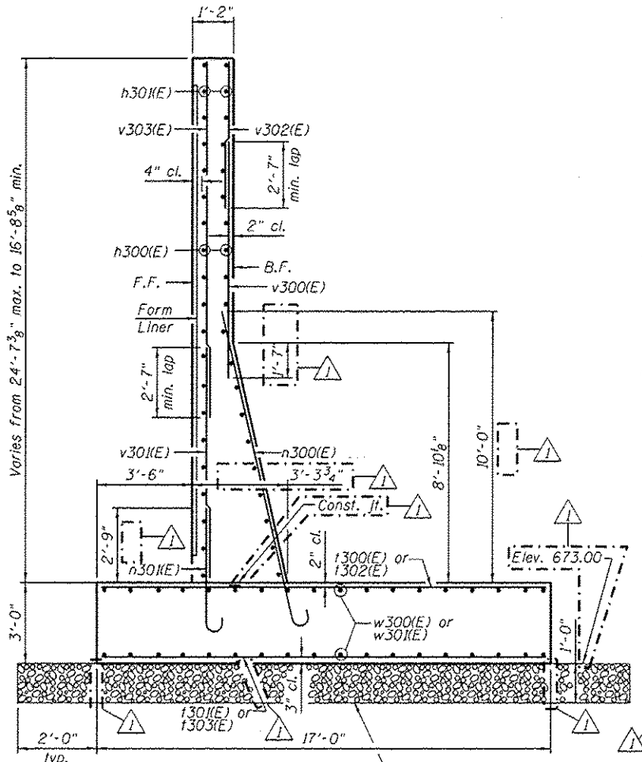
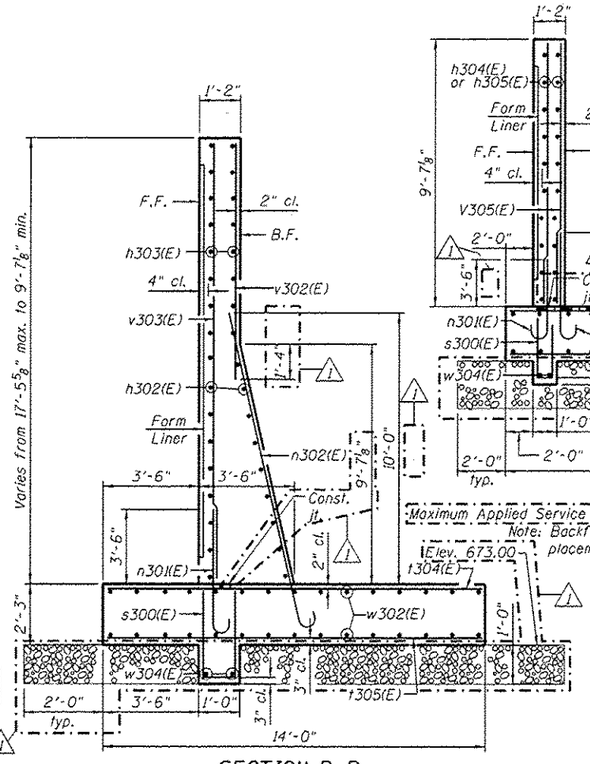


SECTION A-A

Maximum Applied Service Bearing Pressure = Qmax = 4.28 ksf

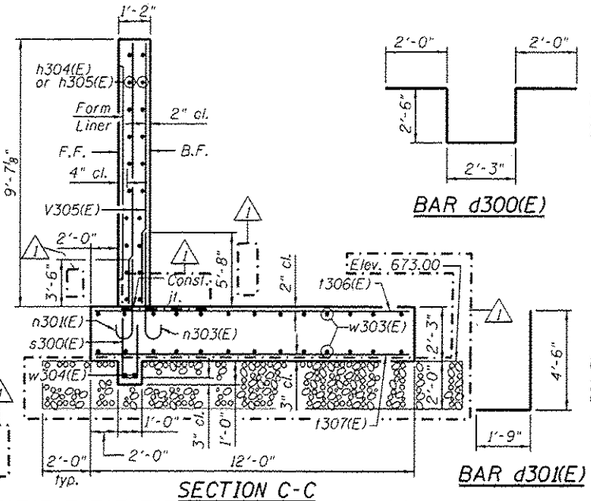
Limits of "Removal and Disposal of Unsuitable Material for Structures." Backfill with "Granular Embankment, Special" (compacted CA-6), typ.



SECTION B-B

Maximum Applied Service Bearing Pressure = Qmax = 2.88 ksf

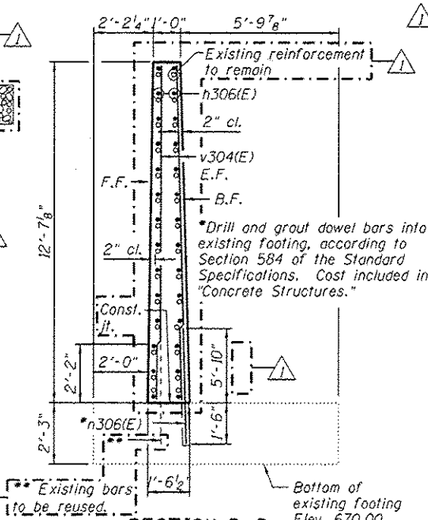
Note: Backfill shall be compacted prior to placement of shear key.



SECTION C-C

Maximum Applied Service Bearing Pressure = Qmax = 2.26 ksf

Note: Backfill shall be compacted prior to placement of shear key.

