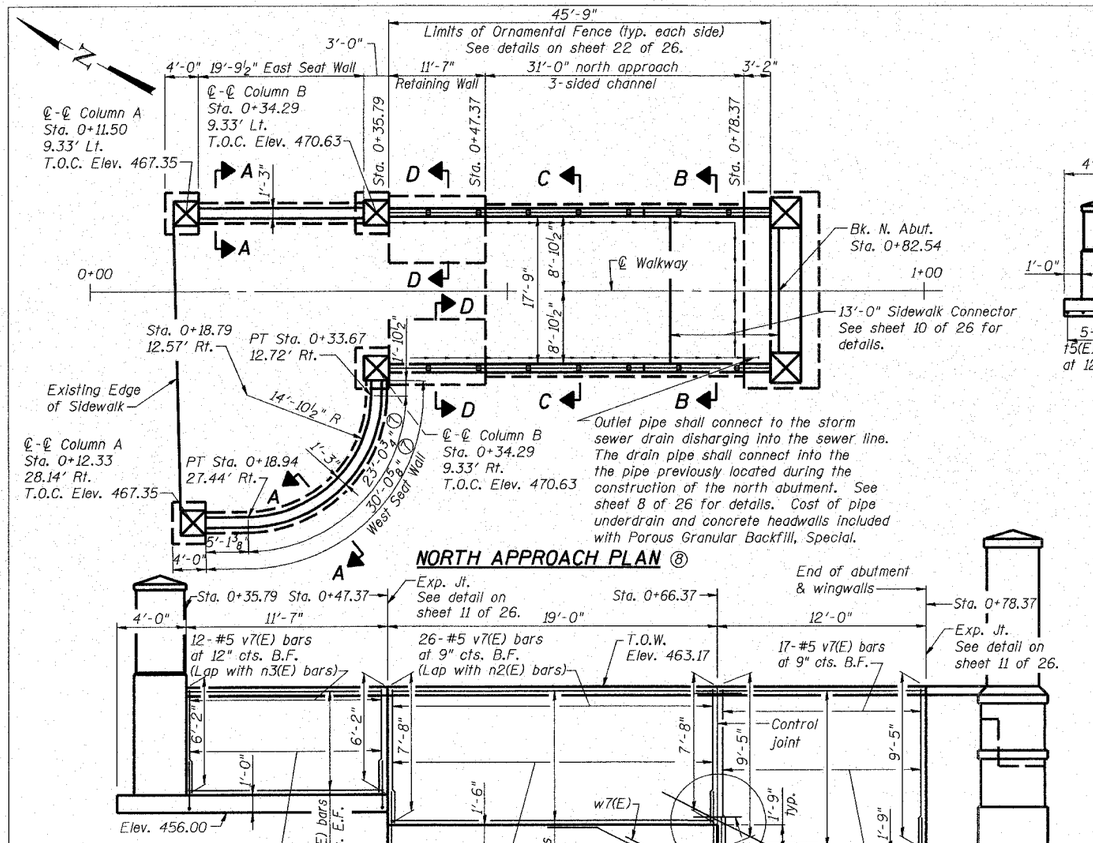
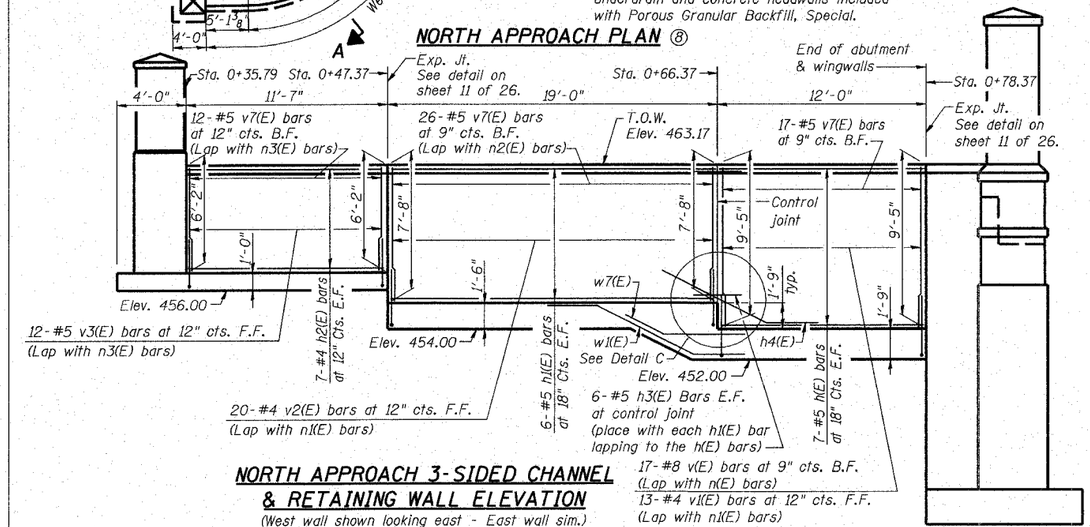
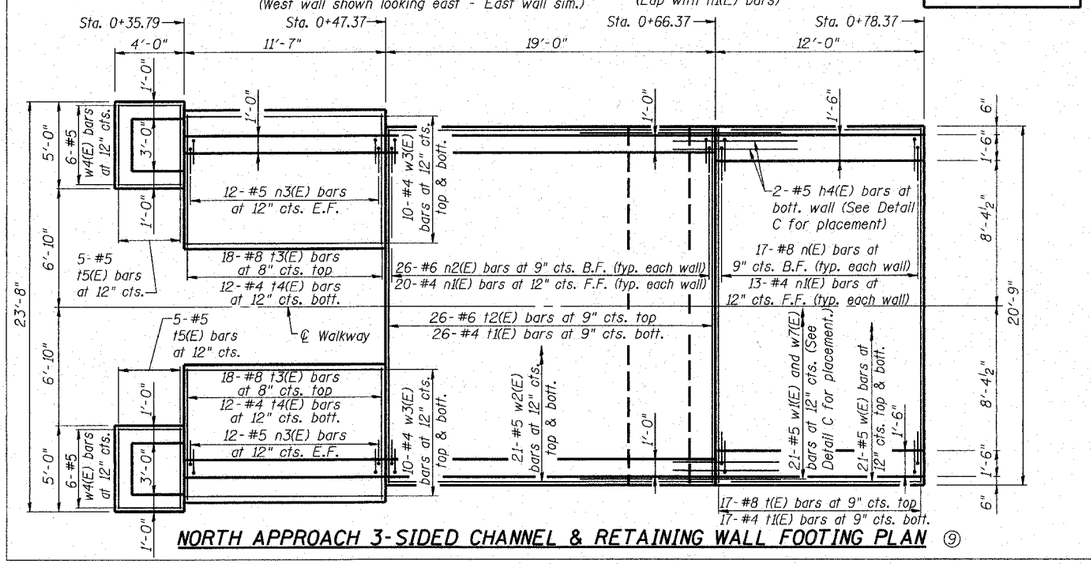


