PAVING PLANS FOR

STATE OFFICE BUILDING PARKING GARAGE ALLEY

IMPROVEMENTS

PROJECT NO. 472-82405

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
INDEX NO.
762260

ALTERNATE# 2

As Built

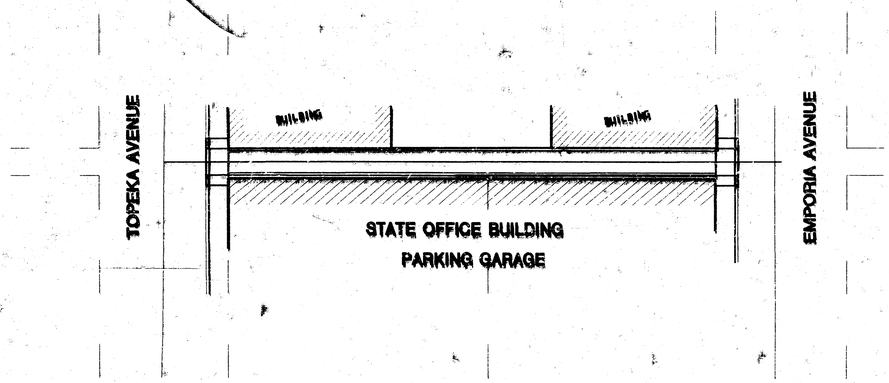
N

SCALE: 1:=40'

BM-2

DOUGLAS AVENUE

BM-3



WILLIAM STREET

BM-1

INDEX TO DRAWINGS

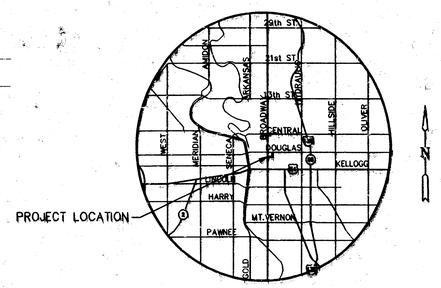
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND JOINT DETAIL TYPICAL SECTION, PAVING & INTERSECTION DETAILS
3	ALLEY PAVING PLAN
4	TRAFFIC CONTROL PLAN
5	CROSS-SECTIONS

BENCHMARKS

BM #1 "□" CUT ON N.E. COR. LIGHT POLE BASE, SOUTH SIDE WILLIAM ST., APPROX. 6' EAST OF CL ALLEY TO NORTH. ELEV: 108.99

BM #2 "□" CUT ON TOP OF CURB ON EAST SIDE OF ISLAND, NEAR CL OF DOUGLAS, ON THE EAST SIDE OF ST. FRANCIS. ELEV: 111.53

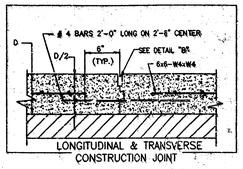
BM #3 "□" CUT ON TOP OF CURB ON E. END OF MEDIAN, CL DOUGLAS AND WEST SIDE OF BROADWAY. ELEV: 111.53



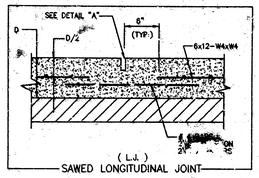
CITY OF WICHITA

CHRIS J. BREITENSTEIN LICENSED PROFESSIONAL ENGINEER

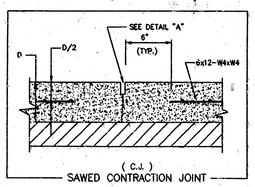
STATE OFFICE BUILDING PARKING GARAGE ALLEY	Design PAF
	Drawn by PAF
PAVING PLANS	Checked by
	Date
	Job no. 93085
MID-KANSAS ENGINEERING CONSULTANTS, INC. 3500 N. ROCK ROAD #800 WICHITA, KANSAS 67226 PH. 636-5566	Sheet 1 of 5



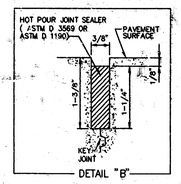
LONGITUDINAL & TRANSVERSE CONSTRUCTION JOINT



