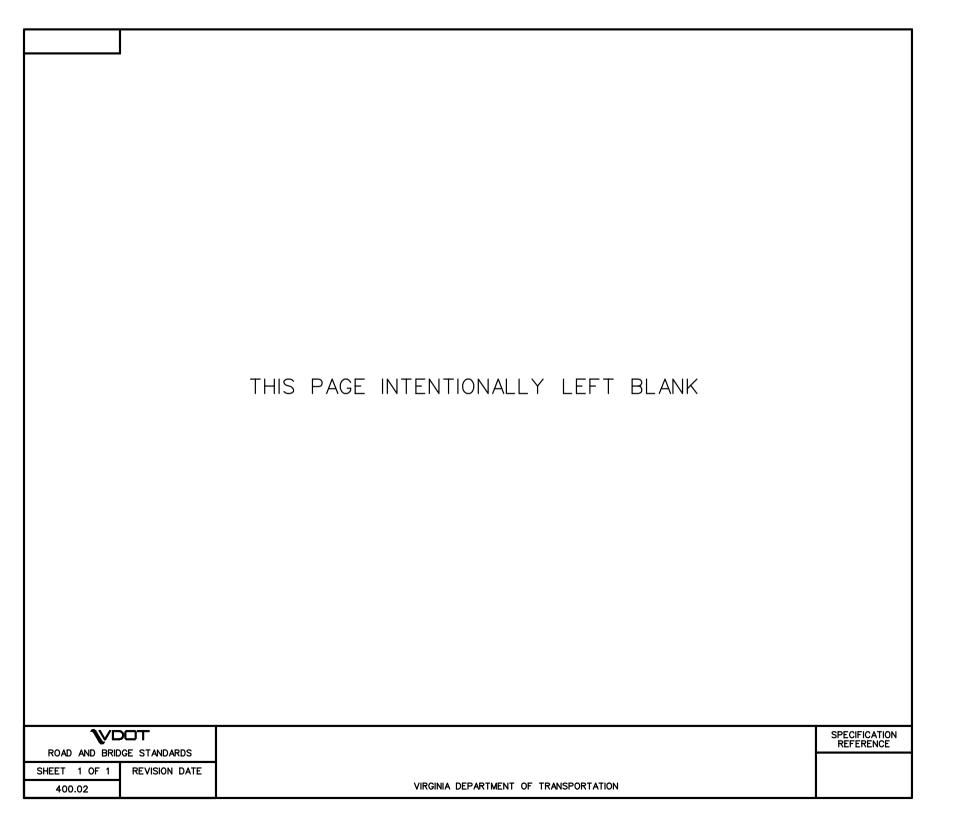
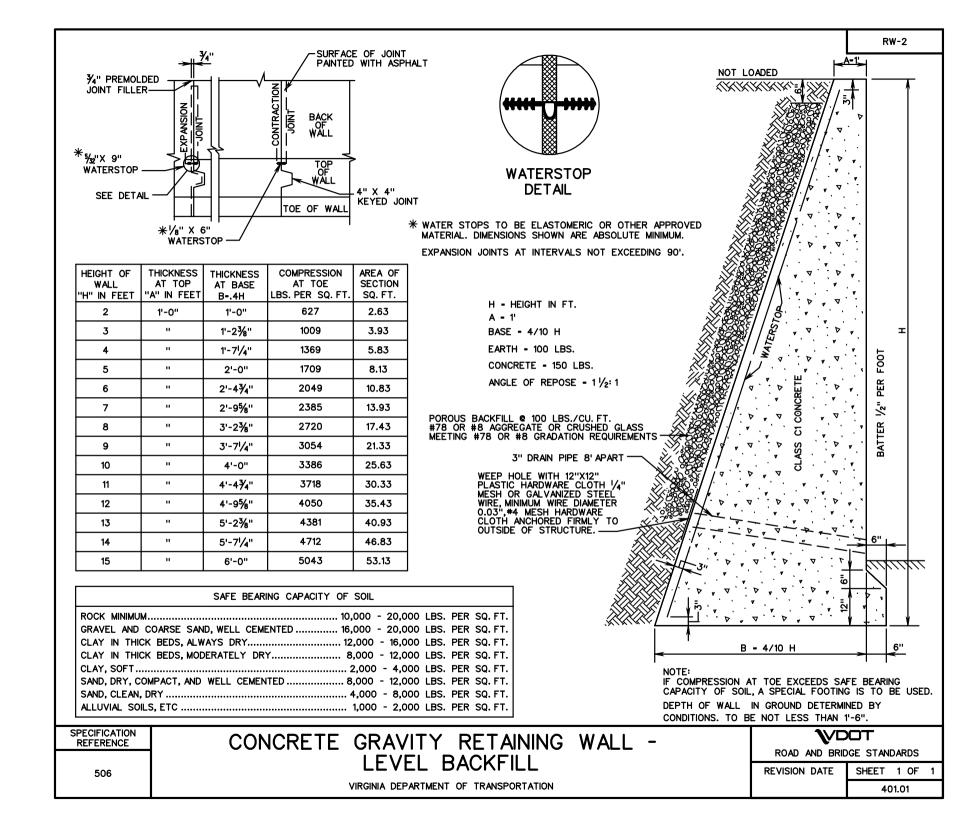
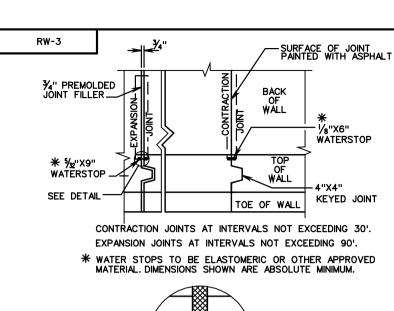
STANDARD	TITLE		PAGE
RW-2	CONCRETE GRAVITY RETAINING WALLS - LEVEL BACKFILL		401.01
RW-3	CONCRETE GRAVITY RETAINING WALLS INFINITE SURCHARGE AND DECK SURCHARGE - LOADED		401.02
RW-2, 3	SUGGESTED RUSTICATION TREATMENTS FOR RETAINING WALLS		401.03
CW-1	STANDARD REINFORCED CONCRETE CRIB WALL		402.01
	STANDARD REINFORCED CONCRETE CRIB WALL		402.02
	<u></u>	\ VDO	-
	INDEX OF SHEETS	ROAD AND BRIDGE	
	SECTION 400-RETAINING WALLS		SHEET 1 OF

