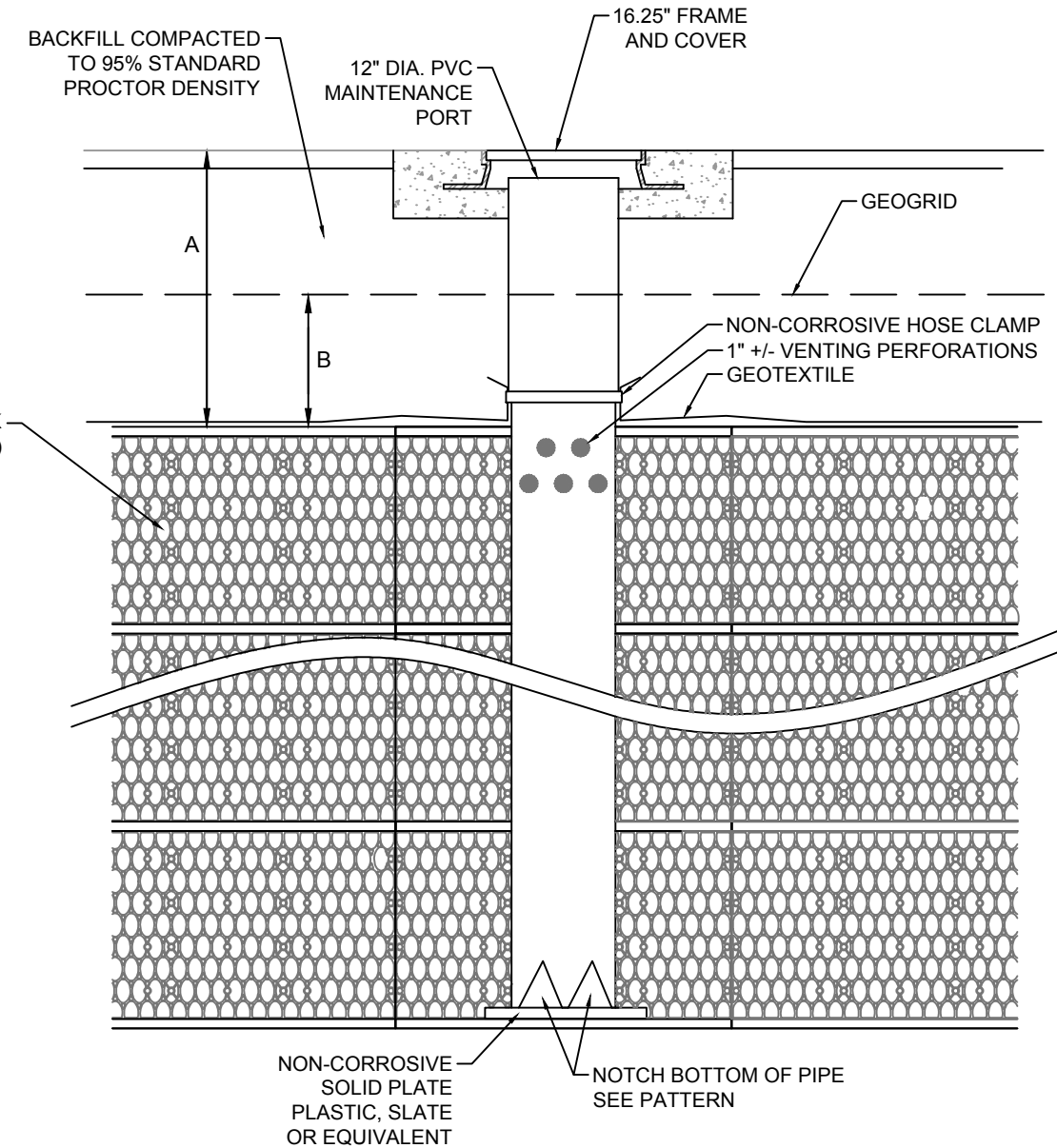
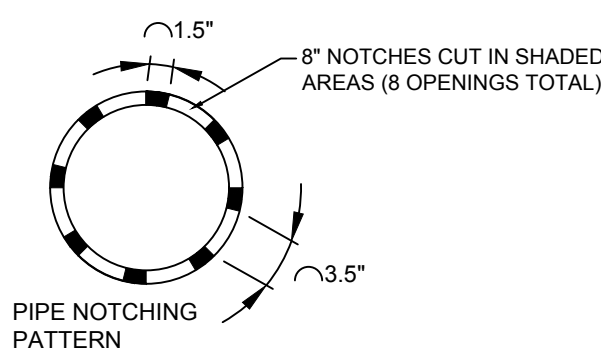


