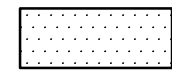
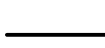



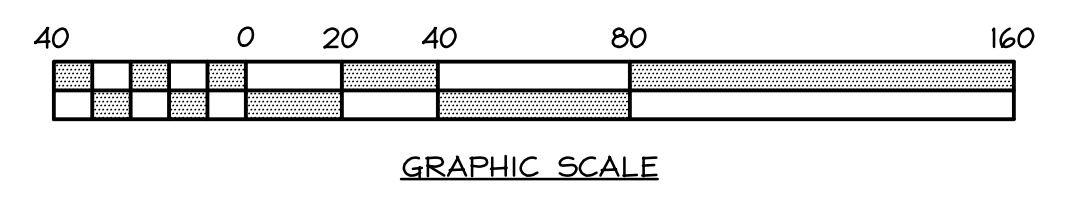


**AS BUILT DRAWING
MAY 2018**

ALL TEMPORARY E&S CONTROLS REQUIRED DURING CONSTRUCTION
HAVE BEEN REMOVED FROM THE SITE.
PERMANENT CONTROLS AS-BUILT AND SHOWN ON APPLICABLE PLAN
SHEETS.

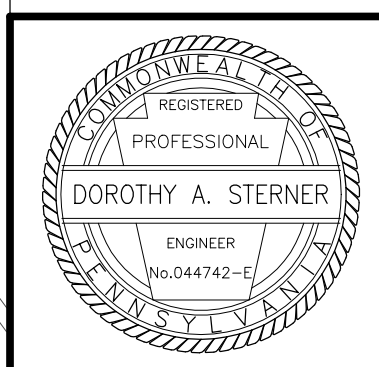
LEGEND

-  EROSION CONTROL FABRIC (2:1 SLOPES) SEE DETAIL
- LeB** SOIL DESCRIPTION
-  SOIL BOUNDARY
-  30" FILTER FABRIC FENCE
-  18" FILTER FABRIC FENCE
-  SUPER SILT FABRIC FENCE



REVISION	DATE	DESCRIPTION	BY
3	08/11/06	REVISED FOR CONSTRUCTION	AFJ
2	05/27/05	REVISED PER TOWNSHIP REVIEW	AFJ
1	04/29/05	REVISED PER SCD REVIEW	AFJ

SEIDERS HILL, INC. LOT 114 FINAL PLAN - PHASE I		DATE: 04/13/05
NORTH MANHEIM TOWNSHIP SCHUYLKILL COUNTY, PA		SCALE: 1" = 40'
WJP Engineers		DRAWN BY: MTG/AFJ
Pottsville, PA 17901 Telephone (570) 622-4550		APPROVED BY: DAS
EROSION and SEDIMENT CONTROL PLAN		DRAWING NO: 9607-12
		SHEET NO: ES-1



ADDITIONAL EROSION AND SEDIMENT CONTROL PLAN NOTES

1. MONITORING AND REPORTING REQUIREMENTS

a. Visual Inspections

The permittee and co-permittee must ensure that visual site inspections are conducted weekly, and after each precipitation event by qualified personnel, trained and experienced in erosion and sediment control, to ascertain that BMPs are operational and effective in preventing pollution to the waters of the Commonwealth. A written report of each inspection shall be kept, and include:

- (1) a summary of site conditions, BMPs, and compliance; and
- (2) the date, time, and the name of the person conducting the inspection.

b. Non-compliance Reporting

Where BMPs are found to be inoperative or ineffective during an inspection, or any other time, the permittee and co-permittee shall immediately contact the reviewing entity, by phone or personal contact, followed by the submission of a written report within 5 days of the initial contact. Non-compliance reports shall include the following information:

- (1) any condition on the project site which may endanger public health, safety, or the environment, or involve incidents which cause or threaten pollution;
- (2) the period of non-compliance, including exact dates and times and/or anticipated time when the activity will return to compliance;
- (3) steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance; and
- (4) the date or schedule of dates, and identifying remedies for correcting non-compliance conditions.

c. Supplemental Monitoring

The Department and the local conservation district when acting as the reviewing entity, reserve the right to require additional monitoring where a danger of water pollution is present, or water pollution is suspected to be occurring from a construction activity subject to this general permit. The permittee or co-permittee shall commence such monitoring upon notification from the Department, or the local county conservation district when acting as the reviewing entity.

2. RECORD KEEPING

a. Retention of Records

The permittee and co-permittee shall retain records of all monitoring information including copies of all monitoring and inspection reports required by this permit, and records of data used to complete the Notice of Intent for this permit, for a period of three years from the date of the termination of coverage under this permit.

b. Reporting of Monitoring Reports

Monitoring results shall be submitted to the reviewing entity upon request.

3. REDUCTION, LOSS, OR FAILURE OF THE BMPs

Upon reduction, loss, or failure of the BMPs, the permittee and co-permittee shall take immediate action to restore the BMPs or provide an alternative method of treatment.

4. RECYCLING AND DISPOSAL OF BUILDING MATERIALS AND WASTES

All building materials and wastes must be removed from the site and recycled or disposed in accordance with the Department's Solid Waste Management Regulations at 24 Pa. Code Section 260.1 et seq., Section 271.1 et seq. and Section 287.1 et seq. No building material or wastes or unused building materials shall be buried, dumped, or discharged at the site.

5. PREPAREDNESS, PREVENTION AND CONTINGENCY PLANS

If the potential exists for causing accidental pollution of air, land, or water, or for causing endangerment of public health and safety through accidental release of toxic, hazardous, or other polluting materials, the contractor must develop a Preparedness, Prevention, and Contingency (PPC) Plan. The PPC Plan shall be developed in accordance with Department regulations. The PPC Plan shall identify areas which may include, but are not limited to, waste management areas, raw material storage areas, temporary and permanent spoils storage areas, maintenance areas, and any other areas that may have the potential to cause non-compliance with the terms and conditions of this permit due to the storage, handling, or disposal of any toxic or hazardous substances such as oil, gasoline, pesticides, herbicides, solvents, etc. BMPs shall be developed and implemented for each identified area. The PPC Plan shall be maintained on site at all times and shall be made available for review at the Department's or county conservation district's request.

6. SPOIL OR BORROW AREA

An Erosion and Sediment Control Plan, shall be prepared, developed and implemented for all spoil and borrow areas, regardless of their location.

7. Sediment removed from the BMPs shall be placed on the stockpiles.

8. The receiving watershed is the West Branch of the Schuylkill River - CWF.

9. Sediment removed from the pumped water filter bags shall be placed on the stockpiles.

10. Construction traffic shall proceed south on Red Horse Road to SR 901 and shall not pass through the residential portion of Seiders Hill Development.