VIRGINIA DEPARTMENT OF TRANSPORTATION

400.01

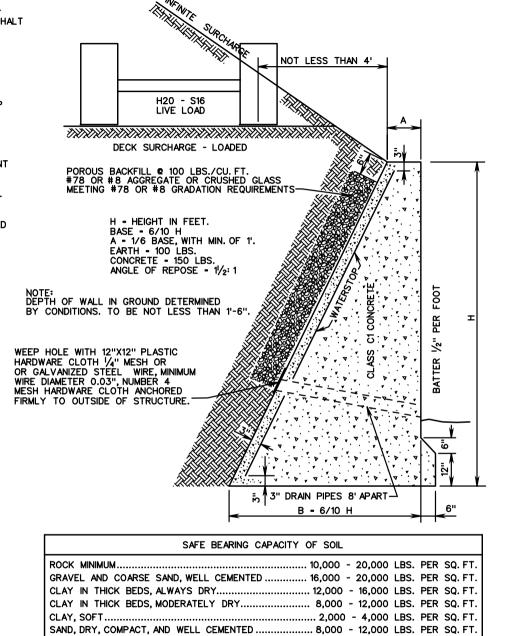








HEIGHT OF WALL "H" IN FEET	THICKNESS AT TOP "A" IN FEET	THICKNESS AT BASE B=.6H	COMPRESSION AT TOE LBS. PER SQ. FT.	AREA OF SECTION SQ. FT.
3	1'-0"	1'-95%''	856	4.83
4	1'-0"	2'-4¾"	1141	7.43
5	1'-0"	3'-0"	1427	10.63
6	1'-0"	3'-71/4"	1712	14.43
7	1'-0"	4'-23/8"	1997	18.83
8	1'-0"	4'-95%''	2283	23.83
9	1'-0"	5'-4¾''	2568	29.43
10	1'-0"	6'-0"	2853	35.63
11	1'-1 1/4 "	6'-71/4"	3139	42.98
12	1'-2 3/8 "	7'-23/8''	3424	51.03
13	1'-3 5/8 "	7'-9%"	3709	59.78
14	1'-4 3/4 "	8'-4¾''	3995	69.23
15	1'-6''	9'-0"	4280	79.38



SAFE BEARING CAPACITY OF SOIL					
ROCK MINIMUM	FT. FT. FT.				
CLAY, SOFT	FT. FT.				