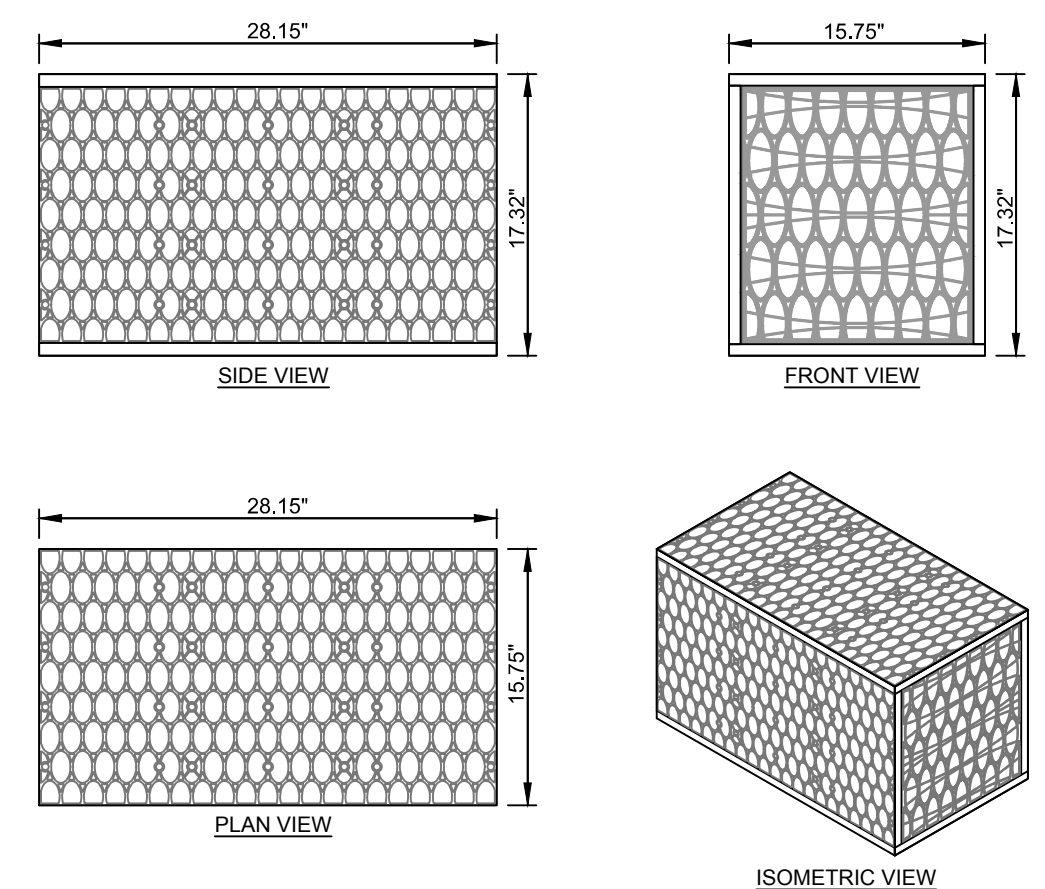
- NOTES**
- THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT.
 - MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.
 - ONLY R-TANK^{MD} AND R-TANK^{SD} MAY BE USED IN TRAFFIC APPLICATIONS.

