



REBAR SCHEDULE

Bar	Shape	No.	Length	Weight
a1	[]	1	17'10"	11.91
a2	[]	1	16'2"	10.80
a3	[]	1	15'8"	10.47
a4	[]	1	15'3"	10.19
a5	[]	1	14'9"	9.80
a6	[]	1	14'3"	9.52
a7	[]	1	13'9"	9.19
a8	[]	1	13'5"	8.96
a9	[]	1	12'11"	8.63
b1	[]	1	8'9"	5.85
b2	[]	1	6'9"	4.51
b3	[]	1	9'7"	6.40
b4	[]	1	14'9"	9.80
b5	[]	1	11'9"	7.80
b6	[]	1	15'3"	10.19
c1	[]	1	11'7"	7.74
c2	[]	1	12'2"	8.30
c3	[]	1	12'11"	8.63
c4	[]	1	13'9"	9.19
c5	[]	1	14'9"	9.85
c6	[]	1	15'9"	10.52
c7	[]	1	16'7"	11.08
d1	[]	4	1'2"	3.12
d2	[]	4	8"	1.78
e	[]	3	6'6"	13.03
f	[]	4	3'4"	8.91
g	[]	3	11'2"	22.38
h	[]	7	2'9"	12.86
i1	[]	1	10'7"	7.07
i2	[]	1	8'8"	5.79
i3	[]	1	6'9"	4.51
i4	[]	1	4'8"	3.12
i5	[]	1	2'11"	1.95
Total Rebar			265.92 Lbs.	
Concrete			5.37 C.Y.	

See Handrail Detail Sheet for Handrail Installation.

- GENERAL NOTES**
- ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO CONCRETE HEADWALL.
 - CONCRETE USED IN HEADWALL CONSTRUCTION SHALL BE SAME AS PER CITY STANDARD PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 - ALL EXPOSED EDGES SHALL BE BEVELED 1/2".
 - REINFORCING STEEL SHALL COMPLY TO A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
 - THE "REIN. CONC. HEADWALL" SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO THE BID ITEM OUTFALL STRUCTURE (INCLUDES GABIONS, HEADWALL, CONCRETE) AND SHALL INCLUDE ALL LABOR, MATERIALS, EXCAVATION, CONCRETE, REINFORCING STEEL AND ALL OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK. MATERIAL QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

A Deduction in Concrete Quantities Has Been Made for Pipe Openings Through the Headwall
 * Field Bend or Cut Reinforcing as Required for Clearance.
 All Concrete Reinforcement to be #4 Rebar
 All Rebar to Have Min. of 1 1/2" Conc. Cover

HEADWALL FOR 48" RCP

Drawing File: E:\eng\Central & Tyler Intersection\Details\Hdw\hdw.dwg

Design: KK
 Drawn: TCA
 Approved: JFB
 Scale: NOTED

Project No. 05-10-E393 CAPITAL IMPROVEMENT PROJECT
Headwall Details
 SOUTH OF CENTRAL & TYLER INTERSECTION

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 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE