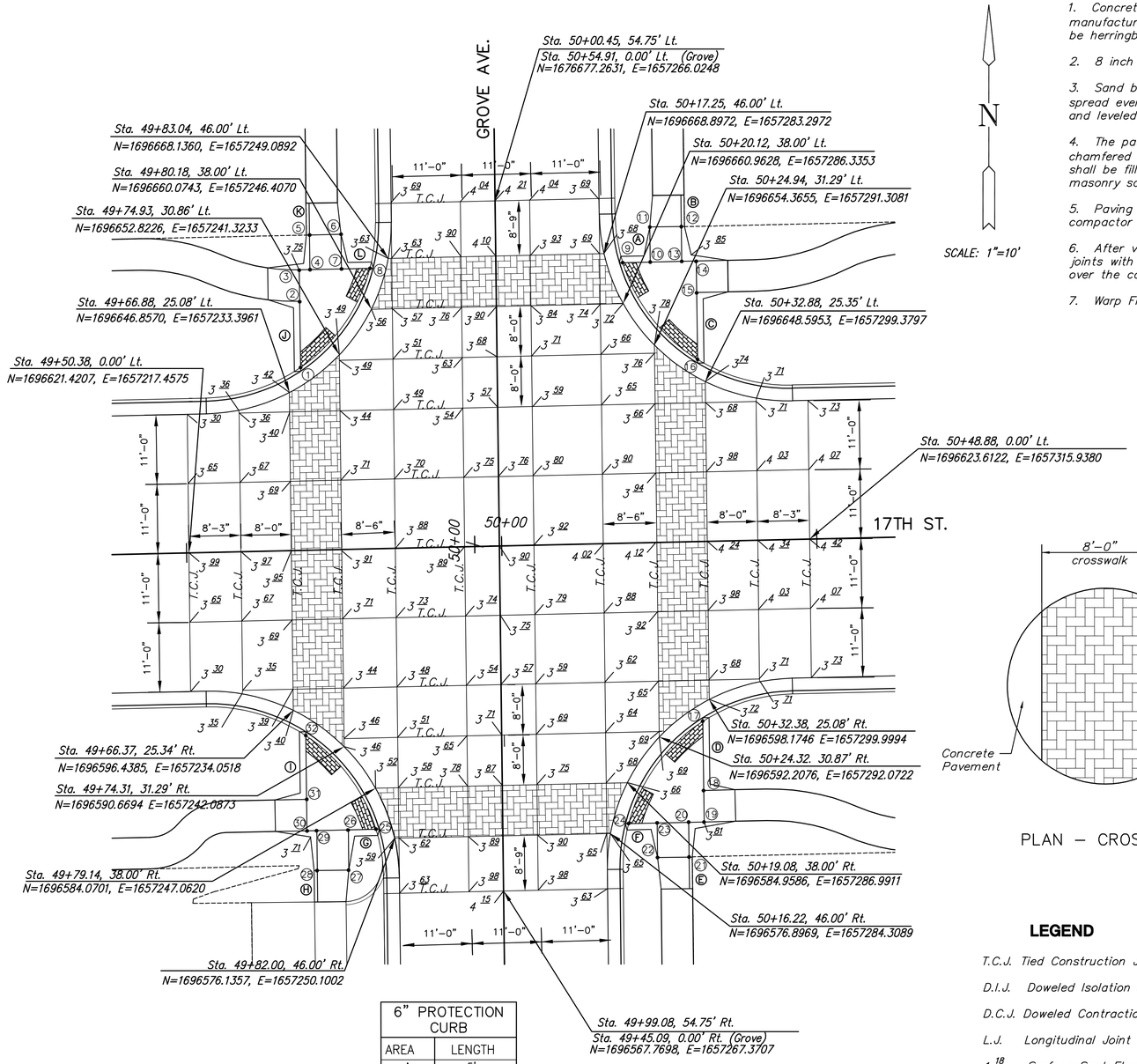
STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87 N-0349-01	2009	31	133

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

17th STREET FROM GROVE TO HILLSIDE



N

SCALE: 1"=10'

CROSSWALK NOTES:

1. Concrete unit pavers shall meet or exceed ASTM C 936. The style shall be "Holland Stone" (4"x8"x3 1/8") as manufactured by Pavestone, Inc., or equal as approved by the engineer. Color shall be "charcoal red" and laying pattern shall be herringbone. Payment shall be at the contract bid price per square foot for concrete unit pavers.

