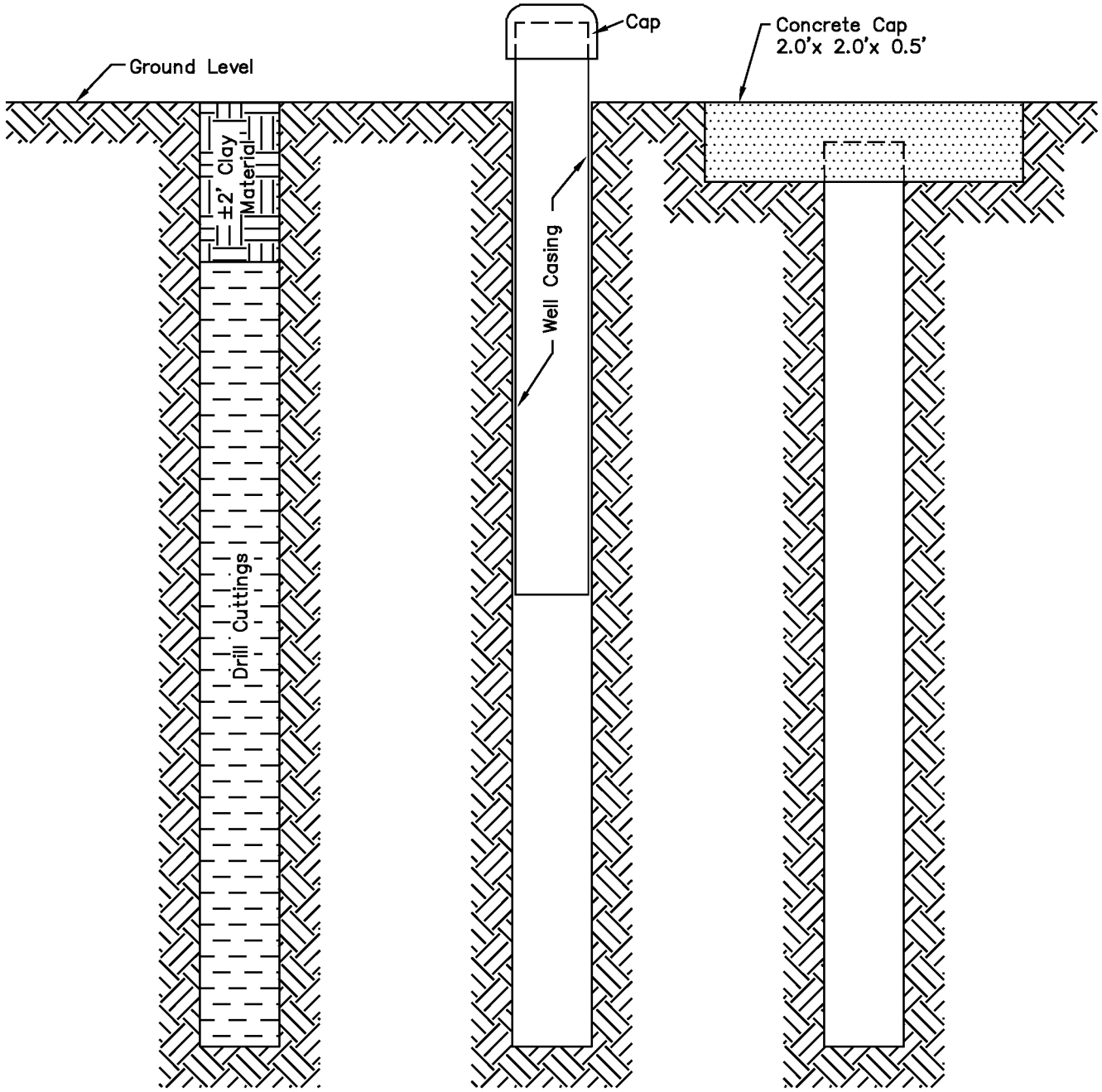

ATTACHMENT III-A-6

PERC
ENGINEERING CO., INC.