DEPTH SUMMARY

TYPE	A	B
R-TANK	12" MIN - 36" MAX	AS SHOWN ON PLANS
R-TANK ^{MD}	20" MIN - 6.99' MAX	12"
R-TANK ^{SD}	18" MIN - 9.99' MAX	12"



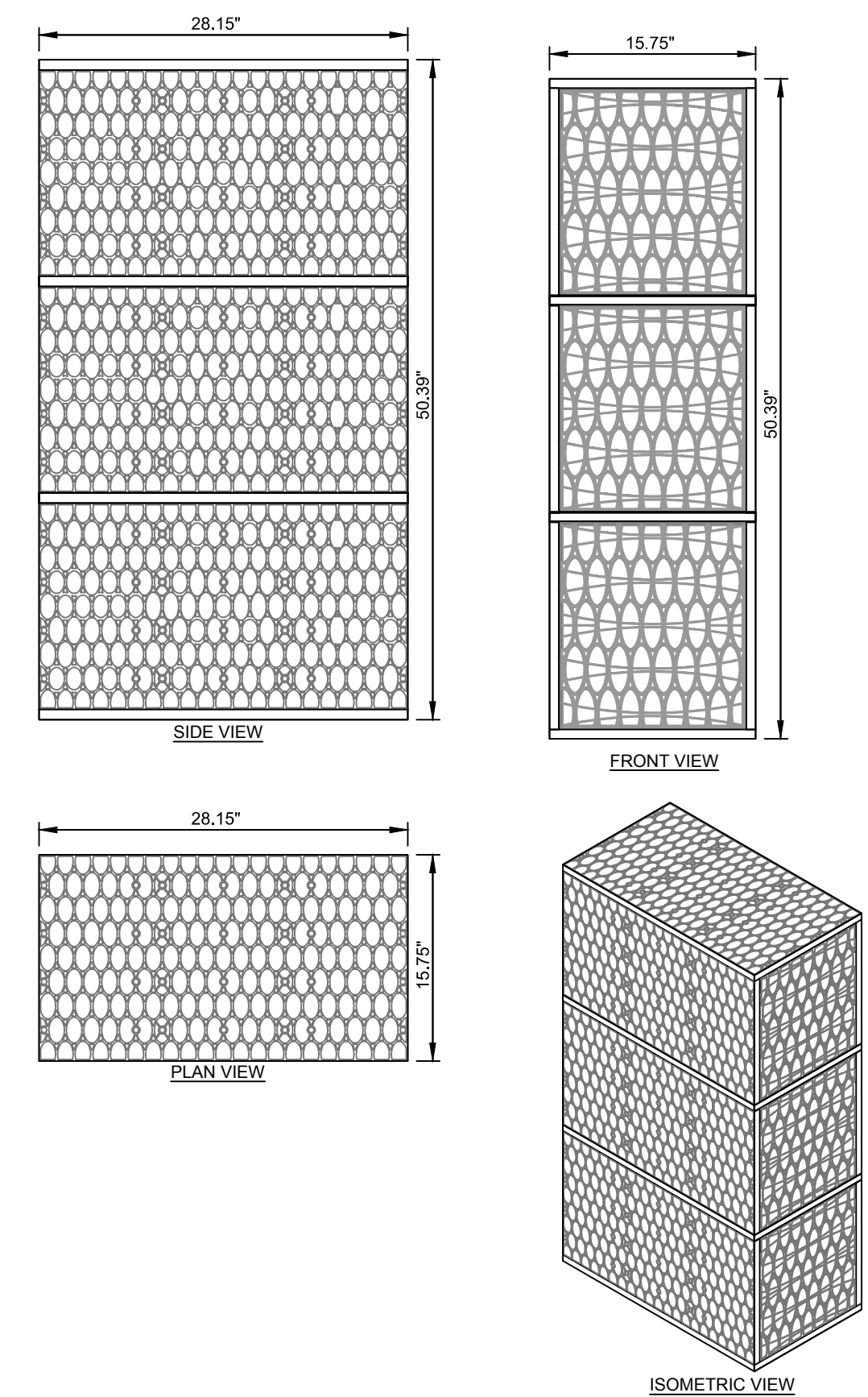
1
3203 **DETAIL**
MAINTENANCE PORT FOR R-TANK