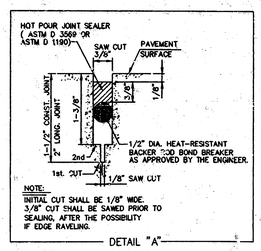
(L.J.) SAWED LONGITUDINAL JOINT



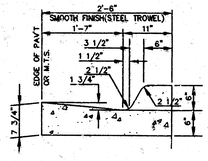
(C.J.) SAWED CONTRACTION JOINT



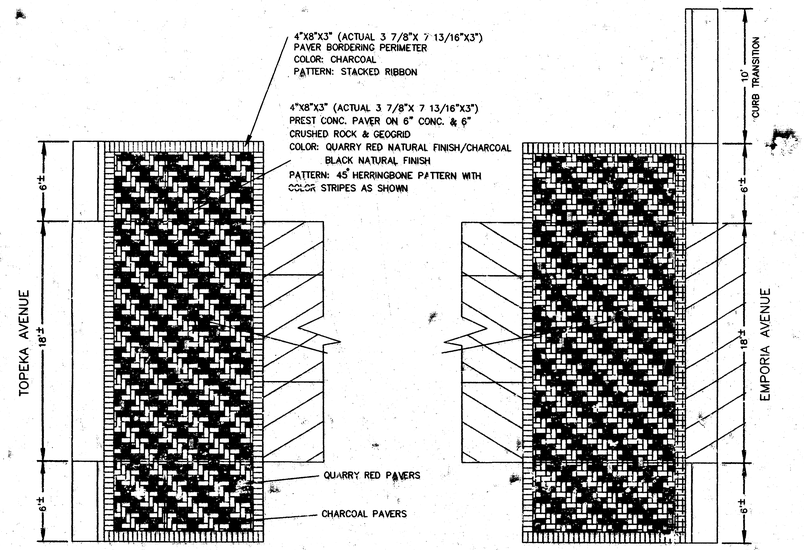
DETAIL "B"



DETAIL "A"



COMBINED CURB & GUTTER-TYPE 1
(2'-6" WIDE)



UNIT PAVERS SHALL BE:
HANOVER PREST PAVERS,
AS MANUFACTURED BY HANOVER ARCHITECTURAL PRODUCTS INC.
HANOVER PA. (OR APPROVED EQUAL)

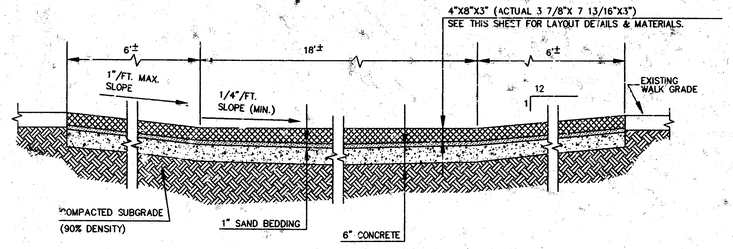
RAMP & DRIVE DETAIL
SCALE 1" = 5'



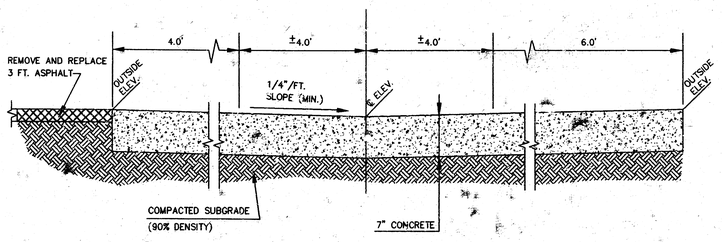
PAVING DETAIL FOR ALLEY @ WEST INTERSECTION WITH TOPEKA AVENUE



PAVING DETAIL FOR ALLEY @ EAST INTERSECTION WITH EMPORIA AVENUE



SECTION "A – A"



TYPICAL ALLEY SECTION

GENERAL NOTES

1. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
   KANSAS ONE-CALL 1-800-344-7233
   OR 687-2470 (LOCAL WICHITA)
   THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2115
CABLEVISION	262-4270 OR 263-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER & SEWER	263-4908
ARKLA	942-8350
WESTERN UNION-ACCESS TRANSMISSION SERVICE (BARRY BILLINGTON)	214-918-6797
CITY OF WICHITA TRAFFIC MAINTENANCE (BILL LOVELAND)	268-4033

2. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/ OR TENANTS OF DEVELOPED PROPERTY ABUTTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
3. UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND ETCETERA ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS OR CONTRACT DOCUMENTS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
4. ALL ADJACENT BUILDINGS, STRUCTURES, PARKING LOTS, DRIVES, STREET PAVEMENTS, UTILITY LINES, UTILITY STRUCTURES AND APPURTENANCES OTHER THAN SHOWN FOR REPLACEMENT SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION OF THE PROJECT. DAMAGED ITEMS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SHEETING AND SHORING MAY BE REQUIRED TO PROTECT THE ITEMS MENTIONED ABOVE.
5. A FULL DEPTH SAW CUT 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 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. THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
6. RUBBLE FROM THE REMOVAL OF PAVEMENT, MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. 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 WOULD REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
7. THE CITY OF WICHITA'S SEWER MAINTENANCE DIVISION OF THE DEPARTMENT OF WATER AND WATER POLLUTION CONTROL HAS TELEVISED SEWERS WITHIN THE LIMITS OF THE PROJECT. THE DIVISION SHALL BE NOTIFIED AND AFFORDED THE OPPORTUNITY TO RE-TELEVISE SEWER LINES AFTER SUBGRADE WORK HAS BEEN COMPLETED AND PRIOR TO PAVEMENT CONSTRUCTION TO DETERMINE IF SUCH SEWER LINES HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS. DAMAGED SEWER LINES WILL BE REPAIRED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE. TELEVISION LOGS ARE AVAILABLE FOR INSPECTION, BY THE CONTRACTOR DURING NORMAL OFFICE HOURS AT THE SEWER MAINTENANCE DIVISION'S OFFICE AT CITY HALL.
8. PROPERTIES WITHIN THE PROJECT LIMITS MAY HAVE PRIVATE IMPROVEMENTS, I.E., SPRINKLER SYSTEMS, FENCES, PLANTERS, SIGNS, ETC., IN PUBLIC RIGHT-OF-WAY WHICH CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THEIR OWNER AT THE TIME OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS, VALVES AND OTHER REUSABLE MATERIALS AND GIVE SUCH TO THEIR OWNER. IMPROVEMENTS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH REMOVAL OF THESE ITEMS SHALL BE CONSIDERED AS SUBSIDIARY TO "CLEARING RIGHT-OF-WAY AND SITE PREPARATION".
9. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
11. THE CONTRACTOR SHALL ADJUST WATER VALVE AND FIRE HYDRANTS AS DIRECTED BY THE ENGINEER. THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
12. THE CONTRACTOR SHALL INSTALL TYPE III BARRICADES AT THE ENTRANCES TO THE ALLEY FROM EMPORIA AND TOPEKA AVENUES. ALL TYPE III BARRICADES PLACED ACROSS THE ALLEY SHALL BE SUITABLY DISTRIBUTED ACROSS THE ALLEY AND PROTECTED AT NIGHT BY APPROVED YELLOW FLASHING LIGHTS. THE LIGHTS SHALL BE KEPT BURNING FROM SUNSET TO SUNRISE. COST OF TYPE III BARRICADES SHALL BE SUBSIDIARY TO THE BID ITEM FOR TRAFFIC CONTROL. NOTIFY THE CITY'S TRAFFIC MAINTENANCE DEPARTMENT 14 DAYS PRIOR TO THE START OF CONSTRUCTION. ALL SIGNS, BARRICADES AND TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE CURRENT M.U.T.C.D.
13. STREET SIGNS, STREET FURNITURE, ETCETERA REMOVED BY THE CONTRACTOR SHALL BE TAKEN TO THE CITY YARD FOR STORAGE.
14. INSTALL NEW STANDARD MANHOLE FRAMES AND COVERS ON ALL EXISTING STORM WATER AND SANITARY SEWER MANHOLES LOCATED IN NEW PAVEMENT. OLD FRAMES AND COVERS SHALL BE TAKEN TO THE CITY YARD FOR SALVAGE.
15. ALL ELEVATIONS SHOWN ARE CITY DATUM. CITY DATUM = USGS MSL – 1187.40
16. NOTIFY KG&E (BUDDY WARD, 261-6771 OR JAMES SCHMIDT, 261-6249) 48 HOURS PRIOR TO ANY WORK REQUIRING ACCESS TO KG&E VAULTS, MANHOLES, AND POWER SUPPLY LOCATIONS.