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

1. Vehicles and equipment may neither enter directly to nor exit directly from Lot 114 onto SR 901.

2. Stockpile heights must not exceed 35 feet. Stockpiles must be 2:1 or flatter.

3. The operator shall assure that the approved erosion and sediment control plan is properly and completely implemented.

4. Until the site reaches final stabilization, the operator shall assure that the best management practices are implemented, operated, and maintained properly and completely. Maintenance shall include inspections of all best management practice facilities and maintain and make available to Schuylkill Conservation District complete, written inspection logs of all those inspections. All maintenance work including cleaning, repair, replacement, regrading, and restabilization shall be performed immediately.

5. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices to eliminate potential for accelerated erosion and/or sediment pollution.

6. Before initiating any revisions to the approved erosion and sediment control plan or revisions to other plans which may affect the effectiveness of the approved E&S control plan, the operator must receive approval of the revisions from the Schuylkill Conservation District.

7. The operator shall assure that an erosion and sediment control plan has been prepared, approved by the Schuylkill Conservation District, and is being implemented and maintained for all soil and/or rock spoil and borrow areas, regardless of their locations.

8. All pumping of sediment-laden water shall be through a sediment control BMP, such as a pumped water filter bag discharging over non-disturbed areas.

9. The contractor is advised to become thoroughly familiar with the provisions of the Appendix 64, Erosion Control Rules and Regulations, Title 25, Part 1, Department of Environmental Protection, Subpart C, Protection of Natural Resources, Article III, Water Resources, Chapter 102, Erosion Control.

10. A copy of the approved erosion and sediment control plan must be available at the project site at all times.

11. Erosion and sediment BMPs must be constructed, stabilized, and functional before site disturbance begins within the tributary areas of those BMPs.

12. After final stabilization has been achieved, temporary erosion and sediment BMPs controls must be removed. Areas disturbed during removal of the BMPs must be stabilized immediately.

13. Immediately after earth disturbance activities cease, the operator shall stabilize any areas disturbed by the activities. During non-germinating periods, mulch must be applied at the specified rates. Disturbed areas which are not at finished grade and which will be redisturbed within 1 year must be stabilized in accordance with the temporary vegetative stabilization specifications. Disturbed areas which are at finished grade or which will not be redisturbed within 1 year must be stabilized in accordance with the permanent vegetative stabilization specifications.

14. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements.

Sediment Basins

15. Baffles must be installed to allow basin maintenance and clean out.

16. Upon installation of the temporary sediment basin riser(s), an immediate inspection of the riser(s) shall be conducted by a qualified site representative and Schuylkill Conservation District shall be notified in writing that the riser is sealed.

17. Sediment basins must be protected from unauthorized acts of third parties.

18. Sediment must be removed from stormwater inlet protection after each runoff event.

Temporary Stabilization & Permanent Stabilization

19. Hay or straw mulch must be applied at 3.0 tons per acre.

20. Mulch with mulch control netting or erosion control blankets must be installed on all slopes 3:1 and steeper.

21. Straw mulch shall be applied in long strands, not chopped or finely broken.

22. Until the site is stabilized, all erosion and sediment BMPs must be maintained properly. Maintenance must include inspections of all erosion and sediment controls BMPs after each runoff event and on a weekly-basis. All preventative and remedial maintenance work, including clean out, repair, replacement, regrading, reseeding, remulching, and resetting, must be performed immediately. If erosion and sediment control BMPs fail to perform as expected, replacement BMPs, or modifications of those installed will be required.

23. Sediment removed from BMPs shall be disposed of in landscaped areas outside of steep slopes, wetlands, floodplains, or drainage swales and immediately stabilized, or placed in topsoil stockpiles.

24. The operator shall remove from the site, recycle or dispose of all building materials and wastes in accordance with the Department's Solid Waste Management Regulations at 25 Pa. Code 260.1 et seq., 271.1 et seq., and 287.1 et seq. The contractor shall not illegally bury, dump, or discharge any building material or wastes at the site.

25. The total length of excavated trench open at any one time should not be greater than the total length of pipeline/utility line that can be placed in the trench and backfilled in one working day.

26. No more than 50 lineal feet of open trench should exist when pipeline/utility line installation ceases at the end of the workday.

THE STAGING OF EARTHMOVING ACTIVITIES

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED TO ONLY THOSE AREAS DESCRIBED IN EACH STAGE.

1. At least 7 days before any earth disturbance activities, the operator shall invite all contractors involved in those activities, the landowner, all appropriate municipal officials, the erosion and sediment control plan preparer, and the Schuylkill Conservation District to an on-site meeting. Also, at least 3 days before starting any earth disturbance activities, all contractors involved in those activities shall notify the Pennsylvania One Call System, Inc., at 1-800-242-1776 for buried utilities locations.

2. INSTALL Rock Construction Entrance for common access area entrance.

3. INSTALL Rock Filter Outlet or existing Roadside Swale, along SR 901. INSTALL S-23 to S-22 to S-21 to S-24 to existing swale. STABILIZE area with seed and mulch. Construct modifications to basin to temporary sediment basin. Remove debris from existing structure.

4. INSTALL S-1 to S-2 to S-3 to S-4 to S-5 to S-6 to S-13 to S-15 and rip rap apron. INSTALL slope protection above S-1 to S-5 in area of 2:1 slope. INSTALL S-7A to S-8 to S-12 to S-13.

5. INSTALL 8" sanitary sewers and manholes; INSTALL 2" and 4" force mains. INSTALL 8" water main and fire hydrants; INSTALL gas main.

6. Grade common access area to subgrade elevations. Development of the individual building area may begin at this time.

7. Pave common access area.

8. Grade and Stabilize Future Area.

9. Building 2

A. If the common access road is paved before Building 2 area construction is complete, INSTALL a construction entrance to this area. INSTALL 30" filter fabric fence.

B. INSTALL S-17 to S-18, Swale A, and STABILIZE this by-pass area. INSTALL 18" Filter Fabric Fence. INSTALL S-16 to S-17 and retaining wall.

C. INSTALL utility laterals (sewer, water, gas) to the building and place fill for parking area. Construction of the building may commence at this step.

D. INSTALL lighting and landscaping, and erosion control fabric. Pave Building 2 area.

E. Remove 18" and 30" filter fabric fence when upslope area is stabilized.

9. Building 3

A. If the common access road is paved from Building 3 area construction is complete, INSTALL a construction entrance to this area. INSTALL 30" filter fabric fence along SR 901 downslope of the proposed work area.

B. INSTALL stub to Building 4 area for S-10 and INSTALL S-11 to S-12. INSTALL retaining wall and INSTALL S-19 to S-19A to S-20, snout and rip rap apron as grading progressed.