2. 8 inch concrete pavement base course shall be subsidiary to the bid price for unit paver crosswalk.

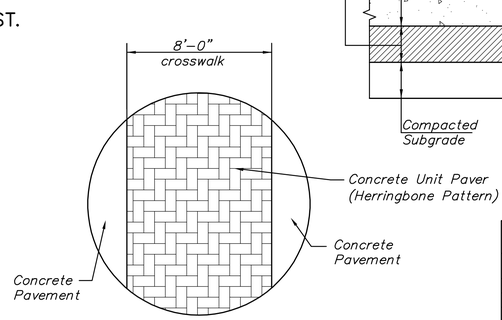
3. Sand bedding shall meet the specification requirements for fine aggregate. An uncompacted sand laying course shall be spread evenly over the area to be paved and then screeded to a level of approximately 3/4" max. thickness. Once screeded and leveled to the desired elevation, the sand laying course shall not be disturbed in any way.

4. The paving brick shall be installed in a herringbone pattern as shown in the plan. Stones shall be placed with the chamfered side up, and joint spaces kept uniform approximately 1/8 inch thick. The gaps at the edge of the paved surface shall be filled with stones cut to fit. Cutting shall be accomplished to leave a clean edge toward the traffic surface, using a masonry saw. Whenever possible, no cuts should result with a paver less than one-third of its original dimension.

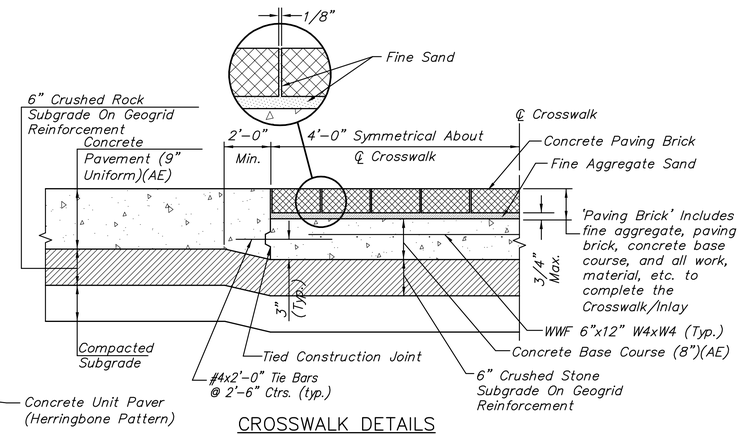
5. Paving brick shall be vibrated to their final level in the sand laying course by two or three passes of a vibrating compactor capable of 3000 to 5000 pounds compaction force with the surface clean and joints open.

6. After vibration, clean concrete sand shall be spread over the paving stone surface, allowed to dry, and vibrated into the joints with additional passes of the plate vibrator so as to completely fill the joints. A light coating of sand shall be swept over the completed surface and left to weather in.

