PHASE 2
PARKING LOT IMPROVEMENTS FOR

CENTURY II EXHIBITION CENTER

PROJECT NUMBER

472-76-245-81501-000-000-001

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4. Incidental Drainage
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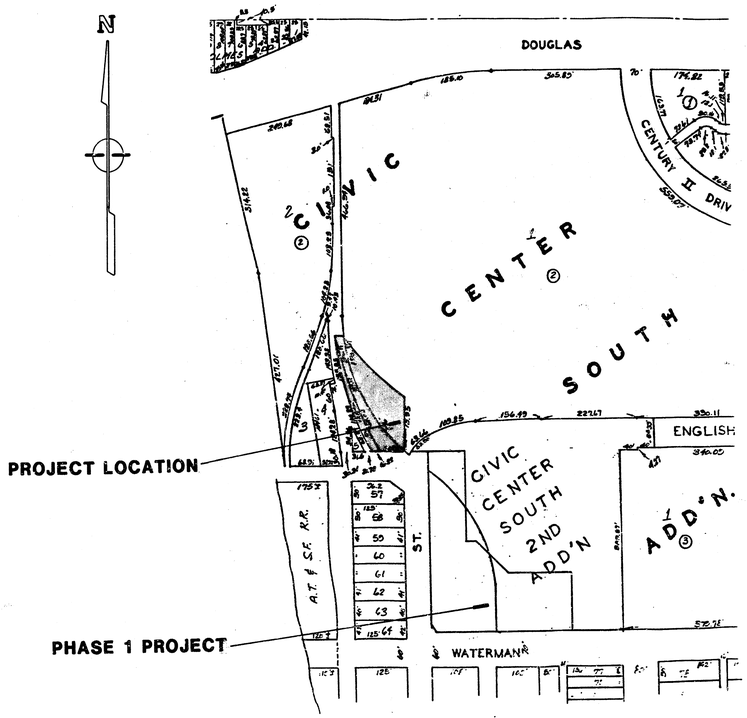

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK CITY ENGINEER

THOMAS CHARLES RUBBLES LICENSED 9621 KANSAS PROFESSIONAL ENGINEER

1/7

BAUGHMAN COMPANY, P.A.
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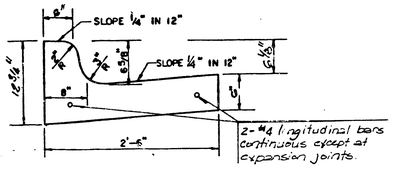
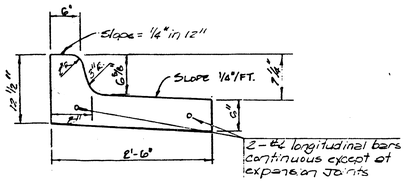
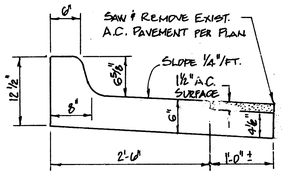
ENGINEER TCR
SURVEY ND/BG (BA 23)
CHECKED LCR DATE 4-15-86



HIGH-EDGE CURB DETAIL

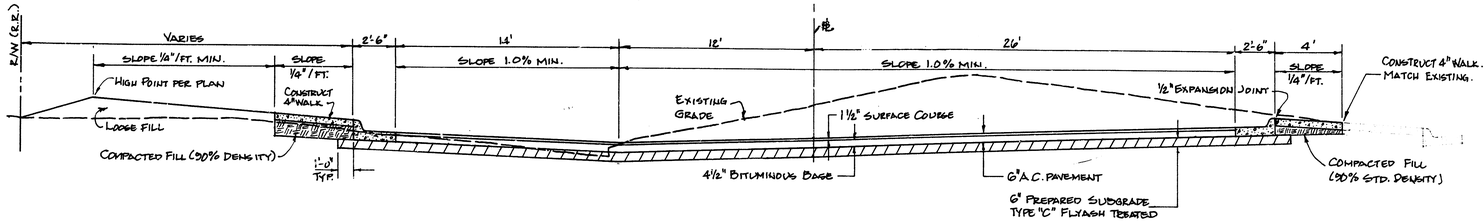


LOW-EDGE CURB DETAIL

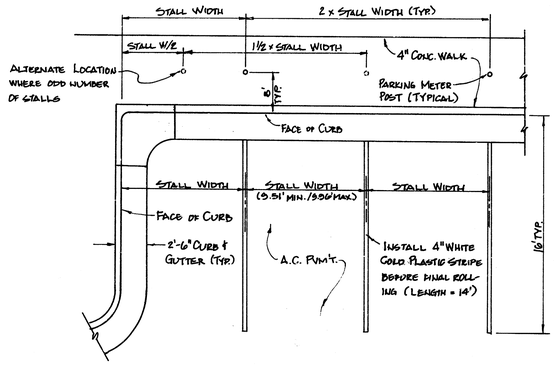


SPECIAL CURB DETAIL

NOTE: HIGH-EDGE, LOW-EDGE, AND TRANSITION COMBINED CURB & GUTTER IS TO BE PAID AS BID FOR L.F. COMBINED CURB & GUTTER (6"/6").

