACEMENT OF THE 48"ø HDPE N-12 PIPE. BACKFILL OVER THE INSTALLED PIPE TO GRADE PER DRAWING NO. C-1. COMPACT BACKFILL MATERIAL AND STABILIZE BY SEEDING.
11. EXCAVATE REMAINING AREA FOR PROPOSED SETTLING POND #1A AND CONSTRUCT BERM BETWEEN PROPOSED LIMESTONE POND AND PROPOSED SETTLING POND #1A. INSTALL MANHOLE FOR THE DOSING SIPHON, ASSOCIATED SOLID PIPING, AND GATE VALVE W/ HOUSING DURING BERM CONSTRUCTION. CONSTRUCT ROCK-LINED EMERGENCY SPILLWAY/RIP-RAP OUTLET PROTECTION PER DRAWINGS.
12. INSTALL AUTOMATIC DOSING SIPHON IN MANHOLE ACCORDING TO MANUFACTURERS INSTRUCTIONS AND TO ELEVATIONS SHOWN ON DRAWING NO. C-2.
13. EXCAVATE TO CONTOURS SHOWN IN PROPOSED LIMESTONE POND.
14. WITHIN THE EXCAVATED LIMESTONE POND, INSTALL CLASS 4 TYPE A GEOTEXTILE MATERIAL, AASHTO #1 AND #57 LIMESTONE, AND PERFORATED PIPING AS SHOWN ON DRAWINGS.
15. REMOVE PUMP AND ASSOCIATED PIPING FROM AMD DISCHARGE AREA.
16. ANY EXCESS MATERIAL REMAINING FROM THE EARTHWORK PERFORMED SHALL BE BLENDED INTO THE SITE WHERE POSSIBLE OR REMOVED FROM THE SITE AND DISPOSED OF IN AN APPROVED LANDFILL.
17. SEED AND MULCH ALL DISTURBED AREAS NOT INUNDATED BY WATER OR COVERED WITH STONE IMMEDIATELY AFTER CONSTRUCTION WORK IS COMPLETED.
18. REMOVE EROSION AND SEDIMENT CONTROL MEASURES ONCE A 70% UNIFORM VEGETATIVE COVER OF A PERENNIAL EROSION RESISTANT SPECIES HAS BEEN ACHIEVED ON THE SITE.

DRAWING NO. C-1 | SHEET 3 OF 3

"PLAN" FOR
OLD NEVER SWEAT AMD REMEDIATION PROJECT
CARBON TOWNSHIP HUNTINGDON COUNTY, PA.

SITE PLAN

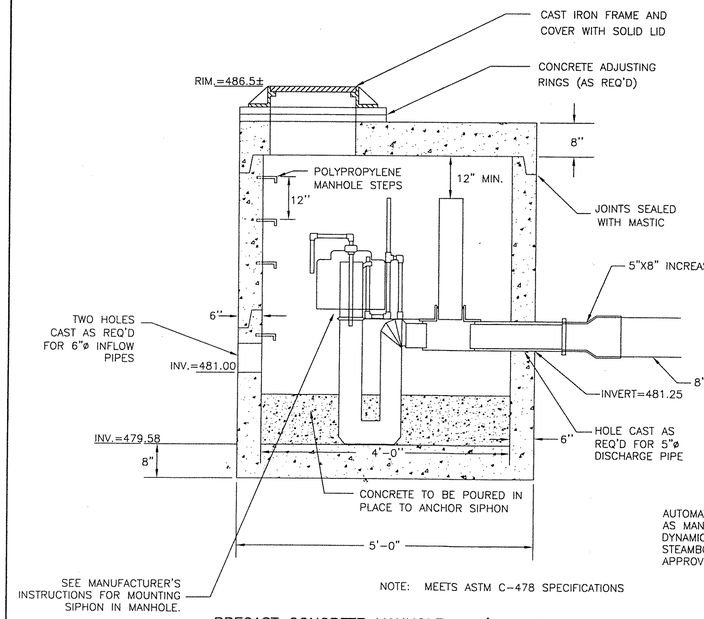
		DATE
DESIGN	B.R.S.	10/12/06
DFTSMN	B.A.S.	10/12/06
CHKR	T.W.S.	10/12/06
APPV		

SCALE 1"=20'

REV	DESCRIPTION	BY	APPV	DATE

SKELLY AND LOY, INC.
ENGINEERS-CONSULTANTS
2601 NORTH FRONT STREET
HARRISBURG, PENNSYLVANIA
(717)232-0593 (800)892-6532 FAX (717)232-1799

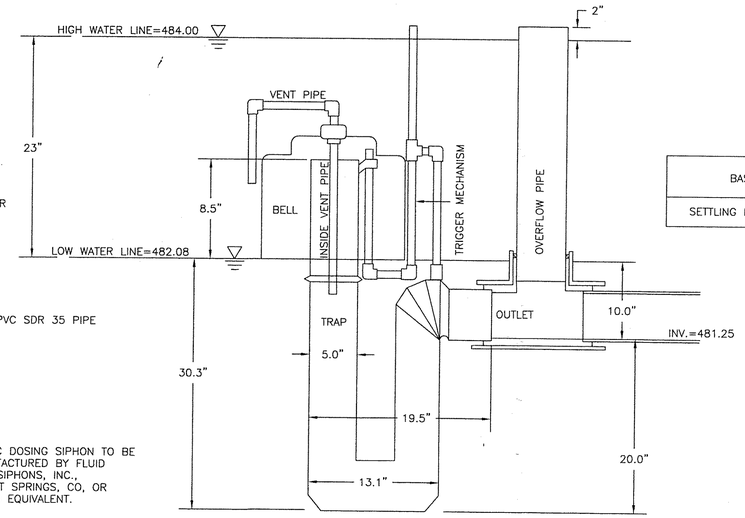
JOB NUMBER: 1505122
DATE: SEPTEMBER 27 2006



NOTE: MEETS ASTM C-478 SPECIFICATIONS

PRECAST CONCRETE MANHOLE – 5' DIAMETER

NO SCALE



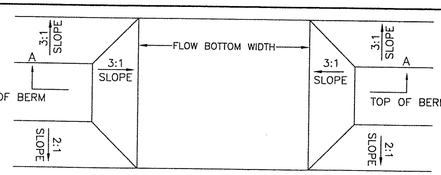
AUTOMATIC DOSING SIPHON TO BE AS MANUFACTURED BY FLUID DYNAMIC SIPHONS, INC., STEAMBOAT SPRINGS, CO, OR APPROVED EQUIVALENT.

AUTOMATIC DOSING SIPHON

NO SCALE

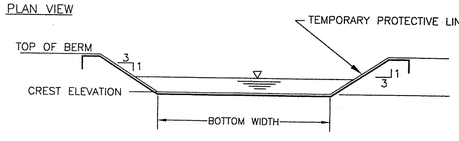
MANHOLE W/ MODEL NO. 523 AUTOMATIC DOSING SIPHON

NO SCALE



PLAN VIEW

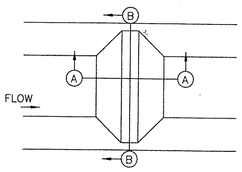
BASIN	TOP OF BERM ELEV.	SPILLWAY CREST ELEV.	FLOW BOTTOM WIDTH (FT)	TEMPORARY SPILLWAY LINING
SETTLING POND #1B	483.0	482.0	4	JUTE MAT

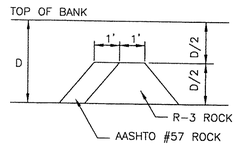


SECTION A-A

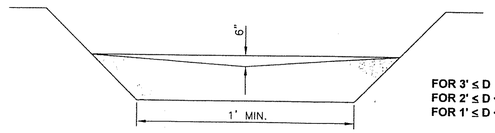
TYPICAL GRASS-LINED EMERGENCY SPILLWAY DETAIL

NO SCALE





SECTION A-A



SECTION B-B

FOR 3' ≤ D USE R-4
FOR 2' ≤ D < 3' USE R-3
FOR 1' ≤ D < 2' USE R-2

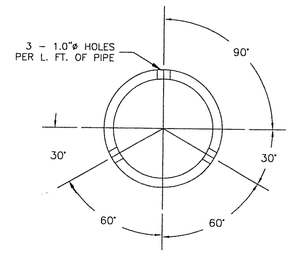
ROCK FILTER NO.	LOCATION	D (FT)	RIPRAP SIZE
1	DOWNSTREAM OF PROPOSED SETTLING POND #1B	3	R-4

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE HEIGHT OF THE FILTERS.

IMMEDIATELY UPON STABILIZATION OF EACH CHANNEL, REMOVE ACCUMULATED SEDIMENT, REMO VE ROCK FILTER, AND STABILIZE DISTURBED AREAS.

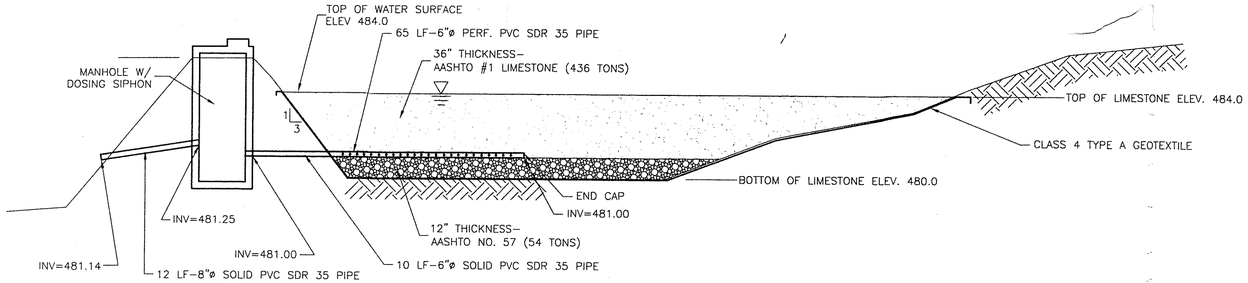
ROCK FILTER DETAIL

NO SCALE



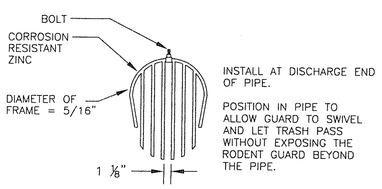
PVC SDR 35 PIPE PERFORATIONS

NO SCALE



LIMESTONE POND SECTION

(THROUGH 65 LF-6"ø PERF. PIPE SECTION)
NO SCALE

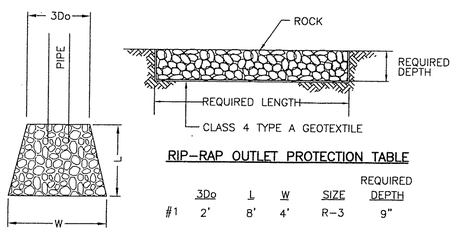


INSTALL AT DISCHARGE END OF PIPE.

POSITION IN PIPE TO ALLOW GUARD TO SWIVEL AND LET TRASH PASS WITHOUT EXPOSING THE RODENT GUARD BEYOND THE PIPE.

RODENT GUARD

NO SCALE

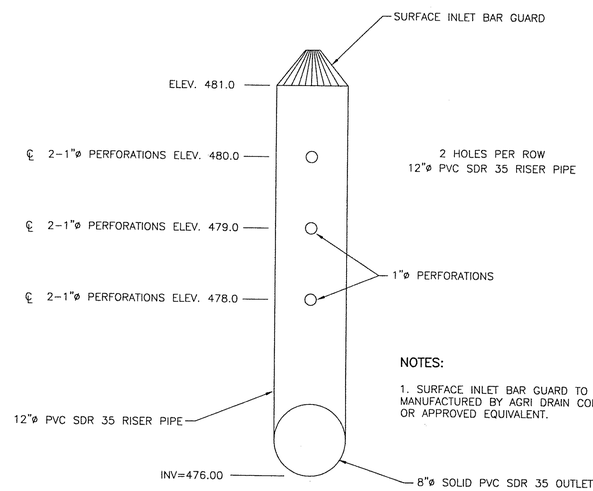


RIP-RAP OUTLET PROTECTION TABLE

	3Do	L	W	SIZE	REQUIRED DEPTH
#1	2'	8'	4'	R-3	9"

PROPOSED RIP-RAP OUTLET PROTECTION

NO SCALE



NOTES:

1. SURFACE INLET BAR GUARD TO BE TYPE AS MANUFACTURED BY AGRI DRAIN CORP., ADAIR, IA, OR APPROVED EQUIVALENT.

RISER PIPE DETAIL

NO SCALE

DRAWING NO. C-2 | SHEET 2 OF 3

"PLAN" FOR OLD NEVER SWEAT AMD REMEDIATION PROJECT
CARBON TOWNSHIP, HUNTINGDON COUNTY, PA.

DETAILS

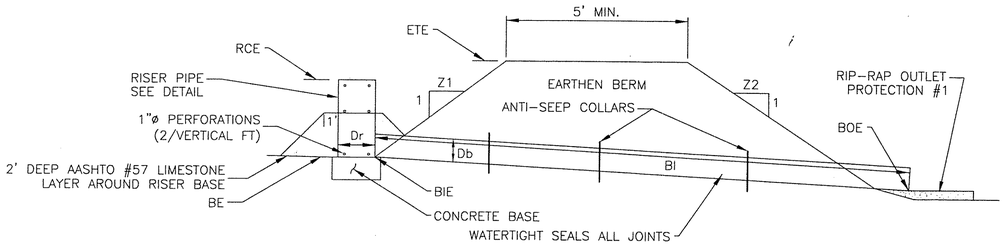
	DATE
DSGN B.R.S.	10/12/06
DFTSMN B.A.S.	10/12/06
CHKR W.L.S.	10/12/06
APPV	

