



SEE STANDARD 840.54

14'-9"

**PLAN** 

16'-1"

14'-9"

√(4) "D" BARS

PER PIPE

SECTION B-B

"B" BARS @ 8" CTS.

"A1" BARS @ / 8" CTS.

78" CMP

"A" BARS @ 8" CTS.

78" CMP

FOR MANHOLE COVER & FRAME

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60" WSP

SEE STANDARD 840.54

FOR MANHOLE COVER & FRAME

<u>''C1" BAR @</u>

36" RCP (BEHIND) NOT SHOWN FOR CLARITY

<u>"B1" BARS @</u>

8" CTS.

"C" BAR @ 6" CTS.

"B" BARS @ 6" CTS.

8" CTS.

PROPOSED 24" RCP

"B1" BARS @

8" CTS.

8" CTS.

"B" BARS @

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PROPOSED 24" RCP

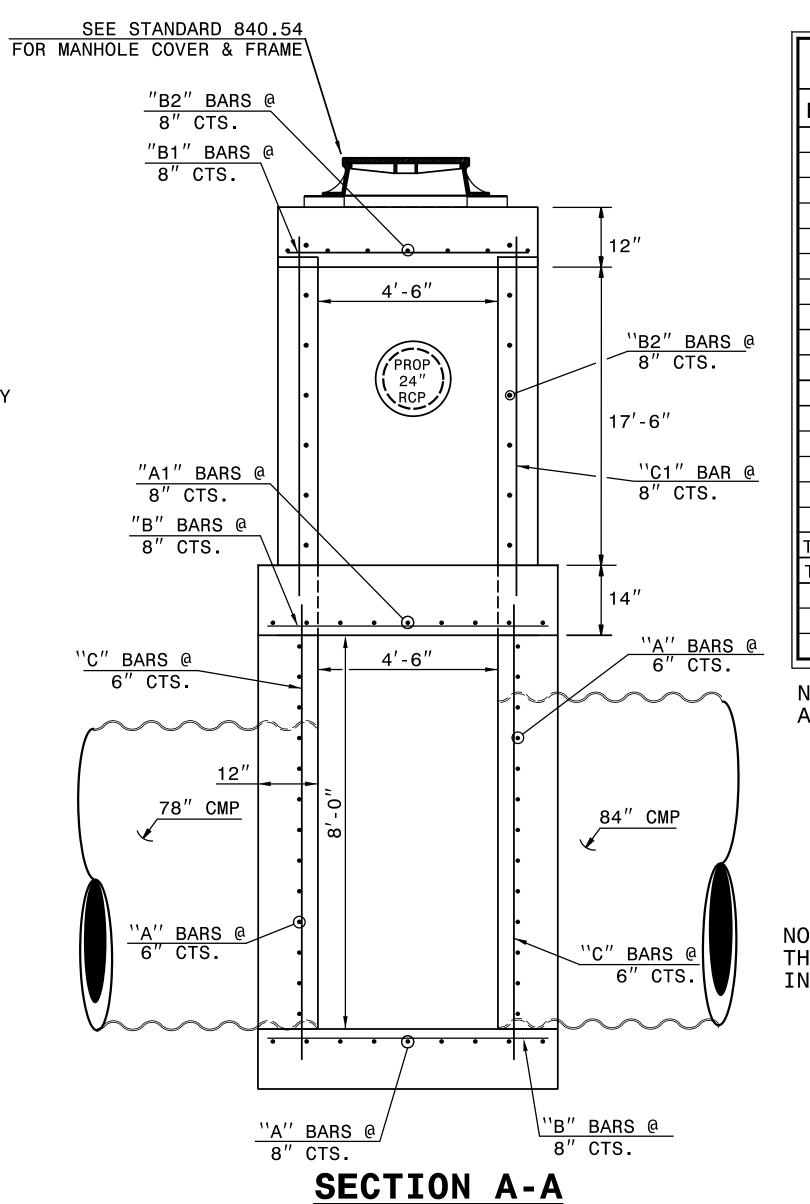
60" WSP

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BUNDLE "B" BARS @ OPENING

PROP 24" RCP

- 1. USE CLASS "AA" CONCRETE THROUGHOUT.
- 2. CONSTRUCT CONCRETE BOX IN ACCORDANCE WITH SECTION 825 OF THE STANDARD SPECIFICATIONS.
- 3. USE FORMS TO CONSTRUCT THE BOTTOM SLAB.
- 4. ADJUST LENGTH OF STEEL BARS AS NEEDED TO COMPENSATE FOR PIPES AND FRAME AND GRATE OPENINGS.
- 5. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60.
- 6. CUT OR BEND STEEL BARS AS NEEDED TO PROVIDE 2" CLEARANCE.
- 7. HEIGHT OF JUNCTION BOX MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.
- 8. PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
- 9. IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX,
- ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
- 10. ALL REINFORCING SHALL HAVE 2" MINIMUM COVER UNLESS OTHERWISE NOTED.
- 11. BUNDLE THE FIRST "C" BARS ON BOTH SIDES OF ANY PIPE OPENING.
- 12. SEAL JOINTS WITH A FLEXIBLE BUTYL RUBBER BASE CONFORMING TO FEDERAL SPECIFICATION SS-S-21A, AASHTO M-198, TYPE B - BUTYL RUBBER.



BILL OF MATERIALS				
BAR	QTY	SIZE	LENGTH	WEIGHT
Α	39	#5	15'-9"	641
В	72	#5	6'-2"	464
С	90	#6	9'-0"	1217
D	12	#5	6'-0"	76
A1	9	#5	10'-3"	97
B1	63	#5	5'-6"	362
B2	62	#5	6'-0"	388
C1	34	#5	18'-6"	657
TOTAL	REINF	STE	EL (lbs.)	3902
TOTAL CONC. CU. YDS.				30.1

NO DEDUCTIONS HAVE BEEN MADE TO ACCOMMODATE PIPES.

NOTE: MANHOLE RISER NOT IN THIS SECTION BUT SHOWN FOR INFORMATION PURPOSES.

STRUCTURE #739 NOT TO SCALE

"B" BARS @ 6" CTS.

"C" BARS @ 6" CTS.

(TYP.)—

6" MIN. EMBED.