NORTH APPROACH PLAN ⑧

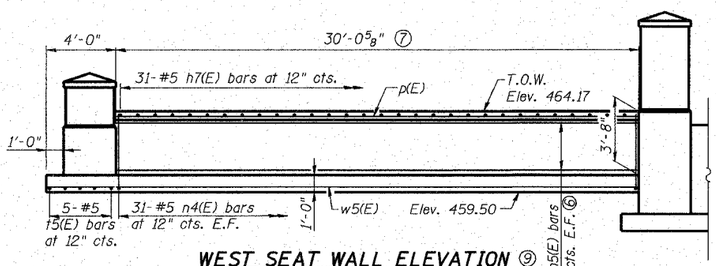


NORTH APPROACH 3-SIDED CHANNEL & RETAINING WALL ELEVATION

(West wall shown looking east - East wall sim.)

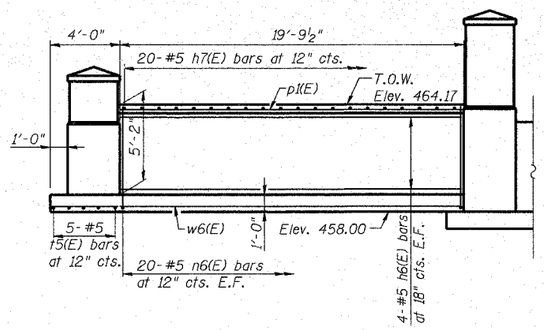


NORTH APPROACH 3-SIDED CHANNEL & RETAINING WALL FOOTING PLAN ⑨



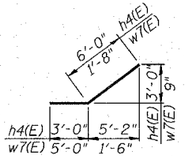
WEST SEAT WALL ELEVATION ⑨

(Looking east)

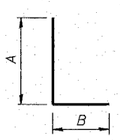


EAST SEAT WALL ELEVATION ⑨

(Looking east)



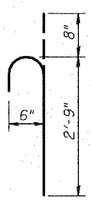
BARS h4(E) & w7(E)



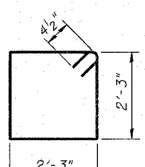
BARS n(E), n1(E), n2(E), n3(E), n4(E) & n6(E)

A & B DIMENSIONS

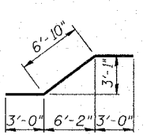
Bar	A	B
n(E)	6'-2"	1'-4"
n1(E)	3'-4"	8"
n2(E)	4'-9"	1'-0"
n3(E)	3'-1"	10"
n4(E)	5'-3"	1'-4"
n6(E)	5'-9"	1'-4"