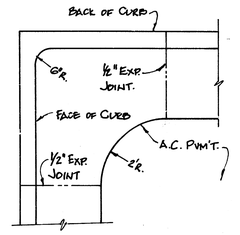


TYPICAL SECTION
STA. 1+00

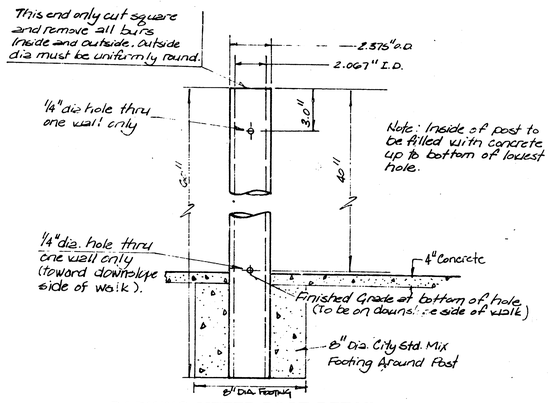


STRIPING AND PARKING METER POST PLAN

NOTE: PARKING METERS AND POSTS TO BE FURNISHED AND INSTALLED BY "OTHERS".

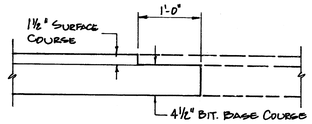


CURB AND GUTTER CORNER DETAIL



PARKING METER POST DETAIL

NOTE: PARKING METER POSTS TO BE FURNISHED & INSTALLED BY "OTHERS".



TRANSVERSE JOINT DETAIL

NOTE: A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL. JOINTS IN ASPHALTIC LIFTS SHALL BE STAGGERED A DISTANCE OF 1'-0" FROM JOINTS IN PRECEDING LIFTS.

NOTE: TRAFFIC ENGINEERING DIVISION OF THE DEPARTMENT OF OPERATIONS & MAINTENANCE WILL FURNISH AND INSTALL PARKING METER POSTS AND PARKING METERS. CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH SAID DIVISION SUCH THAT INSTALLATION OF POSTS WILL BE COMPLETED PRIOR TO CONSTRUCTION OF SIDEWALK.