MODULE DATA

GEOMETRY: LENGTH = 28.15 IN. (715 MM)	LOAD RATING: 30 PSI, (MODULE ONLY)
WIDTH = 15.75 IN. (400 MM)	
HEIGHT = 17.32 IN. (440 MM)	
TANK VOLUME = 4.44 CF	MATERIAL: 100% RECYCLED POLYPROPYLENE
STORAGE VOLUME = 4.22 CF	
VOID INTERNAL VOLUME: 95%	SMALL PLATES PER SEGMENT/TOTAL: 4/4
VOID SURFACE AREA: 90%	

4
3203 **DETAIL**
R-TANK SINGLE MODULE

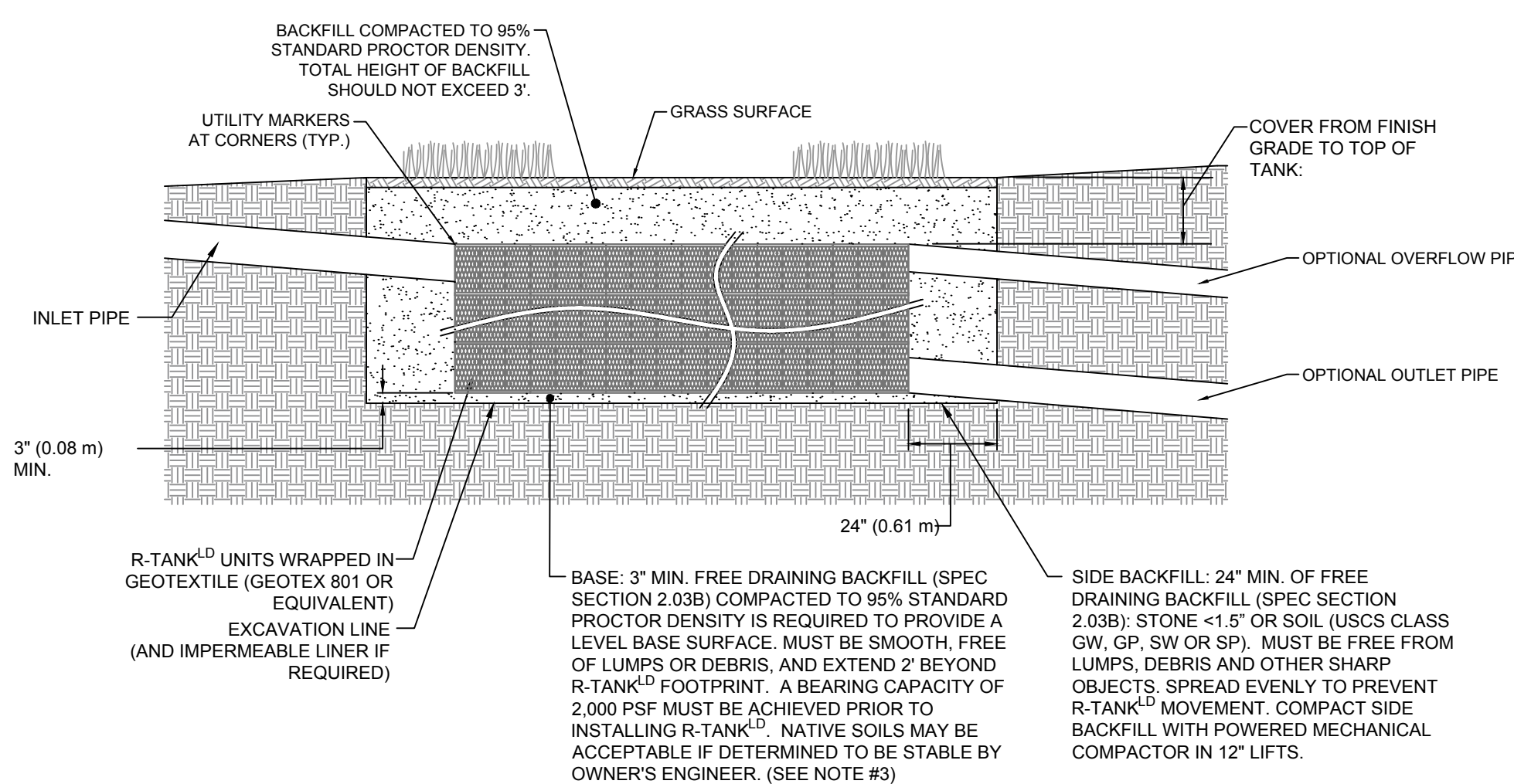


MODULE DATA

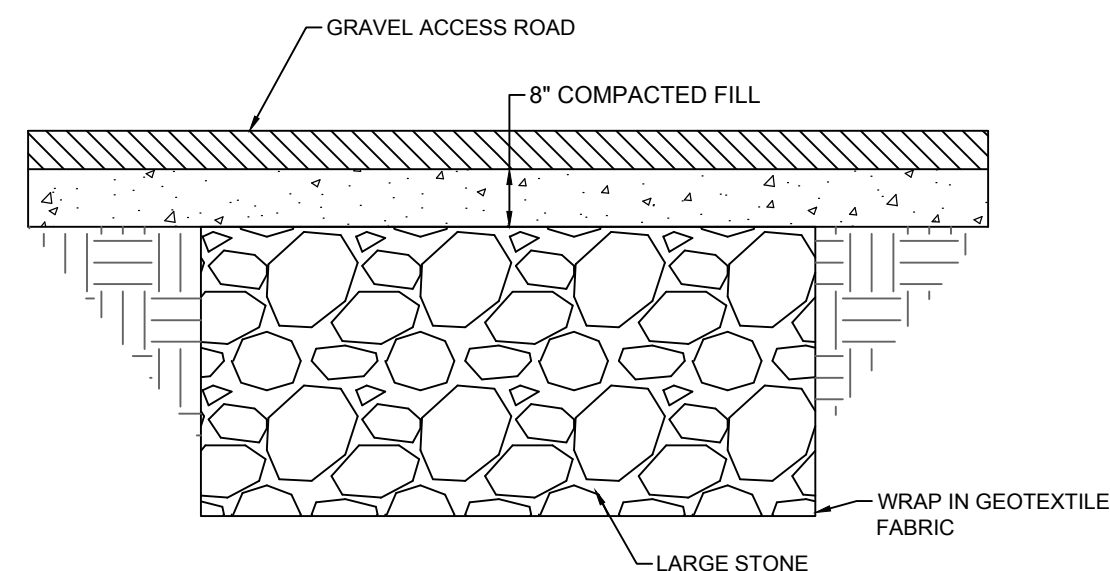
GEOMETRY: LENGTH = 28.15 IN.	LOAD RATING: 30 PSI, (MODULE ONLY)
WIDTH = 15.75 IN.	
HEIGHT = 50.39 IN.	
TANK VOLUME = 12.93 CF	MATERIAL: 100% RECYCLED POLYPROPYLENE
STORAGE VOLUME = 12.28 CF	
VOID INTERNAL VOLUME: 95%	SMALL PLATES PER SEGMENT/TOTAL: 4/12
VOID SURFACE AREA: 90%	