MONITORING WELL AND EXPLORATION HOLE MAINTENANCE AND SEALING DETAILS

DRAWN BY: R.E.P.	DATE: 6-28-89
APPROVED BY:	SCALE: NONE

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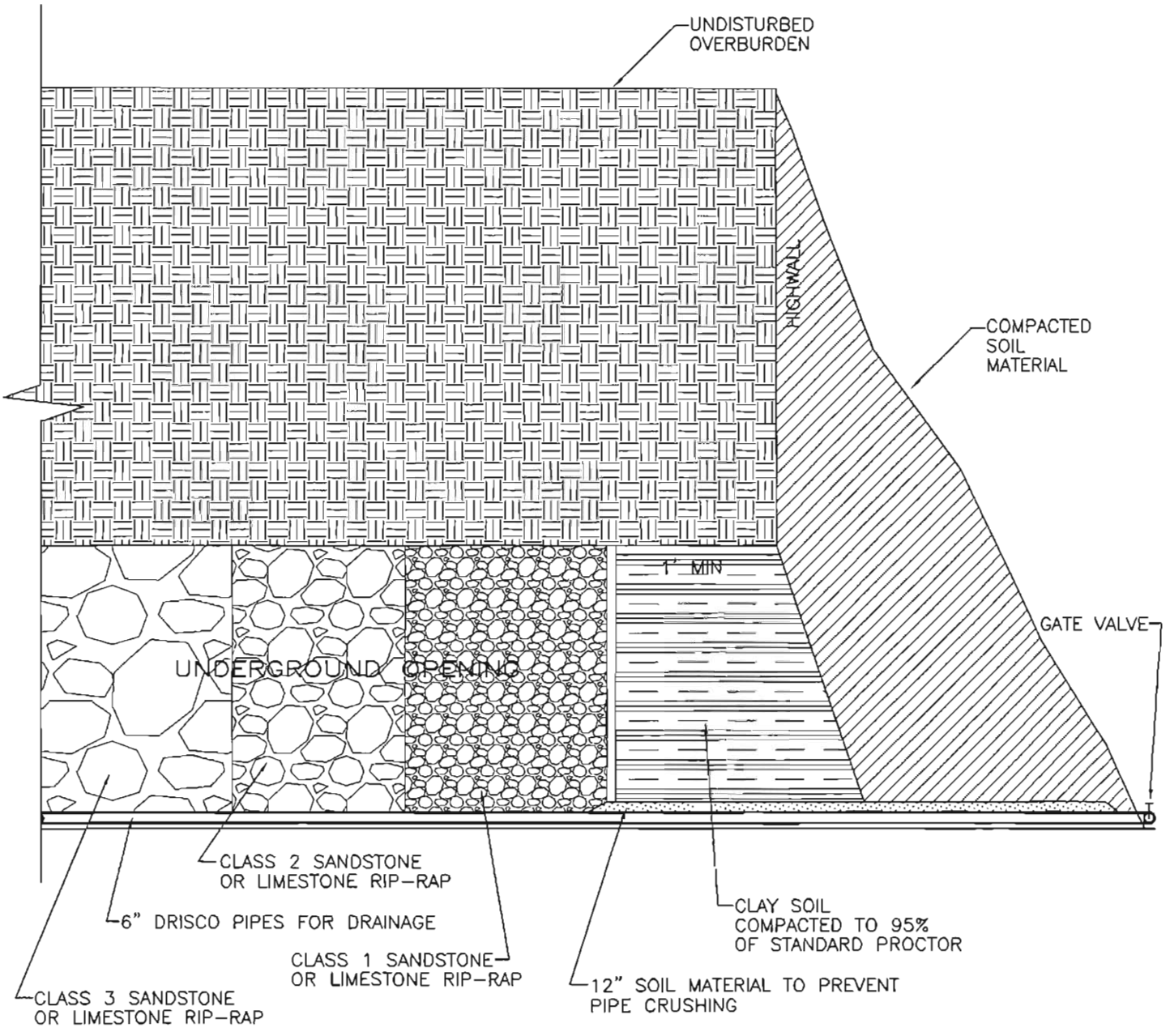


ATTACHMENT III. – A. – 6.

