

PREVIOUSLY CONSTRUCTED SEDIMENT TRAP DATA

BASIN #1										BASIN #2									
ELEV	W	24L	AREA	WET STORAGE	SUM AREA	DEPTH	VOL	SUM VOL		ELEV	W	24L	AREA	WET STORAGE	SUM AREA	DEPTH	VOL	SUM VOL	
1319	21	42	882		1170	1	1170	1170		1323	45	90	102		4626	1	4626	4626	
1320	27	54	1458		1818	1	1818	1818		1324	51	102	5202		2601	1	2601	2601	
1321	33	66	2178		2610	1	2610	2610											
1322	39	78	3042		3546	1	3546	3546											
1323	45	90	4050																
ST AREA = 2.56 AC										CY 338.6687									
CY 171.52										CY 267.6687									
D = 4 FT																			

SOILS DESIGNATION (TYP.)
(SEE SHEET C10 FOR DESCRIPTIONS)

TM#88-20-B
HOME BREW MART, INC.
ZONING: RAM

SEE SHEET C07 FOR
EROSION CONTROL AT
BUILDING EXPANSION AREA

TM#88-20-B
HOME BREW MART, INC.
ZONING: RAM

CRITICAL EROSION AREA - 2:1 FILL
SLOPE TO RECEIVE BLANKET MATTING
(509 SY)

SEE SHEET C07 FOR
EROSION CONTROL IN
THIS AREA

PROPOSED CONC.
ACCESS DRIVE &
BLDG. PAD

PROPOSED 75'x50'
SCALE BUILDING
FFE=1378.00

APPROXIMATE LIMITS OF
PRIME & DOUBLE SEAL,
OR APPROVED EQUAL PARKING

PROPOSED 30' WIDE
ASPHALT DRIVE

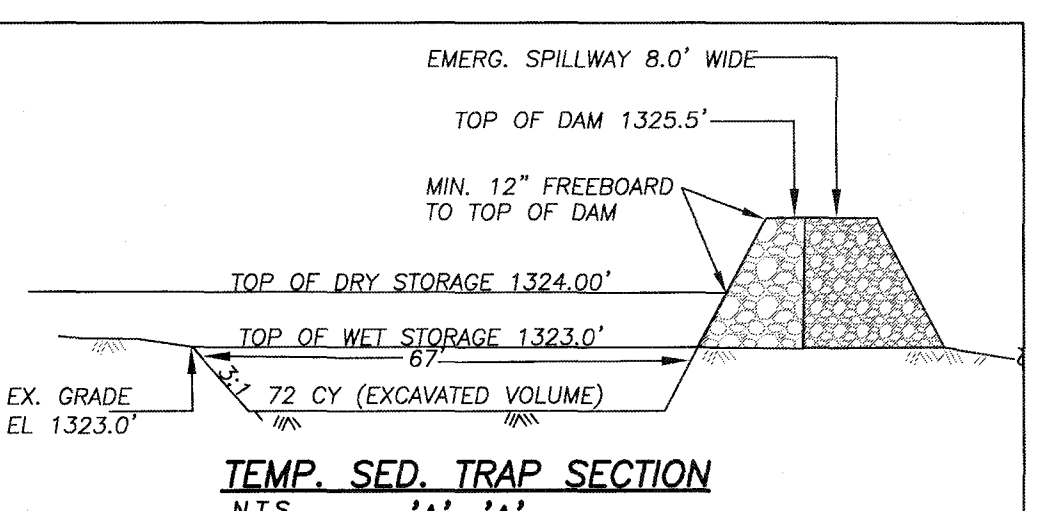
SEDIMENT TRAP DRAINAGE
AREA = 2.56AC.