C. INSTALL utility laterals (sewer, water, gas) to the building and place fill for parking area. Construction of the building may commence at this step.

D. INSTALL lighting and landscaping, and erosion control fabric. Pave Building 3 area.

E. Remove 30" filter fence when upslope area is stabilized.

9. Building 4

A. If the common access road is paved from Building 4 area construction is complete, INSTALL a construction entrance to this area. INSTALL 30" filter fabric fence along SR 901 downslope of the proposed work area.

B. INSTALL S-7 to S-7A. INSTALL retaining wall and INSTALL S-9 to S-10 to S-11 and rip rap apron. If Building 3 is not constructed, INSTALL S-11 to S-12.

C. INSTALL utility laterals (sewer, water, gas) to the building and place fill for parking area. Construction of the building may commence at this step.

D. INSTALL lighting and landscaping, and erosion control fabric. Pave Building 4 area.

E. Remove 30" filter fence when upslope area is stabilized.

9. Building 5

A. If the common access road is paved from Building 5 area construction is complete, INSTALL a construction entrance to this area.

B. INSTALL utility laterals (sewer, water, gas) to the building and place fill for parking area. Construction of the building may commence at this step.

C. Grade areas to subgrade elevations.

D. INSTALL lighting and landscaping. Pave Building 5 area.

10. After Stage 8 has been completed and all buildings and all areas have achieved final stabilization, REMOVE all accumulated sediment from sediment basin. IMMEDIATELY STABILIZE the affected areas. An area shall be considered to have achieved final stabilization when it has a minimum uniform 70% perennial vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements.

11. After the areas affected in Stage 9 have achieved final stabilization, modify the riser in the basin to convert it to the PCSM basin, in 1 day. IMMEDIATELY STABILIZE the affected areas.

TEMPORARY AND PERMANENT STABILIZATION SPECIFICATIONS

Temporary Seeding

PADOT Formula E - Annual Ryegrass (Lolium multiflorum) 88.2% PLS, 48 lbs/ac

Lime at 45 lbs per 1000 SF and mulch at 3 ton/ac or during non-seeding dates mulch at 3 ton/ac

Seeding dates 3/15 to 10/15

Permanent Seeding

PADOT Formula B - Perennial Ryegrass 88.2% PLS, 20 lbs/ac
Creeping Red Fescue 83.3% PLS, 29 lbs/ac
Kentucky Bluegrass Mixture 78.4% PLS, 53 lbs/ac

Fertilize at 100-200-200 lbs/ac

Lime at 6 ton/ac or per soil test recommendations

Mulch at 3 ton/ac or at a 3/4-inch to 1-inch layer

Seeding dates 3/15 to 6/1 and 8/1 to 10/15

Permanent Seeding - Steep Slopes/Utility Rights-of-Ways/Detention Basins

PADOT Formula D - Tall Fescue 83.3% PLS, 73 lbs/ac
Creeping Red Fescue 83.3% PLS, 29 lbs/ac

Fertilize at 100-200-200 lbs/ac

Lime at 6 ton/ac or per soil test recommendations

Mulch at 3 ton/ac or at a 3/4-inch to 1-inch layer

Seeding dates 3/15 to 6/1 and 8/1 to 10/15

PADOT Formula C - Crownvetch 69.3% PLS, 20 lbs/ac

Fertilize at 100-200-200 lbs/ac
Lime at 6 ton/ac or per soil test recommendations

Mulch at 3 ton/ac or at a 3/4-inch to 1-inch layer

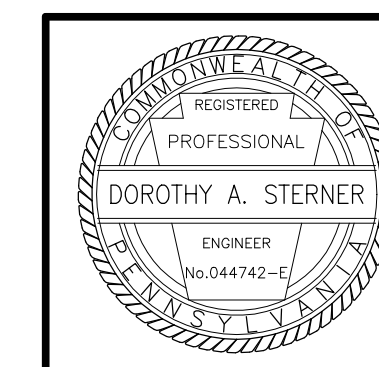
Seeding dates 3/15 to 6/1 and 8/1 to 10/15

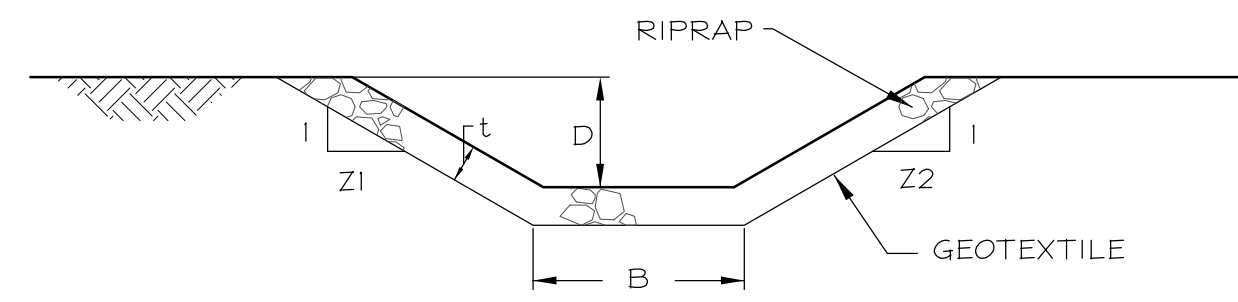
(Ref. Penn State Agronomy Guide and PADOT Publication 408)

**AS BUILT DRAWING
MAY 2018**

**ALL TEMPORARY E&S CONTROLS REQUIRED DURING CONSTRUCTION
HAVE BEEN REMOVED FROM THE SITE.
PERMANENT CONTROLS AS-BUILT AND SHOWN ON APPLICABLE PLAN
SHEETS.**

2	05/27/05	REVISED PER TOWNSHIP REVIEW	AFJ
1	04/29/05	REVISED PER SCD REVIEW	AFJ
REVISION	DATE	DESCRIPTION	BY
SEIDERS HILL LOT 114 FINAL PLAN - PHASE I			DATE: 04/13/04
NORTH MANHEIM TOWNSHIP			SCALE: NOTED
SCHUYLKILL COUNTY, PA			DRAWN BY: MTG/AFJ
WJP Engineers			APPROVED BY: DAS
Pottsville, PA 17901 Telephone (570) 622-4550			DRAWING NO: 9607-12
EROSION and SEDIMENT CONTROL NOTES			SHEET NO: ES-2