NO SCALE

PARKING LOT DETAILS
CENTURY II EXHIBITION CENTER
PHASE 2
CITY OF WICHITA, KS

472-76-245-81501-000-000-001

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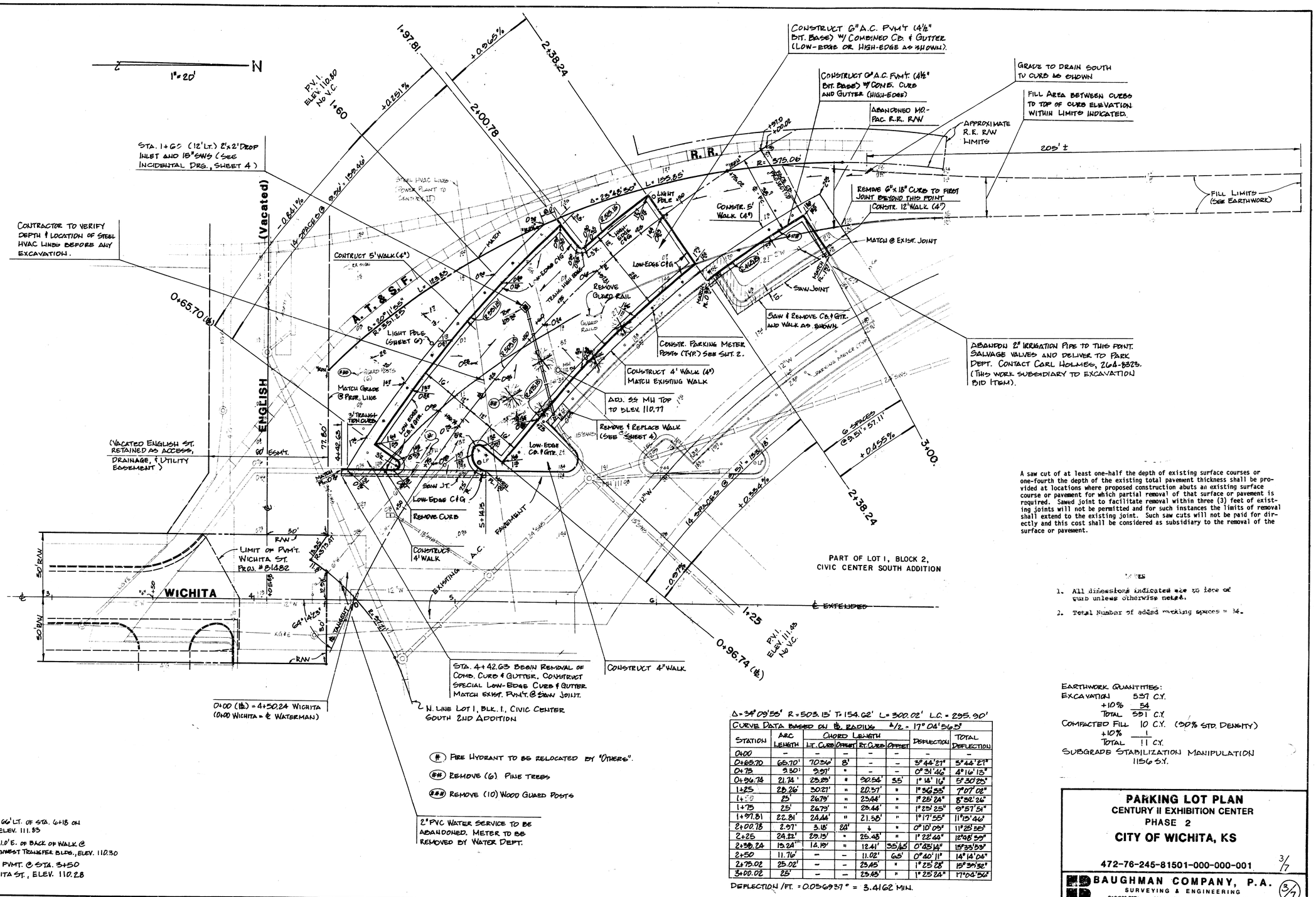

(#) FIRE HYDRANT TO BE RELOCATED BY "OTHERS".

(##) REMOVE (6) PINE TREES

(###) REMOVE (10) WOOD GUARD POSTS

"D" ON CURB, 66' LT. OF STA. 6+18 ON ℄ WICHITA, ELEV. 111.83

"A" IN WALK, 1.0' E. OF BACK OF WALK @ NE. COR. SOUTHWEST TRANSFER BLDG., ELEV. 110.30

"L" IN CONC. PVMT. @ STA. 3+50 ON ℄ WICHITA ST., ELEV. 110.28

A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.

NOTES

1. All dimensions indicated are to face of curb unless otherwise noted.
2. Total Number of added parking spaces = 34.

Δ = 34°09'55" R = 503.15' T = 154.62' L = 300.02' L.C. = 295.90'

CURVE DATA BASED ON ℄ RADIUS Δ/2 = 17°04'56.5"

STATION	ARC LENGTH	CHORD LENGTH LT. CURB	OFFSET	RT. CURB	OFFSET	DEFLECTION	TOTAL DEFLECTION
0+00	–	–	–	–	–	–	–
0+63.70	66.70'	70.36'	8'	–	–	3°44'27"	3°44'27"
0+73	9.30'	9.97'	"	–	–	0°31'46"	4°16'13"
0+96.74	21.74'	23.25'	"	20.54'	35'	1°14'16"	5°30'29"
1+25	28.26'	30.21'	"	20.37'	"	1°36'35"	7°07'08"
1+50	25'	26.79'	"	23.44'	"	1°25'24"	8°32'26"
1+75	25'	26.79'	"	23.44'	"	1°25'25"	9°57'51"
1+97.81	22.81'	24.44'	"	21.35'	"	1°17'55"	11°15'46"
2+00.78	2.97'	3.18'	28'	↓	"	0°10'09"	11°25'55"
2+25	24.22'	29.15'	"	25.48'	"	1°22'44"	12°48'39"
2+38.24	13.24'	14.19'	"	12.41'	35'/65'	0°45'14"	13°33'53"
2+50	11.76'	–	–	11.02'	65'	0°40'11"	14°14'04"
2+75.02	25.02'	–	–	23.45'	"	1°25'28"	15°39'32"
3+00.02	25'	–	–	23.45'	"	1°25'24"	17°04'56"

DEFLECTION/FT. = 0.056937° = 3.4162 MIN.

