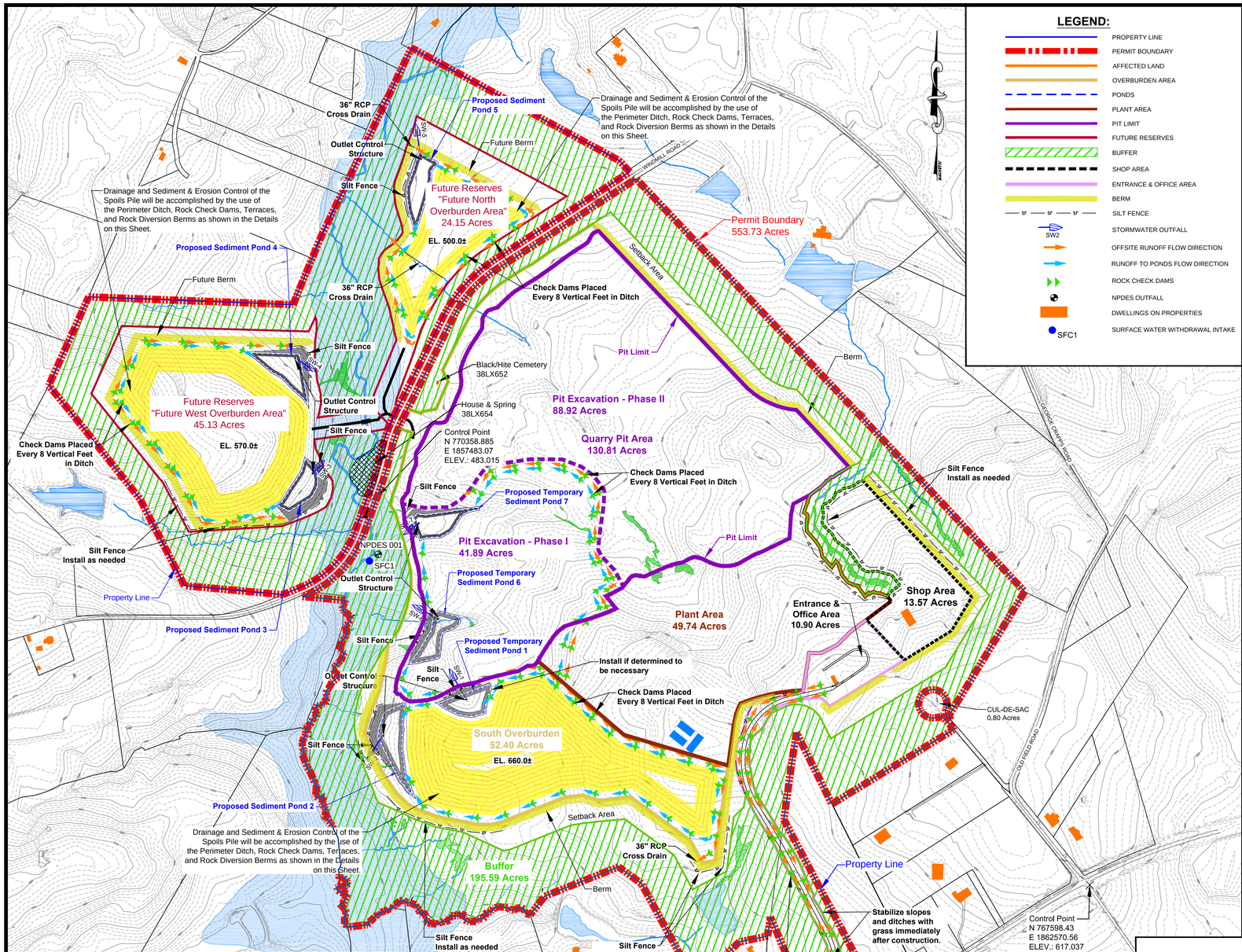
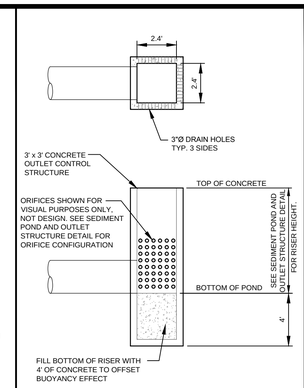


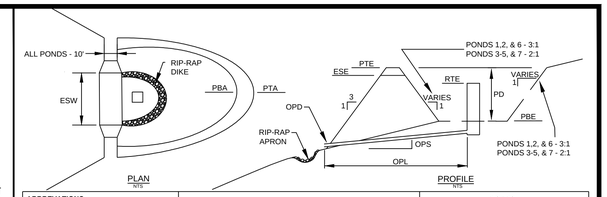
LEGEND:

- PROPERTY LINE
- PERMIT BOUNDARY
- AFFECTED LAND
- OVERBURDEN AREA
- PONDS
- PLANT AREA
- PIT LIMIT
- FUTURE RESERVES
- BUFFER
- SHOP AREA
- ENTRANCE & OFFICE AREA
- BERM
- SILT FENCE
- STORMWATER OUTFALL
- OFFSITE RUNOFF FLOW DIRECTION
- RUNOFF TO PONDS FLOW DIRECTION
- ROCK CHECK DAMS
- NPDES OUTFALL
- DWELLINGS ON PROPERTIES
- SURFACE WATER WITHDRAWAL INTAKE



OUTLET CONTROL STRUCTURE DETAIL

NOT TO SCALE



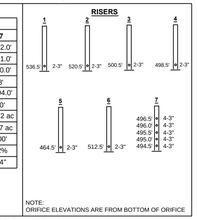
ABBREVIATIONS

PTE	POND TOP ELEVATION
ESE	EMERGENCY SPILLWAY ELEVATION
RTE	RISER TOP ELEVATION
PD	POND DEPTH
PBE	POND BOTTOM ELEVATION
ESW	EMERGENCY SPILLWAY WIDTH
PBA	POND BOTTOM AREA
PTA	POND TOP AREA
OPL	OUTLET PIPE LENGTH
OPS	OUTLET PIPE SLOPE
OPD	OUTLET PIPE DIAMETER

PONDS

	1	2	3	4	5	6	7
PTE	544.0'	528.0'	508.0'	506.0'	472.0'	520.0'	502.0'
ESE	543.0'	527.0'	507.0'	505.0'	471.0'	519.0'	501.0'
RTE	542.0'	526.0'	506.0'	504.0'	470.0'	518.0'	500.0'
PD	8'	8'	8'	8'	8'	8'	8'
PBE	536.0'	520.0'	500.0'	498.0'	464.0'	512.0'	494.0'
ESW	10'	10'	10'	10'	10'	10'	20'
PBA	0.54 ac	0.77 ac	0.68 ac	0.84 ac	0.83 ac	0.50 ac	0.72 ac
PTA	0.99 ac	1.47 ac	1.00 ac	1.25 ac	1.24 ac	0.95 ac	1.07 ac
OPL	90'	200'	75'	115'	200'	80'	100'
OPS	4.4%	5%	5.3%	5.2%	1.5%	2.5%	2%
OPD	24"	24"	24"	24"	24"	24"	24"

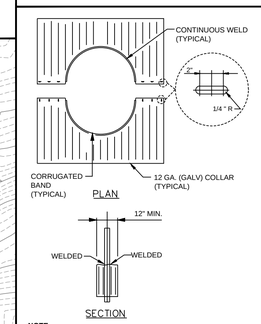
RISERS



NOTE: ORIFICE ELEVATIONS ARE FROM BOTTOM OF ORIFICE

SEDIMENT POND AND OUTLET STRUCTURE DETAIL

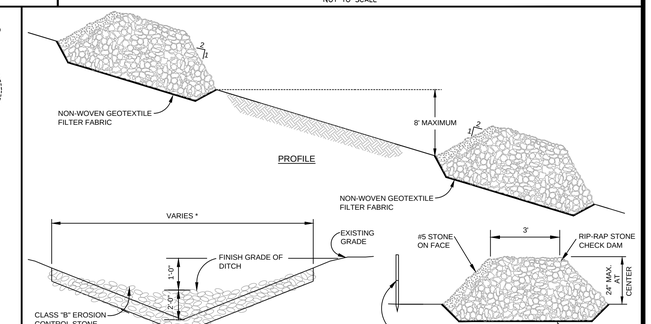
NOT TO SCALE



NOTE:
1. THE LAP BETWEEN THE TWO HALF SECTIONS AND BETWEEN THE PIPE AND CONNECTING BAND SHALL BE CAULKED WITH ASPHALTIC MASTIC AT TIME OF INSTALLATION. CONNECT COLLAR TO PIPE WITH 1/2 " DIA RODS WITH STANDARD TANK LUGS.