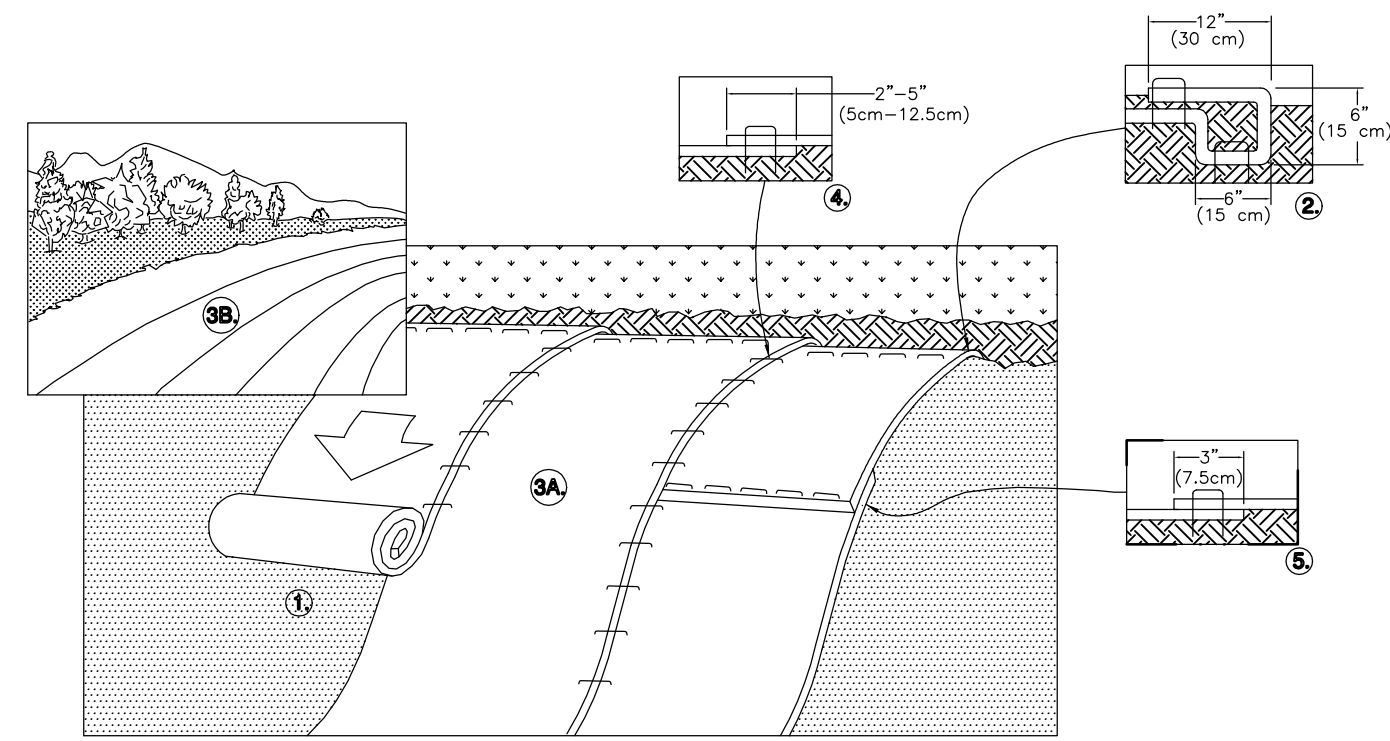


CHANNEL CROSS-SECTION

CHANNEL NO.	SLOPE	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	RIPRAP	
						SIZE (R-)	THICK. t (IN)
A	5%	4	2	4	4	R-3	9

RIPRAP CHANNELS

N.T.S.



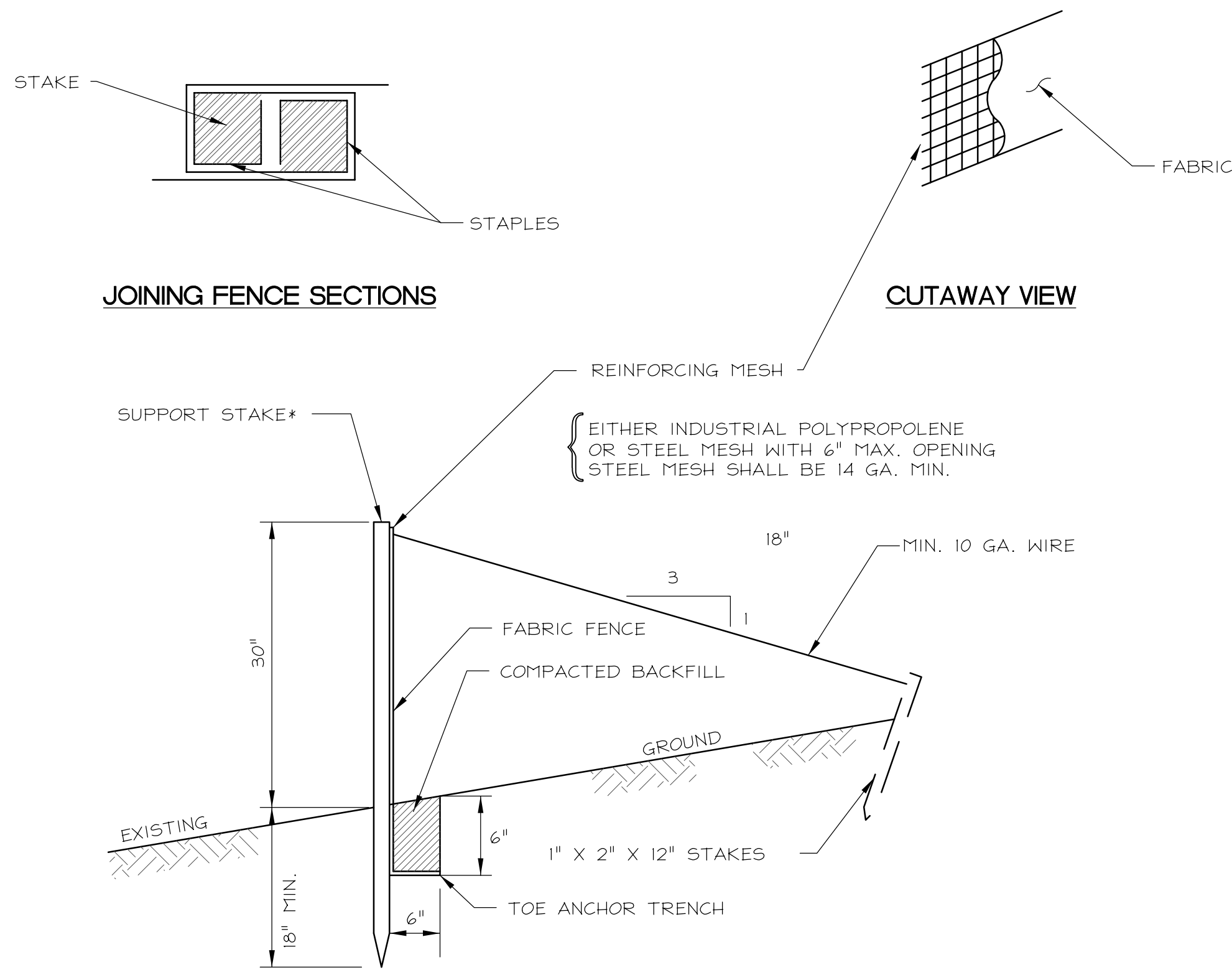
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A) DOWN OR (B), HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM*, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM SITTING ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725
USA 1-800-772-2040 CANADA 1-800-448-2040
www.nogreen.com

SLOPE PROTECTION

N.T.S.

