

STATE OF KANSAS
 DEPARTMENT OF TRANSPORTATION
 PLAN OF TRAFFIC CONTROL DEVICES

FEDERAL AID PROJECT
 CITY OF LAWRENCE
 DOUGLAS COUNTY
 SAFE ROUTES TO SCHOOL:
 CROSSWALKS AND SIDEWALK

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	23 U-2305-01	2017	1	45

F.A. No. TA-U230(501)

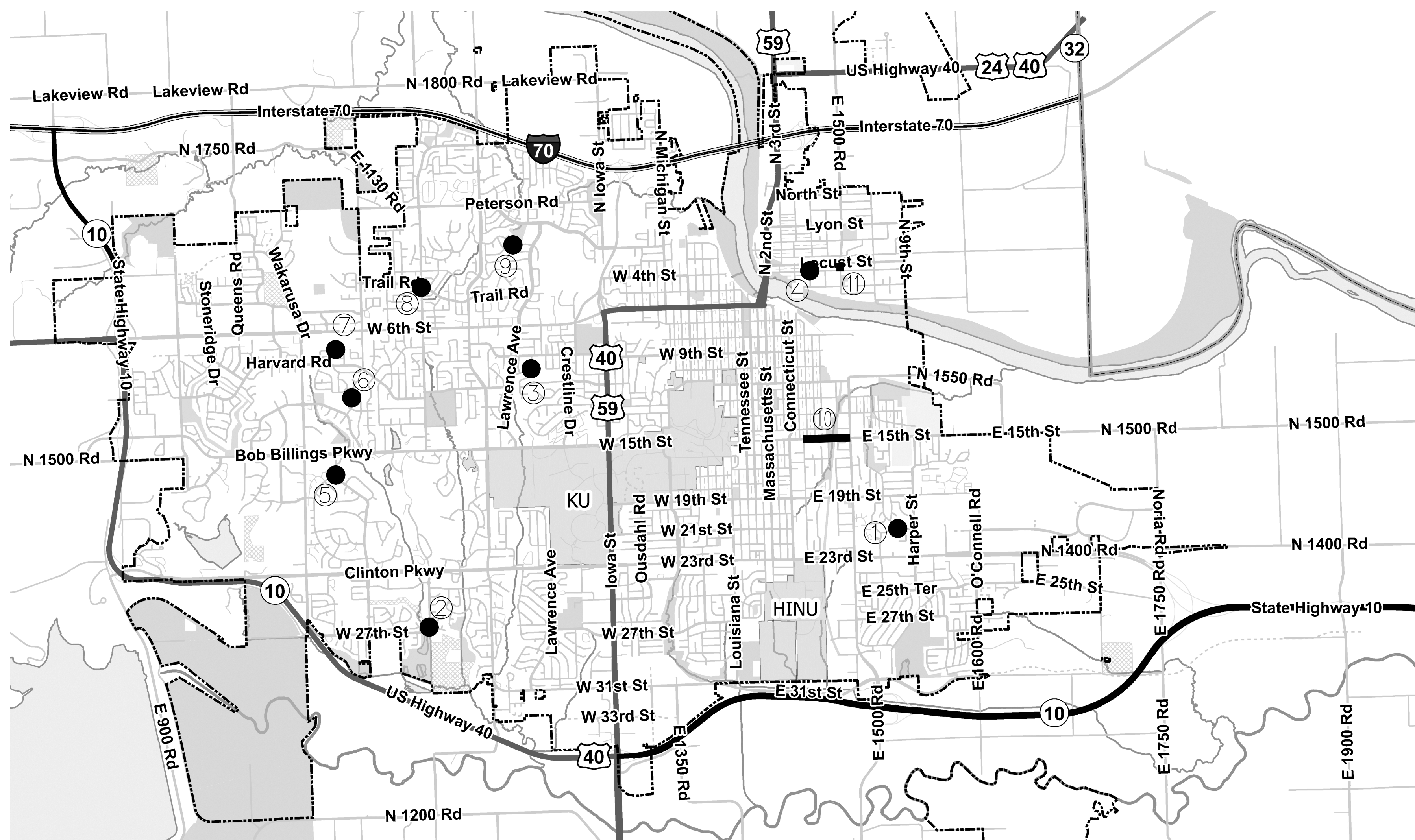
GRADING
 SIDEWALK IMPROVEMENTS
 SEEDING
 TRAFFIC SIGNALIZATION
 PAVEMENT MARKING

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 GENERAL NOTES
- 3-11 PLANS OF PROPOSED CROSSWALKS
- 12-17 PLANS OF PROPOSED SIDEWALKS
- 18-19 RRFB DETAILS
- 20 DRIVEWAY PROFILES
- 21 SUMMARY OF QUANTITIES
- 22 PAVEMENT MARKING QUANTITIES
- 23-30 TRAFFIC CONTROL DETAILS
- 31-39 TEMPORARY EROSION AND POLLUTION CONTROL
- 40-45 STANDARD DETAILS

