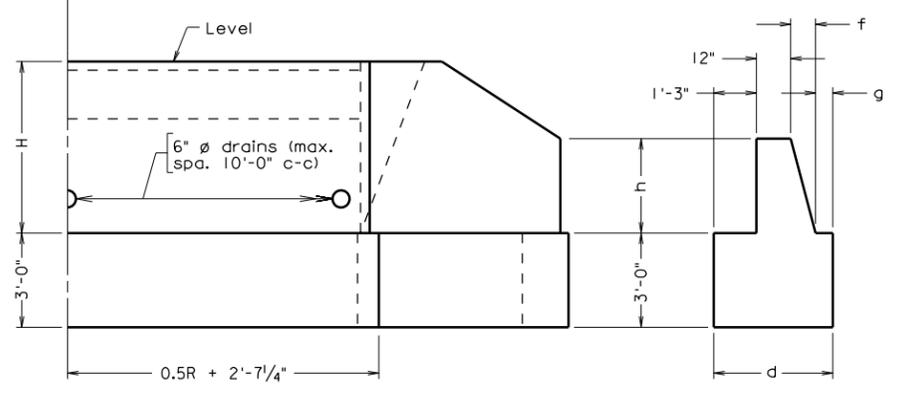
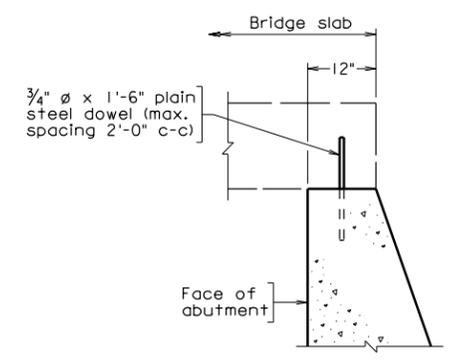


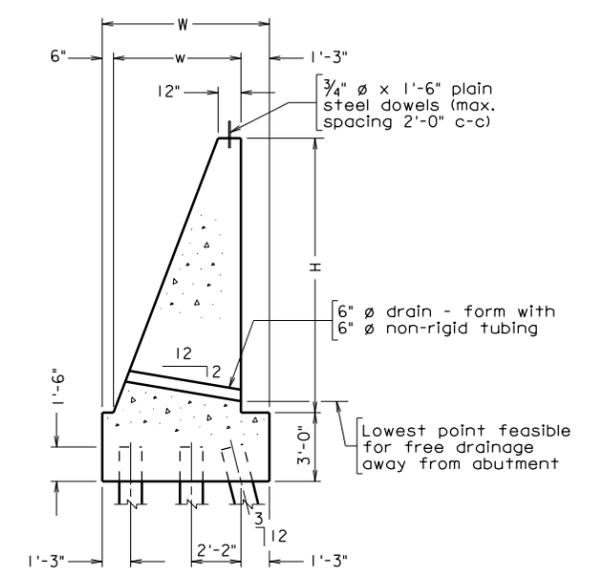
HALF PLAN



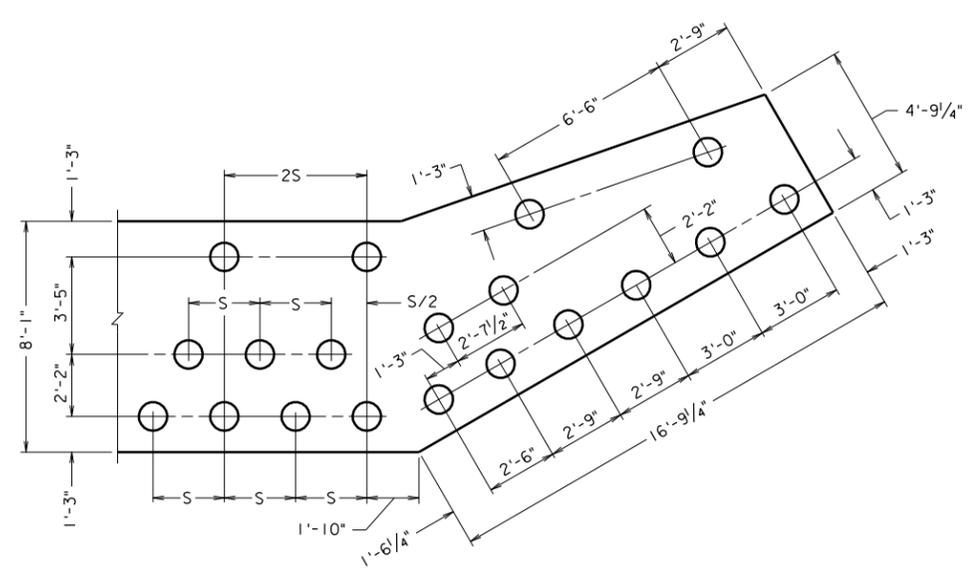
HALF ELEVATION
Piles omitted for clarity



