

Paul A. Stimpson
NORTH CAROLINA PROFESSIONAL ENGINEER
PAUL A. STIMPSON
21052
4/9/20

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

Snow Camp Mine

1	3/3/20	NCDEMLR COMMENTS
NO.	DATE:	DESCRIPTION:
REVISIONS:		
PROJECT NUMBER:	2190335	
DRAWN BY:	KCG/ATC/BWS	
REVIEWED BY:	PAS	
ISSUED FOR:	CONSTRUCTION	
DATE:	4/8/20	
DRAWING NAME:		

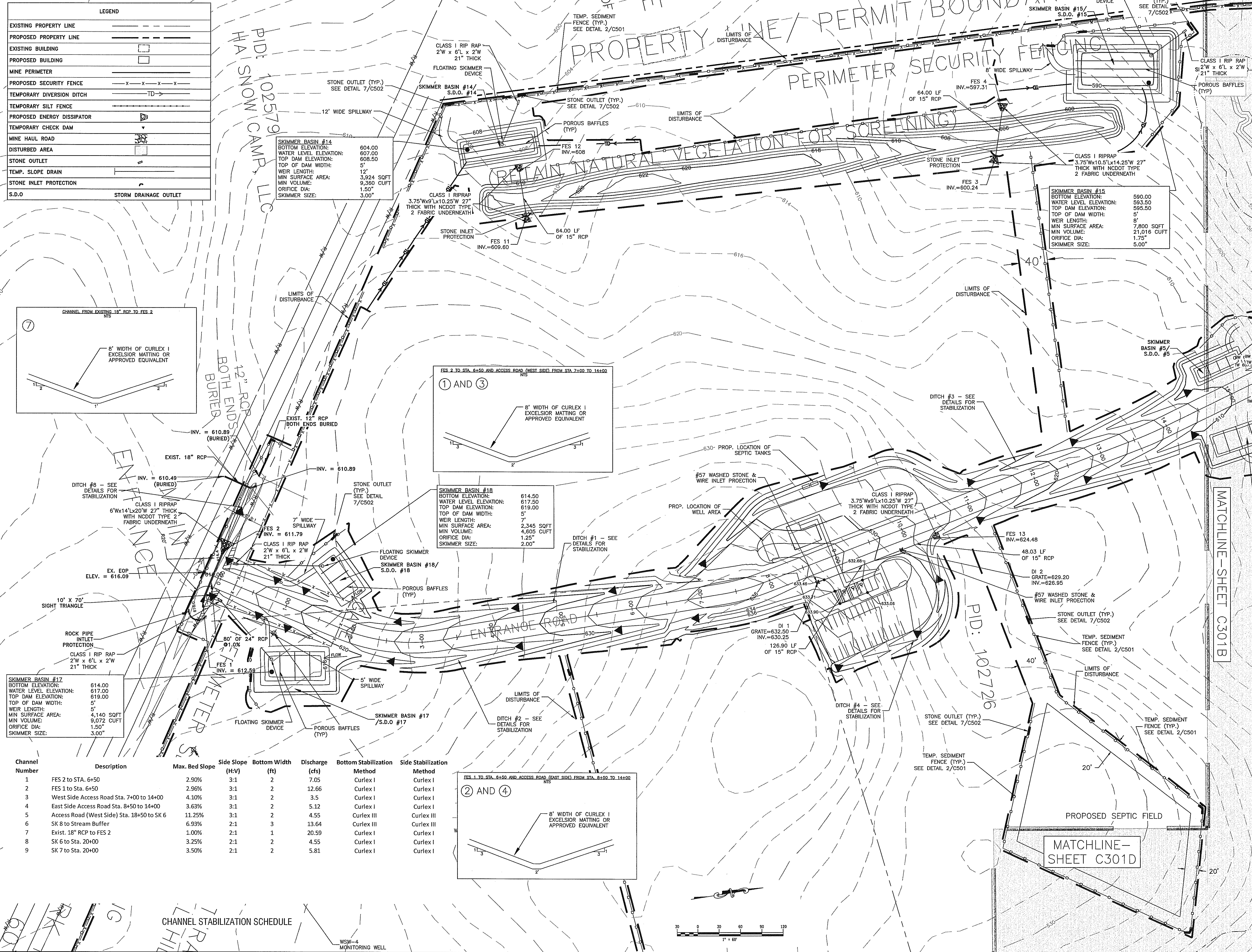
1"=60'
**SEDIMENTATION &
EROSION CONTROL
PLAN**

DRAWING NUMBER:

C301A

LEGEND

EXISTING PROPERTY LINE	---
PROPOSED PROPERTY LINE	---
EXISTING BUILDING	▭
PROPOSED BUILDING	▭
MINE PERIMETER	---
PROPOSED SECURITY FENCE	-x-x-x-x-
TEMPORARY DIVERSION DITCH	TD
TEMPORARY SILT FENCE	---
PROPOSED ENERGY DISSIPATOR	---
TEMPORARY CHECK DAM	---
MINE HAUL ROAD	---
DISTURBED AREA	---
STONE OUTLET	---
TEMP. SLOPE DRAIN	---
STONE INLET PROTECTION	---
S.D.O.	---
STORM DRAINAGE OUTLET	---



SKIMMER BASIN #14
BOTTOM ELEVATION: 604.00
WATER LEVEL ELEVATION: 607.00
TOP DAM ELEVATION: 608.50
TOP OF DAM WIDTH: 5'
WEIR LENGTH: 12'
MIN SURFACE AREA: 3,924 SQFT
MIN VOLUME: 9,360 CUFT
ORIFICE DIA: 1.50"
SKIMMER SIZE: 3.00"

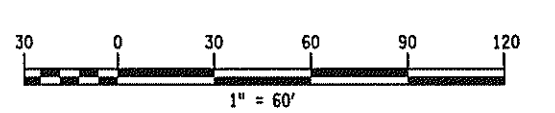
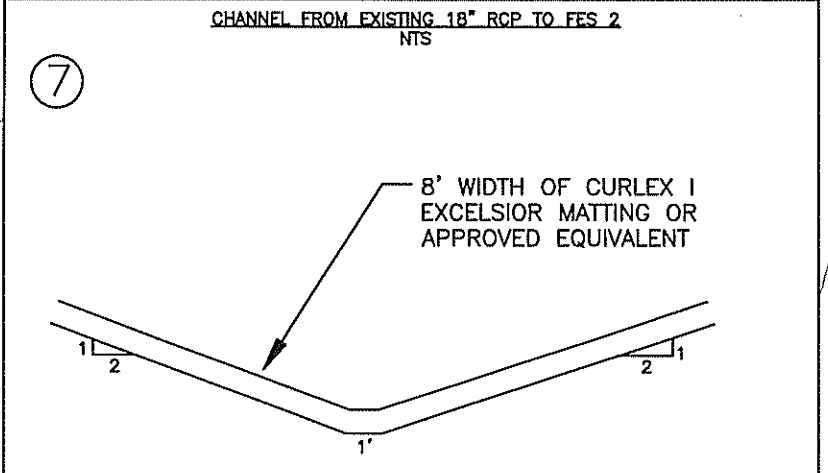
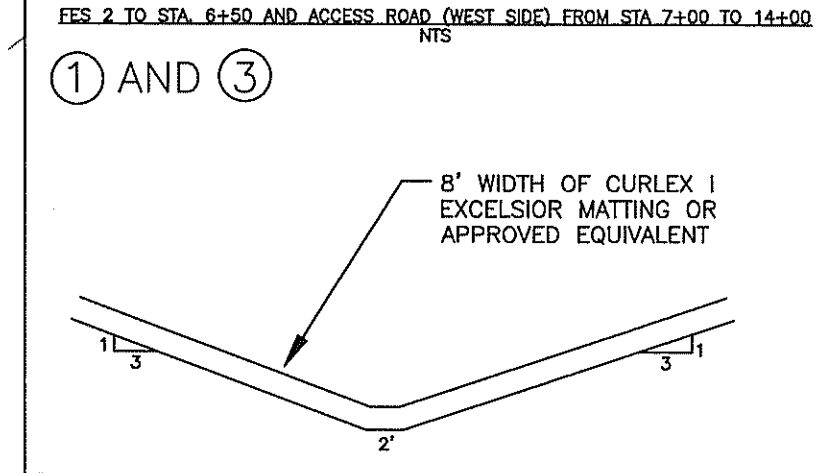
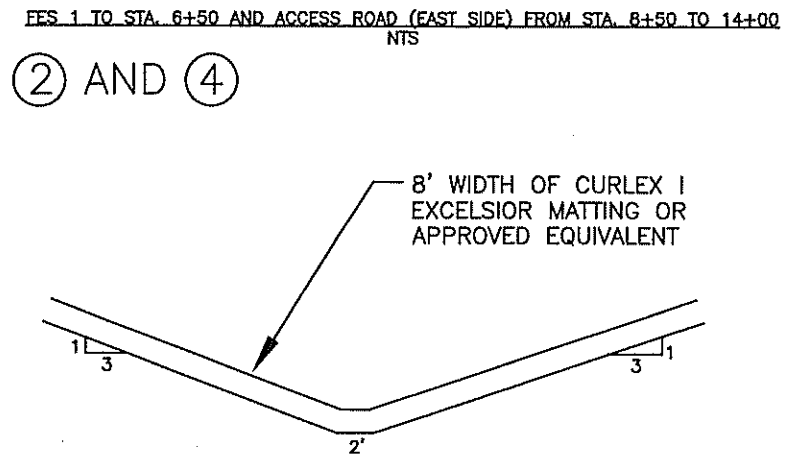
SKIMMER BASIN #15
BOTTOM ELEVATION: 590.00
WATER LEVEL ELEVATION: 593.50
TOP DAM ELEVATION: 595.50
TOP OF DAM WIDTH: 5'
WEIR LENGTH: 8'
MIN SURFACE AREA: 7,800 SQFT
MIN VOLUME: 21,016 CUFT
ORIFICE DIA: 1.75"
SKIMMER SIZE: 5.00"