PROJECT NUMBER	23 U-2305-01	
GROSS LENGTH OF PROJECT	2101 FT	
EXCEPTIONS	0	
ADDITIONS	0	
	FEET	MILES
NET LENGTH OF PROJECT	2101	.398

CITY POPULATION: 88,727



- ① SW 1/4 Section 5-T13S-R20E
- ② NW 1/4 Section 10-T13S-R19E
- ③ NW 1/4 Section 35-T12S-R19E
- ④ SE 1/4 Section 30-T12S-R20E
- ⑤ NE 1/4 Section 4-T13S-R19E
- ⑥ SE 1/4 Section 33-T12S-R19E
- ⑦ SE 1/4 Section 33-T12S-R19E
- ⑧ S 1/2 Section 4-T13S-R19E
- ⑨ NW 1/4 Section 26-T12S-R19E
- ⑩ NE 1/4 Section 6-T13S-R20E
- ⑪ SE 1/4 Section 30-T12S-R20E

● =WORKSITE LOCATION.
 SEE INDIVIDUAL PLAN SHEETS
 FOR MORE DETAILED LOCATION
 INFORMATION.

NOT TO SCALE

Approved _____ / / _____
 Date

State Transportation Engineer

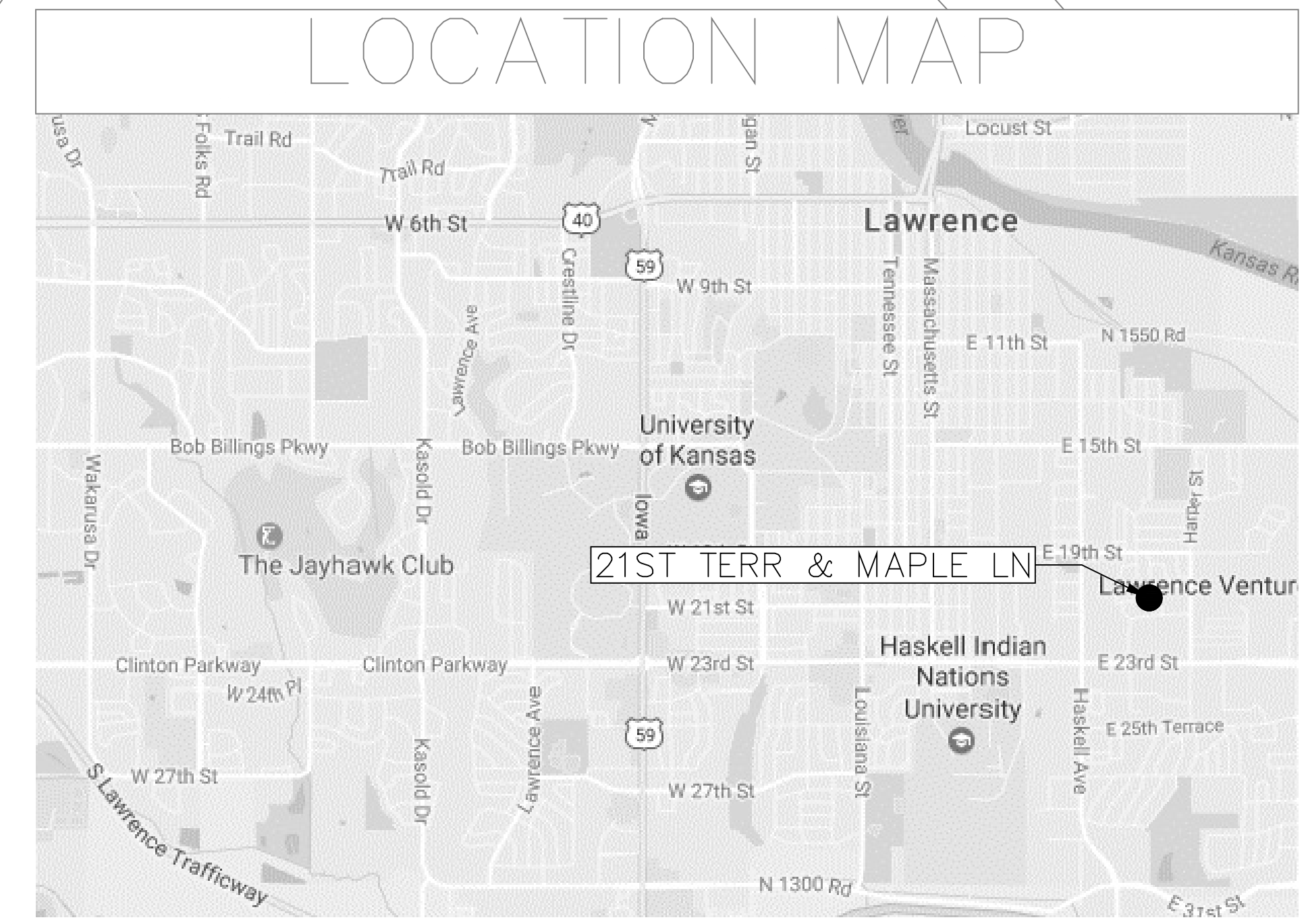
By: _____
 Chief, Bureau of Transportation Safety & Technology