TYPICAL ANTI-SEEP COLLAR DETAIL

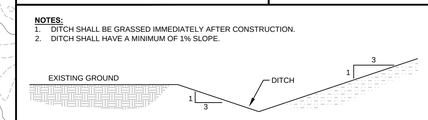
NOT TO SCALE



ROCK CHECK DAM DETAIL

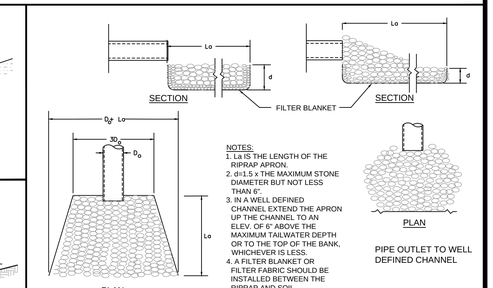
NOT TO SCALE

NOTES:
1. DITCH SHALL BE GRASSED IMMEDIATELY AFTER CONSTRUCTION.
2. DITCH SHALL HAVE A MINIMUM OF 1% SLOPE.



PERIMETER DITCH DETAIL

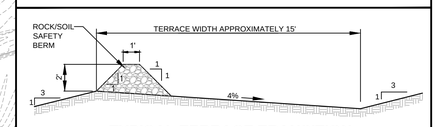
NOT TO SCALE



NOTES:
1. La IS THE LENGTH OF THE RIPRAP APRON.
2. d=1.5 x THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
3. IN A WELL DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL TO AN ELEV. OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

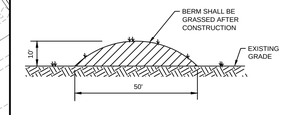
RIP-RAP OUTLET PROTECTION DETAIL

NOT TO SCALE



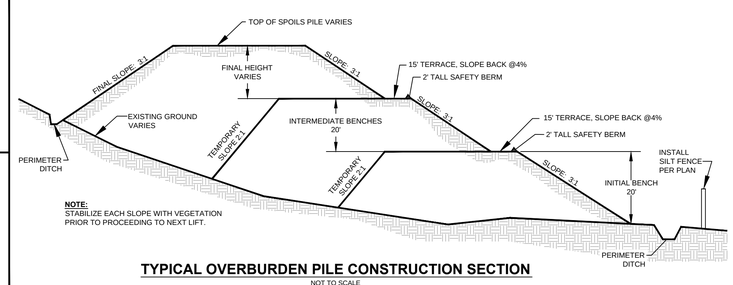
TYPICAL TERRACE TRANSITION

NOT TO SCALE



TYPICAL BERM SECTION

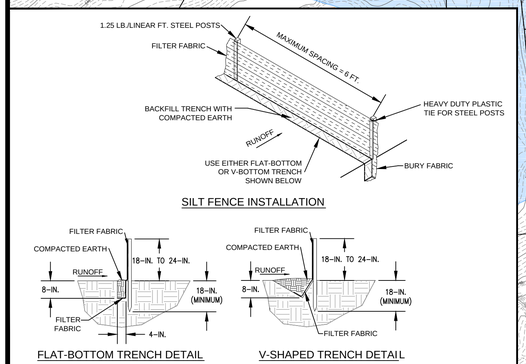
NOT TO SCALE



NOTE:
STABILIZE EACH SLOPE WITH VEGETATION PRIOR TO PROCEEDING TO NEXT LIFT.

TYPICAL OVERBURDEN PILE CONSTRUCTION SECTION

NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

GRAPHIC SCALE
400 0 200 400 800
(IN FEET)

synterra
148 River Street, Suite 220
Greenville, South Carolina 29601
864-421-9999
www.synterracorp.com

	DATE	REVISION	BY
E			
D			
C			
B			
A	09/11/2015	FOR CLIENT REVIEW	CCN

TOLERANCES–UNLESS NOTED
FRACTIONAL: ± 1/16"
DECIMAL: ± 0.010"
ANGLE: ± 0.1°

THIS DRAWING IN DESIGN AND DETAIL IS THE PROPERTY OF VULCAN MATERIALS COMPANY AND MUST BE RETURNED UPON DEMAND. THIS DRAWING MUST NOT BE COPIED, REPRODUCED, OR USED WITHOUT PERMISSION.

Vulcan Materials Company

EROSION AND SEDIMENT CONTROL MAP

DIVISION		PLANT	LEXINGTON QUARRY
DRAWN BY C. NEWELL	CHECKED BY M. BOWEN	PROJ. NO.	FILE SERVER
DATE 09/11/2015	DATE 09/11/2015	SCALE 1" = 400'	SHEET 2 OF 3
DWG. NO.			REV. A

10/26/2015 10:35 AM Users\aultmanj\Documents\CURRENT PROJECTS\Lexington Quarry\Final To DHEC\FINAL 9631007-MINE LAND USE MAP.dwg