EARTHWORK QUANTITIES:

EXCAVATION	537 C.Y.
+10%	54
TOTAL	591 C.Y.
COMPACTED FILL	10 C.Y. (90% STD. DENSITY)
+10%	1
TOTAL	11 C.Y.

SUBGRADE STABILIZATION MANIPULATION 1156 S.Y.

PARKING LOT PLAN
CENTURY II EXHIBITION CENTER
PHASE 2
CITY OF WICHITA, KS

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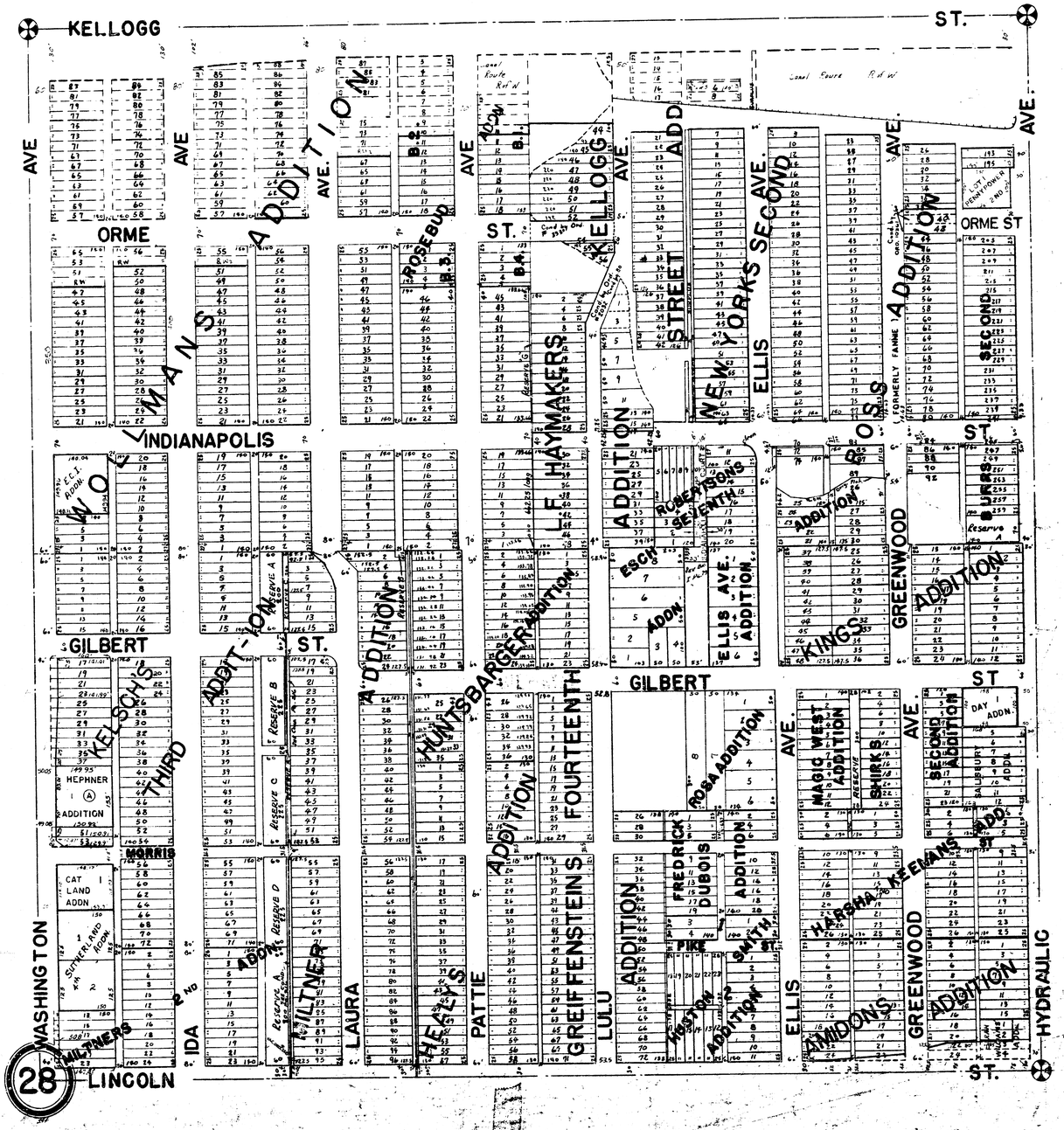
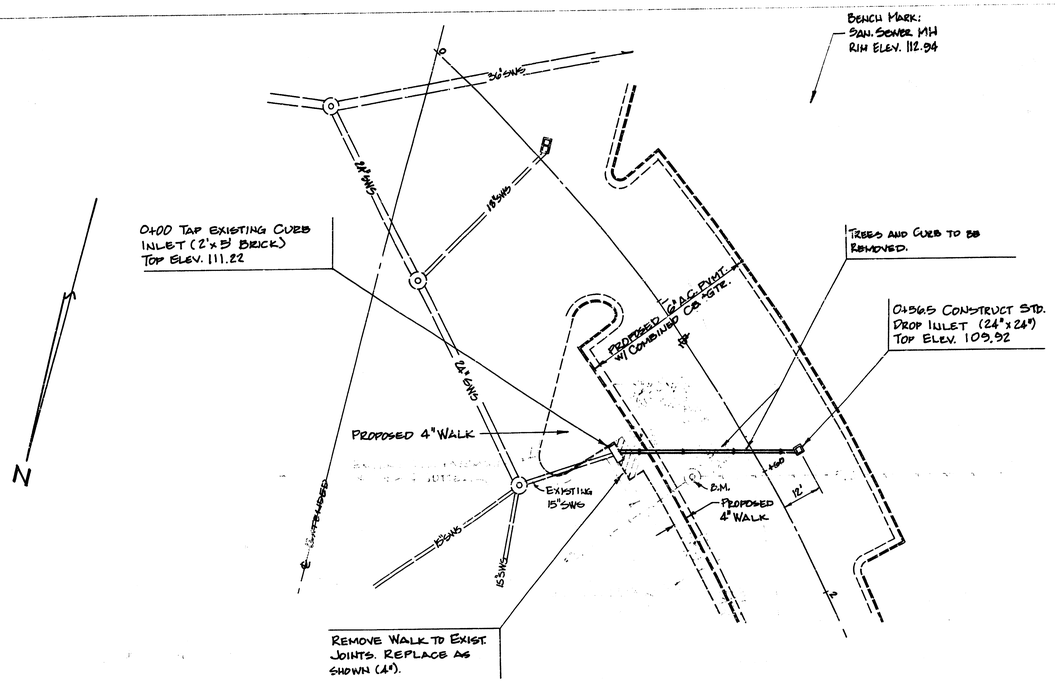
9-57