KANSAS DEPARTMENT OF TRANSPORTATION

RECOM. FOR APPROVAL-DATE

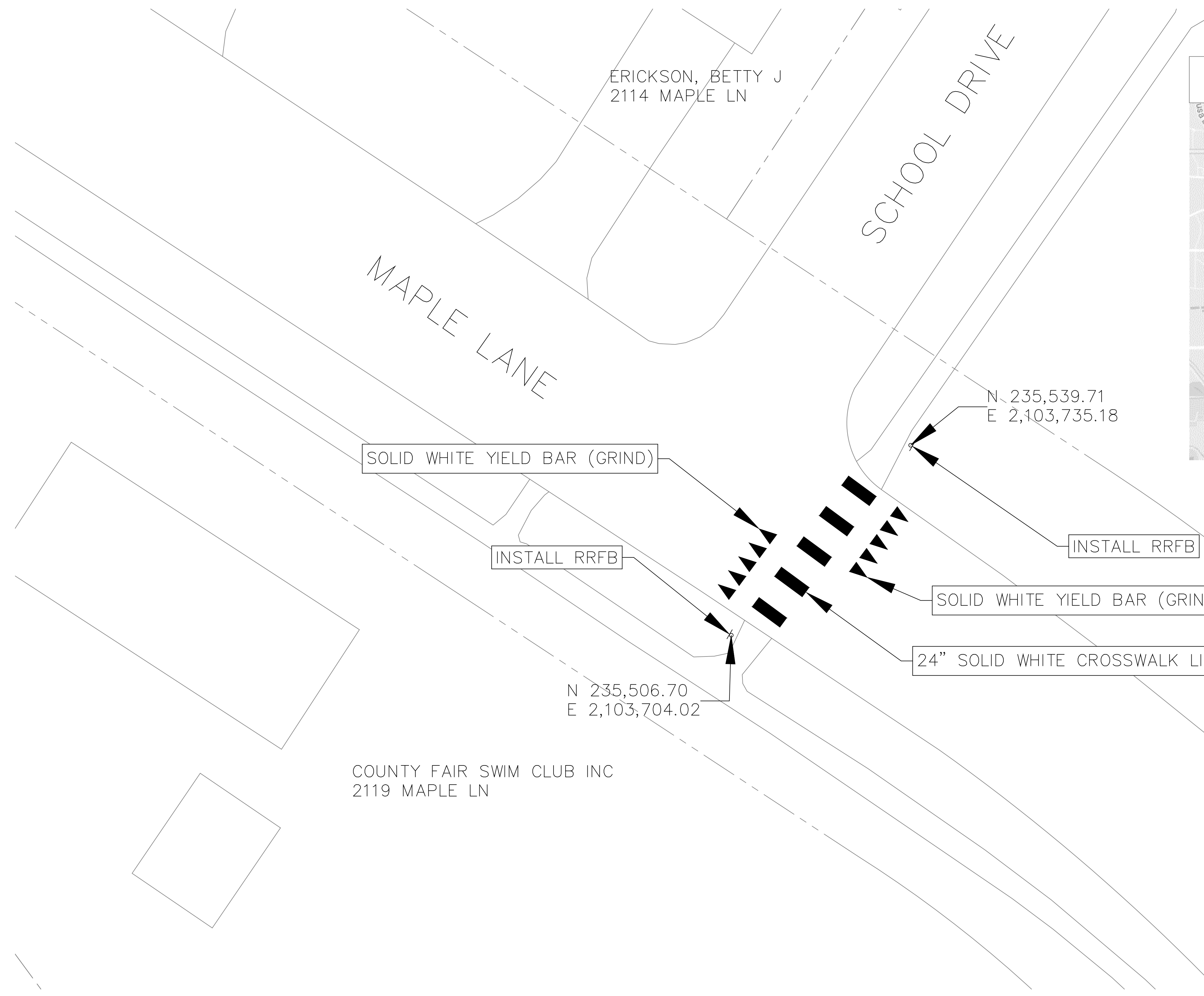
LOCAL PUBLIC OFFICIAL

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
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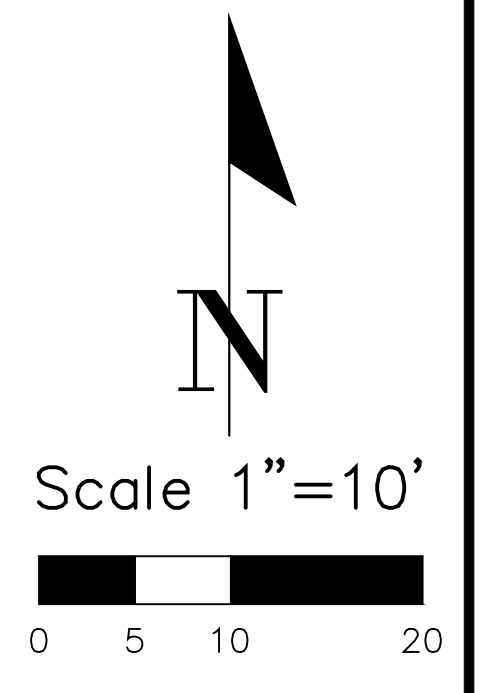
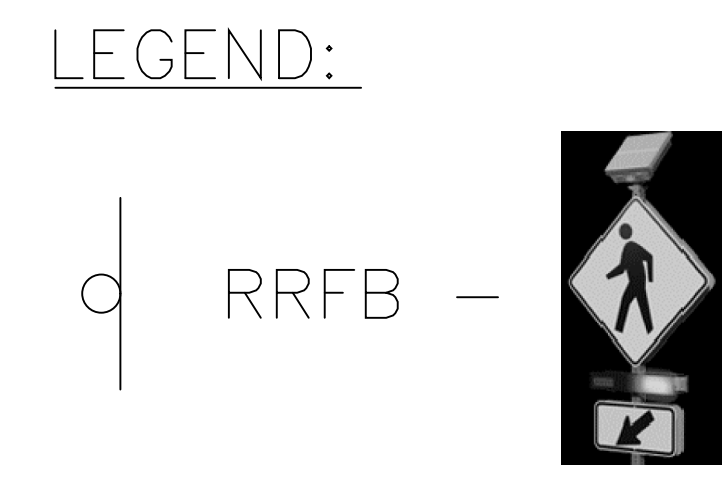


SW 1/4 of Section 5-T13S-R20E

UNIFIED SCHOOL DIST #497
1605 DAVIS RD



- NOTES:**
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.



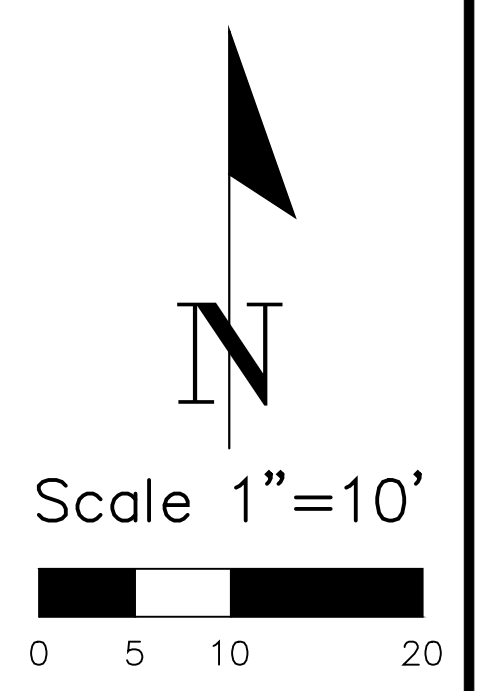
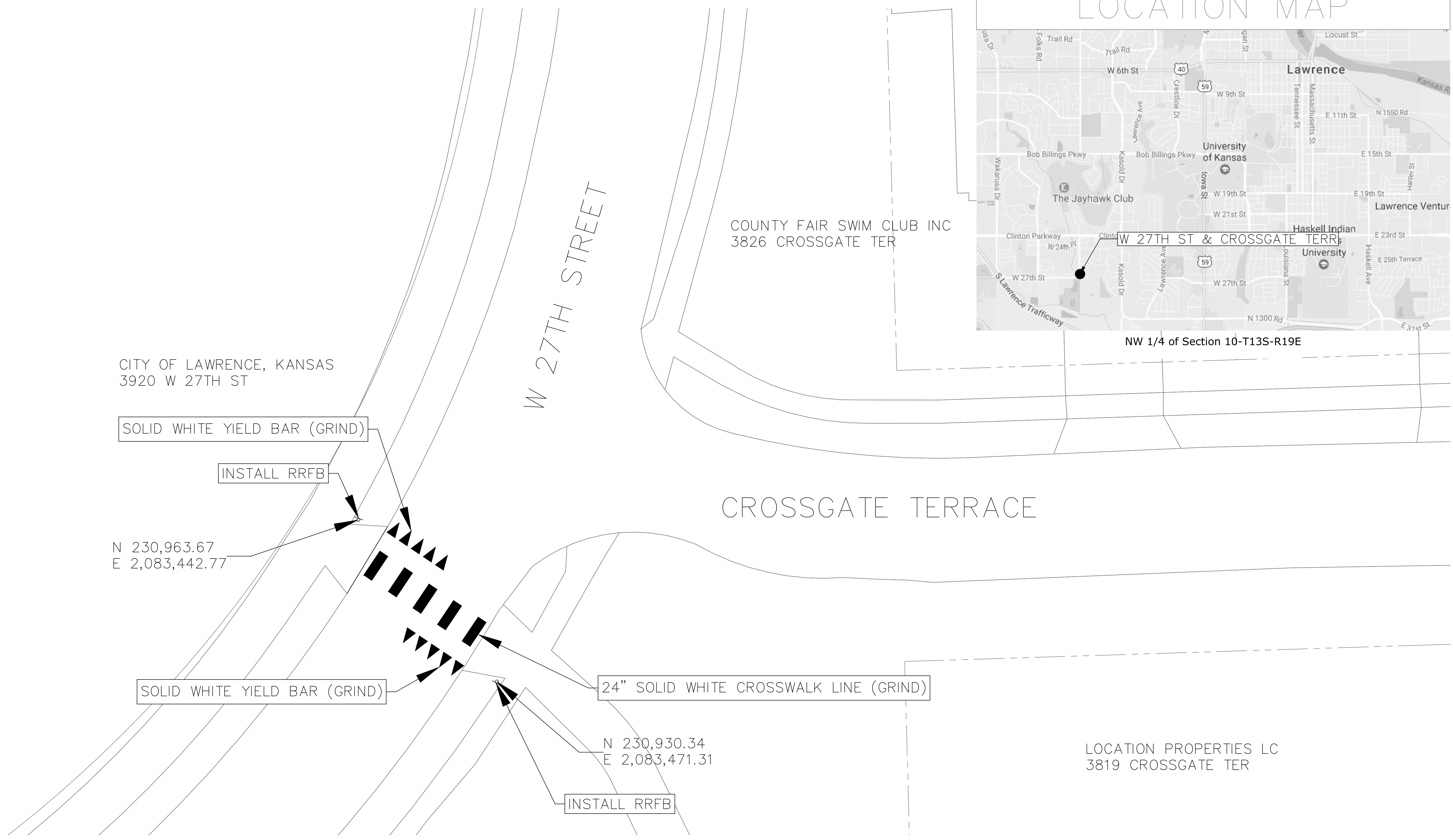
