

PRELIMINARY
NOT FOR CONSTRUCTION

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**ALAMANCE
AGGREGATES, LLC**
Mr. Chad Threatt, VP

Alamance County Mine

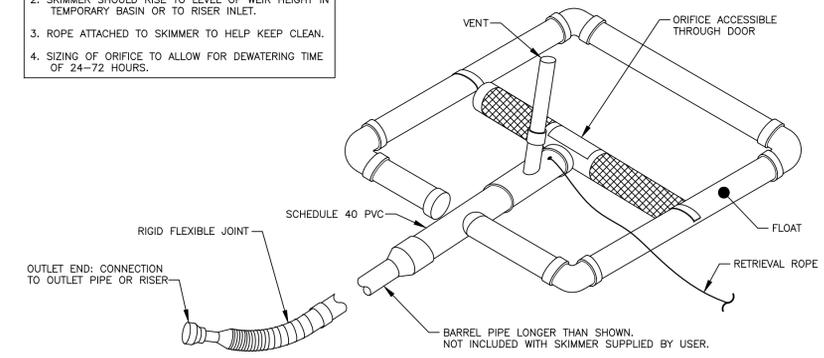
NO.	DATE	DESCRIPTION
REVISIONS		
PROJECT NUMBER:		2180544
DRAWN BY:		KCG/ATC
REVIEWED BY:		PAS
ISSUED FOR:		REVIEW
DATE:		5/8/19
DRAWING NAME:		

SITE DETAILS

DRAWING NUMBER:

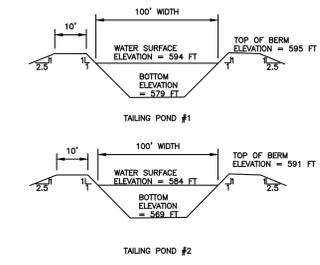
C401

- NOTES:**
- SKIMMER IS TO BE A SURFACE DEWATERING DEVICE SUCH AS BMP SKIMMER OR APPROVED DEVICE.
 - SKIMMER SHOULD RISE TO LEVEL OF WEIR HEIGHT IN TEMPORARY BASIN OR TO RISER INLET.
 - ROPE ATTACHED TO SKIMMER TO HELP KEEP CLEAN.
 - SIZING OF ORIFICE TO ALLOW FOR DEWATERING TIME OF 24-72 HOURS.



3 SKIMMER DETAIL
C 401 NTS

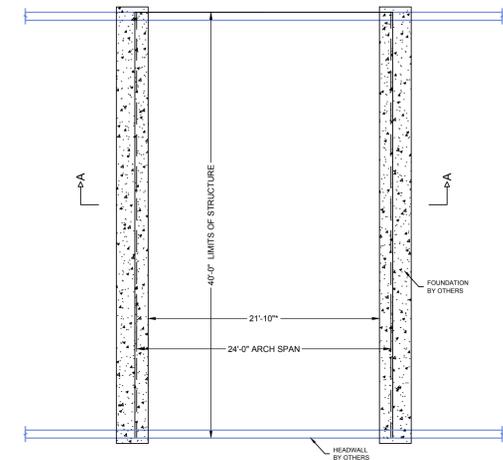
NOTE:
THE SETTLING PONDS WILL BE REMOVED WHEN THE RECLAMATION PLAN IS COMPLETED IN THE FIELD.



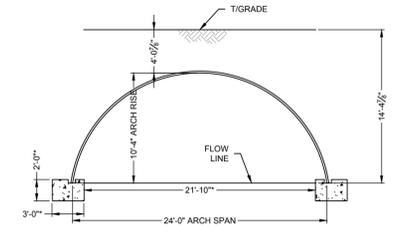
NOTE:
EACH TAILING POND SHALL HAVE A MINIMUM FREEBOARD OF 1.0 FEET AND SHALL HAVE DIMENSIONS AT THE SURFACE OF 500 FEET LONG BY 100 FEET WIDE.
THE SLOPES OF THE OUTER SIDES OF THE TAILING PONDS WILL VARY DEPENDING ON THE SURROUNDING SURFACE.