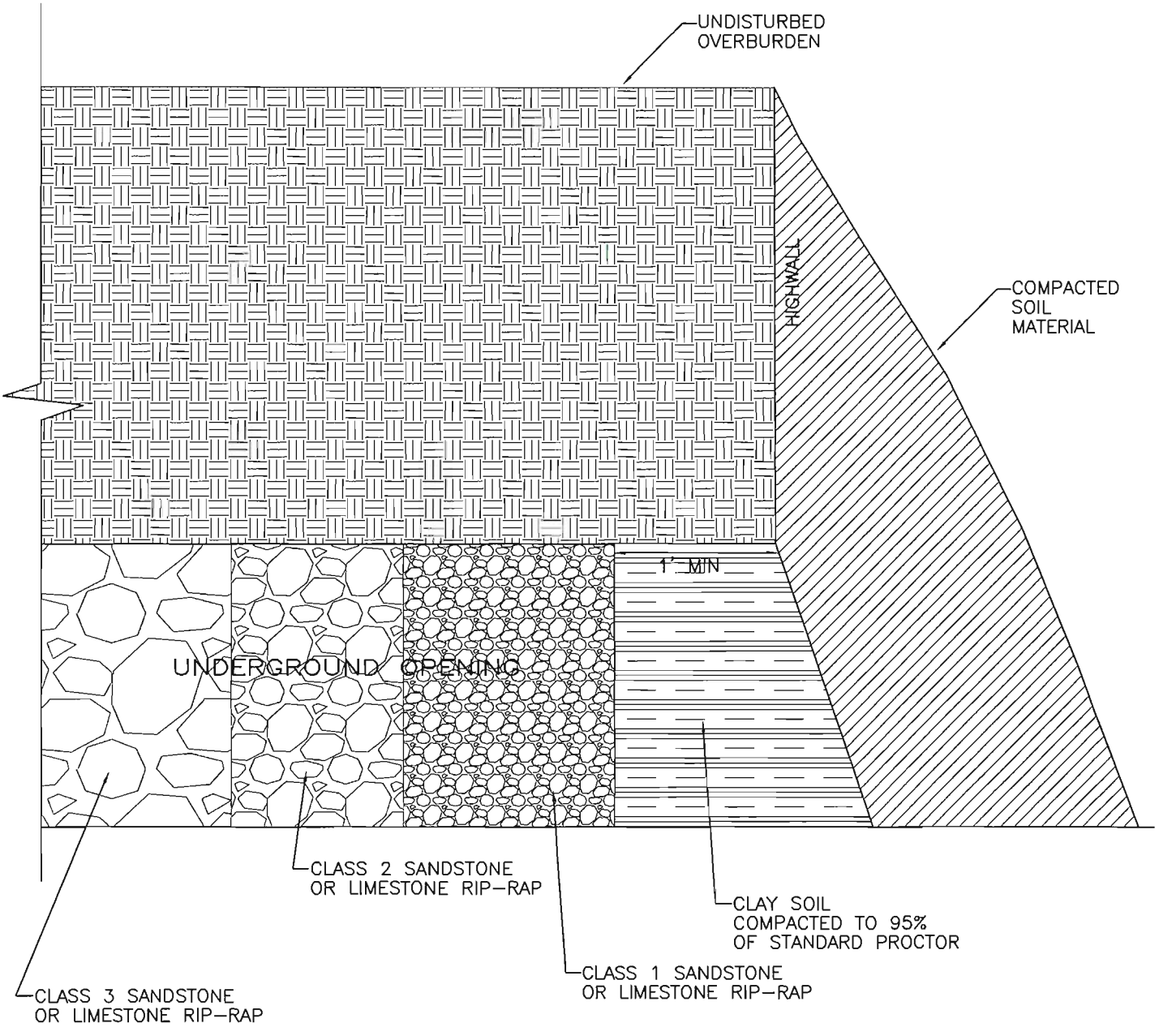
See response to III. – A. – 6 for sealing details.

PERC ENGINEERING CO., INC.
1608 Highway 78 West Jasper, Alabama 35501
P.O. Box 1712 Jasper, Alabama 35502
(205) 384-5853 Office (205) 384-9491 Fax

Typical Cross Section of Underground Workings Seal Wet Conditions

DRAWN BY:	K.E.P.	DATE:	12–06–07
DWG. NAME:	MRLLCWSW		
APPROVED BY:	W.K.M.	SCALE:	NONE

\\Perc600\perc_eng\Steve Miles\Steve Data\Uploads\M-4-6\MRLLCMSW.dwg 05/05/08 08:40



ATTACHMENT III. – A. – 6.

See response to III. – A. – 6 for sealing details.