5
3203 **DETAIL**
R-TANK TRIPLE MODULE

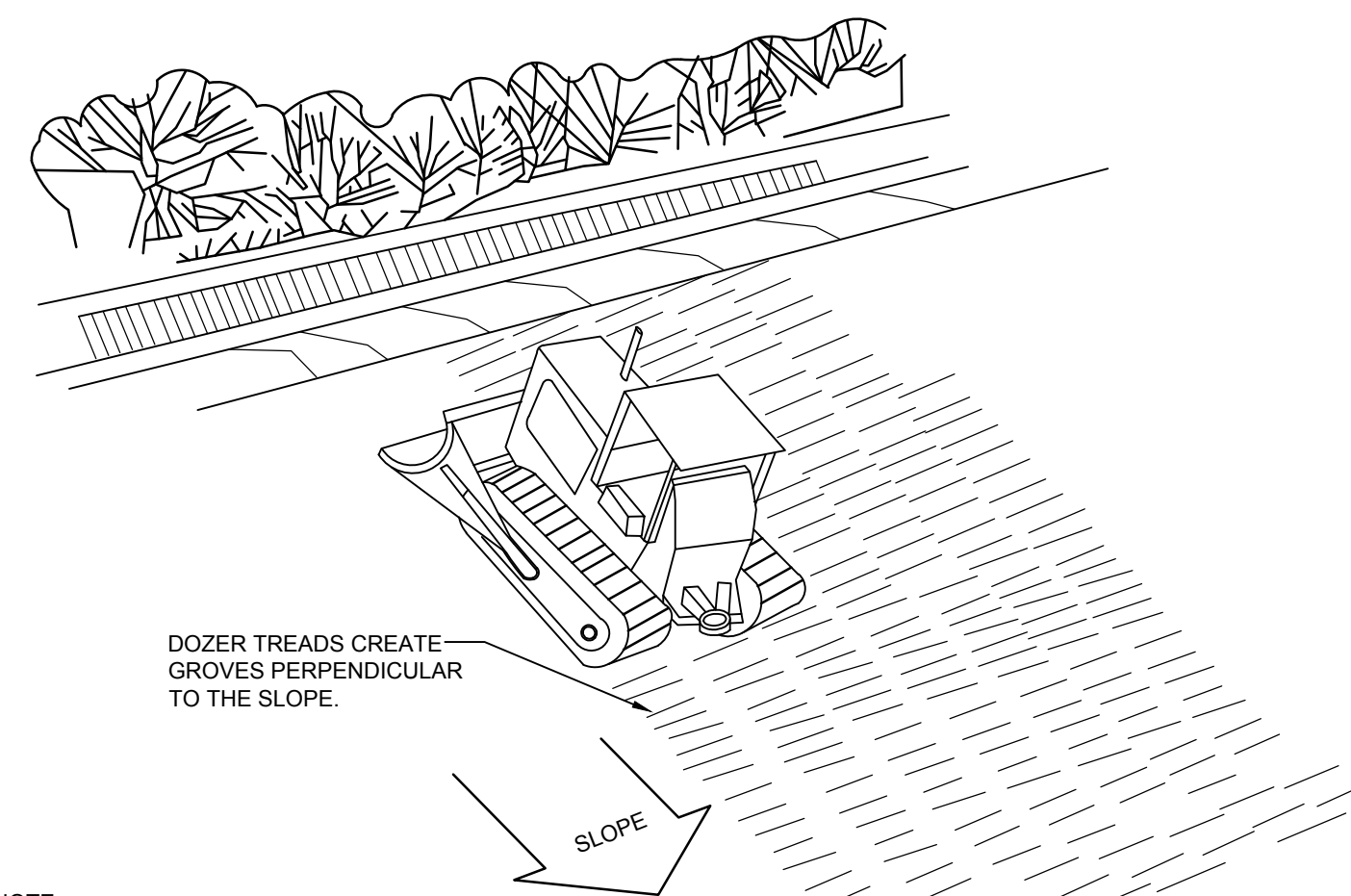
- NOTES:**
- FOR COMPLETE MODULE DATA, SEE APPROPRIATE R-TANK^{MD} SHEET (MINI MODULE, SINGLE MODULE, DOUBLE MODULE, TRIPLE MODULE, QUAD MODULE, OR PENTA MODULE).
 - PRE-TREATMENT STRUCTURES NOT SHOWN.
 - FOR INFILTRATION APPLICATIONS, GEOTEXTILE ENVELOPING R-TANK SHALL BE ACF M200 (PER SPEC SECTION 2.02A) AND BASE SHALL BE 4" MIN. UNCOMPACTED FREE DRAINING BACKFILL (SPEC SECTION 2.03A) TO PROVIDE A LEVEL BASE. SURFACE MUST BE SMOOTH, FREE OF LUMPS OR DEBRIS, AND EXTEND 2' BEYOND R-TANK^{MD} FOOTPRINT.
 - THE INFILTRATION TRENCHES SHALL NOT RECEIVE AN IMPERMEABLE LINER OR UNDERDRAINS.
 - FOR INFILTRATION TRENCHES CONTAINING ONLY "MINI" MODULES, 8" SIDE BACKFILL IS ACCEPTABLE PER MANUFACTURER SPECIFICATIONS. ALL OTHER MODULES SHALL RECEIVE 24" SIDE BACKFILL. ALL MODULES SHALL HAVE 3" BEDDING AND 12" COVER.