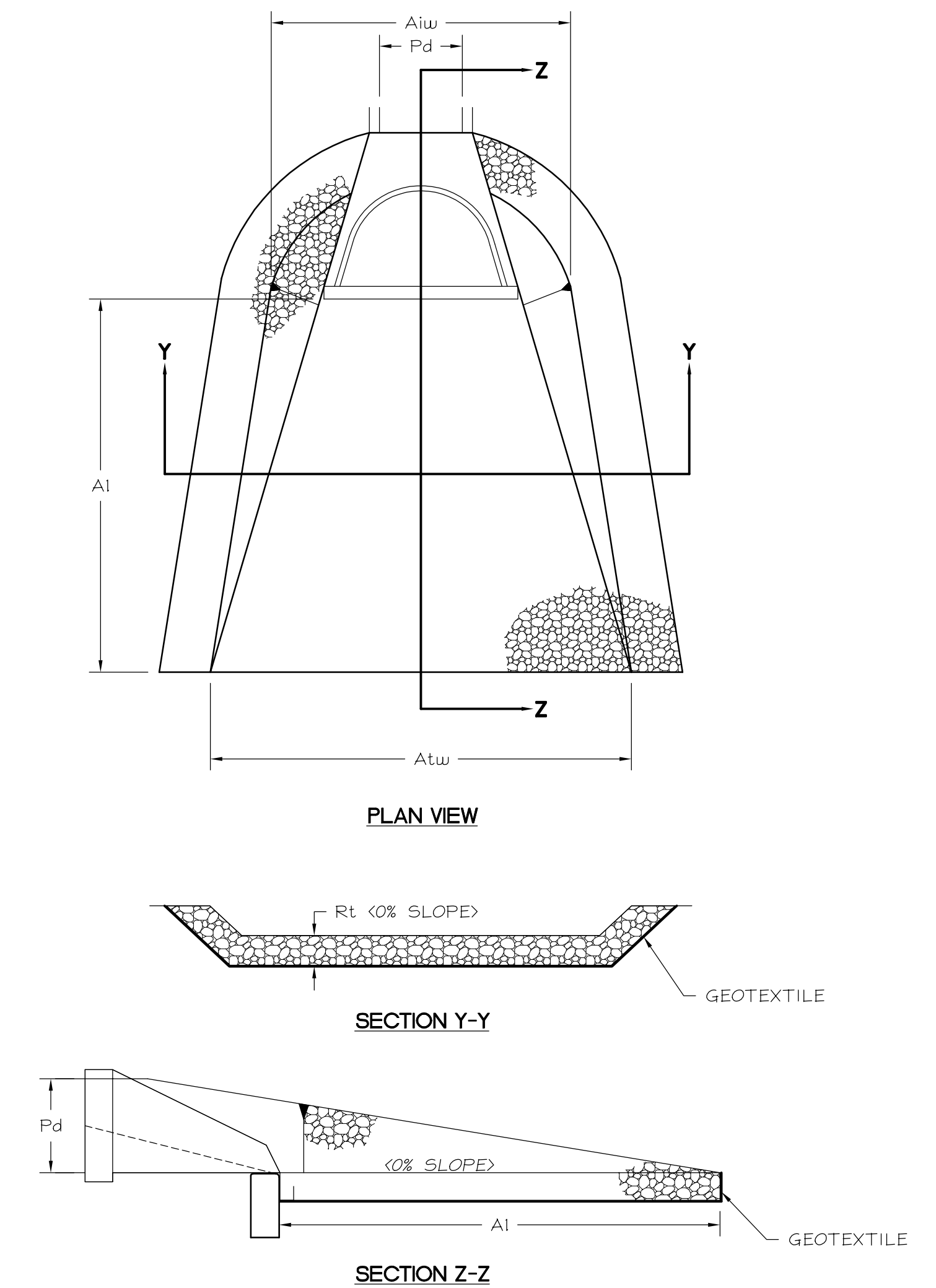


NOTE: SHOW ALL DETAILS AND CONSTRUCTION DIMENSIONS ON PLAN DRAWINGS.

Filter Fabric Fence must be installed at existing level grade. Both ends of each fence section must be extended at least 8 feet upslope at 45 degrees to the main fence alignment. Sediment must be removed where accumulations reach 1/2 the above ground height of the fence. Any fence section which has been undermined or topped must be immediately replaced with a Rock Filter Outlet. See Standard Construction Detail #18.

REINFORCED FILTER FABRIC FENCE (30" HIGH)

N.T.S.



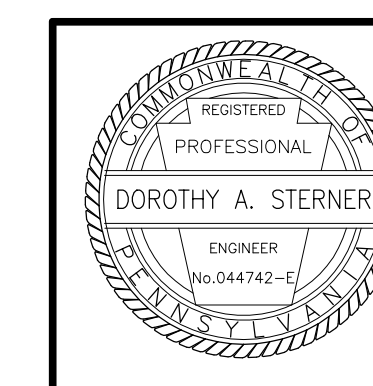
OUTLET	PIPE DIA Pd (IN)	RIP-RAP THICKNESS SIZE Rt (R-) (IN)	APRON LENGTH A1 (FT)	APRON INITIAL WIDTH Aiw (FT)	APRON TERMINAL WIDTH Atw (FT)
S-15	24	6 30	30	6	21
S-20	15	3 9	8	4	12

RIP-RAP APRONS AT FLARED END SECTIONS

N.T.S.