4 TAILING POND DETAIL
C 401 NTS

- NOTES:**
- MEASUREMENTS ARE TO THE INSIDE CRESTS OF THE CORRUGATION
 - DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES



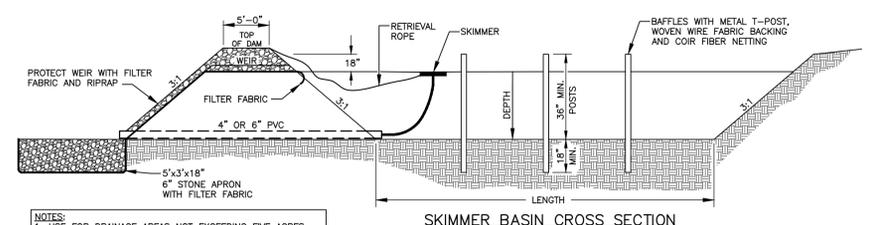
BRIDGE PLAN



CROSS SECTION A-A

- *PRELIMINARY FOUNDATION DESIGN NOTES:**
- PRELIMINARY SIZING BASED ON ASSUMED 8000 PSF BEARING CAPACITY, 4'-1" OF COVER, AND CAT 773 LIVE LOADING
 - SCOUR NOT CONSIDERED IN THIS PRELIMINARY DESIGN
 - FINAL DESIGN MAY VARY

5 CONTECH METAL ARCH BRIDGE CULVERT
C 401 NTS



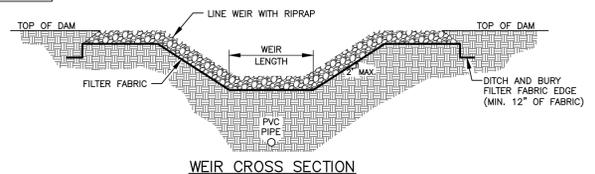
SKIMMER BASIN CROSS SECTION

- NOTES:**
- USE FOR DRAINAGE AREAS NOT EXCEEDING FIVE ACRES.
 - EARTH BERM SHALL BE STABILIZED w/SEEDING ACCORDING TO TOWN SPECIFICATIONS.

DESIGN OF SPILLWAYS

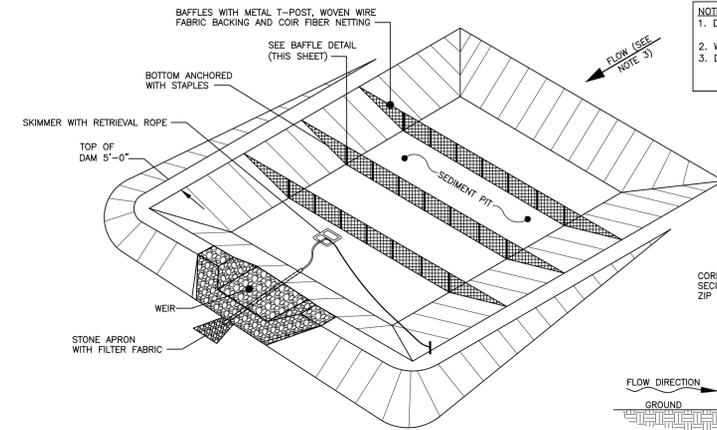
DRAINAGE AREA (ACRES)	WEIR LENGTH (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

DIMENSIONS SHOWN ARE MINIMUM



WEIR CROSS SECTION

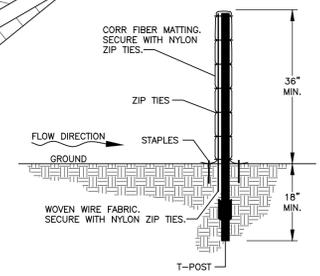
- MAINTENANCE**
- INSPECT TEMPORARY SKIMMER BASIN AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE BASIN TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE BASIN. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA. REPAIR BAFFLES.
 - CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FEET BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.
 - STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE BASIN IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING AND MATTING, AS NEEDED.



PERSPECTIVE VIEW

- NOTES:**
- DRIVE STEEL FENCE POST AT LEAST 18 INCHES INTO SOLID GROUND.
 - WOOD POST ARE NOT ACCEPTABLE.
 - DIRECT WATER TO TOP OF BASIN USING STABILIZED DITCH, SLOPE DRAIN PIPE OR OTHER APPROVED METHOD.

BAFFLE DETAIL



2 TEMPORARY SKIMMER BASIN (2 OF 2)
C 401 NTS

1 TEMPORARY SKIMMER BASIN (1 OF 2)
C 401 NTS