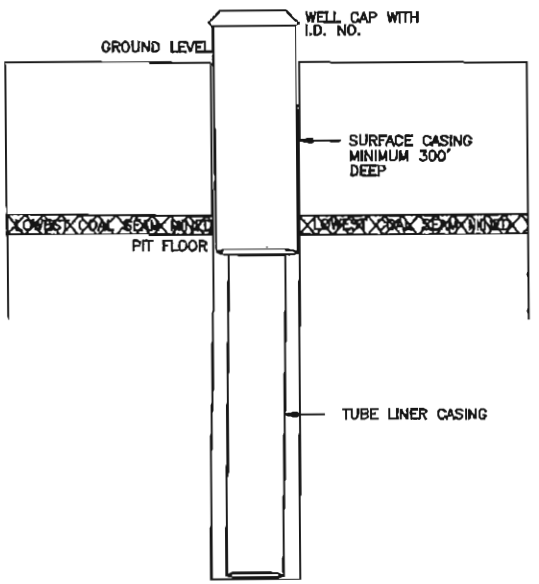
PERC ENGINEERING CO., INC.
1605 Highway 78 West Jasper, Alabama 35501
P.O. Box 1712 Jasper, Alabama 35502
(205) 384-5363 Office (205) 384-9491 Fax

Typical Cross Section of Underground Workings Seal Dry Conditions

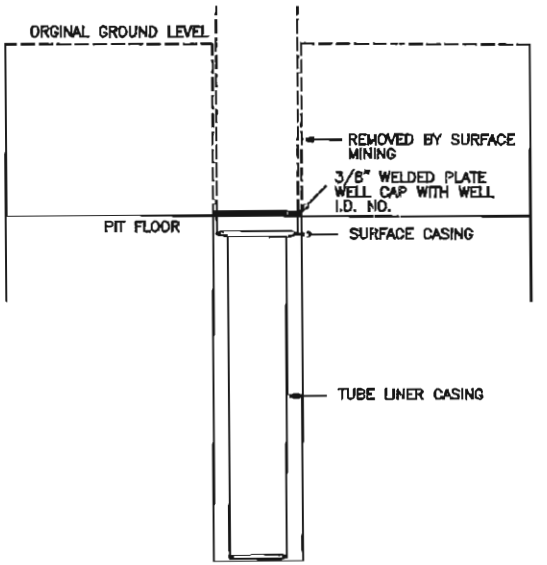
DRAWN BY:	K.E.P.	DATE:	12-6-07
DWG. NAME:	MRLLCUWS		
APPROVED BY:	W.K.M.	SCALE:	NONE

\\Perc600\perc_eng\Steve Miles\Steve Docs\Typicals\III-A-6\MRLLCUWS.dwg 09/08/08 09:31

