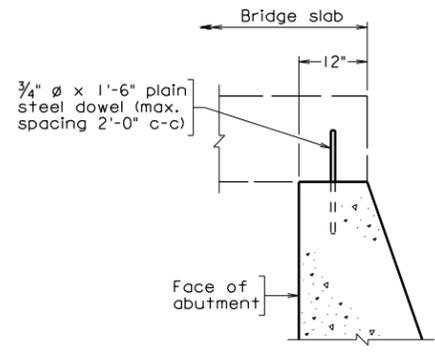
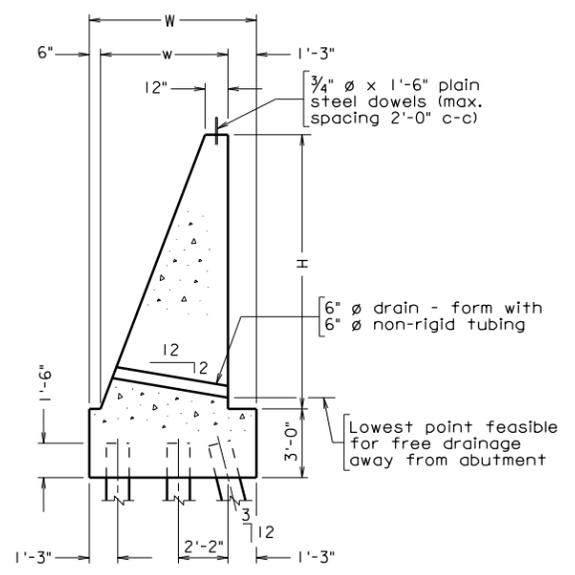


HALF PLAN

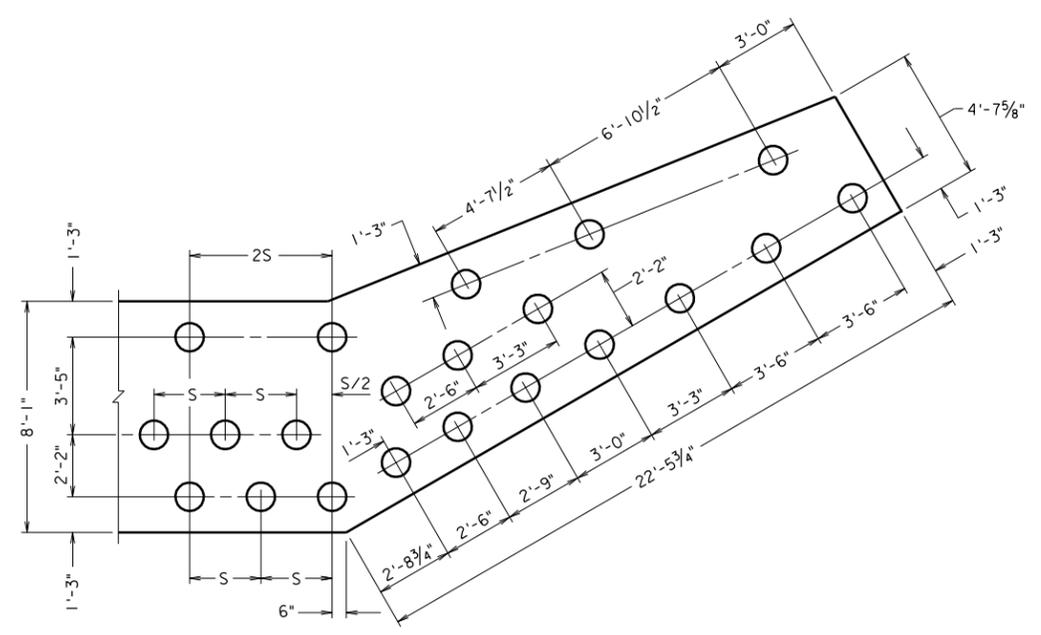
HALF ELEVATION
Piles omitted for clarity



TYPICAL BRIDGE SEATS



TYPICAL SECTION ON CL



PILE PLAN

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

CS-APL2-0 06-14-2010 csapl20.dgn

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-APL2-0	

CAST-IN-PLACE CONCRETE SLAB SPANS

ABUTMENTS ON PILES 0 ° SKEW - FILL SLOPE 2: 1

NOTES TO DESIGNER:

Standard to be used when abutments are on piles.

Standard is for: 0° skew
2: 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	4'-0"	2'-3"	6 1/4"	3.9	7.5
5'-0"	2'-9"	4'-6"	0.360R	0.500R	5'-0"	2'-9"	8 1/2"	5.9	8.7
6'-0"	3'-2"	4'-11"	0.475R	0.546R	7'-0"	3'-0"	10"	8.9	11.0
7'-0"	3'-7"	5'-4"	0.606R	0.593R	8'-0"	3'-6"	1'-0 1/4"	12.0	12.7
8'-0"	3'-11"	5'-8"	0.740R	0.630R	10'-0"	3'-9"	1'-1 1/4"	16.2	15.2
9'-0"	4'-4"	6'-1"	0.901R	0.676R	11'-0"	4'-3"	1'-3 1/2"	20.7	17.2
10'-0"	4'-9"	6'-6"	1.076R	0.722R	13'-0"	4'-6"	1'-4 7/8"	26.7	20.2
11'-0"	5'-2"	6'-11"	1.267R	0.769R	14'-0"	5'-0"	1'-7 1/8"	32.8	22.4
12'-0"	5'-7"	7'-4"	1.474R	0.815R	16'-0"	5'-0"	1'-7 1/2"	40.3	25.7
13'-0"	5'-11"	7'-8"	1.676R	0.852R	17'-0"	5'-6"	1'-9 3/8"	47.7	28.0
14'-0"	6'-4"	8'-1"	1.912R	0.898R	19'-0"	5'-9"	1'-10 5/8"	57.7	31.7

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

$$c = 2 \frac{3}{8}'' \text{ (H = 4'-0'')} \\ c = 1 \frac{1}{4}'' \text{ (H = 5'-0'' to 14'-0'')}$$

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

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

CAST-IN-PLACE CONCRETE SLAB SPANS

**ABUTMENTS ON PILES
0 ° SKEW - FILL SLOPE 2: 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.