7. Warp Flowline of Gutter as necessary in curb return of Intersection to avoid creating sumps.



PLAN – CROSSWALK



CROSSWALK DETAILS

RAMP AND SIDEWALK POINT TABLE				
PT. NO.	STATION/OFFSET	NORTHING	EASTING	REMARKS
1	49+67.82, 28.43' Lt.	1696650.8350	1657235.1713	NW Quadrant at BC
2	49+68.76, 39.50' Lt.	1696661.3214	1657235.0247	NW Quadrant
3	49+68.87, 44.50' Lt.	1696666.3211	1657234.9548	NW Quadrant
4	49+70.07, 44.50' Lt.	1696666.3591	1657236.6609	NW Quadrant
5	49+70.13, 50.00' Lt.	1696671.8589	1657236.5911	NW Quadrant
6	49+75.13, 50.00' Lt.	1696671.9701	1657241.5900	NW Quadrant
7	49+75.07, 44.50' Lt.	1696666.4703	1657241.6599	NW Quadrant
8	49+80.10, 44.50' Lt.	1696666.5710	1657246.1869	NW Quadrant at BC
9	50+20.19, 44.50' Lt.	1696667.4629	1657286.2662	NE Quadrant at BC
10	50+25.08, 44.50' Lt.	1696667.5604	1657290.6500	NE Quadrant
11	50+25.13, 50.06' Lt.	1696673.1205	1657290.5794	NE Quadrant
12	50+30.13, 50.02' Lt.	1696673.1827	1657296.0823	NE Quadrant
13	50+30.08, 44.50' Lt.	1696667.6717	1657295.6490	NE Quadrant
14	50+31.87, 44.50' Lt.	1696667.7227	1657297.9414	NE Quadrant
15	50+31.83, 39.50' Lt.	1696662.7230	1657298.0113	NE Quadrant
16	50+31.74, 28.89' Lt.	1696652.1156	1657298.1596	NE Quadrant at BC
17	50+31.27, 28.54' Rt.	1696594.6875	1657298.9624	SE Quadrant at BC
18	50+31.17, 39.50' Rt.	1696583.7280	1657299.1156	SE Quadrant
19	50+31.13, 44.50' Rt.	1696578.7284	1657299.1855	SE Quadrant
20	50+29.19, 44.54' Rt.	1696578.6740	1657296.7432	SE Quadrant
21	50+29.13, 50.04' Rt.	1696573.1406	1657296.8089	SE Quadrant
22	50+24.13, 50.00' Rt.	1696573.0708	1657291.8094	SE Quadrant
23	50+24.19, 44.50' Rt.	1696578.5628	1657291.7442	SE Quadrant
24	50+19.16, 44.50' Rt.	1696578.4619	1657287.2112	SE Quadrant at BC
25	49+79.07, 44.50' Rt.	1696577.5700	1657247.1311	SW Quadrant at BC
26	49+74.19, 44.50' Rt.	1696577.4726	1657242.7536	SW Quadrant
27	49+74.12, 50.87' Rt.	1696571.1004	1657242.8294	SW Quadrant
28	49+69.12, 50.83' Rt.	1696571.0305	1657237.8298	SW Quadrant
29	49+69.19, 44.50' Rt.	1696577.3562	1657237.7547	SW Quadrant
30	49+68.37, 44.95' Rt.	1696577.3268	1657236.1990	SW Quadrant
31	49+68.17, 39.55' Rt.	1696582.3264	1657236.1291	SW Quadrant
32	49+68.26, 29.39' Rt.	1696592.4400	1657235.9877	SW Quadrant at BC

6" PROTECTION CURB	
AREA	LENGTH
A	5'
B	10'
C	11'
D	11'
E	10'
F	5'
G	5'
H	10'
I	11'
J	11'
K	10'
L	5'

See Sheet 32 for Paving Notes.

LEGEND

T.C.J. Tied Construction Joint
D.I.J. Doweled Isolation Joint
D.C.J. Doweled Contraction Joint
L.J. Longitudinal Joint
1 18 Surface Spot Elevation
→ Direction of Surface Flow

17th & Grove Intersection Detail
SHEET TITLE

87 N-0349-01
PROJECT NUMBER

JRA
DESIGN BY
JSB
DRAWN BY
JRA
CHECKED BY

ISSUED
May 28, 2009
REVISED

SHEET NO.
31 of 133

PLOTTED: Thursday, May 28, 2009 @ 10:33AM
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