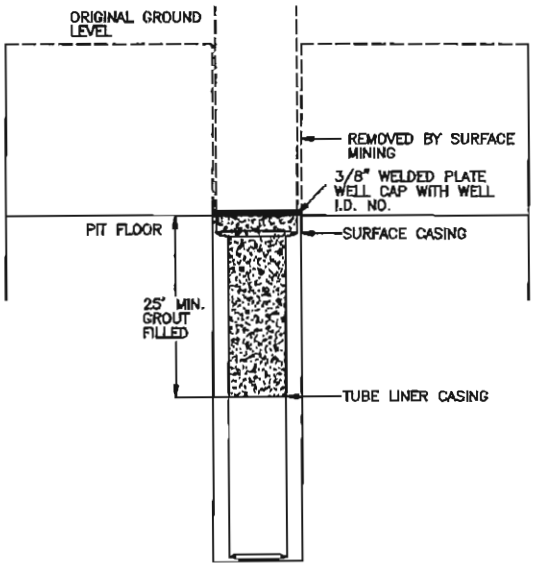
ABANDONED GAS OR OIL WELL
TYPICAL CROSS-SECTION



SEALING OF ABANDONED GAS OR OIL WELL
TYPICAL CROSS-SECTION STEEL CASING



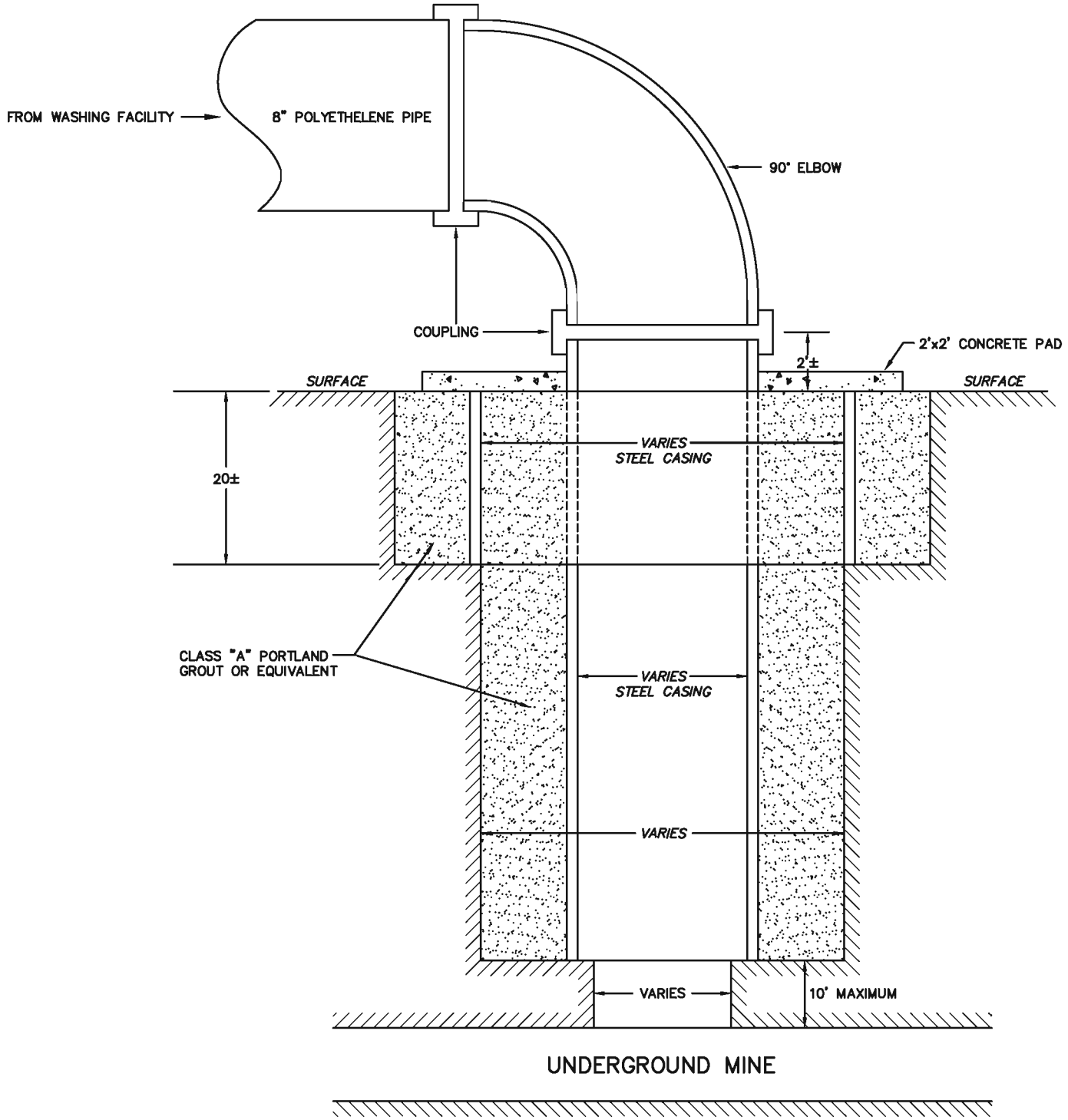
SEALING OF ABANDONED GAS OR OIL WELL
TYPICAL CROSS-SECTION NON-STEEL CASING



PERC
ENGINEERING CO., INC.
1608 Highway 78 West Jasper, Alabama 35501
P.O. Box 1713 Jasper, Alabama 35502
(205) 384-5353 Office (205) 384-0114 Fax

ATTACHMENT III-A-6
TYPICAL PLUGGING PROCEDURE FOR GAS OR OIL WELL ENCONTURED IN MINING PROCESS

DRAWN BY:	K.E.P.	DATE:	11/13/2008
DWG. NAME:	TYPPLUGG		
APPROVED BY:	S.D.M.	SCALE:	NO SCALE

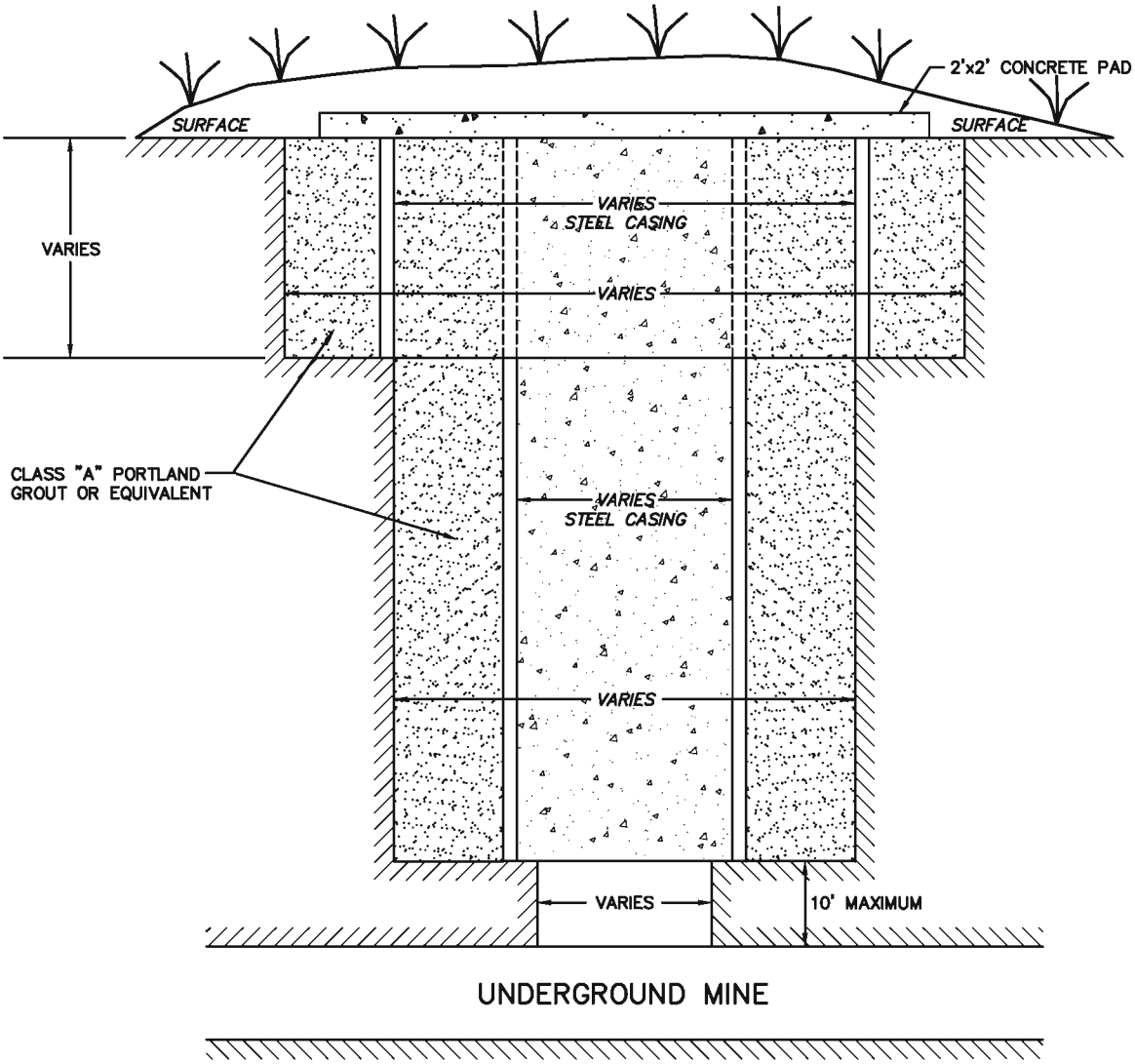


PERC
ENGINEERING CO., INC.

Injection Well Typical

DRAWN BY:	M.W.K.	DATE:	3-31-97
DWG. NAME:	INJWETYP		
APPROVED BY:	S.R.I.	SCALE:	NONE

G:\MWK\SRI\INJWETYP 04/01/97 06:50



PERC
ENGINEERING CO., INC.

Injection Well Removal Typical

DRAWN BY:	M.W.K.	DATE:	3-31-97
DWG. NAME:	INJWERET		
APPROVED BY:	S.R.I.	SCALE:	NONE

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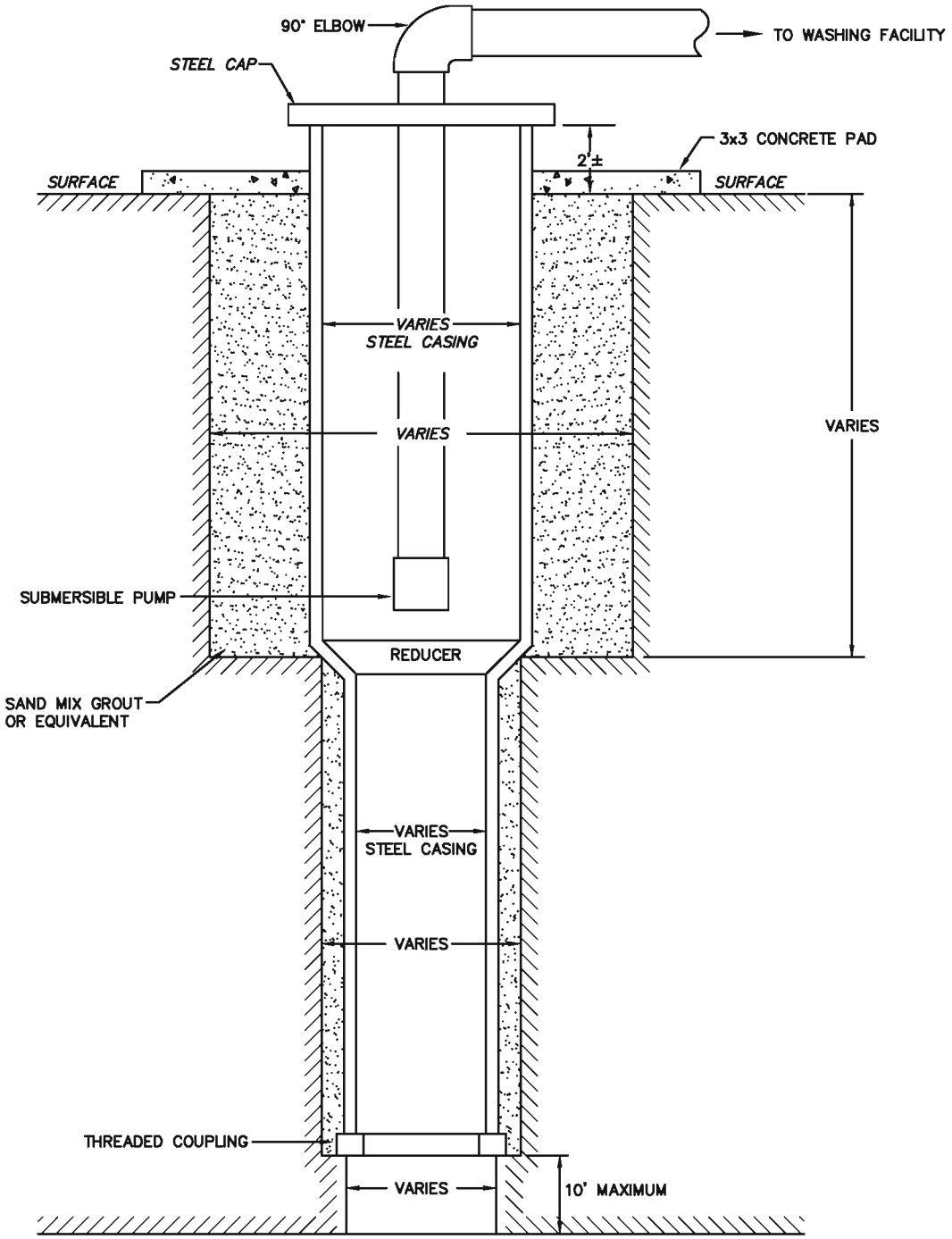

UNDERGROUND MINE

PERC
ENGINEERING CO., INC.