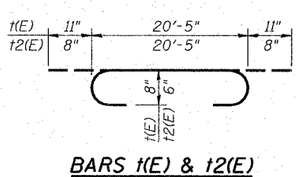
BAR n5(E)



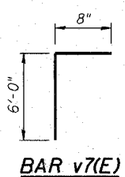
BAR s(E)



BAR w1(E)



BARS t(E) & t2(E)



BAR v7(E)

Notes:

1. Space reinforcement in wall cap to miss fence inserts.
2. For Sections A-A, B-B, C-C, D-D, Detail C & Sidewalk Connector Plan, see sheet 10 of 26.
3. See sheet 11 of 26 for limits of Form Liner Textured Surface and Rubbed Finish.
4. All edges shall have 1½" chamfer unless noted otherwise.
5. E.F. denotes each face.
   F.F. denotes front face.
   B.F. denotes back face.
   T.O.W. denotes top of wall.
   T.O.C. denotes top of column.
6. Bend p(E), h5(E) and w5(E) bars as required to achieve equal spacing in the top of the seat wall.
7. Measured along the B.F. of the seat wall.
8. Architectural bumpouts on columns not shown for clarity.
9. Bar n5(E) to be cast with the column footing not shown for clarity. Bars shown in column detail on sheet 10 of 26.

BILL OF MATERIAL

(North approach 3-sided channel, retaining walls, columns and seat walls.)

Bar	No.	Size	Length	Shape
h(E)	28	#5	11'-8"	—
h1(E)	24	#5	18'-8"	—
h2(E)	28	#4	11'-3"	—
h3(E)	24	#5	4'-8"	—
h4(E)	4	#5	9'-0"	⟋
h5(E)	6	#5	29'-8"	—
h6(E)	8	#5	19'-5"	—
h7(E)	51	#5	0'-11"	—
n(E)	34	#8	7'-6"	L
n1(E)	66	#4	4'-0"	L
n2(E)	52	#6	5'-9"	L
n3(E)	48	#5	3'-11"	L
n4(E)	62	#5	6'-7"	L
n5(E)	48	#6	3'-5"	⊂
n6(E)	40	#5	7'-1"	L
p(E)	3	#4	29'-8"	—
p1(E)	3	#4	19'-5"	—
s(E)	44	#4	9'-9"	⊡
t(E)	17	#8	22'-3"	⊃
t1(E)	43	#4	20'-5"	—
t2(E)	26	#6	21'-9"	⊃
t3(E)	36	#8	8'-8"	—
t4(E)	24	#4	8'-8"	—
t5(E)	20	#5	4'-8"	—
v(E)	34	#8	4'-3"	—
v1(E)	26	#4	8'-6"	—
v2(E)	40	#4	7'-0"	—
v3(E)	24	#5	5'-6"	—
v4(E)	24	#6	12'-10"	—
v5(E)	12	#6	7'-8"	—
v6(E)	12	#6	6'-2"	—
v7(E)	110	#5	6'-8"	⌐
w(E)	42	#5	13'-5"	—
w1(E)	21	#5	12'-10"	⟋
w2(E)	42	#5	18'-8"	—
w3(E)	40	#4	11'-3"	—
w4(E)	24	#5	3'-8"	—
w5(E)	3	#5	29'-8"	—
w6(E)	3	#5	19'-5"	—
w7(E)	21	#5	6'-8"	⟋
Structure Excavation			Cu. Yd.	382
Concrete Structures			Cu. Yd.	105.9
Reinforcement Bars, Epoxy Coated			Pound	12,500
Sidewalk Connector			Sq. Yd.	25

NORTH ABUTMENT RETAINING WALL PLAN AND DETAILS
ALTON PEDESTRIAN WALKWAY OVER UNION PACIFIC RAILROAD, NORFOLK SOUTHERN RAILROAD AND US ROUTE 67
SECTION 06-00224-00-BR
MADISON COUNTY
STA. 2+42.54
STRUCTURE NO. 060-6111

REVISIONS

OATES ASSOCIATES
Consulting Engineers
Eastport Business Center I
1081 Tamarack Court, Suite 3
Collinsville, Illinois 62234
Phone: 618 345-2200
Facsimile: 618 345-7233
e-mail: info@oatesassociates.com
web-site: www.oatesassociates.com

ALTON, ILLINOIS
PEDESTRIAN OVERPASS AT LANGDON ST.

DWG. NO. S9
6111-09-NABUTDTLSHT1.DGN
REF. BK. PG.
JOB NO. 26053
DSN. BY: JGS
DWN. BY: JGS
CHK. BY: DGL
DATE: 3/28/08
SCALE: