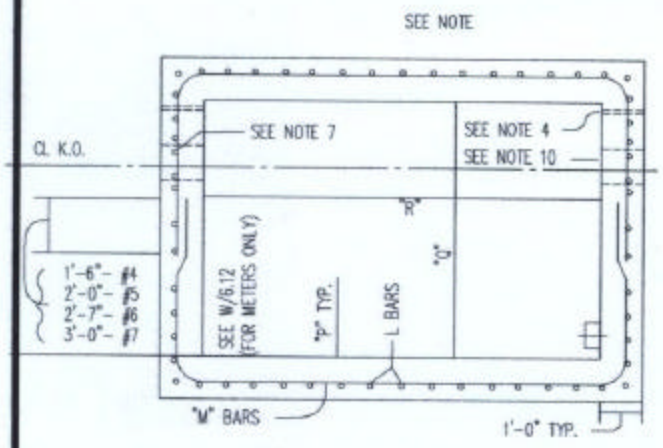
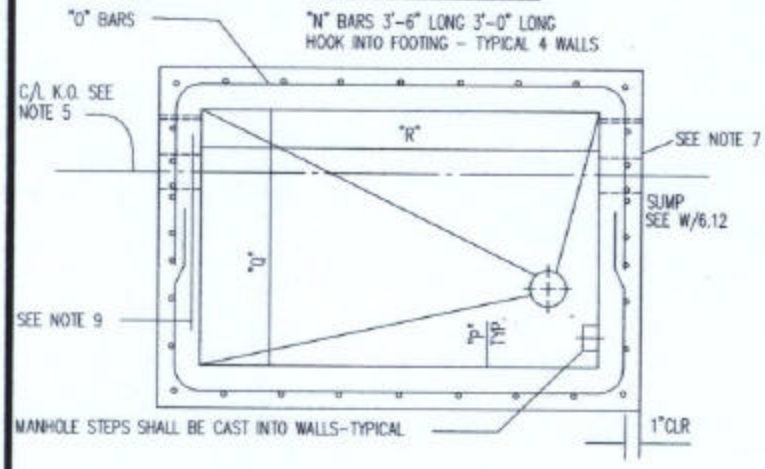
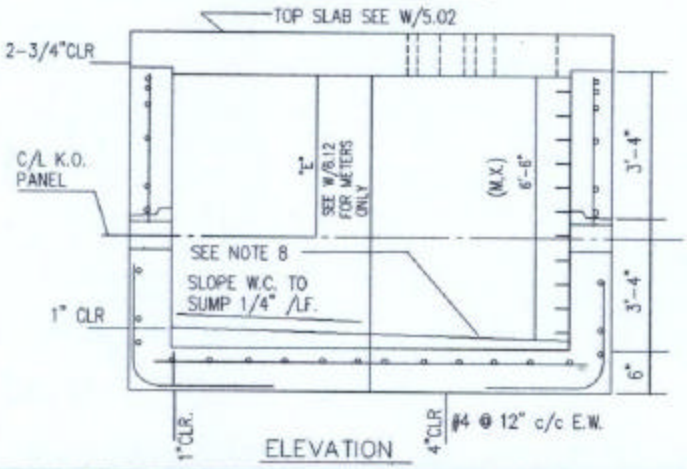


PLAN – TOP BARREL



PLAN – BOTTOM BARREL



ELEVATION

PRECAST CONCRETE VAULT NOTES

1. F'c = 5000 PSI @ 28 DAYS
2. f'y = 60,000 PSI.
3. VAULTS ARE DESIGNED FOR THE FOLLOWING CONDITION.
   A. H20 LOADING & 1'-0" COVER + 35% IMPACT
   B. H20 LL + 0% IMPACT + 5'-0" MAXIMUM EARTH COVER.
4. DRILL BYPASS HOLES IN FIELD IF REQ'D.
5. PROVIDE K.O. PANELS AT PIPE PASSING THRU WALL. NO REINFORCEMENT SHALL BE PLACED IN K.O. PANEL. MAXIMUM SIZE OF K.O. PANEL TO BE PIPE I.D. + 6" EACH SIDE.
6. PROVIDE ADDITIONAL BARS OVER K.O AS SHOWN. SIZE AND NUMBER OF ADDN'L BARS TO BE SAME AS SIZE AND NUMBER OF "M" BARS DISCONTINUED DUE TO KNOCK OUT.
7. PROVIDE ADDITIONAL 2-#4 BAR VERTICAL EACH SIDE OF K.O. x 3'0" LONG IN TOP AND BOTTOM BARREL.
8. 1" MINIMUM THICK CEMENT MORTAR WEARING COURSE AT SUMP.
9. PROVIDE 2-#5 x 5'-0" LONG BELOW K.O.
10. SEE W/6.12 FOR VAULT SIZE REQUIRED AND METER INSTALLATION DETAILS.
11. ADDITIONAL BARS PROVIDED AROUND K.O. SHALL BE 1" CLEAR OF K.O.

"P"	"Q"	"R"	"L"	"M"	'N"	"O"
6"	6'-0"	6'-0"	#4@18"	#5@12"	#5@10"	#4@18"
6"	6'-0"	8'-0"	#4@18"	#5@8"	#5@10"	#4@18"
6"	6'-0"	10'-0"	#4@18"	#6@7"	#5@10"	#4@18"
6"	8'-0"	8'-0"	#4@18"	#6@9"	#5@10"	#4@18"
6"	8'-0"	10'-0"	#4@18"	#7@9"	#5@6"	#4@18"

CHARLES COUNTY GOVERNMENT
DEPARTMENT OF PLANNING & GROWTH MANAGEMENT

APPROVED: 6/29/95
DIRECTOR OF DEVELOPMENT SERVICES DATE

6/29/95
WATER / SEWER ENGINEER DATE

STANDARD DETAIL
PRECAST CONCRETE VAULTS FOR METERS AND VALVES.

REVISIONS:

W
4.03

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