STORM WATER SEWER NO. 126
IN
THE MOORINGS ADDITION

PROJECT NO.
468-76-245-80449-000-000-001

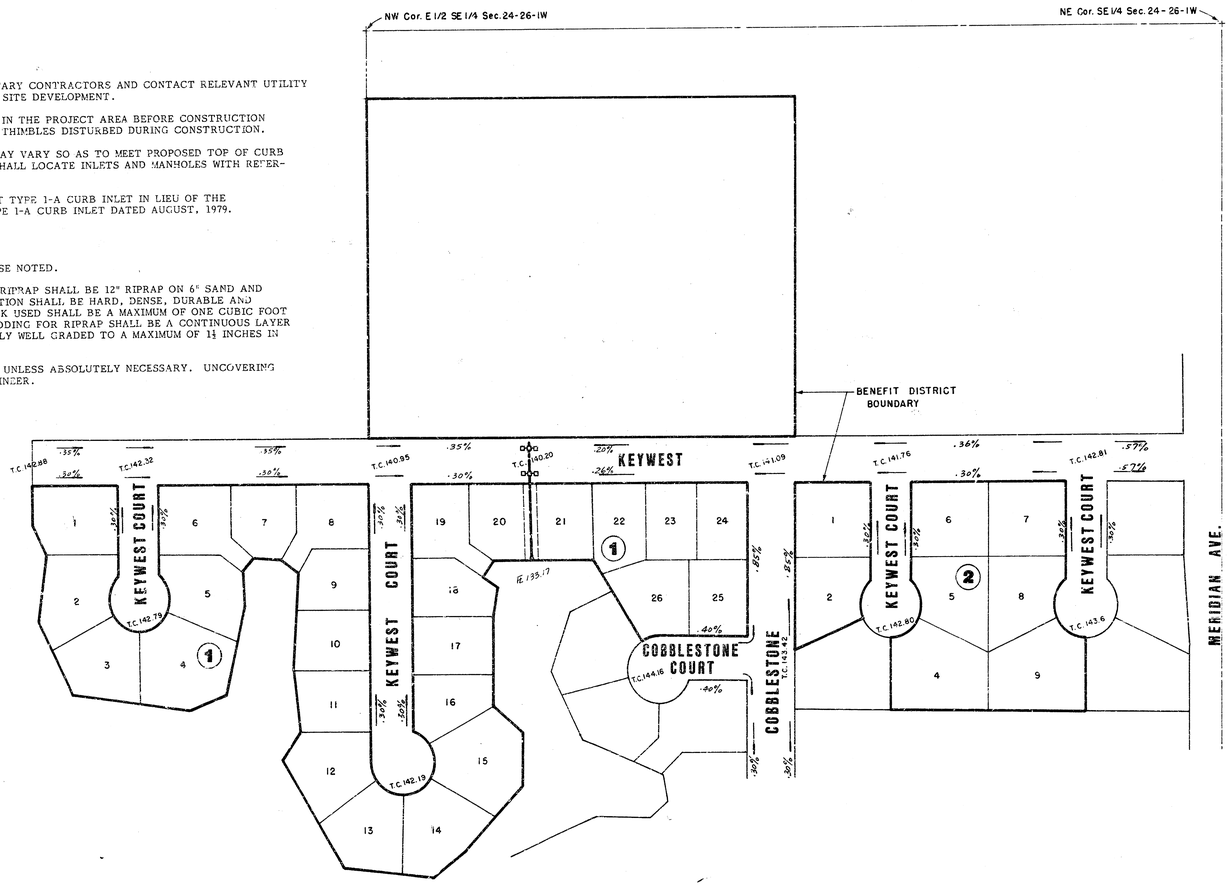
CITY OF WICHITA, KANSAS

DEAN SELLERS

ACTING CITY ENGINEER

GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
2. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.
3. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
4. CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1-A CURB INLET IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1-A CURB INLET DATED AUGUST, 1979.
5. ALL CONCRETE SHALL BE "6-SACK" CONCRETE" UNLESS OTHERWISE NOTED.
6. THE RIPRAP FOR THIS PROJECT SHALL BE TYPE 3. THE TYPE 3 RIPRAP SHALL BE 12" RIPRAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIPRAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OR ROCK USED SHALL BE A MAXIMUM OF ONE CUBIC FOOT AND A MINIMUM OF ½ INCH. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIPRAP SHALL BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF ½ INCHES IN SIZE.
7. CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATER LINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPT. ENGINEER.



NORTH

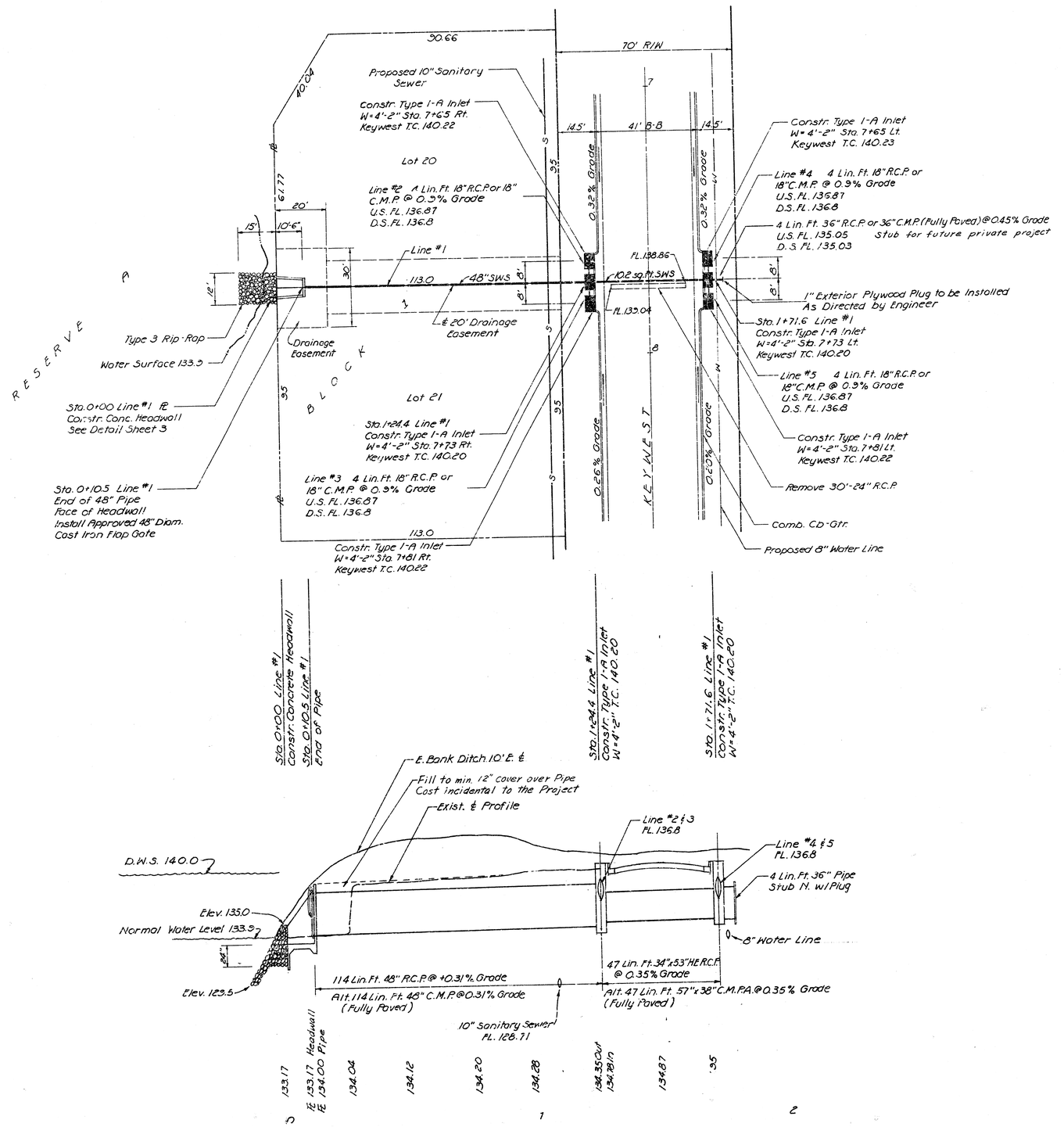
SCALE: 1" = 100'

TABLE OF CONTENTS

Sheet 1	TITLE SHEET
Sheet 2	LINES 1 to 5
Sheet 3	CONCRETE HEADWALL
Sheet 4	TYPE 1-A CURB INLET

REISS & GOODNESS ENGINEERS
2160 WEST 21ST STREET
WICHITA, KANSAS 67204
(316) 832-0213

STORM WATER SEWER
The Moorings
PROJ. NO. 468-76-245-80449-001 000-001



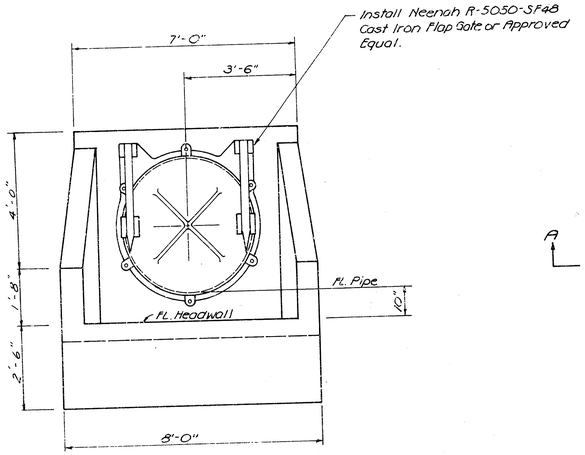
B.M. 141.07 "□" in South Headwall, Culvert at 45th. Street North and Meridian.

NORTH

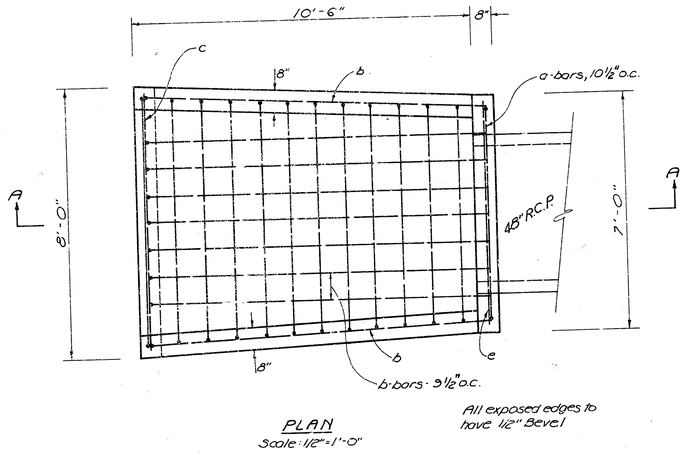
SCALE
Plan 1"=20'
Profile: Horiz. 1"=20'
: Vert. 1"=5'

CONCRETE HEADWALL DETAIL
The Moorings

PROJECT NO. 466-76-245-80449-090-000-001

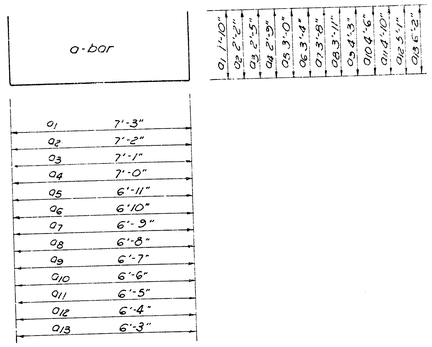


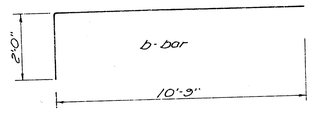
Flap Gate Detail
Scale: 1/2" = 1'-0"

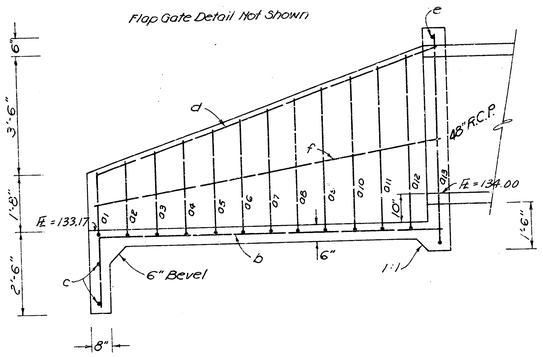


PLAN
Scale: 1/2" = 1'-0"

All exposed edges to have 1/2" Bevel







Section A-A
Scale: 1/2" = 1'-0"

Table of Quantities				
Bars	Number	Length	Shape	Weight
a_1	1	10'-11"		7.31
a_2	1	11'-6"		7.71
a_3	1	11'-11"		7.98
a_4	1	12'-6"		8.38
a_5	1	12'-11"		8.65
a_6	1	13'-6"		9.05
a_7	1	14'-1"		9.44
a_8	1	14'-6"		9.72
a_9	1	15'-1"		10.11
a_{10}	1	15'-6"		10.39
a_{11}	1	16'-1"		10.78
a_{12}	1	16'-6"		11.06
a_{13}	1	18'-7"		12.45
b	9	12'-9"		76.88
c	2	7'-6"		10.05
d	2	11'-1"		14.85
e	1	6'-8"		4.47
f	2	11'-0"		14.74
Total Reinforcement				244.02 lbs.
Concrete				4.44 C.Y.

All Rebar is #4

HEADWALL DETAIL for 48" PIPE