STATE PARKING GARAGE ALLEY

GENERAL NOTES & DETAILS

Design	PAF
Drawn by	PAF
Checked by	
Date	
Job no.	93085
Sheet	2
of	6

MID-KANSAS ENGINEERING CONSULTANTS INC.
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 (316) 636-5566

notes

LEGEND

BUILDING

PROPERTY LINE

BEGIN PROJECT
STA. 10+25.91

TRANSITION TYPE 1 CURB & GUTTER TO RAMP FROM NEAREST JOINT, SEE (SHEET 2) FOR TYPE 1 CURB & GUTTER, RAMP DETAILS

STA. 10+25.91 2.6' LT.
ADJUST DROP INLET
EXIST. TOP = 108.25
PROP. TOP = 108.25

STA. 10+37.06
WATER METER
EXIST. TOP = 109.06
PROP. TOP = 109.03

STA. 11+28.08
ADJUST CLEAN OUT TOP
EXIST. TOP = 108.87
PROP. TOP = 109.19

STA. 11+69.06
ADJUST MANHOLE TOP
EXIST. TOP = 109.35
PROP. TOP = 109.24

SAWCUT EXIST. ASPHALT 3 FT. OFFSET FROM PROPERTY LINE AND REPLACE TO MATCH NEW ALLEY

STA. 11+89.74
ADJUST MANHOLE TOP
EXIST. TOP = 109.67
PROP. TOP = 109.38
ADJ. DURING CONST.
ADJ. BY OTHERS

STA. 13+23.00
S.W.S. MANHOLE
EXIST. TOP = 109.75
PROP. TOP = 109.79

STA. 13+30.29
S.S. MANHOLE
EXIST. TOP = 109.78
PROP. TOP = 109.84

CONST. 8" CONC. DRIVE W/ 6" CONC. RAMPS SEE RAMP & DRIVE DETAIL (SHEET 2)

TRANSITION 10' CURB & GUTTER TO TYPE 1 CURB & GUTTER

END PROJECT
STA. 13+53.41

SAWCUT & MATCH EXIST. SEE INTERSECTION DETAIL SHEET 2.

TRANSITION VALLEY FLOW LINE THRU DRIVE FROM STA. 10+26, 2.6' LT. TO STA. 10+40.07, ℄

SAWCUT & MATCH EXIST. SEE INTERSECTION DETAIL SHEET 2.

TRANSITION TYPE 1 CURB & GUTTER TO RAMP FROM NEAREST JOINT, SEE (SHEET 2) FOR TYPE 1 CURB & GUTTER, RAMP DETAILS

TRANSITION TYPE 1 CURB & GUTTER TO RAMP FROM NEAREST JOINT, SEE (SHEET 2) FOR TYPE 1 CURB & GUTTER, RAMP DETAILS

CONST. 8" CONC. DRIVE W/ 6" CONC. RAMPS SEE RAMP & DRIVE DETAIL (SHEET 2)

REMOVE EXIST. PAVEMENT CONST. 7" CONCRETE SEE DETAILS & JOINT PLAN (SHEET 2)

STA. 11+84.22
ADJUST MANHOLE TOP
EXIST. TOP = 109.55
PROP. TOP = 109.33

STA. 11+96.38
ADJUST MANHOLE TOP
EXIST. TOP = 109.52
PROP. TOP = 109.42
ADJ. DURING CONST.
ADJ. BY OTHERS

REMOVE EXIST. PAVEMENT CONST. 7" CONCRETE SEE DETAILS & JOINT PLAN (SHEET 2)

BUILDING

BUILDING

STATE OFFICE BUILDING PARKING LOT

PROPERTY LINE

N89°55'32"E

N89°55'32"E

S0°00'47"E 149.92 N0°00'47"E

TOPEKA AVENUE

EMPORIA AVENUE

20' ALLEY

50' R/W

10+00 10+40.07= R/W 10+50 11+00 11+50 12+00 12+50 13+00 13+39.82 R/W 13+50 13+79.82

XCUT

N

SCALE: 1"=20'
0 10 20 40

BM-1 "□" CUT ON N.E. COR. LIGHT POLE BASE, SOUTH SIDE WILLIAM ST., APPROX. 6' EAST OF CL OF ALLEY TO NORTH. ELEV: 108.99

BM-2 "□" CUT ON TOP OF CURB @ EAST SIDE OF ISLAND, NEAR CL OF DOUGLAS, ON THE EAST SIDE OF ST. FRANCIS. ELEV: 111.53

BM-3 "□" CUT ON TOP OF CURB ON E. END OF MEDIAN, CL DOUGLAS AND WEST SIDE OF BROADWAY. ELEV: 111.53

MANHOLE TOP ADJUSTMENTS

STATION	OFFSET	EXIST. ELEV.	PROP. ELEV.
11+69.06	1.5 LT.	109.35	109.24
11+84.22	2.9 LT.	109.55	109.33
* 11+89.74	4.5 LT.	109.67	109.38
* 11+96.38	5.1 RT.	109.52	109.42
13+23.00	1.5 LT.	109.75	109.79
13+30.29	1.5 LT.	109.78	109.84
* BY OTHERS			

CLEAN OUT ADJUSTMENTS

STATION	OFFSET	EXIST. ELEV.	PROP. ELEV.
11+28.08	5.6 LT.	108.87	109.19

STATE OFFICE BUILDING PARKING GARAGE ALLEY

PAVING PLAN
STA. 10+00 TO 13+53.41

Design PAF
Drawn by PAF
Checked by
Date
Job no. 93085

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3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226 (316) 636-5566

Sheet 3 of 5

garalley

TYPE I BARRICADE
WITH SIGN
(SEE DETAIL THIS SHEET)

SAFETY FENCE (4'-0" TALL) WITH MAXIMUM OF 6" OPENING IN FENCE MATERIAL AND WITH REFLECTIVE (3"X8")MARKERS AT 6'-0" CENTERS AT TOP OF FENCE.

SAFETY FENCE (4'-0" TALL) WITH MAXIMUM OF 6" OPENING IN FENCE MATERIAL AND WITH REFLECTIVE (3"X8")MARKERS AT 6'-0" CENTERS AT TOP OF FENCE.

TYPE I BARRICADE
WITH SIGN
(SEE DETAIL THIS SHEET)

N

SCALE: 1"=20'
0 10 20 40

TYPE III BARRICADE

TYPE III BARRICADE

SAFETY FENCE (4'-0" TALL) WITH MAXIMUM OF 6" OPENING IN FENCE MATERIAL AND WITH REFLECTIVE (3"X8")MARKERS AT 6'-0" CENTERS AT TOP OF FENCE.

BUILDING

BUILDING

SAFETY FENCE AT ALL DOORS

STATE OFFICE BUILDING PARKING GARAGE

TOPEKA AVENUE

EMPORIA AVENUE

ABANDONED 20' ALLEY

N89°55'32"E

S0°00'47"W

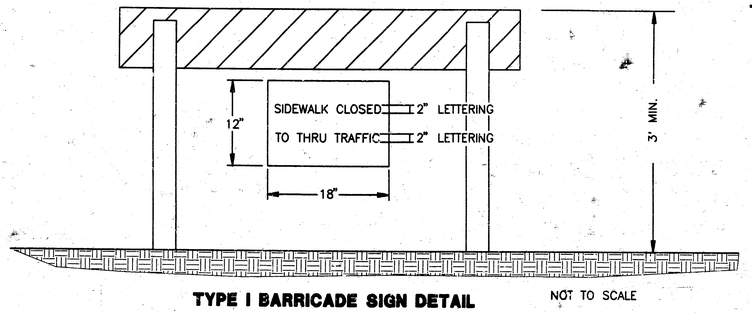
149.92

N0°00'47"E

S0°00'47"W

TYPE I BARRICADE
WITH SIGN
(SEE DETAIL THIS SHEET)

TYPE I BARRICADE
WITH SIGN
(SEE DETAIL THIS SHEET)



