

**GENERAL NOTES**

CONCRETE SHALL BE CLASS A (AC). ALL EXPOSED EDGES SHALL BE FINISHED WITH AN APPROVED EDGING TOOL.

REINFORCING STEEL SHALL BE GRADE 60 A.S.T.M. A615. ALL DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING ARE TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

INLET 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 DETAILED 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 EFFECTS.

BRICK USED SHALL CONFORM TO THE REQUIREMENTS SPECIFIED FOR GRADE MS IN A.S.T.M. C32-73 OR GRADE SW IN A.S.T.M. C 62-69.

ALL BRICK SHALL BE LAID WITH SHOVE JOINTS. THE ENTIRE OUTSIDE SURFACE OF THE MANHOLE SHALL BE PLASTERED WITH A MINIMUM OF ONE INCH (1") OF THE CEMENT MORTAR. ALL CONTACT SURFACES BETWEEN BRICK MASONRY, FLAT CONCRETE SLABS, AND CAST IRON RINGS SHALL BE SEALED WITH A LAYER OF THE CEMENT MORTAR. BACKFILL SHALL NOT BE ACCOMPLISHED UNTIL THE MORTAR HAS CURED FOR TWENTY-FOUR (24) HOURS.

MORTAR SHALL CONTAIN EIGHT (8) SACKS OF PORTLAND CEMENT PER CUBIC YARD, FINE AGGREGATE, AND SUFFICIENT WATER TO PRODUCE A WORKABLE AND PLASTIC MIX OF SUCH CONSISTENCY AS TO PERFORM PROPERLY THE FUNCTION OF MASONRY CONSTRUCTION.

CEMENT USED FOR MORTAR SHALL BE TYPE I COMPLYING WITH THE REQUIREMENTS OF THE LATEST REVISION OF A.S.T.M. DESIGNATION C-150.

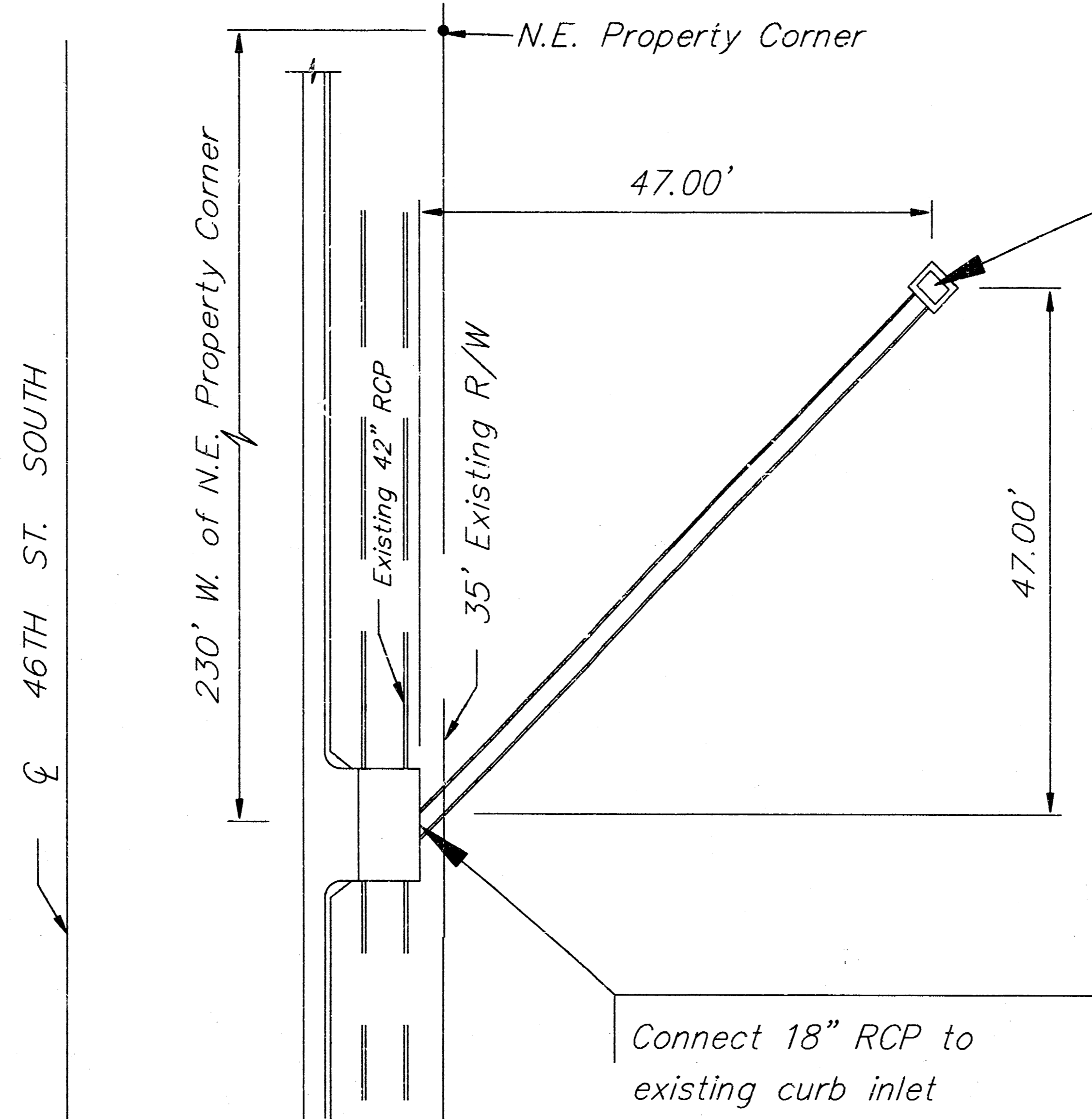
FIN. COB. RATE USED FOR MORTAR SHALL MEET THE REQUIREMENTS FOR TYPE III, DIVISION 1102, OF THE "STANDARD SPECIFICATIONS FOR STATE ROAD AND CONSTRUCTION," KANSAS DEPARTMENT OF TRANSPORTATION, 1980 EDITION.

