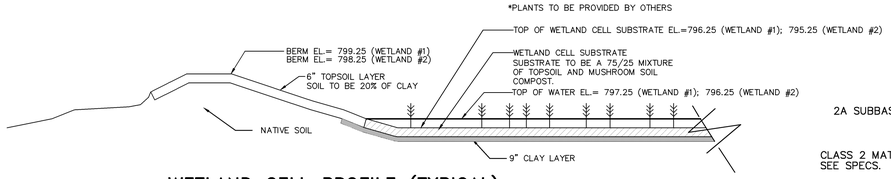
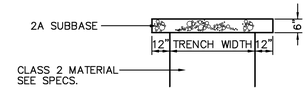


WETLAND CELL PROFILE (TYPICAL)

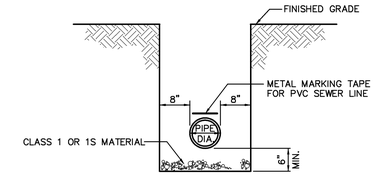
NOT TO SCALE

NOTE:
MATCH EXISTING WIDTH OF DRIVEWAY



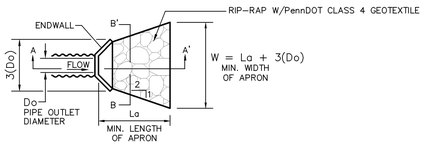
STONE DRIVE RESTORATION

NO SCALE

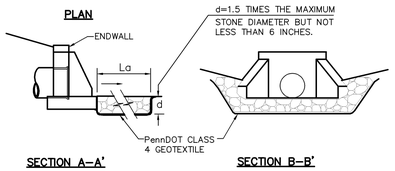


TYPICAL TRENCH DETAIL

NO SCALE



PLAN



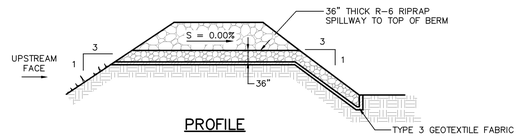
SECTION A–A' SECTION B–B'

EW #	Do (in.)	La (ft.)	W (ft.)	RIP-RAP SIZE
1	30	16	23.5	R-4, 18" THICK

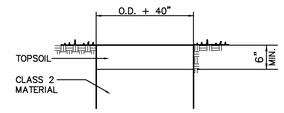
MINIMUM TAILWATER CONDITION (T^W< 0.5 DIAMETER)

PIPE OUTLET PROTECTION

NOT TO SCALE
SD\SD019

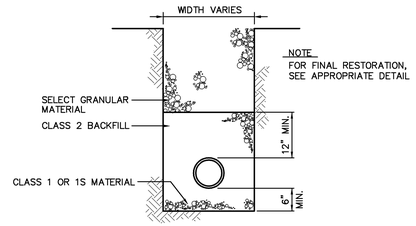


PROFILE



LAWN/FIELD RESTORATION

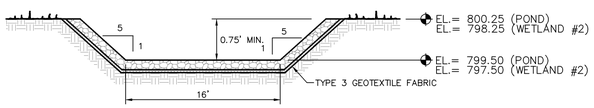
NO SCALE



NOTE
FOR FINAL RESTORATION, SEE APPROPRIATE DETAIL

TYPICAL BACKFILL
(NON-PAVED AREAS)

NO SCALE

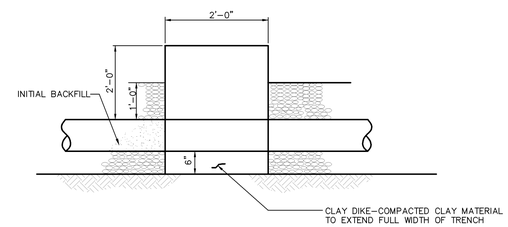


SECTION

POND AND WETLAND #2 OVERFLOWS

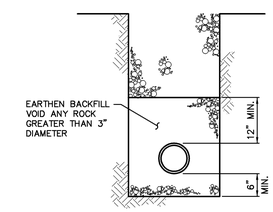
NOT TO SCALE
SD\SD026

NOTE
CLAY DIKE SHALL CONSIST OF CLAY CONTAINING NO MORE THAN 15% (BY VOLUME) STONE NO LARGER THAN TWO (2) INCHES IN DIAMETER. CLAY SHALL BE PLACED IN SIX (6) INCH LIFTS AND COMPACTED BY A MECHANICAL TAMPER TO NOT LESS THAN 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.



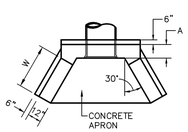
CLAY DIKE DETAIL

NOT TO SCALE

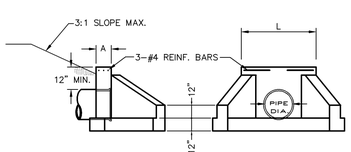


BACKFILL DETAIL FOR INTAKE AND OUTFALL PIPES

PIPE DIAMETER	L	W	A
15" & 18"	4.0'	4.0'	12"
24"	4.6'	4.25'	12"
30"	5.2'	4.4'	12"
36"	5.8'	4.6'	12"
42"	6.3'	5.8'	12"
48"	6.9'	6.9'	12"
54"	7.5'	8.0'	12"
60"	8.1'	9.2'	15"
72"	9.2'	11.5'	15"



PLAN VIEW

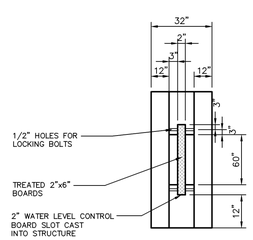


SIDE ELEVATION FRONT ELEVATION

TYPE D–W ENDWALL

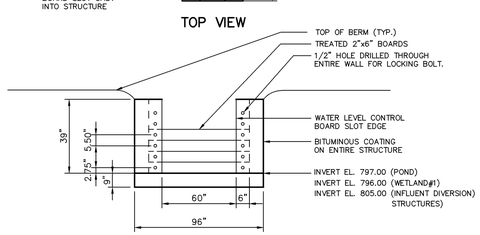
NOT TO SCALE
SD\SD027

NOTES:
1. CONCRETE REINFORCING DESING BY PRE-CAST MANUFACTURER.
2. ALL CONCRETE SHALL BE AT MINIMUM 3,000 PSI.



TOP VIEW

NOTES:
1. ALL CONCRETE SHALL BE COATED WITH COAL TAR EPOXY COATING
2. CONTRACTOR SHALL SUPPLY 4 – 10" SS BOLTS, NUTS & WASHERS PER STRUCTURE.
3. CONTRACTOR SHALL SUPPLY SIX – 6' TREATED 2X6 BOARDS WITH 1/2" HOLES DRILLED TO FIT LOCKING HOLES PER STRUCTURE.
4. CONTRACTOR SHALL SUPPLY TWO – 3' TREATED 2X6 BOARDS WITH 1/2" HOLES DRILLED 5 1/2" APART TO FIT LOCKING HOLES PER STRUCTURE.

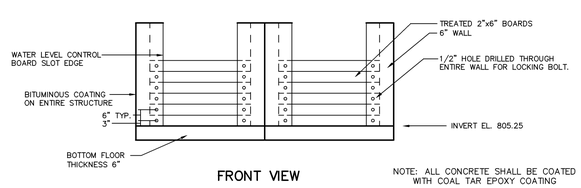


FRONT VIEW

NOTE: ALL CONCRETE SHALL BE COATED WITH COAL TAR EPOXY COATING

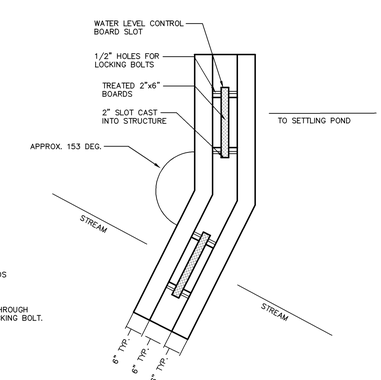
POND AND WETLAND#1 WATER CONTROL STRUCTURES

NOT TO SCALE



FRONT VIEW

NOTE: ALL CONCRETE SHALL BE COATED WITH COAL TAR EPOXY COATING



TOP VIEW

INFLUENT DIVERSION STRUCTURE

NOT TO SCALE

NO.	DATE	REVISION
2	12/16/04	REVISED PROPOSED SITE ELEVATIONS
1	7/6/04	REVISED PLAN SCHEME

FOR RETTEW ASSOCIATES BY:

SURV. CHIEF: R. ORNER | FIELDBOOK NO. DMR COLLECTOR
DRAWN BY: TK/MJS | CHKD BY: CEB
MANAGER: CLAYTON BUBECK, P.E. | CHKD BY:
DESIGN BY: CEB/PGD
DRAWING REFERENCE: N:\02\024234-01\CADD (2ft lower)\Drawing\02423401-details.dwg
XREFS: 02423401-tb [N:\02\024234-01\CADD (2ft lower)\Drawing\02423401-tbsb.dwg] profiles [N:\02\024234-01\CADD (2ft lower)\profiles.dwg] civil drainage details [N:\02\024234-01\CADD (2ft lower)\Drawing\civil drainage details.dwg]

CLIENT
SCHUYLKILL HEADWATERS ASSOCIATION, INC.
P.O. BOX 138
POTTSVILLE, PA 17901
(570) 385-2122

SCALE: NO SCALE

RETTEW ASSOCIATES, INC.
3020 Columbia Ave., Lancaster, PA 17603
Phone (717) 394-3721 • Fax (717) 394-1063
Email: rettew@rettew.com
Website: www.rettew.com
Bethlehem, PA • Camp Hill, PA • Pottsville, PA • York, PA
Engineers • Planners • Scientists • Landscape Architects • Surveyors

ABANDONED MINE DRAINAGE REMEDIATION PROJECT FOR THE OTTO DISCHARGE

SCHUYLKILL HEADWATERS ASSOCIATION, INC.

SITE DETAILS

REILLY TOWNSHIP SCHUYLKILL COUNTY, PA

DATE: MAY 22, 2003

SHEET NO. 5 OF 7

DWG. NO. 02-04234-001

BIDDING DOCUMENTS