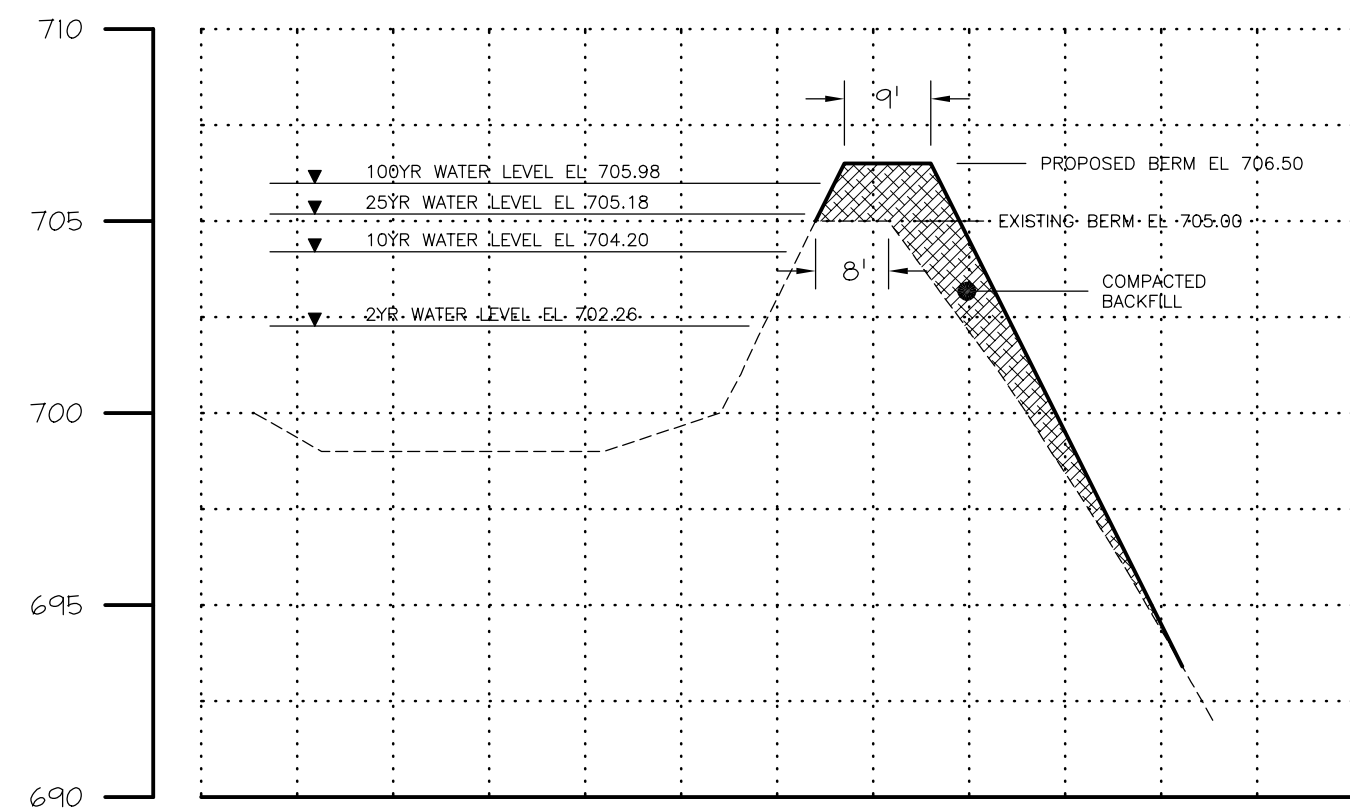
AS BUILT DRAWING
MAY 2018

ALL TEMPORARY E&S CONTROLS REQUIRED DURING CONSTRUCTION HAVE BEEN REMOVED FROM THE SITE. PERMANENT CONTROLS AS-BUILT AND SHOWN ON APPLICABLE PLAN SHEETS.