2
3203 **DETAIL**
R-TANK IN GREEN SPACE - SECTION VIEW

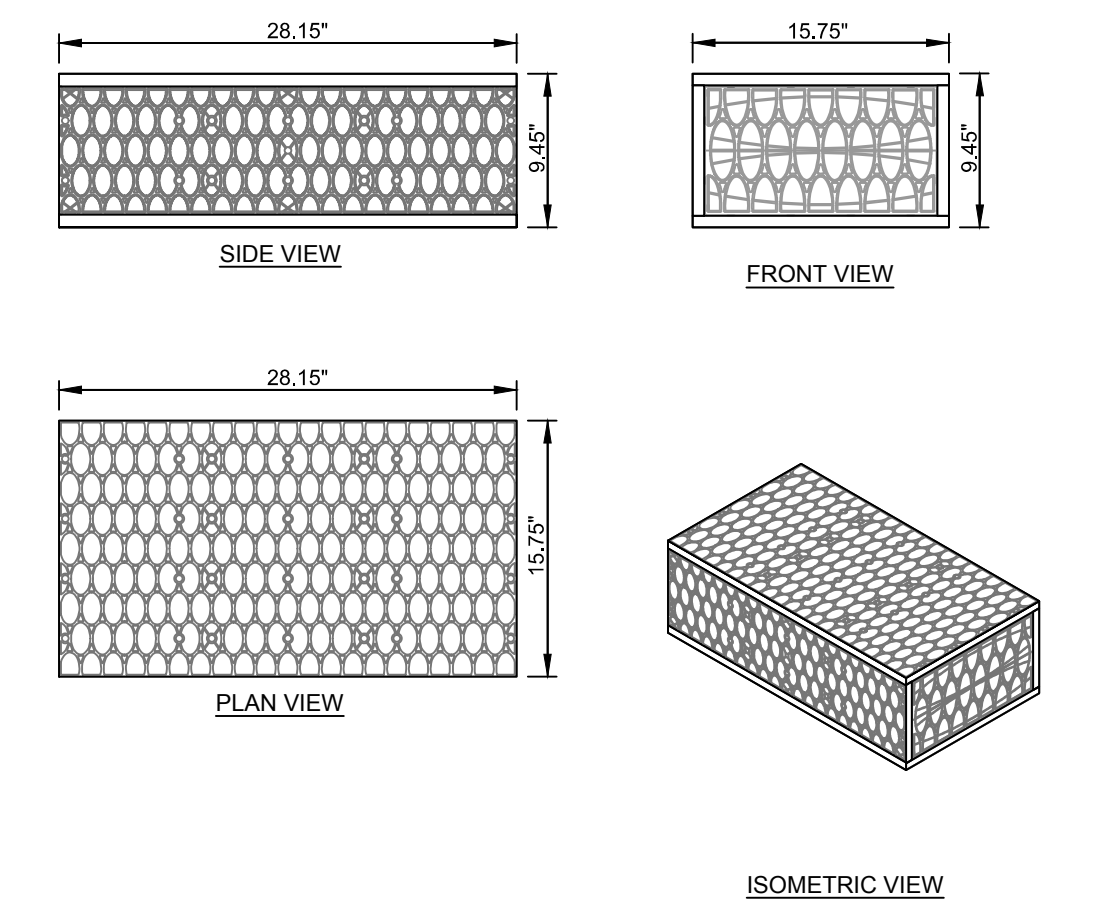


6
3203 **DETAIL**
FRENCH MATTRESS



NOTE:
TRACKING SLOPES IS DONE BY RUNNING TRACKED MACHINERY UP AND DOWN THE SLOPE LEAVING TREAD MARKS PARALLEL TO THE CONTOURS. NOTE: IF A BULLDOZER IS USED, THE BLADE SHOULD BE UP.

7
3203 **DETAIL**
TRACKING FILL & CUT SLOPES



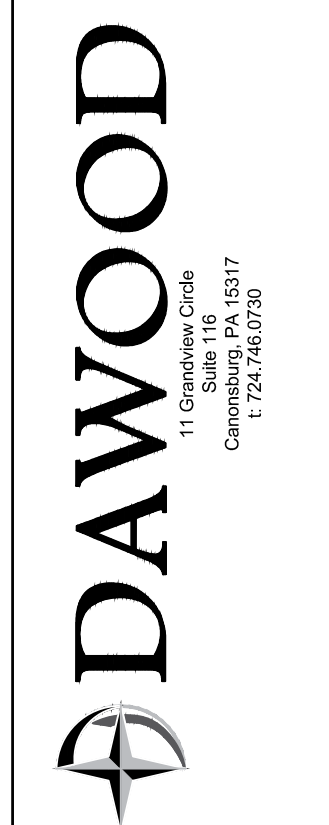
MODULE DATA

GEOMETRY: LENGTH = 28.15 IN. (715 MM)	LOAD RATING: 30 PSI, (MODULE ONLY)
WIDTH = 15.75 IN. (400 MM)	
HEIGHT = 9.45 IN. (240 MM)	
TANK VOLUME = 2.42 CF	MATERIAL: 100% RECYCLED POLYPROPYLENE
STORAGE VOLUME = 2.30 CF	
VOID INTERNAL VOLUME: 95%	SMALL PLATES PER SEGMENT/TOTAL: 4/4
VOID SURFACE AREA: 90%	

3
3203 **DETAIL**
R-TANK MINI MODULE

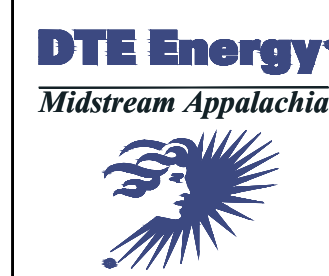
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Plot Style: DTE_FULLSIZE_COLOR.CTB



REVISION

Rev.	By:	Date:	Comment:
B	NCK TAW	6/27/2017	PER BCCD AND FERC COMMENTS
D	NCK TAW	12/20/2017	PER AGENCY COMMENTS
E	NCK TAW	03/01/2018	PER AGENCY COMMENTS



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724.916.4477

BIRDSBORO PIPELINE PROJECT
POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
BERKS COUNTY, PENNSYLVANIA

SYSTEM:
BIRDSBORO

DWG NO: DTE-PCSM-D-3203

REV: E