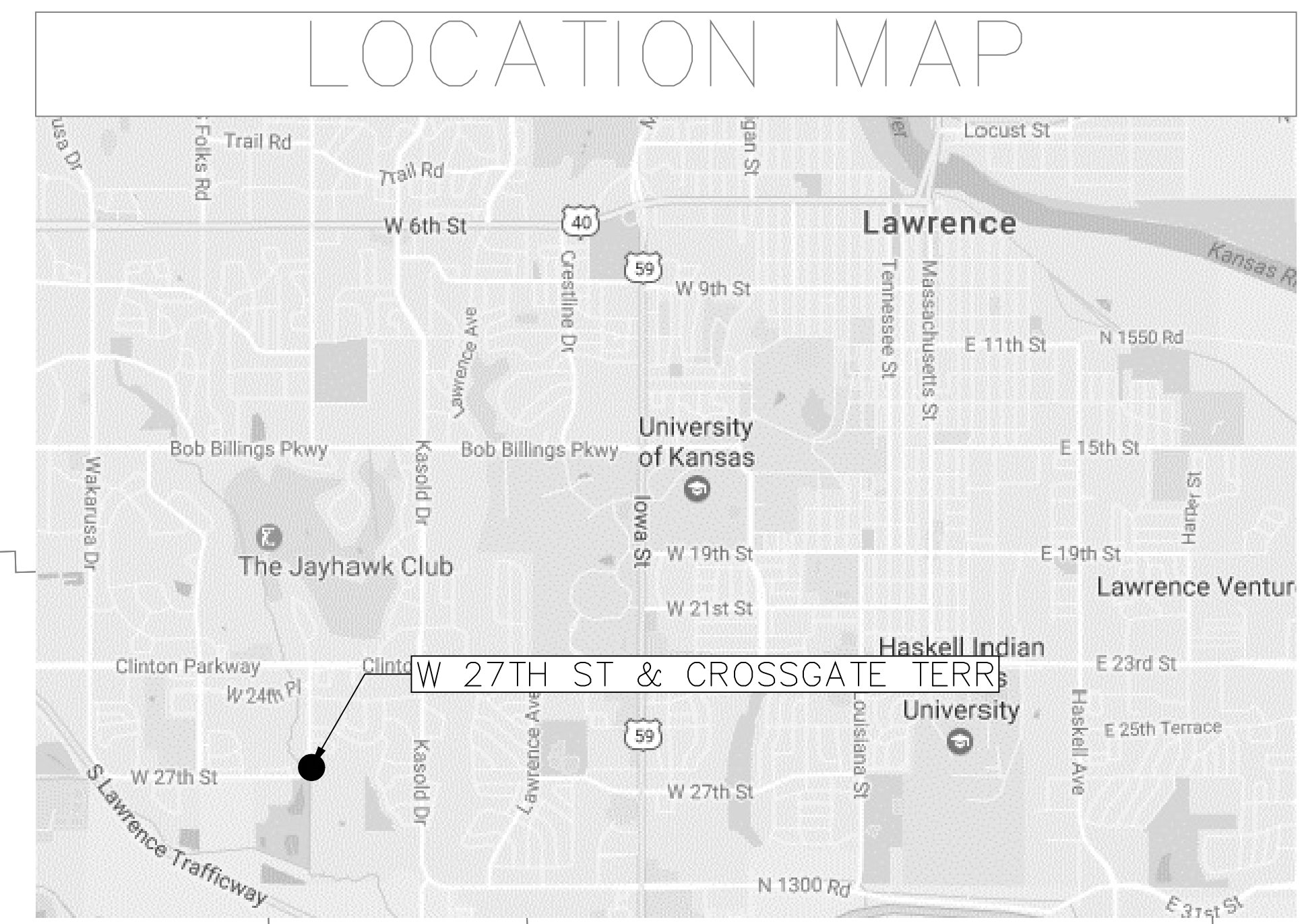
SHEET 3 OF 45

DATE	BY	REVISION

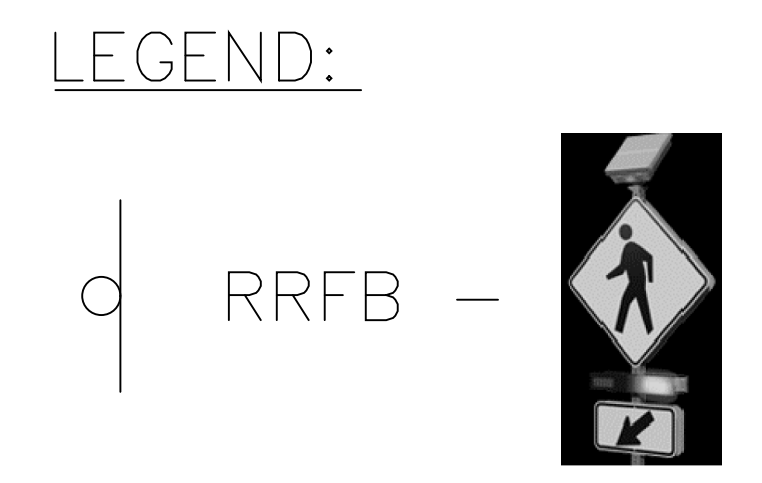
CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
MAPLE LANE NORTH OF EAST 21ST TERRACE
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER



- NOTES:
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.



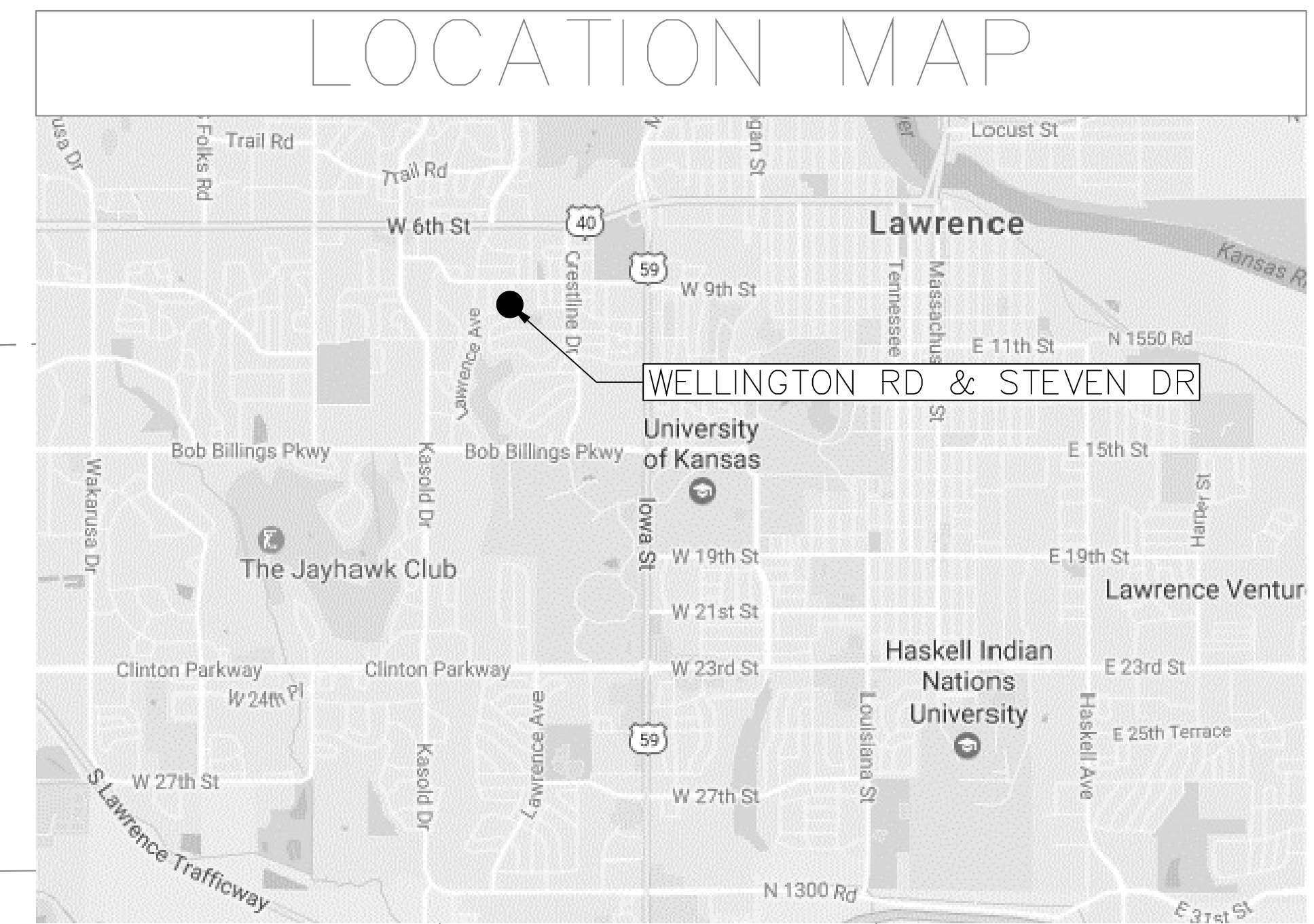
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SHEET 4 OF 45