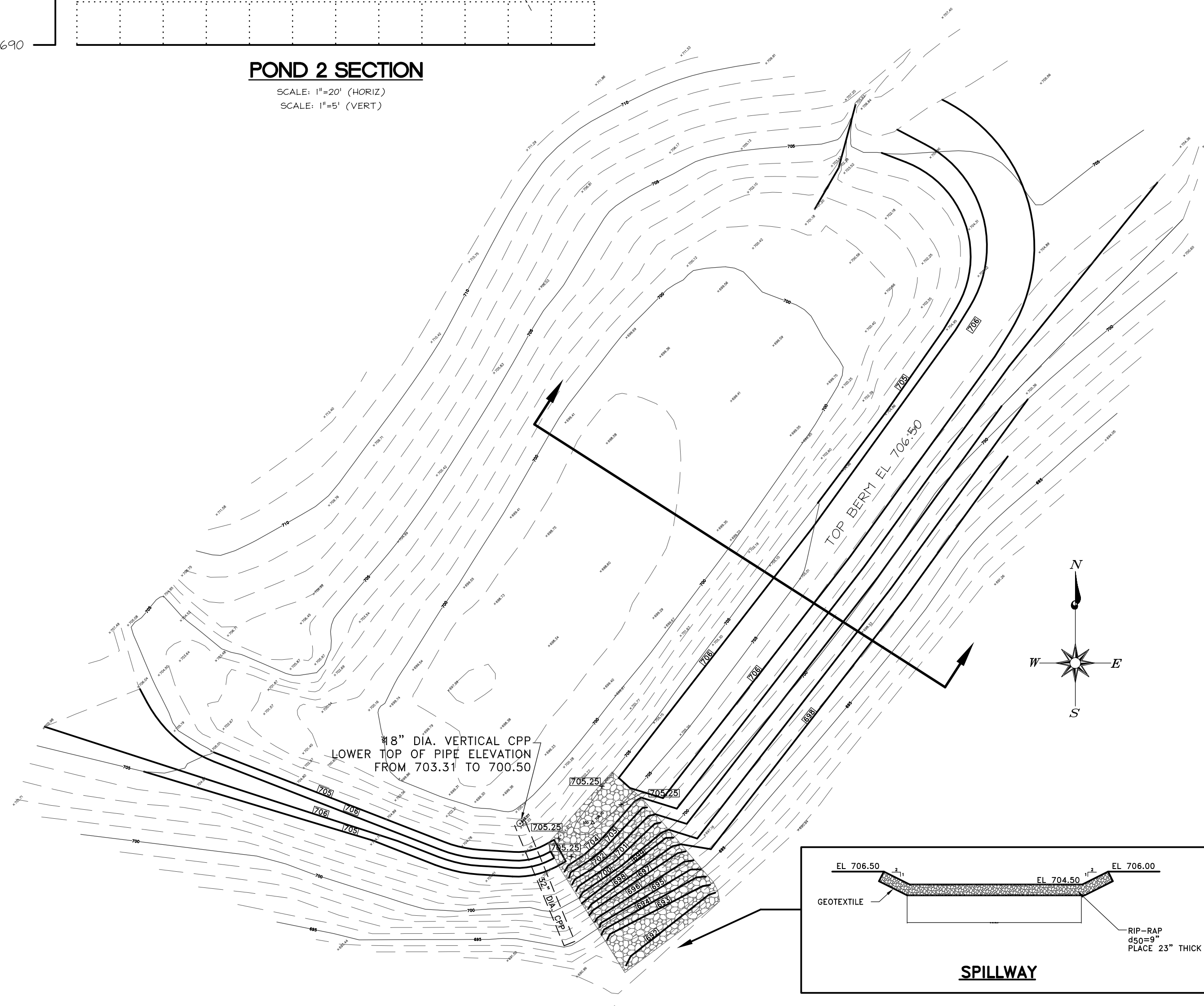


REVISION	DATE	DESCRIPTION	BY

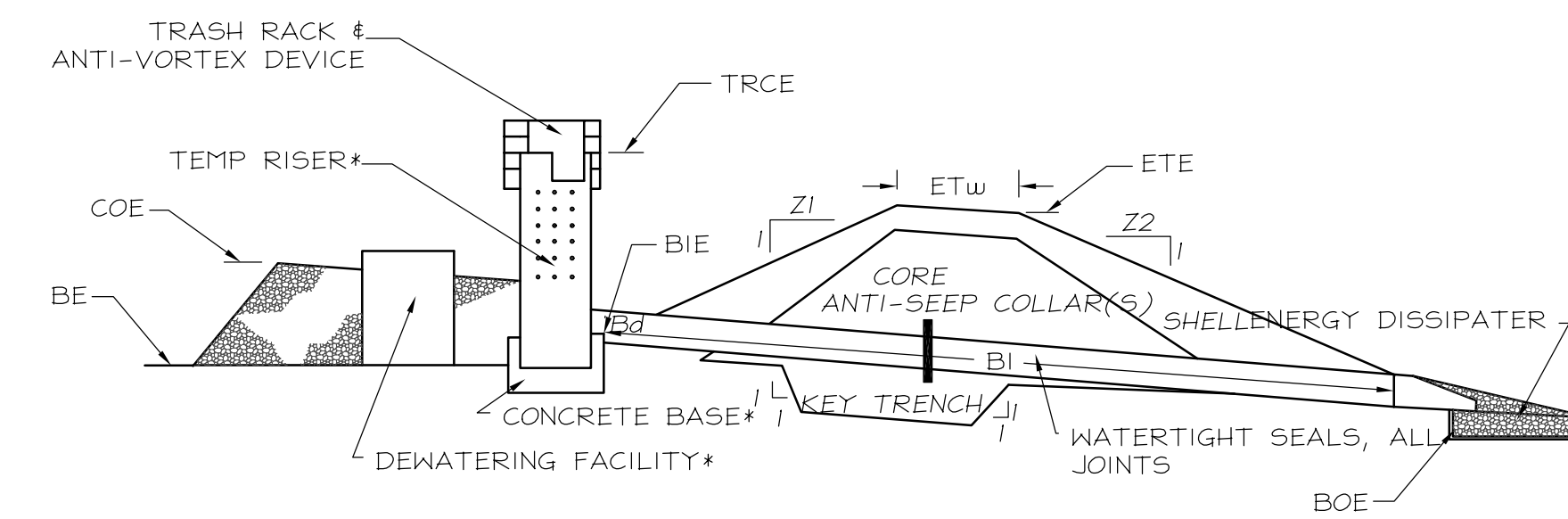
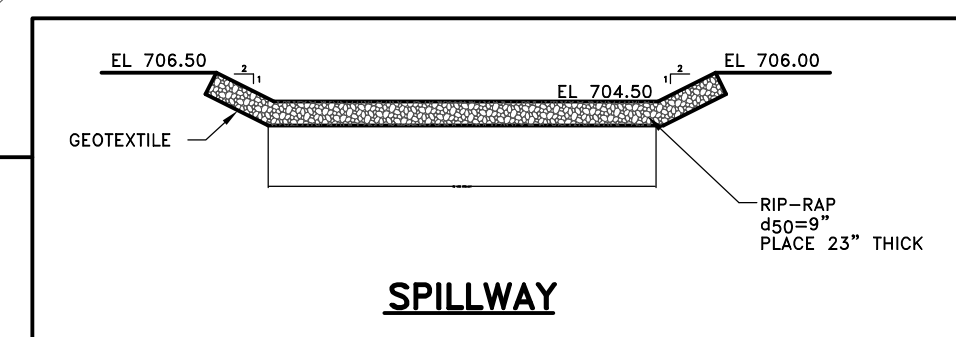
SEIDERS HILL LOT 114 FINAL PLAN - PHASE I		DATE: 04/13/04
NORTH MANHEIM TOWNSHIP		SCALE: NOTED
SCHUYLKILL COUNTY, PA		DRAWN BY: MTG/AFJ
WJP Engineers		APPROVED BY: DAS
Pottsville, PA 17901 Telephone (570) 622-4550		DRAWING NO: 9607-12
EROSION and SEDIMENT CONTROL DETAILS		SHEET NO: ES-3



POND 2 SECTION
SCALE: 1"=20' (HORIZ.)
SCALE: 1"=5' (VERT.)



POND 2 MODIFICATIONS
SCALE: 1"=20'