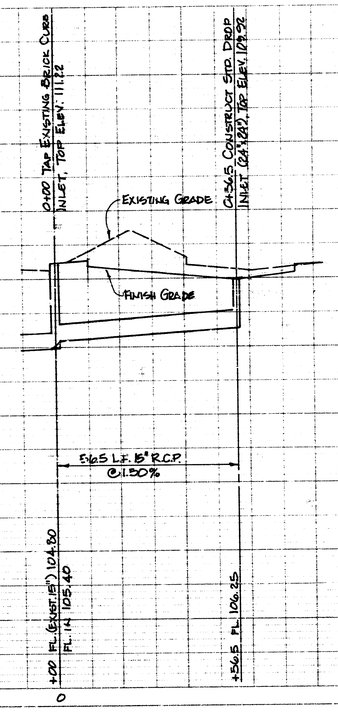
NE ¼ OF SEC 28 TWP 27 S R 1E.

9-57





SCALE
PLAN 1" = 20'
PROFILE 1" = 20' HORZ.
1" = 5' VERT.



110
105
100

INCIDENTAL DRAINAGE
CENTURY II EXHIBITION CENTER
PHASE 2
CITY OF WICHITA, KS

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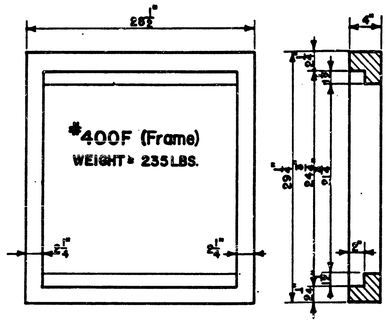
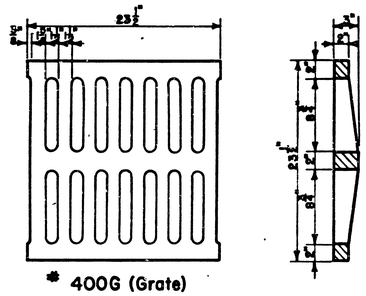
PLAN
NOTE BOOK
SURVEYED
PLOTTED
GRADES CHECKED
& ALL NOTED
STRUCTURE NOTATIONS CHECKED