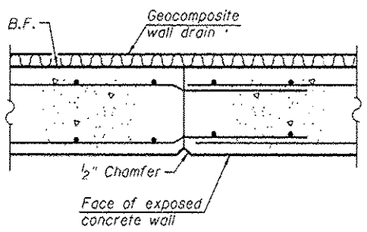


*Drill and grout dowel bars into existing footing, according to Section 584 of the Standard Specifications. Cost included in "Concrete Structures."

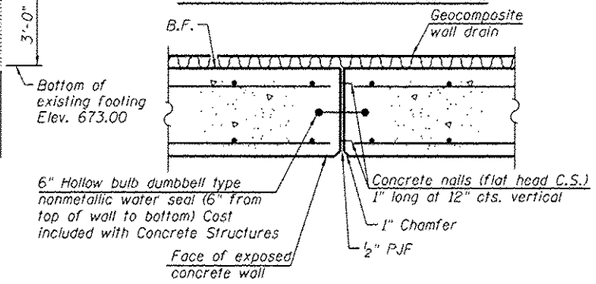
SECTION D-D

(Existing railroad abument footing)

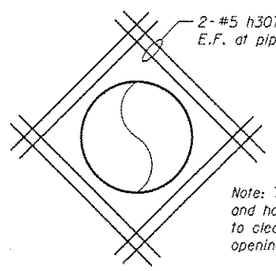
SECTION E-E



CONSTRUCTION JOINT DETAIL

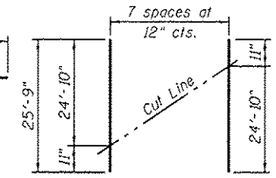


EXPANSION JOINT DETAIL



Note: Trim vertical and horizontal bars to clear pipe opening.

PIPE PENETRATION DETAIL



BAR d300(E)

BAR d301(E)

BAR h301(E)

Order h301(E) bars full length. Cut as shown and use remainder in opposite face of panel.

BAR h303(E)

Order h303(E) bars full length. Cut as shown and use remainder in opposite face of panel.

BAR v302(E)

Order v302(E) bars full length. Cut as shown and use remainder in B.F. of adjacent panel.

BAR v303(E)

Order v303(E) bars full length. Cut as shown and use remainder in F.F. of adjacent panel.

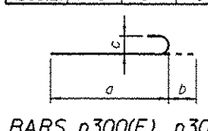
CUTTING DIAGRAMS

WALL BILL OF MATERIAL

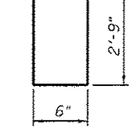
Bar	No.	Size	Length	Shape
d300(E)	5	#6	11'-3"	
d301(E)	3	#6	6'-3"	
h300(E)	38	#5	28'-6"	
h301(E)	8	#5	25'-9"	
h302(E)	20	#5	32'-0"	
h303(E)	8	#5	32'-3"	
h304(E)	22	#5	22'-4"	
h305(E)	22	#5	25'-8"	
h306(E)	28	#5	13'-8"	
h307(E)	16	#5	2'-6"	
n300(E)	51	#9	14'-0"	
n301(E)	103	#5	6'-1"	
n302(E)	59	#6	12'-8"	
n303(E)	92	#6	8'-4"	
n304(E)	5	#5	3'-9"	
n305(E)	8	#9	8'-6"	
n306(E)	29	#8	7'-4"	
s300(E)	38	#4	6'-0"	
t300(E)	4	#8	6'-8"	
t301(E)	8	#5	6'-8"	
t302(E)	27	#9	16'-8"	
t303(E)	52	#5	16'-8"	
t304(E)	30	#8	13'-8"	
t305(E)	59	#5	13'-8"	
t306(E)	92	#6	11'-8"	
t307(E)	92	#5	11'-8"	
v300(E)	59	#6	10'-6"	
v301(E)	30	#5	10'-11"	
v302(E)	59	#5	11'-9"	
v303(E)	30	#5	24'-10"	
v304(E)	30	#5	12'-3"	
v305(E)	92	#5	9'-6"	
w300(E)	36	#5	28'-6"	
w301(E)	2	#5	5'-0"	
w302(E)	30	#5	31'-9"	
w303(E)	52	#5	25'-8"	
w304(E)	6	#4	26'-3"	
Concrete Structures		Cu. Yd.	224.9	
Reinforcement Bars, Epoxy Coated		Pound	25,130	

Bars indicated thus 14 x 2-#5 etc. indicates 14 lines of bars with 2 lengths per line.

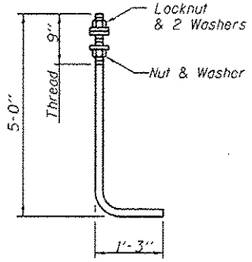
Bar	a	b	c
n300(E)	12'-9"	1'-3"	11 3/4"
n301(E)	5'-6"	7"	5"
n302(E)	12'-0"	8"	6"
n303(E)	7'-8"	8"	6"



BARS n300(E), n301(E), n302(E) and n303(E)



BAR s300(E)



ANCHOR ROD

Diameter as specified for light poles. (ASTM F 1554 Grade 105) Full length hot dipped galvanized.

URS
10 S. WACKER DR.
SUITE 1300
CHICAGO, IL 60606
TEL (312)939-1000
FAX (312)939-4188

FILE NAME = 016Z003-60M62-004-det.dgn	USER NAME = areelan.khan	DESIGNED - AMV	REVISED - 04/12/2013 P.M.H.
		CHECKED - MGB	REVISED -
	PLOT SCALE = 8.2.0000 '/ / in.	DRAWN - AMV/MJL	REVISED -
	PLOT DATE = 4/12/2013	CHECKED - MGB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTIONS AND DETAILS
STRUCTURE NO. 016-Z003
SHEET NO. 4 OF 7 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	406
		CONTRACT NO. 60M62		
	ILLINOIS FED. AID PROJECT			