NOTE: IF COMPRESSION AT TOE EXCEEDS SAFE BEARING CAPACITY OF SOIL, A SPECIAL FOOTING IS TO BE USED.

WDOT

ROAD AND BRIDGE STANDARDS

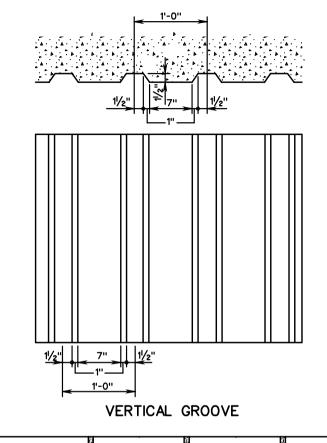
REVISION DATE SHEET 1 OF 1 401.02

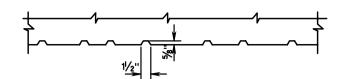
CONCRETE GRAVITY RETAINING WALLS INFINITE SURCHARGE AND DECK SURCHARGE - LOADED

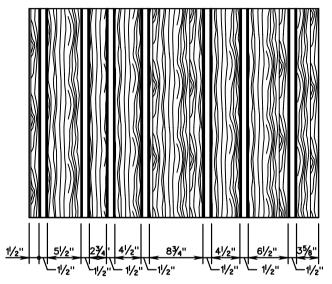
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

506







RANDOM BOARD RUSTICATION

21/4" 7%"

BRICK

NOTES:

RUSTIC TREATMENTS FOR STANDARD RW-2 AND RW-3 CONCRETE GRAVITY RETAINING WALLS ARE TO BE CONSIDERED WHERE LARGE AREAS ARE SUBJECT TO VIEWING BY GENERAL PUBLIC. AS A GENERAL GUIDELINE THE USE OF SUCH TREATMENT WILL BE CONSIDERED ON WALLS WHERE THE HEIGHT IS 3' OR GREATER.

THE SELECTION OF THE PROPOSED TREATMENT SHOULD BE MADE AT THE FIELD INSPECTION REVIEW AND PARTICULAR ATTENTION GIVEN IF THE PROPOSED WALL TIES INTO A BRIDGE ABUTMENT TO INSURE THAT BOTH HAVE THE SAME TREATMENT.

IF ENVIROMENTAL CONSIDERATIONS DICTATE, OTHER TYPES OF TREATMENTS CAN BE USED.

SPECIFICATION REFERENCE

SUGGESTED RUSTICATION TREATMENTS FOR RETAINING WALLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

WDOT

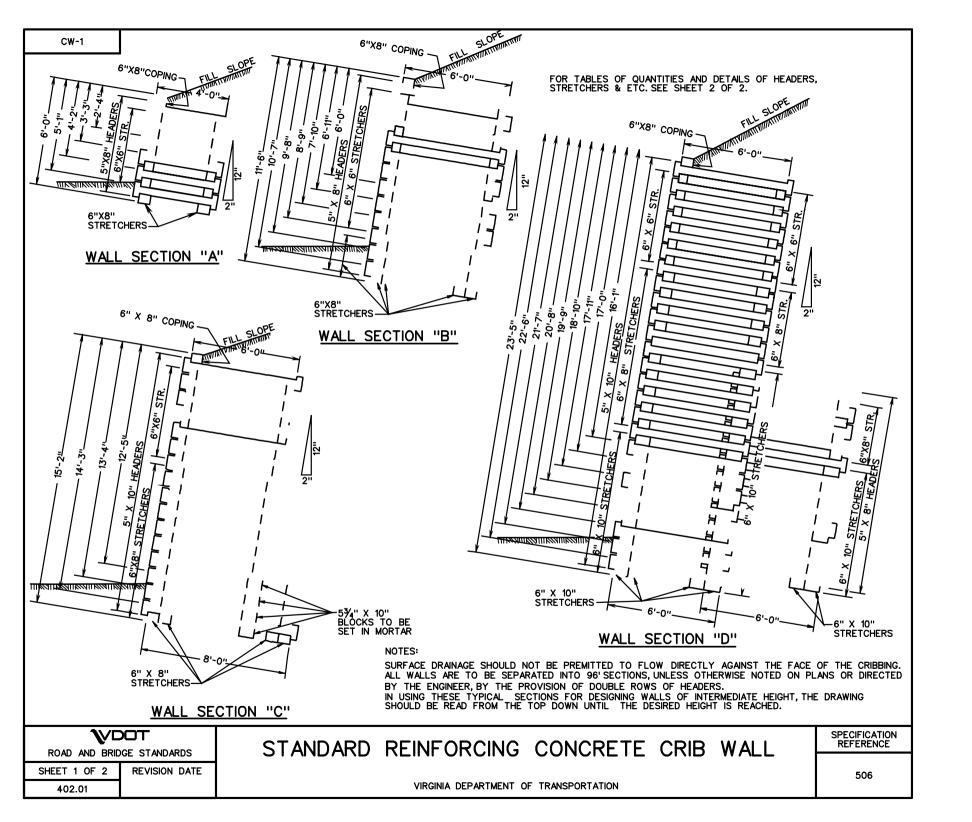
ROAD AND BRIDGE STANDARDS

REVISION DATE

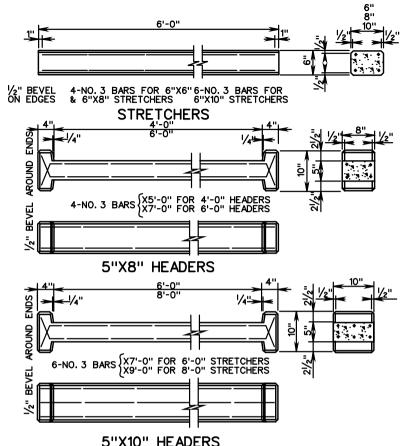
SHEET 1 OF 1

401.03

506







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UNIT	WEIGHT	CU. FT.
5"X8"X4'-0" HEADER	235#	1.48
5"X8"X6'-0" HEADER	325#	2.04
5"X10"X6'-0" HEADER	405#	2.55
5"X10"X8'-0" HEADER	515#	3.24
6"X6"X6'-0" STRETCHER	240#	1.50
6"X8"X6'-0" HEADER	320#	2.00
6"X10"X6'-0" HEADER	400#	2.50
5¾"X10"X10" BLOCK	50#	0.33

ALL REINFORCING TO BE NO. 3 BARS PLACED 1" CLEAR FROM SURFACE OF CONCRETE.

BARS TO BE HELD IN POSITION BY CHAIRS HAVING NON-CORROSIVE TIPS CLASS A-5 CONCRETE TO BE USED EXCEPT MAXIMUM SIZE AGGREGATE TO BE NO. 7.

HEIGHT	UNITS REQUIRED FOR TYPICAL WALL 96' LONG								
OF	HEADERS			STRETCHERS			BL'K'S	٦8	
WALL	5"X8" X4'-0"	5"X8" X6'-0"	5"X10" X6'-0"		6"X6" X6'-0"		6"X10" X6'-0"	5¾"X 10"X10"	WALL SECTION
2'-4"	34				32	48			
3'-3"	51				64	48			1
4'-2"	68				96	48			_₹
5'-1"	85				128	48] -
6'-0"	102				160	48			
6'-0"		102			224	16			
6'-11''		119			256	16			
7'-10"		136			288	16			
8'-9"		153			320	16			.B.
9'-8"		170			288	80			
10'-7"		187			288	112			
11'-6''		204			288	144			
12'-5"			204	17	192	272		17	
13'-4"			204	34	192	304		34	"C"
14'-3"			204	51	192	336		51	
15'-2"			204	68	192	368		68	
16'-1"		68	289		192	336	144		
17'-0"		85	306		192	320	208		D.,
17'-11"		102	323		192	320	256		
18'-10"		119	340		192	320	304		
19'-9"		136	357		192	320	352		
20'-8"		153	374		192	320	400		
21'-7"		170	391		192	320	448		
22'-6"		187	408		192	320	496		
23'-5"		204	425		192	320	544		

CRIBBING IS TO BE PLACED ON A FOUNDATION OF FIRM BEARING MATERIAL MEETING THE APPROVAL OF THE ENGINEER.

THIS FOUNDATION IS TO BE AT LEAST 3'BELOW THE SURFACE OF THE GROUND, BEYOND ALL DANGER OF FROST, UNLESS ON SOLID ROCK.

FOR DETAILS NOT SHOWN ON THIS SHEET, SEE SHEET 1 OF 2. BLOCKS SHALL BE SET IN MORTAR.

SPECIFICATION REFERENCE

506

STANDARD REINFORCED CONCRETE CRIB WALL

VIRGINIA DEPARTMENT OF TRANSPORTATION

	VDOT						
ROAD	and	BRIDGE	STANDARDS				

REVISION DATE

SHEET 2 OF 2

402.02