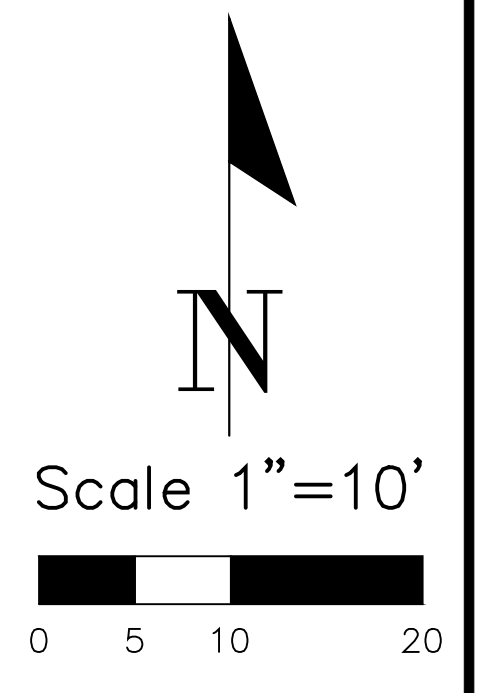
CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
W 27TH STREET & CROSSGATE TERRACE
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER



- NOTES:**
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.



SHEET 5 OF 45

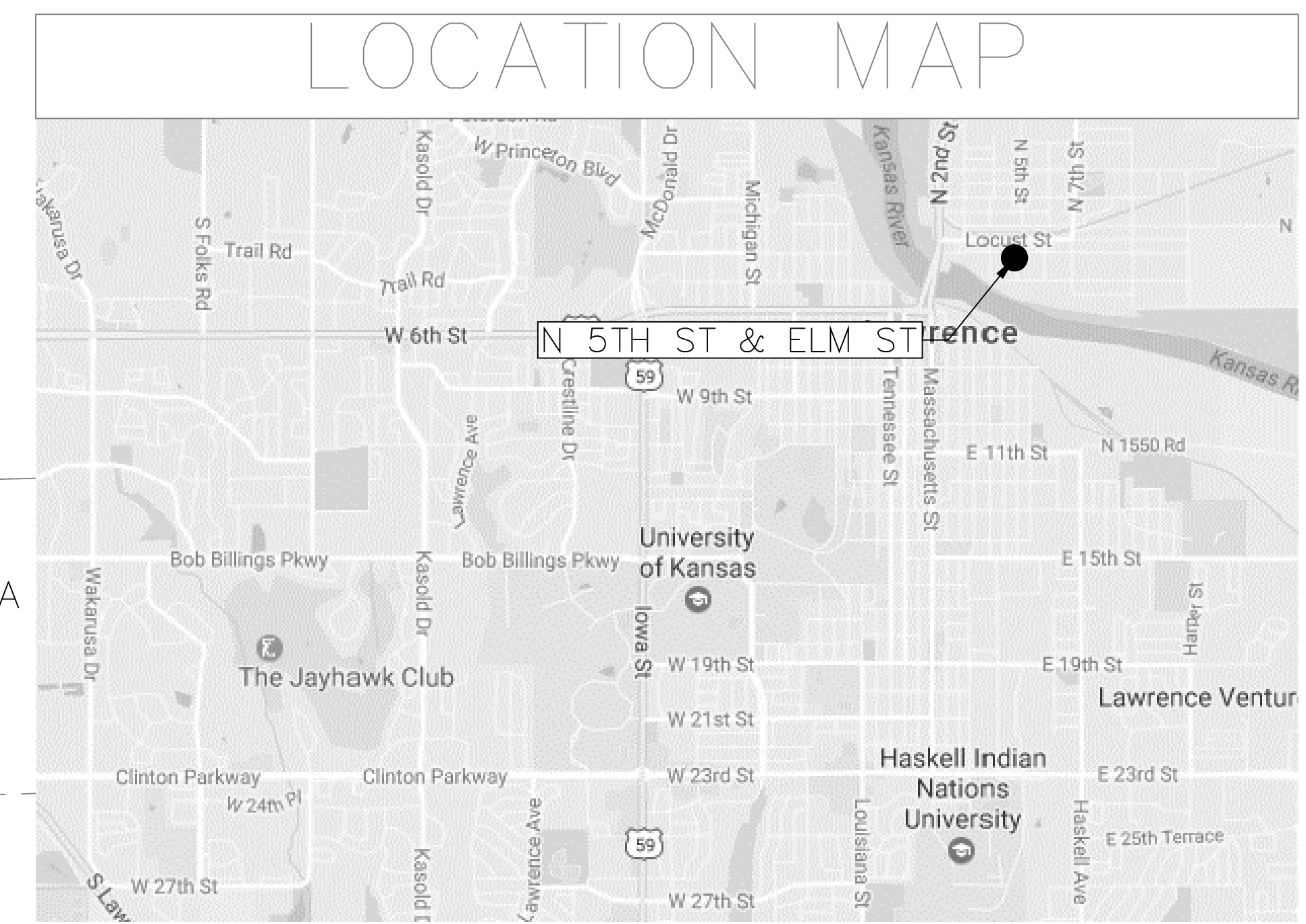
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CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