EMBANKMENT SECTION ALONG PRINCIPAL SPILLWAY

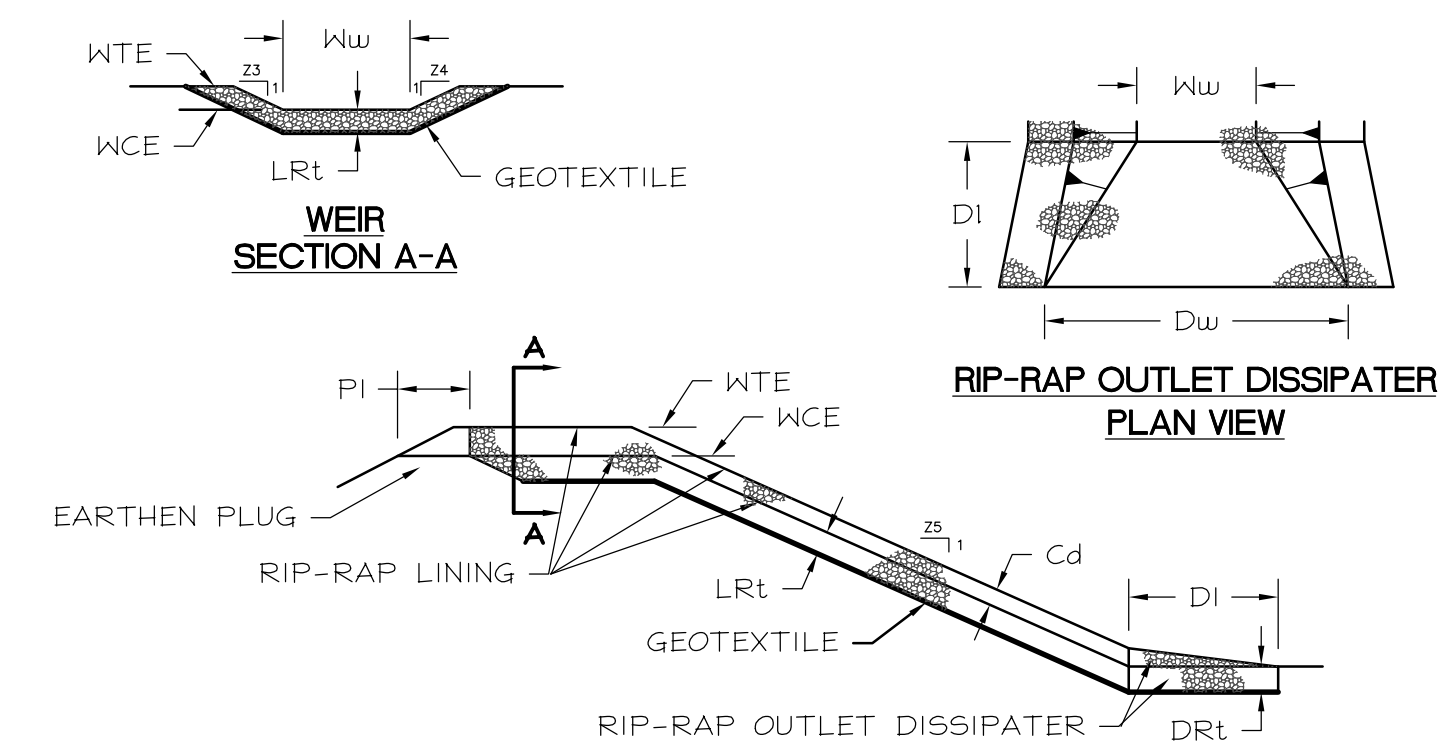
BASIN NO.	TEMPORARY RISER			BARREL			EMBANKMENT		CLEAN OUT ELEV. COE (FT)	BOTTOM ELEV. BE (FT)				
	Z1 (FT)	Z2 (FT)	DIA TRd (IN)	CREST ELEV TRCE (FT)	MAT'L	DIA Bt (IN)	INLET ELEV BIE (FT)	LENGTH BI (FT)			OUTLET ELEV BOE (FT)	TOP ELEV ETE (FT)	TOP WIDTH ETW (FT)	
1	2	2	18	703.31	CCP	30	698±	CCP	30	693.27	706.50	9	700.20	698.00

* ALSO REFER TO SEDIMENT BASIN TEMPORARY RISER, EMERGENCY SPILLWAY, ENERGY DISSIPATER, TRASH RACK AND ANTI-VORTEX DEVICE, AND SEDIMENT STORAGE DEWATERING FACILITY DETAILS.
A CLEANOUT STAKE SHALL BE PLACED NEAR THE CENTER OF EACH BASIN. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEANOUT ELEVATION ON THE STAKE.

EXISTING BASIN IS IN PLACE EMBANKMENT MODIFICATIONS FOR E#5.

SEDIMENT BASIN

N.T.S.



WHEREVER RIP-RAP IS USED AS A PROTECTIVE LINER IN AN EMERGENCY SPILLWAY, A COMPACTED AND STABILIZED EARTHEN PLUG SHOULD BE LEFT IN PLACE (ON THE INNER SIDE OF THE SPILLWAY) TO PREVENT WATER FROM DISCHARGING THROUGH THE EMERGENCY SPILLWAY UNTIL THE DESIGN WATER ELEVATION IS REACHED.

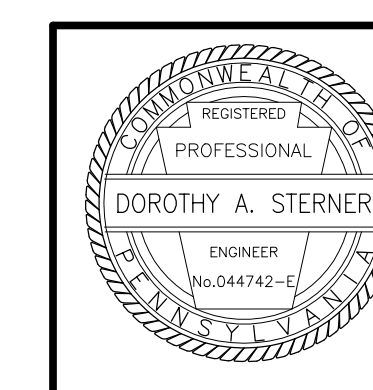
BASIN NO.	WEIR		LINING		CHANNEL		DISSIPATER						
	Z3 (FT)	Z4 (FT)	TOP ELEV WTE (FT)	CREST ELEV WCE (FT)	WIDTH Wlw (FT)	RIP-RAP SIZE (R-)	RIP-RAP THICK. LRT (IN)	Z5 (FT)	DEPTH Cd (FT)	LENGTH D1 (FT)	WIDTH Dw (FT)	RIP-RAP SIZE (R-)	RIP-RAP THICK. DRT (IN)
1	3	3	706.50	704.50	20	5	23"	2.5	1	10	30	5	23

SEDIMENT BASIN EMERGENCY SPILLWAYS

N.T.S.

AS BUILT DRAWING
MAY 2018

ALL TEMPORARY E&S CONTROLS REQUIRED DURING CONSTRUCTION HAVE BEEN REMOVED FROM THE SITE.
PERMANENT CONTROLS AS-BUILT AND SHOWN ON APPLICABLE PLAN SHEETS.



REVISION	DATE	DESCRIPTION	BY

SEIDERS HILL LOT 114 FINAL PLAN - PHASE I		DATE: 04/13/04
NORTH MANHEIM TOWNSHIP SCHUYLKILL COUNTY, PA		SCALE: NOTED
WJP Engineers		DRAWN BY: MTG/AFJ
Pottsville, PA 17901 Telephone (570) 622-4550		APPROVED BY: DAS
SEDIMENT BASIN DETAILS		DRAWING NO: 9607-12
		SHEET NO: ES-4



AS BUILT DRAWING
MAY 2018

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SHEETS.

--- START OF CONSTRUCTION DRAINAGE AREA
— MAXIMUM CONSTRUCTION DRAINAGE AREA

REVISION	DATE	DESCRIPTION	BY
2	08/11/06	REVISED FOR CONSTRUCTION	AFJ
1	05/27/05	REVISED PER TOWNSHIP REVIEW	AFJ

SEIDERS HILL, INC. LOT 114 FINAL PLAN - PHASE I		DATE: 04/13/05
NORTH MANHEIM TOWNSHIP WJP Engineers		SCALE: 1" = 40' DRAWN BY: MTG/AFJ
SCHUYLKILL COUNTY, PA Pottsville, PA 17901 Telephone (570) 622-4550		APPROVED BY: DAS DRAWING NO: 9607-12 SHEET NO: ES-5