SCALE AS SHOWN

NO.	DESCRIPTION	BY	APPV	DATE

SKELLY AND LOY, INC.
ENGINEERS-CONSULTANTS
2601 NORTH FRONT STREET
HARRISBURG, PENNSYLVANIA
(717)232-0593 (800)892-6532 FAX (717)232-1799

JOB NUMBER: 1505122
DATE: OCTOBER 12 2006

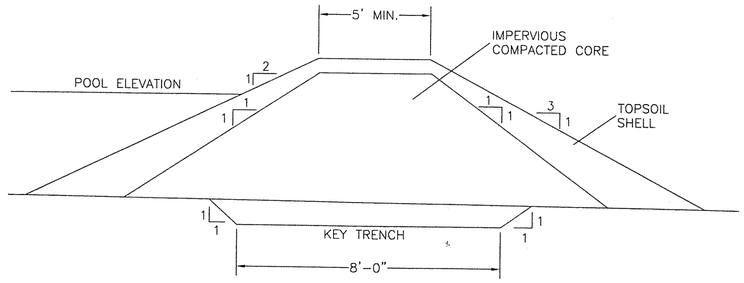


Z1 (FT)	Z2 (FT)	RISER MAT'L	RISER DIA Dr (IN)	RISER CREST ELEV RCE (FT)	RISER BOT PERF ELEV (FT)	BARREL MAT'L	BARREL DIA Db (IN)	BARREL INLET ELEV BIE (FT)	BARREL LENGTH BI (FT)	BARREL OUTLET ELEV BOE (FT)	EMBANK TOP ELEV ETE (FT)	BOTTOM ELEV BE (FT)
2	3	PVC	12	481.0	2	PVC	8	476.0	54	472.0	483.0	476.0

CONCRETE BASE		
LENGTH CBl (IN)	WIDTH CBw (IN)	THICKNESS CBt (IN)
24	24	12

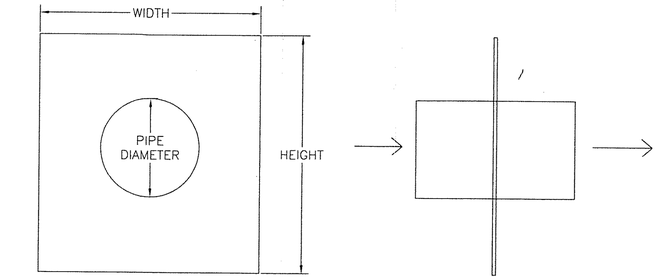
PROPOSED SETTLING POND #1B OUTLET SECTION

NO SCALE



TYPICAL BERM SECTION

NO SCALE



SECTION VIEW

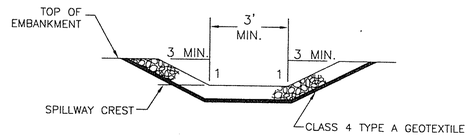
BASIN	PIPE DIAMETER (IN)	WIDTH AND HEIGHT (FT)	NUMBER OF COLLARS
SETTLING POND #1B	8	3	3

NOTE: USE RUBBER ANTI-SEEP COLLARS AS MANUFACTURED BY AGRI DRAIN CORP, ADAIR, IOWA.

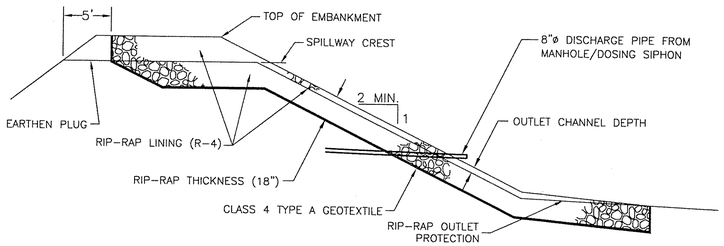
ANTI-SEEP COLLAR DETAIL

NO SCALE

BASIN	TOP OF BERM ELEV.	SPILLWAY CREST ELEV.	FLOW BOTTOM WIDTH (FT)	SPILLWAY LINING
LIMESTONE POND	485.0	484.0	3	R-4



SPILLWAY CROSS-SECTION



EMBANKMENT SECTION

ROCK-LINED EMERGENCY SPILLWAY/OUTLET PROTECTION DETAIL

NO SCALE

DRAWING NO. C-3

SHEET 3 OF 3

"PLAN" FOR OLD NEVER SWEAT AMD REMEDIATION PROJECT

CARBON TOWNSHIP HUNTINGDON COUNTY, PA

DETAILS

DSGN B.R.S. DATE 10/12/06
DRAWN J.S. 10/12/06
CHKD. T.W.S. 10/12/06
APPV. SCALE AS SHOWN

REV	DESCRIPTION	BY	APPV.	DATE

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