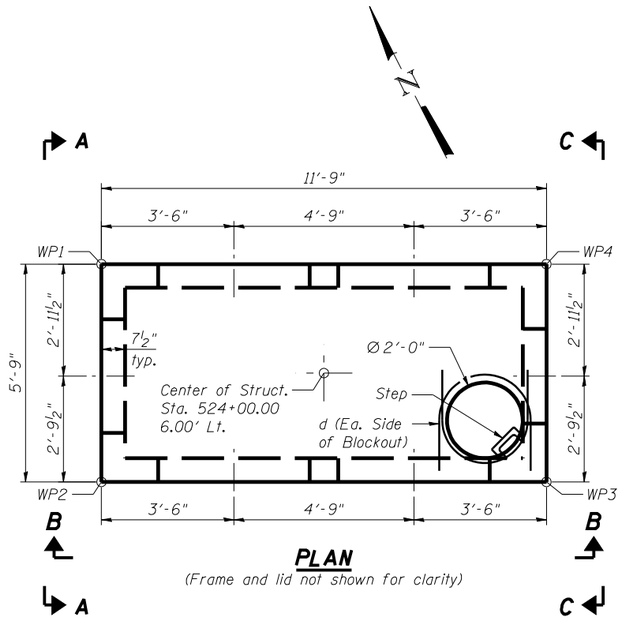
*BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	9	#5	5'-6"	
a1	48	#5	6'-8"	
a2	7	#4	5'-6"	
b	23	#4	11'-6"	
b1	10	#5	11'-6"	
d	2	#4	6'-4"	
d1	2	#4	7'-2"	
d2	2	#4	7'-11"	
d3	8	#4	9'-6"	
h	22	#5	11'-6"	
h1	22	#5	5'-6"	
v	54	#5	8'-2"	
v1	54	#5	3'-1"	
Concrete Structures			Cu. Yd.	7.0
Reinforcement Bars			Pound	1,820

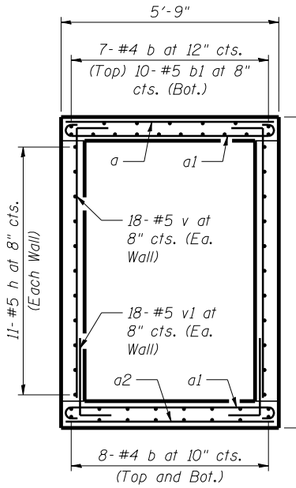
* For information only.

WORK POINTS

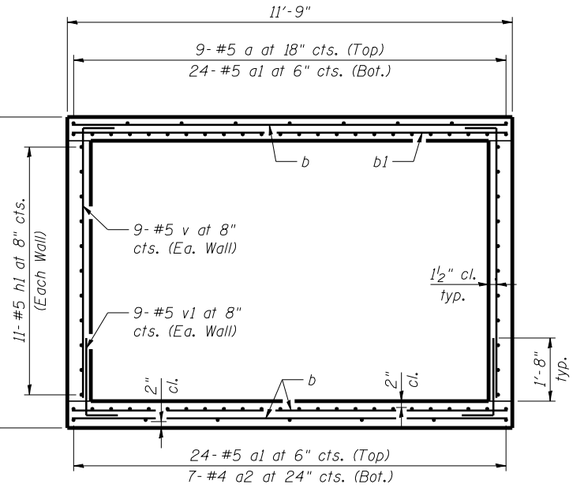
WP	Station	Offset
WP1	523+94.36	8.62' Lt.
WP2	523+94.37	3.37' Lt.
WP3	524+05.63	3.37' Lt.
WP4	524+05.64	8.62' Lt.