SKIMMER BASIN #18
BOTTOM ELEVATION: 614.50
WATER LEVEL ELEVATION: 617.50
TOP DAM ELEVATION: 619.00
TOP OF DAM WIDTH: 5'
WEIR LENGTH: 7'
MIN SURFACE AREA: 2,345 SQFT
MIN VOLUME: 4,605 CUFT
ORIFICE DIA: 1.25"
SKIMMER SIZE: 2.00"

SKIMMER BASIN #17
BOTTOM ELEVATION: 614.00
WATER LEVEL ELEVATION: 617.00
TOP DAM ELEVATION: 619.00
TOP OF DAM WIDTH: 5'
WEIR LENGTH: 4,140 SQFT
MIN SURFACE AREA: 9,072 CUFT
ORIFICE DIA: 1.50"
SKIMMER SIZE: 3.00"

CHANNEL STABILIZATION SCHEDULE

Channel Number	Description	Max. Bed Slope	Side Slope (H:V)	Bottom Width (ft)	Discharge (cfs)	Bottom Stabilization Method	Side Stabilization Method
1	FES 2 to STA. 6+50	2.90%	3:1	2	7.05	Curlex I	Curlex I
2	FES 1 to Sta. 6+50	2.90%	3:1	2	12.66	Curlex I	Curlex I
3	West Side Access Road Sta. 7+00 to 14+00	4.10%	3:1	2	3.5	Curlex I	Curlex I
4	East Side Access Road Sta. 8+50 to 14+00	3.63%	3:1	2	5.12	Curlex I	Curlex I
5	Access Road (West Side) Sta. 18+50 to SK 6	11.25%	3:1	2	4.55	Curlex III	Curlex III
6	SK 8 to Stream Buffer	6.93%	2:1	3	13.64	Curlex III	Curlex III
7	Exist. 18" RCP to FES 2	1.00%	2:1	1	20.59	Curlex I	Curlex I
8	SK 6 to Sta. 20+00	3.25%	2:1	2	4.55	Curlex I	Curlex I
9	SK 7 to Sta. 20+00	3.50%	2:1	2	5.81	Curlex I	Curlex I



Date & Time: 4/8/2020 11:55 AM By: Sherill Brandon
Path: Y:\2190335-Snow Camp Mine\CAD\Civil\DWG\Snow Camp Plan Sheets.dwg