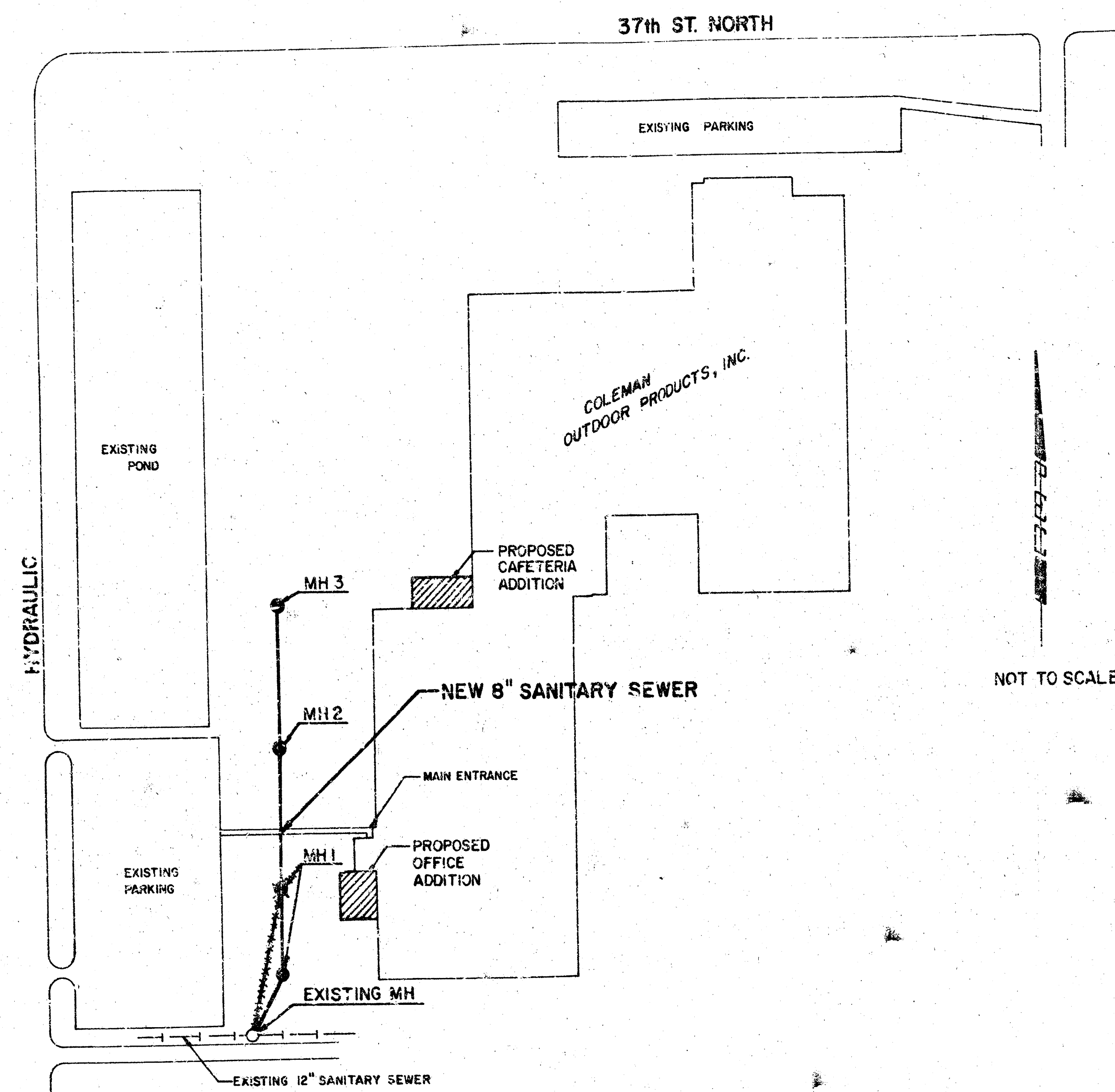




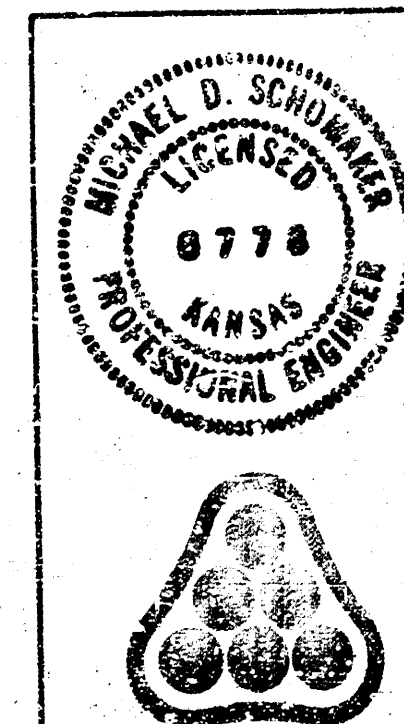
LOCATION MAP

- GENERAL NOTES
1. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
 2. ALL ELEVATIONS SHOWN ARE PROJECT DATUM. (TO CONVERT TO CITY OF WICHITA DATUM, ADD 44.35' TO ALL ELEVATIONS)
 3. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
 4. AT LEAST 48 HOURS PRIOR TO BEGINNING EXCAVATION, THE CONTRACTOR SHALL CONTACT MR. DARRELL NEUGEBAUER WITH THE COLEMAN COMPANY, AT (316) 832-6220 TO REQUEST ASSISTANCE IN LOCATING EXISTING BURIED UTILITIES.
 5. THE BURIED UTILITIES AS LOCATED ON THE PLANS ARE APPROXIMATE LOCATIONS ONLY. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY COLEMAN AT THE CONTRACTOR'S EXPENSE.
 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY DEPTHS OF EXISTING UTILITIES TO AVOID CONFLICTS WITH THE PROPOSED SANITARY SEWER.
 7. THE CONTRACTOR SHALL MAINTAIN HIS OPERATIONS TO PERMIT PEDESTRIAN TRAFFIC THROUGH AND ACROSS CONSTRUCTION AT THE EXISTING SIDEWALK AT ALL TIMES. THE CONTRACTOR SHALL ERECT WARNING SIGNS, AND BARRICADES TO ENSURE SAFETY. THE CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH TO REMAIN OPEN OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
 8. THE CONTRACTOR WILL NOT BE REQUIRED TO RESTORE GRASSED AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
 9. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
 10. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING SEWAGE FLOW IN THE EXISTING SANITARY SEWER DURING CONSTRUCTION AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ALSO KEEP ANY CONSTRUCTION DEBRIS FROM ENTERING THE EXISTING SANITARY SEWER. COSTS FOR MAINTAINING SEWAGE FLOW DURING CONSTRUCTION SHALL BE CONSIDERED SUBSIDIARY TO THE OTHER ITEMS OF WORK.