TYPE I BARRICADE SIGN DETAIL NOT TO SCALE

STATE OFFICE BUILDING PARKING GARAGE ALLEY

TRAFFIC CONTROL PLAN

Design	KJS
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Date	
Job No.	93085
Sheet	4
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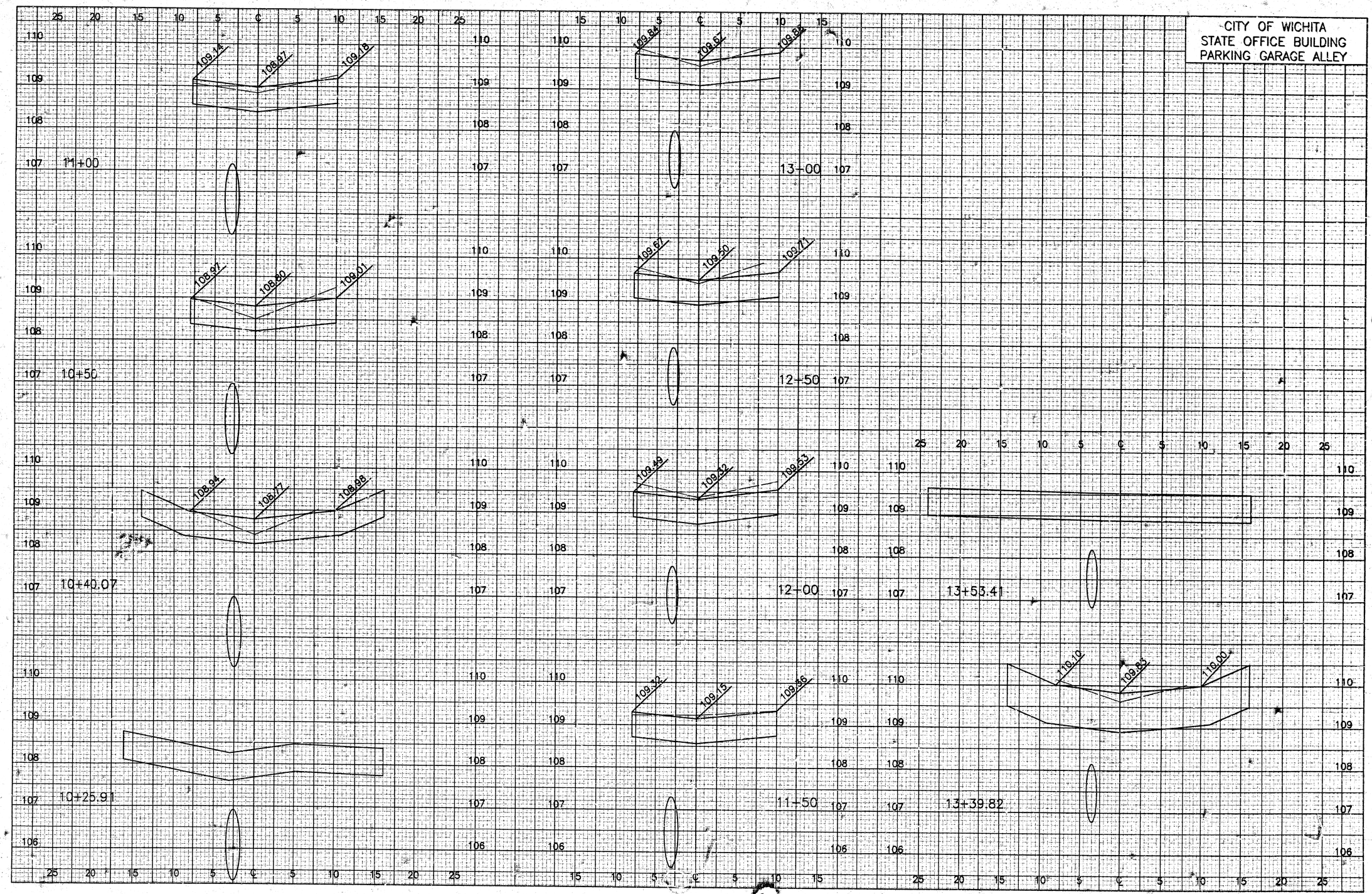
MID-KANSAS ENGINEERING CONSULTANTS INC.
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
(316) 636-5566

CITY OF WICHITA
STATE OFFICE BUILDING
PARKING GARAGE ALLEY



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