Withdrawal Well Typical

DRAWN BY:	M.R.B.	DATE:	6-28-94
DWG. NAME:	WITWETYP		
APPROVED BY:	T.S.T.	SCALE:	NONE

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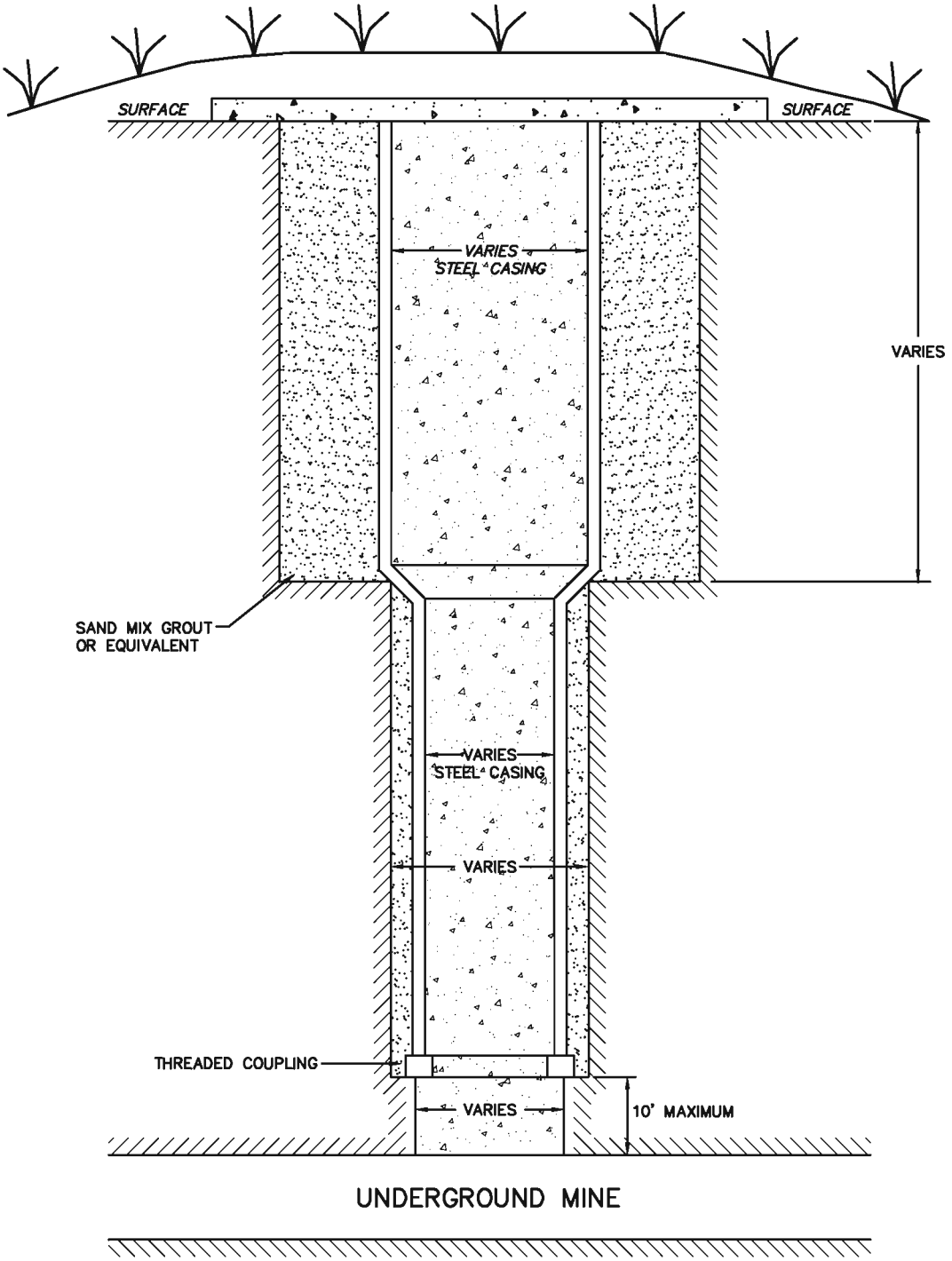

PERC
ENGINEERING CO., INC.

Withdrawal Well Removal Typical

DRAWN BY:	M.R.B.	DATE:	6–28–94
DWG. NAME:	WITRETYP		
APPROVED BY:	T.S.T.	SCALE:	NONE

G:\MWK\SRI\WITRETYP 04/01/97 07:02