 11. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER AND SEWER LINES. AT JOINT WHERE SEWERS CROSS WATER LINES, THE SEWER SHALL BE CONSTRUCTED OF CAST IRON, PLASTIC PIPE WITH SOLVENT WELDED JOINTS, OR PIPE ENCASED IN REINFORCED CONCRETE FOR A DISTANCE OF 10 FEET IN EACH DIRECTION OF THE CROSSING UNLESS THE WATER LINE IS AT LEAST 2 FEET ABOVE THE SEWER. REINFORCED CONCRETE ENCASEMENT, IF REQUIRED, SHALL BE PAID FOR AT THE ADD-ALTERNATE PRICE BID PER L.F. FOR REINFORCED CONCRETE ENCASEMENT.
 12. EXCESS EXCAVATED MATERIAL AND OTHER DEBRIS SHALL BE WASTED ON SITES TO BE PROVIDED BY THE CONTRACTOR AS APPROVED BY COLEMAN AT NO ADDITIONAL COST TO THE OWNER.
ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
 13. THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION RECORDS OF THE HORIZONTAL AND VERTICAL LOCATIONS OF THE SANITARY SEWER SUCH THAT RECORD DRAWINGS CAN BE PREPARED UPON COMPLETION OF CONSTRUCTION.
 14. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" FIRE PROTECTION WATERLINE AT APPROXIMATE SANITARY SEWER STA. 0+35. THE CONTRACTOR SHALL ASCERTAIN THE HORIZONTAL AND VERTICAL LOCATION OF THE FIRE PROTECTION LINE AND REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS MAY BE MADE.
 15. THE CONSTRUCTION WILL ALSO BE REQUIRED TO EXCAVATE ALL OTHER UTILITY CROSSINGS SUFFICIENTLY AHEAD OF CONSTRUCTION SO THAT ANY NECESSARY PLAN MODIFICATIONS MAY BE MADE.
 16. ALL CONSTRUCTION OPERATIONS, INCLUDING SITE ACCESS AND MATERIAL STORAGE AREAS, SHALL BE SCHEDULED AND AUTHORIZED BY MR. DARRELL NEUGEBAUER AS LISTED BELOW:
MR. DARRELL NEUGEBAUER
COLEMAN OUTDOOR PRODUCTS, INC.
3800 N. HYDRAULIC
WICHITA, KS 67219
(316) 832-6220
 17. THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS TO FIRST COMPLETE THE SANITARY SEWER FROM STA. 0+00 TO STA. 1+93.4 INCLUDING MANHOLE 1. ALL BACKFILL INSPECTION AND TESTING SHALL BE APPROVED FOR THIS PORTION OF THE PROJECT PRIOR TO PROCEEDING. ANY ASPHALT PAVEMENT REMOVED WILL NOT BE REPLACED BY THIS CONTRACTOR.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers VKH 1/2/92
Storm Sewers _____
Driveway Approaches _____
Water Mains _____
Paving _____

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM CONTRACTED BY THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.



No.	Revision	By	Date
COLEMAN OUTDOOR PRODUCTS, INC.			
LOCATION MAP AND GENERAL NOTES			
PRIVATE SANITARY SEWER EXTENSION (342 PPS)			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	MDS, RFJ	Job No.	34-02170-1
Drawn by	STM	Date	June, 1992
		Sht.	1 of 4

RECORD DRAWING
9-2-92 DTB

Booked
M-91
8-5-02
RNL

CITY OF WICHITA



-
- MANHOLE FRAME AND COVER
AS SPECIFIED
- GROUT
- 4" OR 6" PRECAST CONCRETE
ADJUSTMENT COLLAR
4" Min. - 19" Max.
- 26"
- INSTALL 2 RINGS OF
BUTYL-RUBBER JOINT
SEALING COMPOUND
(SEE NOTE 6)
- CONCENTRIC CONE SECTION
3'-5" Min. - 4'-0" Max.

NOTE NO. 16 REVISED JAN. 1981
Revised 3-21-89
Revised 8-10-88
4 Revised: June 12, 1986

Sht. 3 of 4

MANHOLE FRAME AND COVER DETAIL

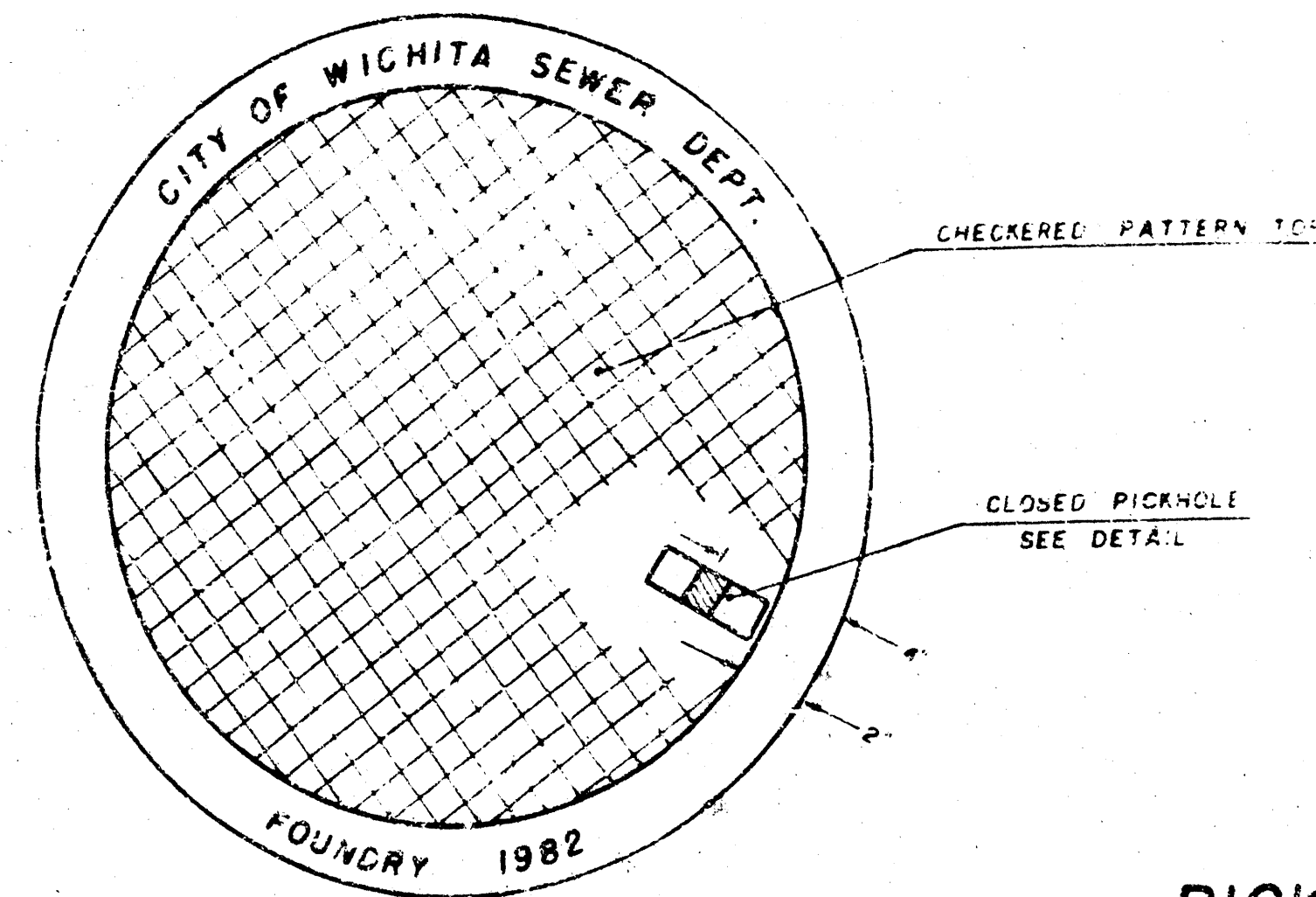
ADOPTED AS STANDARD DESIGN

BY

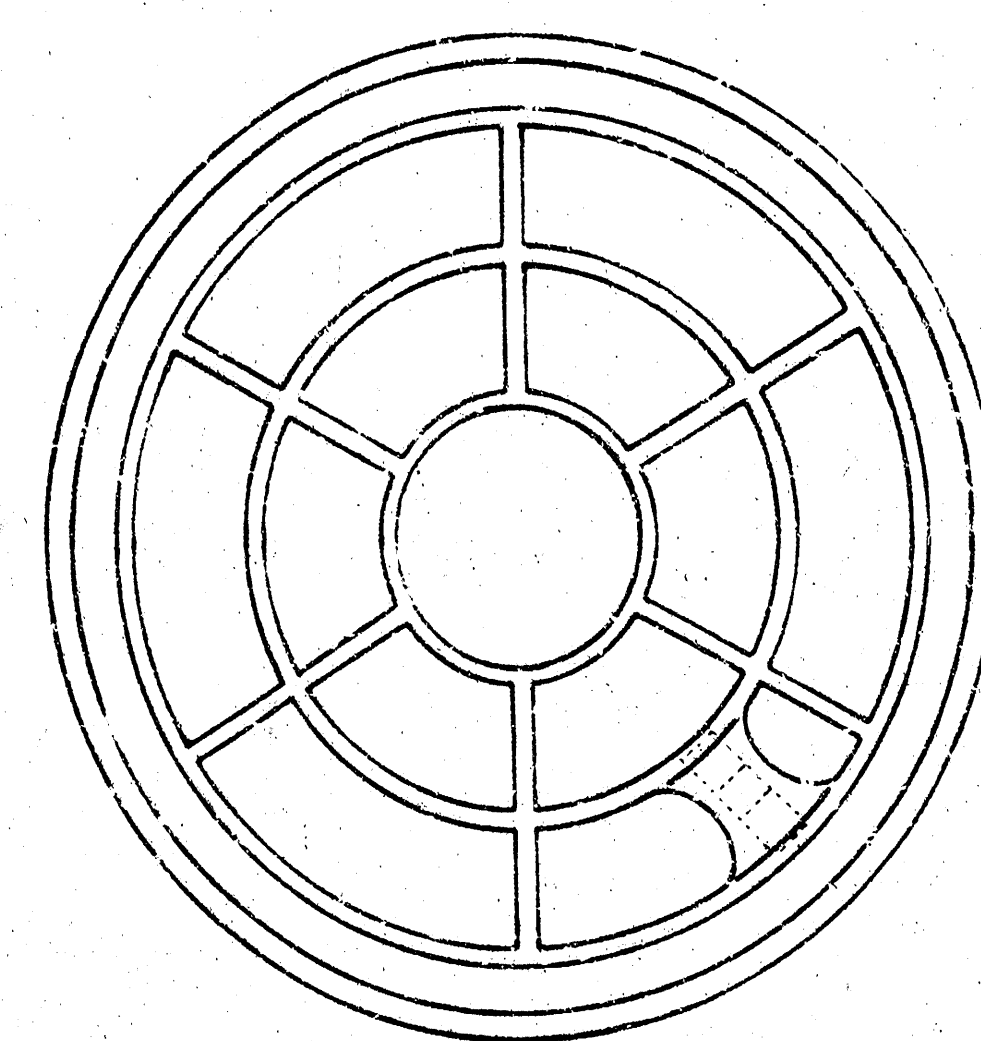
City of Wichita, Kansas

MANHOLE COVER

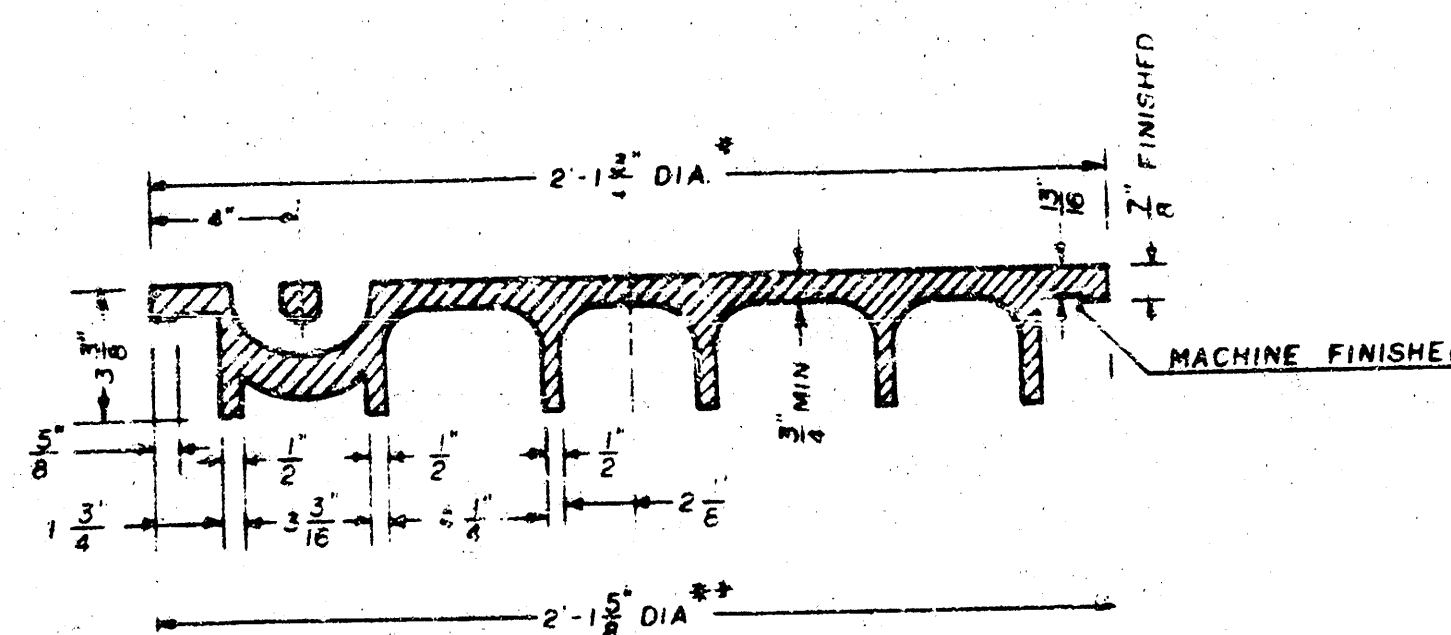
Weight: 180 Lbs.



TOP VIEW



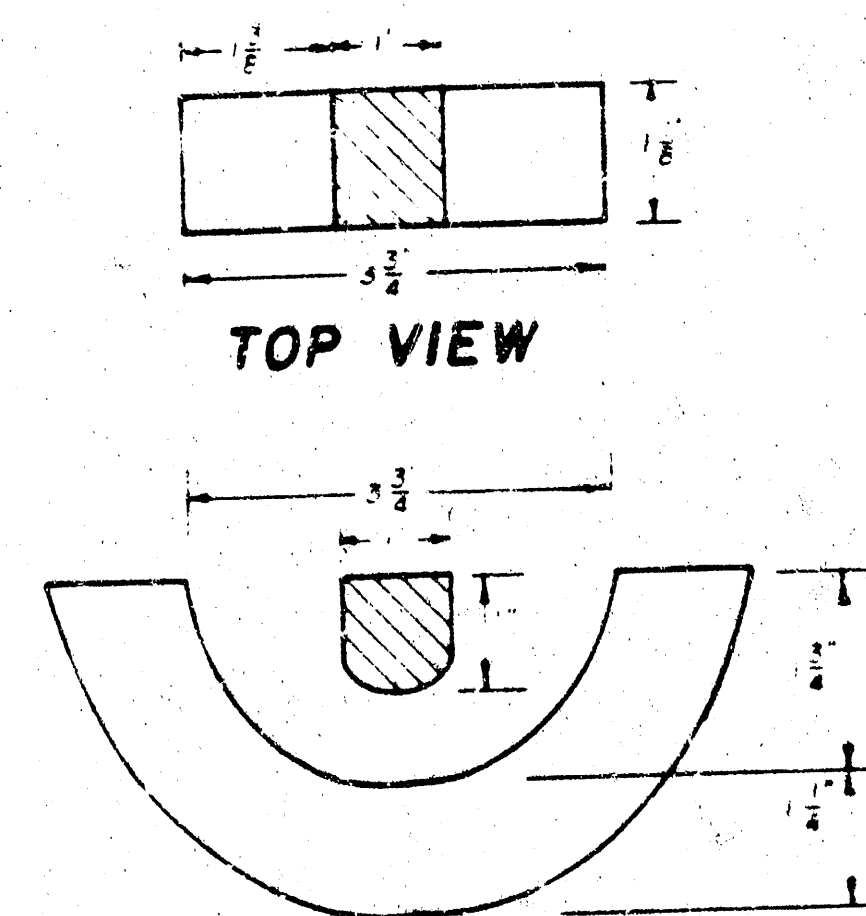
BOTTOM VIEW



SECTION VIEW

* OUTSIDE DIA. TOP OF COVER
** OUTSIDE DIA. BOTTOM OF COVER

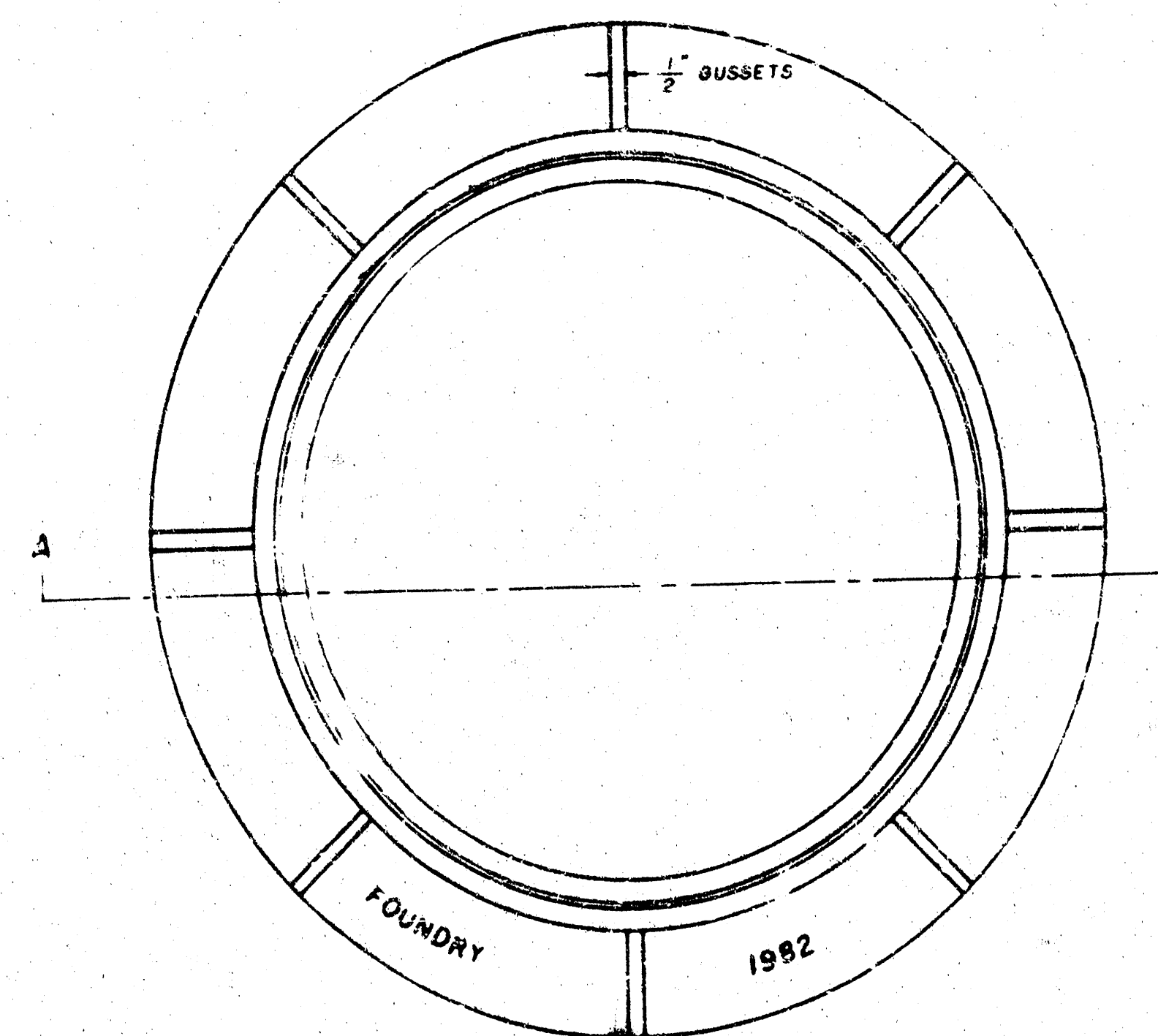
PICKHOLE DETAIL



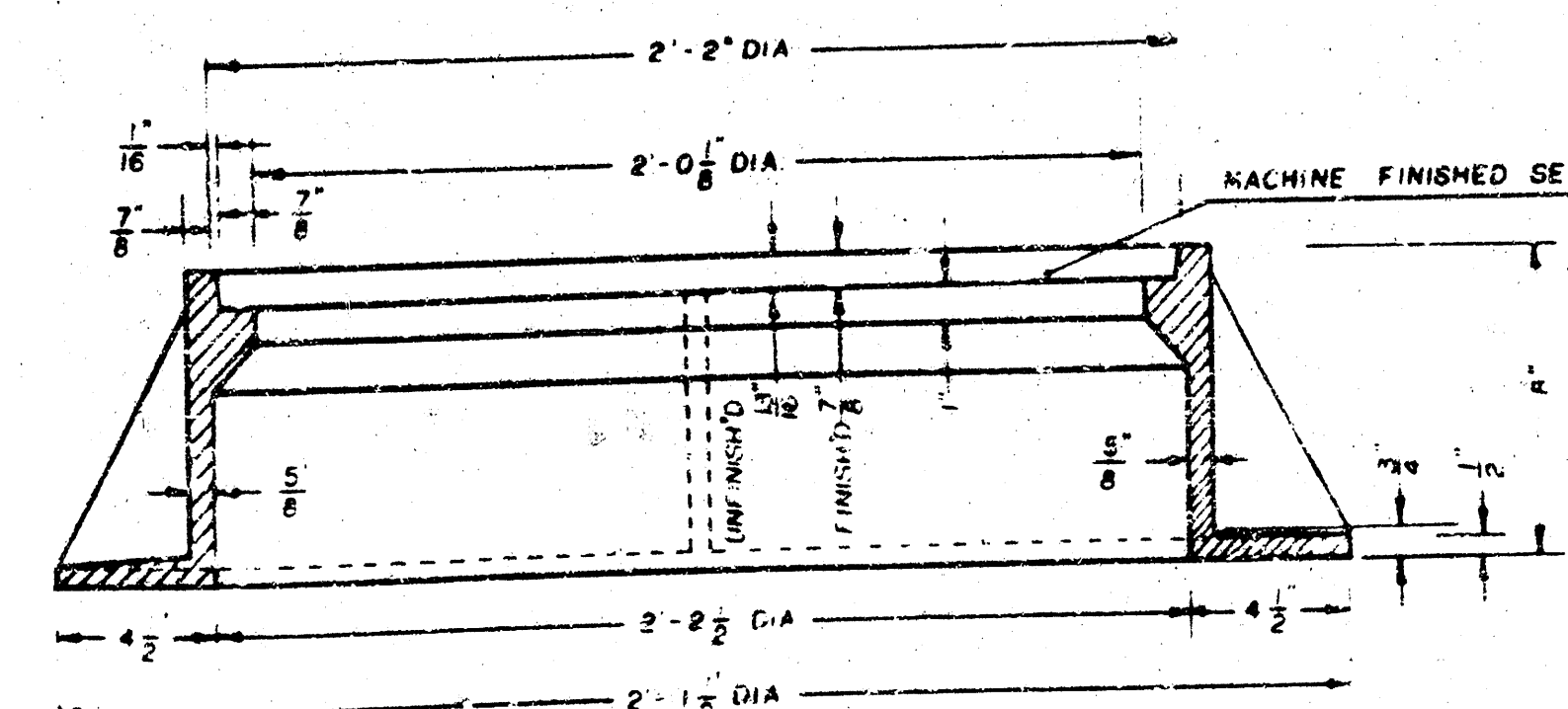
SECTION VIEW

MANHOLE FRAME

Weight: 240 Lbs.



TOP VIEW



SECTION A-A

GENERAL NOTES

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAIL DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.
3. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
4. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
5. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD "DEPARTMENT" MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

RECORD DRAWING
9-2-32