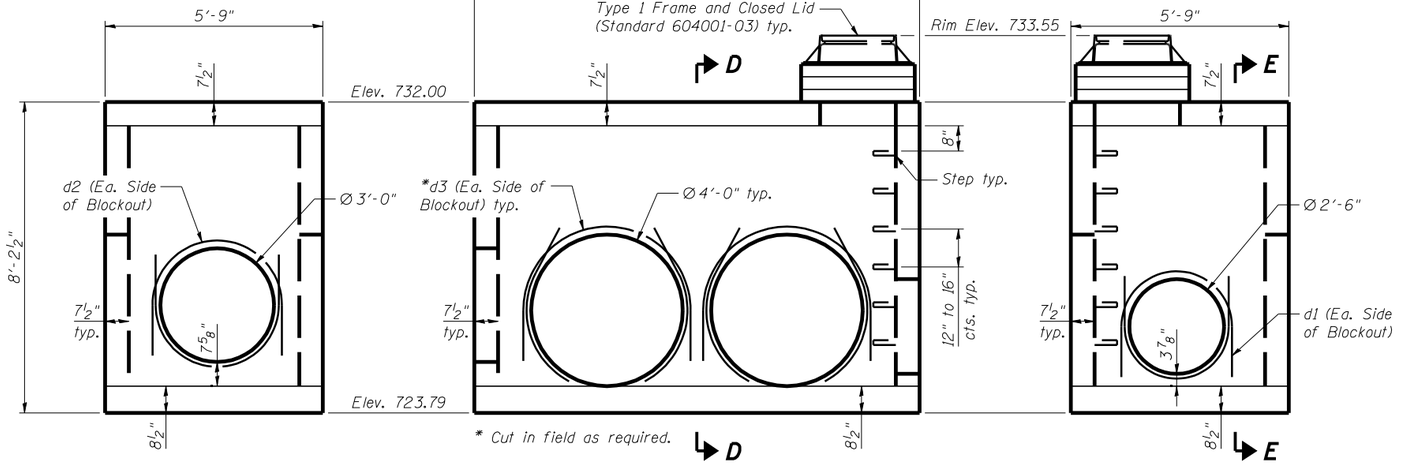
PLAN
(Frame and lid not shown for clarity)



SECTION D-D
(Blockouts not shown for clarity)



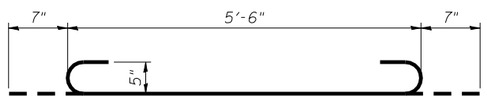
SECTION E-E
(Blockouts not shown for clarity)



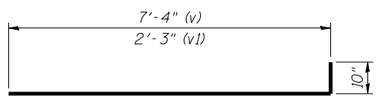
VIEW A-A

VIEW B-B
(North face similar)

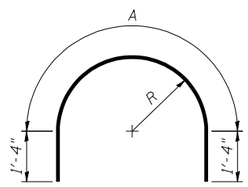
VIEW C-C



BAR a1



BARS v and v1



BARS d THRU d3

Bar	R	A
d	1'-2"	3'-8"
d1	1'-5"	4'-5½"
d2	1'-8"	5'-3"
d3	2'-2"	6'-9½"

NOTES:

1. Contractor shall verify all field dimensions prior to commencing work, including verification that the openings provided on this detail will accomodate the pipe sizes and inverts as given on the Drainage and Utility Plans.
2. Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60.
3. All bar dimensions are out-to-out.
4. Bars shall be cut in field as required to accommodate blockouts.
5. See Std. 602701 for manhole step details.
6. Quantities for Concrete Structures and Reinforcement Bars are for information only. All work and materials shown on this sheet shall be paid for as Junction Box, Number 1.
7. All joints between pipe and structure shall be mortared from both sides.
8. Contractor may install the pipe(s) that enter the structure with the cast-in-place concrete, without forming the holes noted separately, as approved by the Engineer. It shall be the Contractor's responsibility to provide compacted support for the pipe(s) to ensure no differential settlement will occur.

FILE NAME = ...\D468620-sht-JuncMH1.dgn	DESIGNED - MFH	REVISED -	benesch engineers · scientists · planners	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JUNCTION BOX NUMBER 1
USER NAME = toddblank	DRAWN - MFH	REVISED -			SCALE: NTS | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.
PLOT DATE = 7/17/2012	CHECKED - SLD	REVISED -			
	DATE - JULY 20, 2012	REVISED -			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	90-I14R;(14HB-4,14,14HVB)BR1	TAZEWELL	2433	1460
		CONTRACT NO. 68620		
	ILLINOIS FED. AID PROJECT			