TYPICAL BRIDGE SEATS



TYPICAL SECTION ON CL



PILE PLAN

DIMENSION DATA	
H =	
L =	
R =	
W =	
c =	
d =	
f =	
g =	
h =	
w =	

CS-APL15-0 06-14-2010

Sealed and Signed by:
Julius F.J. Volgyi Jr.
Lic. No. 010487
On the date of
June 14, 2010

A copy of the original
sealed and signed
standard drawing
is on file in the
Central Office.

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

Not to scale

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION				
STRUCTURE AND BRIDGE DIVISION				
ABUTMENT				
No.	Description	Date	Designed:	Date
			Drawn:	Plan No.
			Checked:	Sheet No.
Revisions			CS-APL15-0	

CAST-IN-PLACE CONCRETE SLAB SPANS

ABUTMENTS ON PILES 0° SKEW - FILL SLOPE 1½ : 1

NOTES TO DESIGNER:

Standard to be used when abutments are on piles.

Standard is for: 0° skew
1½ : 1 fill slope

TABLE OF DIMENSIONS AND QUANTITIES									
ABUTMENT*					2-WINGS				
H	w	W	Neat – CY per ft. of R	Ftg – CY per ft. of R	L	h	f	Neat CY	Footing CY
4'-0"	2'-4"	4'-6"	0.260R	0.500R	3'-0"	2'-3"	6 ¾"	3.3	6.2
5'-0"	2'-9"	4'-6"	0.360R	0.500R	4'-0"	2'-9"	8 ¾"	5.1	7.3
6'-0"	3'-2"	4'-11"	0.475R	0.546R	5'-0"	3'-0"	10 ⅛"	7.3	8.7
7'-0"	3'-7"	5'-4"	0.606R	0.593R	6'-0"	3'-6"	1'-0 ½"	10.0	10.2
8'-0"	3'-11"	5'-8"	0.740R	0.630R	7'-0"	4'-0"	1'-2 ¾"	13.1	11.7
9'-0"	4'-4"	6'-1"	0.901R	0.676R	8'-0"	4'-6"	1'-4 ¾"	17.0	13.4
10'-0"	4'-9"	6'-6"	1.076R	0.722R	9'-0"	4'-9"	1'-6 ¼"	21.2	15.2
11'-0"	5'-2"	6'-11"	1.267R	0.769R	11'-0"	4'-9"	1'-6 ⅝"	27.1	18.1
12'-0"	5'-7"	7'-4"	1.474R	0.815R	12'-0"	5'-0"	1'-8"	32.8	20.1
13'-0"	5'-11"	7'-8"	1.676R	0.852R	13'-0"	5'-6"	1'-9 ⅞"	39.1	22.1
14'-0"	6'-4"	8'-1"	1.912R	0.898R	14'-0"	6'-0"	2'-0 ¼"	46.6	24.4

* To compute concrete quantity of the abutment, multiply volume as tabulated by R. Footing quantities do not include deductions for piles.

$$c = 2 \frac{1}{8}'' \text{ (H = 4'-0'')} \\ c = 1 \frac{1}{8}'' \text{ (H = 5'-0'' to 14'-0'')}$$

$$d = 3'-2'' + f \text{ (H = 4'-0'')} \\ d = 2'-9'' + f \text{ (H = 5'-0'' to 14'-0'')}$$

$$g = 11'' \text{ (H = 4'-0'')} \\ g = 6'' \text{ (H = 5'-0'' to 14'-0'')}$$

CAST-IN-PLACE CONCRETE SLAB SPANS

**ABUTMENTS ON PILES
0 ° SKEW - FILL SLOPE 1½ : 1**

NOTES TO DESIGNER(cont'd):

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

PROJECT/TITLE BLOCKS:

Project block and title block shall be completed in accordance with Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 4.

DIMENSION DATA:

Enter H, L, R, W, c, d, f, g, h, and w dimensions in the DIMENSION DATA table.

TYPICAL BRIDGE SEATS:

If approach slab is required, replace details with cell BSA.

SECTION ON CENTERLINE:

Typical Section based on H = 11'-0" to 14'-0" with no approach slab. Replace with appropriate cell if needed.

PILE PLAN:

Based on skew angle = 0 and H = 14'-0", replace the pile plan cell with the appropriate pile plan cell if needed.