DIVERT RUNOFF AWAY FROM PROPOSED
CULVERT INTO TEMPORARY DIVERSION
TO SEDIMENT TRAP UNTIL USE OF
CULVERT IS APPROVED BY BOTETOURT
COUNTY E&S ADMINISTRATOR

NOTE: EXISTING SEDIMENT TRAP
TO BE CLEANED AND BROUGHT
TO ORIGINAL VOLUME PRIOR TO
BEGINNING CONSTRUCTION

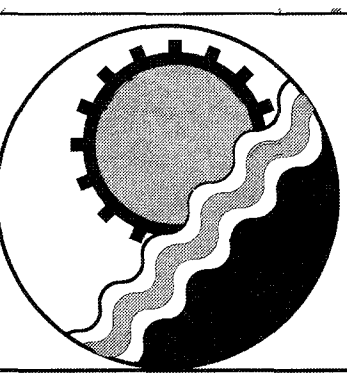
NEW BORROW
SITE WITH ROCK
DRILLINGS

- CONSTRUCTION SEQUENCING:
1. AS A FIRST STEP IN LAND DISTURBANCE ALL PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED INCLUDING, BUT NOT LIMITED TO DIVERSION DIKES AND SILT FENCES.
 2. GRADING FOR ROADWAY, DITCH AND SLOPES SHALL FOLLOW, INCLUDING PREPARATION OF THE EXISTING TEMPORARY SEDIMENT TRAP WITH EROSION CONTROL MEASURES PLACED IMMEDIATELY AFTER FINISHED GRADE IS REACHED.
 3. REMOVAL OF TEMPORARY SEDIMENT CONTROL MEASURES FOLLOWING STABILIZATION OF SITE AS DIRECTED BY BOTETOURT COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR.
 4. REMOVAL OF TEMPORARY SEDIMENT TRAPS AS DIRECTED BY BOTETOURT COUNTY EROSION AND SEDIMENT CONTROL INSPECTOR.



TEMP. SED. BASIN CALCULATIONS & SIZING TABLE

DRAINAGE AREA	= 2.56 AC
WET STORAGE REQ'D	= 67 CY/AC x 2.56 AC = 171.52 CY
PROVIDED	= 338 CY (EXCAVATED VOLUME)
DIMENSIONS	= 90' L x 45' W (TOP)
TOP EL.	= 1323'
INVERT EL.	= 1319'
DRY STORAGE REQ'D	= 67 CY/AC x 2.56 AC = 171.52 CY
PROVIDED	= 267.67 CY
DIMENSIONS	= 102' L x 51' W (TOP)
TOP EL.	= 1324' (Add 1.0' for MIN DD TOP EL)
HEIGHT BERM	= 18" @ MIN. TOP EL. = 1325.5'
EMERGENCY OUTLET LENGTH REQUIRED	= 6 x 2.28 = 13.68'
PROVIDED	= 25'



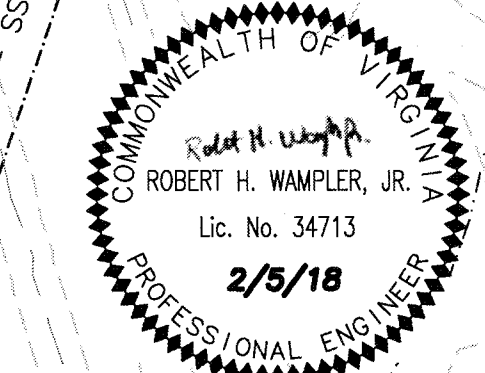
ENGINEERING CONCEPTS, INC.

94 GREENFIELD STREET
DALEVILLE, VIRGINIA 24083
540.473.1253

No.	Revision	By	Appd.	Date	Drawn
1	BotCo Comments 2/2/18	MsM	RHW	2/16/18	MSMJ
					Designed ECI
					Checked ECI
					Approved RHW

EROSION CONTROL PLAN
ACCESS DRIVE & BUILDING EXPANSION
ALTEC INDUSTRIES AT GREENFIELD
BOTETOURT COUNTY VIRGINIA

SCALE: 1"=60'
DATE: OCT. 4, 2017
PROJECT: 17058
C03



Altec