WATER USED FOR MORTAR SHALL MEET THE REQUIREMENTS OF DIVISION 2401, OF THE MENTIONED STANDARD SPECIFICATIONS.

INLET FLOOR SHALL BE SHAPED WITH REINFORCED CLASS A CONCRETE TO CREATE FLOOR CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

Contractor shall conform to City of Wichita Standard Specifications

B.M. - Top of existing curb inlet  
Elev. = 185.52



CONSTRUCT 2'x2' Drop Inlet  
Install 18" x 68' RCP

Address: 4710 S. Emporia St.

Legal Description:

Lot 1, Block 3

South Broadway Industrial Park

Wichita, Sedgwick County, Kansas

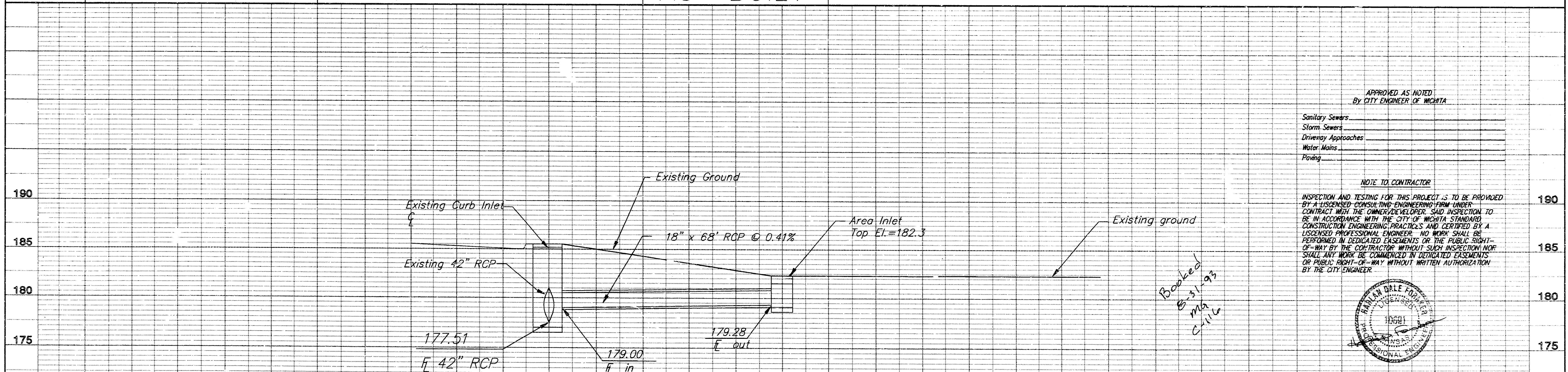
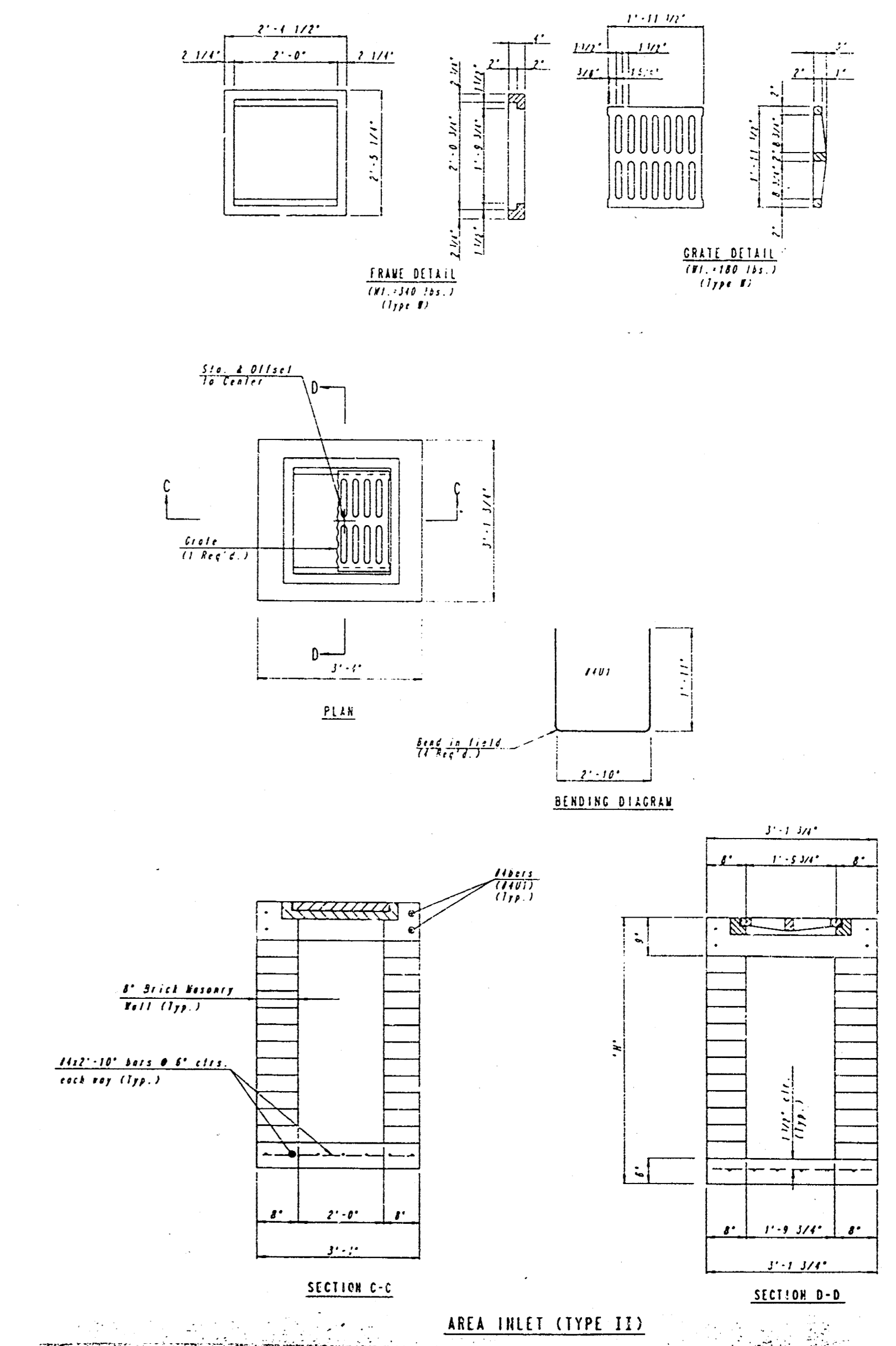
Tax Key No.: B-13748

**Drainage Data**

$T_c = 15 \text{ min.}$   
 $i_{100} = 8.98''/\text{hr.}$   
 $C_{100} = 0.55$   
 $\text{Area} = 1.40 \text{ ac.}$   
 $Q_{100} = 6.3 \text{ cfs}$

Connect 18" RCP to existing curb inlet

AS BUILT

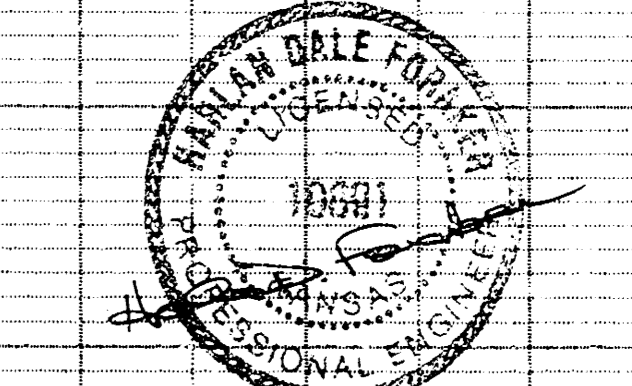


APPROVED AS NOTED  
By CITY ENGINEER OF WICHITA

Sanitary Sewers  
Storm Sewers  
Utility Approaches  
Water Mains  
Paving

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH 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 AND SCALE ANY WORK BE COMPLETED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.



**STORM SEWER PLAN**  
 A NEW BUILDING FOR MR. JOHN MCQUILLAN

**CERTIFIED ENGINEERING DESIGN**  
 CIVIL ENGINEERING SERVICES  
 (316)262-8808 • 1330 E. FIRST, # 113, WICHITA, KS 67214

PROJECT NUMBER: City of Wichita Priv. Proj. No. 400PPS(607861)

DESIGN: HDF DRAWN: HDF APPROVED: HDF DATE: JUNE 93 SCALE: NOTED

SHEET 1 OF 1