PROFILE
NOTE BOOK
No. 8423
SURVEYED NP
PLOTTED TCR
GRADES CHECKED
& ALL NOTED
STRUCTURE NOTATIONS CHECKED

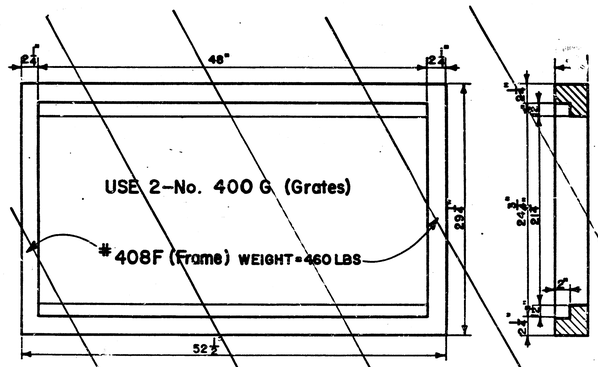
HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE
PRINTED IN U.S.A.



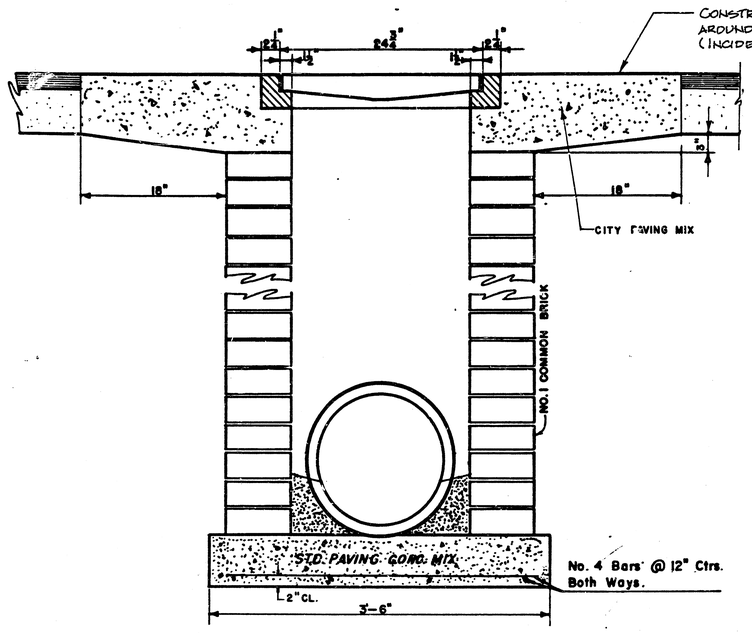


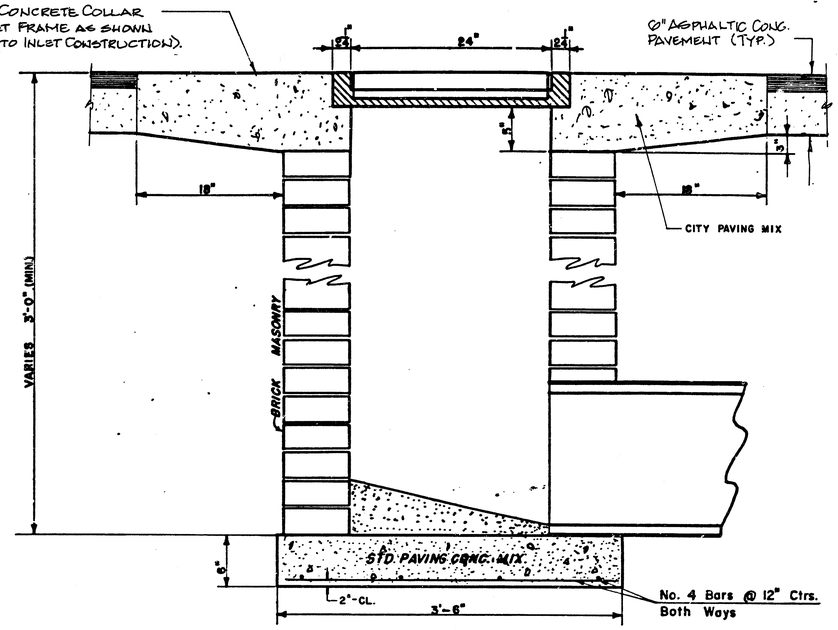
24"x24" Frame & Grate Detail

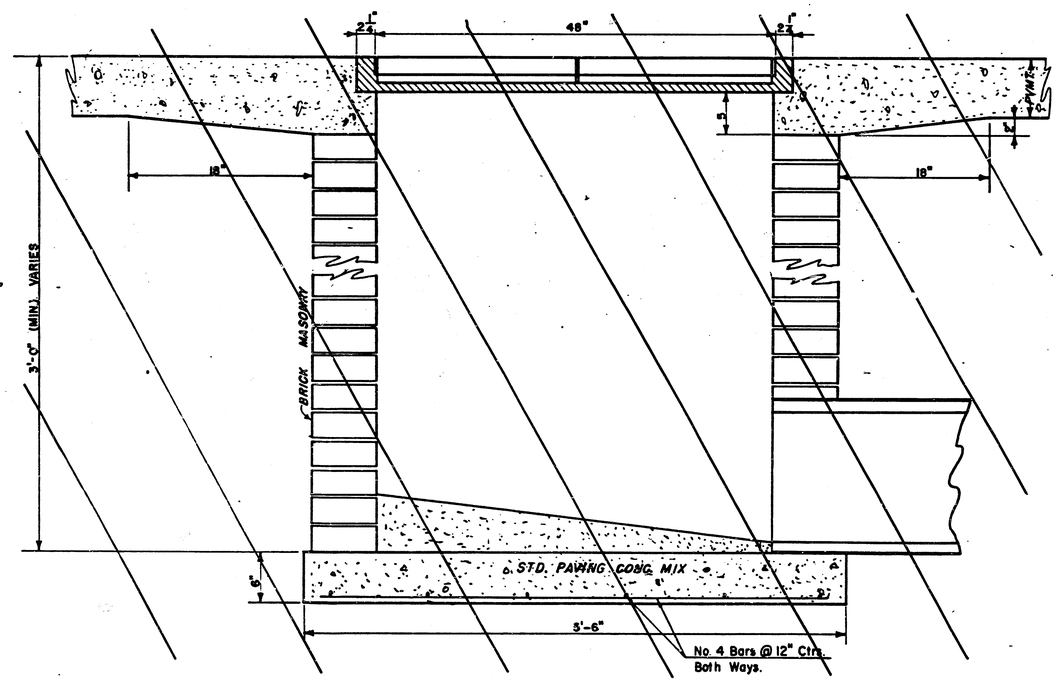
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be used only if approved by the engineer.



Double 24"x24" Frame Detail







DROP INLET DETAILS

M.E. Lindebak, City Engineer

City of Wichita, Kansas

Project

Project No. 472-76-285-81501-000-000-001

Date:

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

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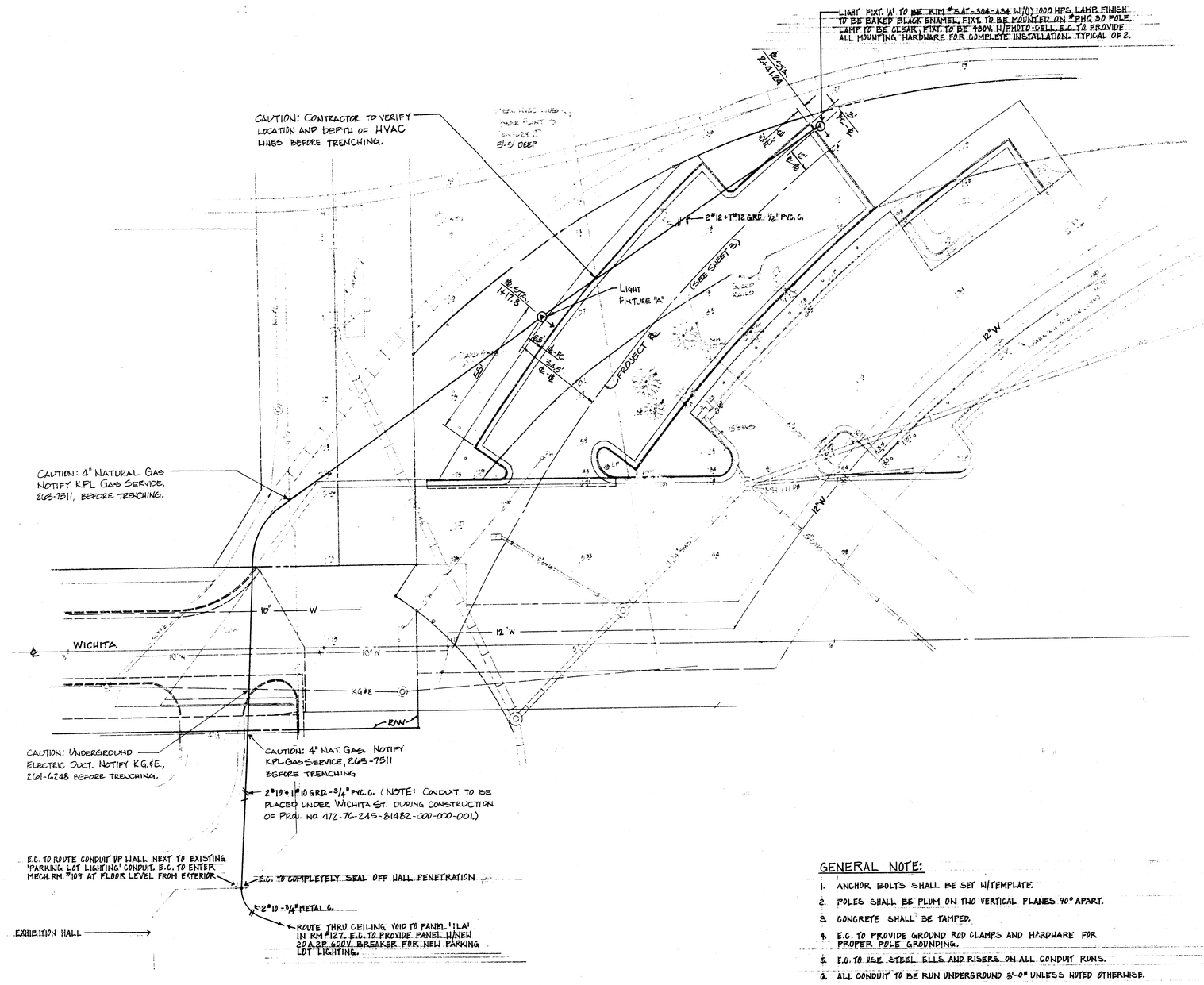
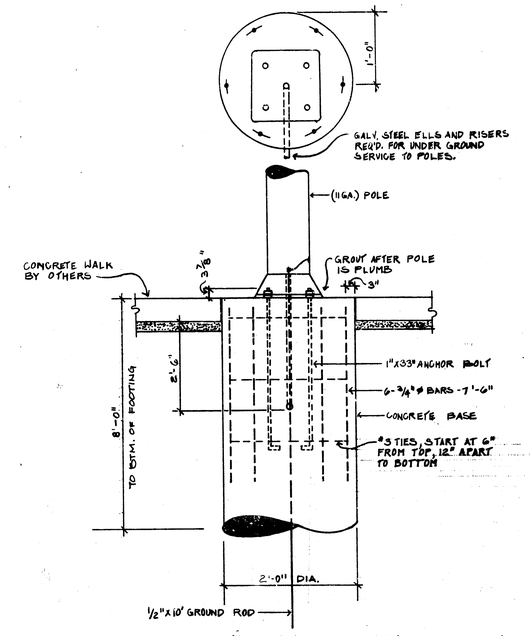


ELECTRICAL PLAN

SCALE: 1" = 20'-0"

1" = 20' N



NOTE: E.C. TO VERIFY ALL MOUNTING REQUIREMENTS W/ POLE MANUFACTURER.

POLE MOUNTING DETAIL

N.S.

GENERAL NOTE:

1. ANCHOR BOLTS SHALL BE SET W/TEMPLATE.
2. POLES SHALL BE PLUM ON TWO VERTICAL PLANES 90° APART.
3. CONCRETE SHALL BE TAMPED.
4. E.C. TO PROVIDE GROUND ROD CLAMPS AND HARDWARE FOR PROPER POLE GROUNDING.
5. E.C. TO USE STEEL ELLS AND RISERS ON ALL CONDUIT RUNS.
6. ALL CONDUIT TO BE RUN UNDERGROUND 3'-0" UNLESS NOTED OTHERWISE.
7. CONCRETE: REFERENCE STANDARD CITY CONCRETE SPEC.
8. ALL EXPOSED CONDUIT TO BE PAINTED TO MATCH SURROUNDINGS.
9. E.C. TO VERIFY ALL EXIST. CONDITIONS & REQUIREMENTS AT SITE PRIOR TO BID.

PARKING LOT LIGHTING
CENTURY II EXHIBITION CENTER
PHASE 2
CITY OF WICHITA, KS

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CENTURY II EXHIBITION CENTER
PHASE 2

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