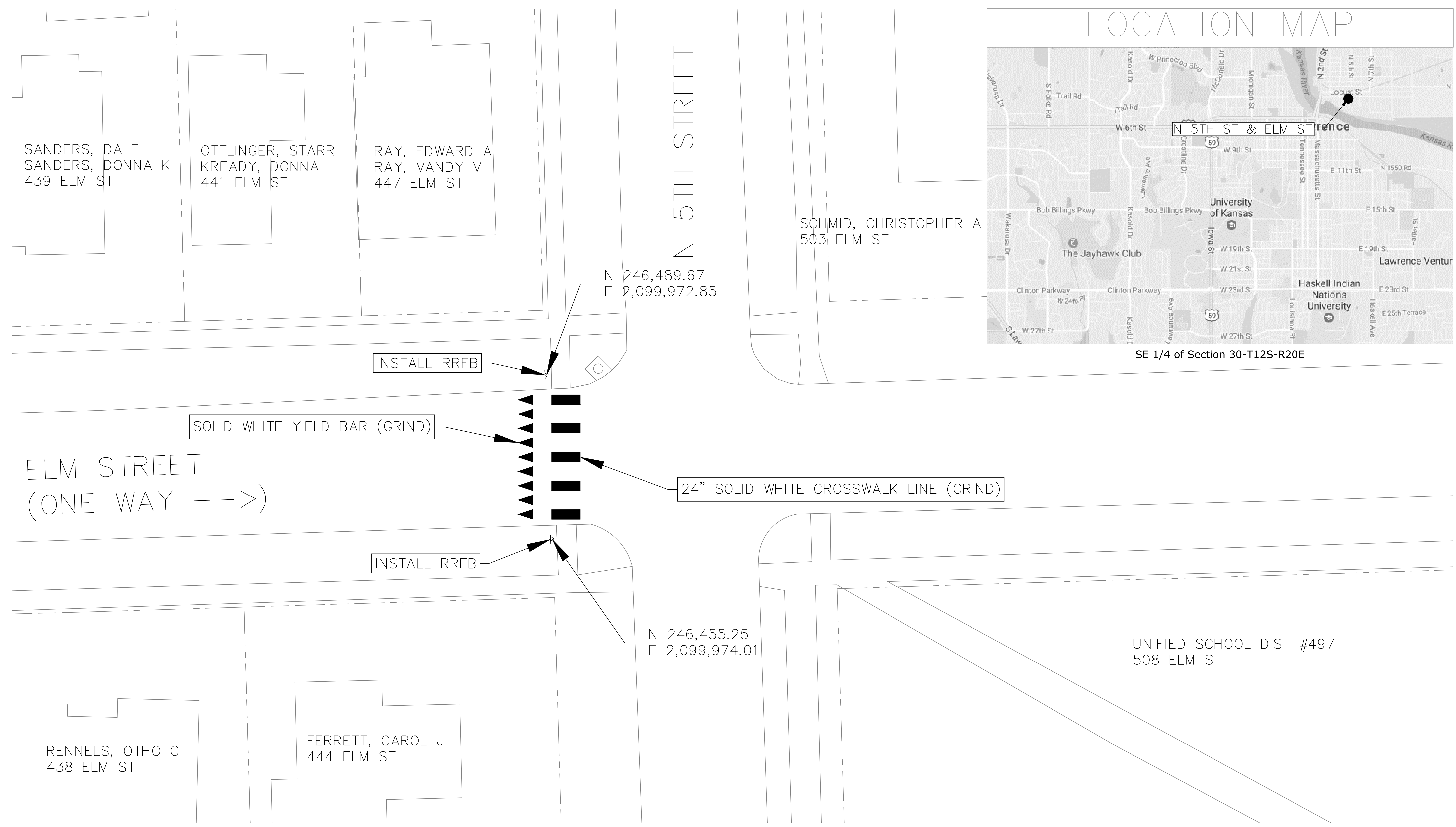
SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
WELLINGTON ROAD & STEVEN DRIVE
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	23 U-2305-01	2017	6	45



SE 1/4 of Section 30-T12S-R20E



- NOTES:
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.



SHEET 6 OF 45

DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
NORTH 5TH STREET & ELM STREET
PROJECT NO. PW1614

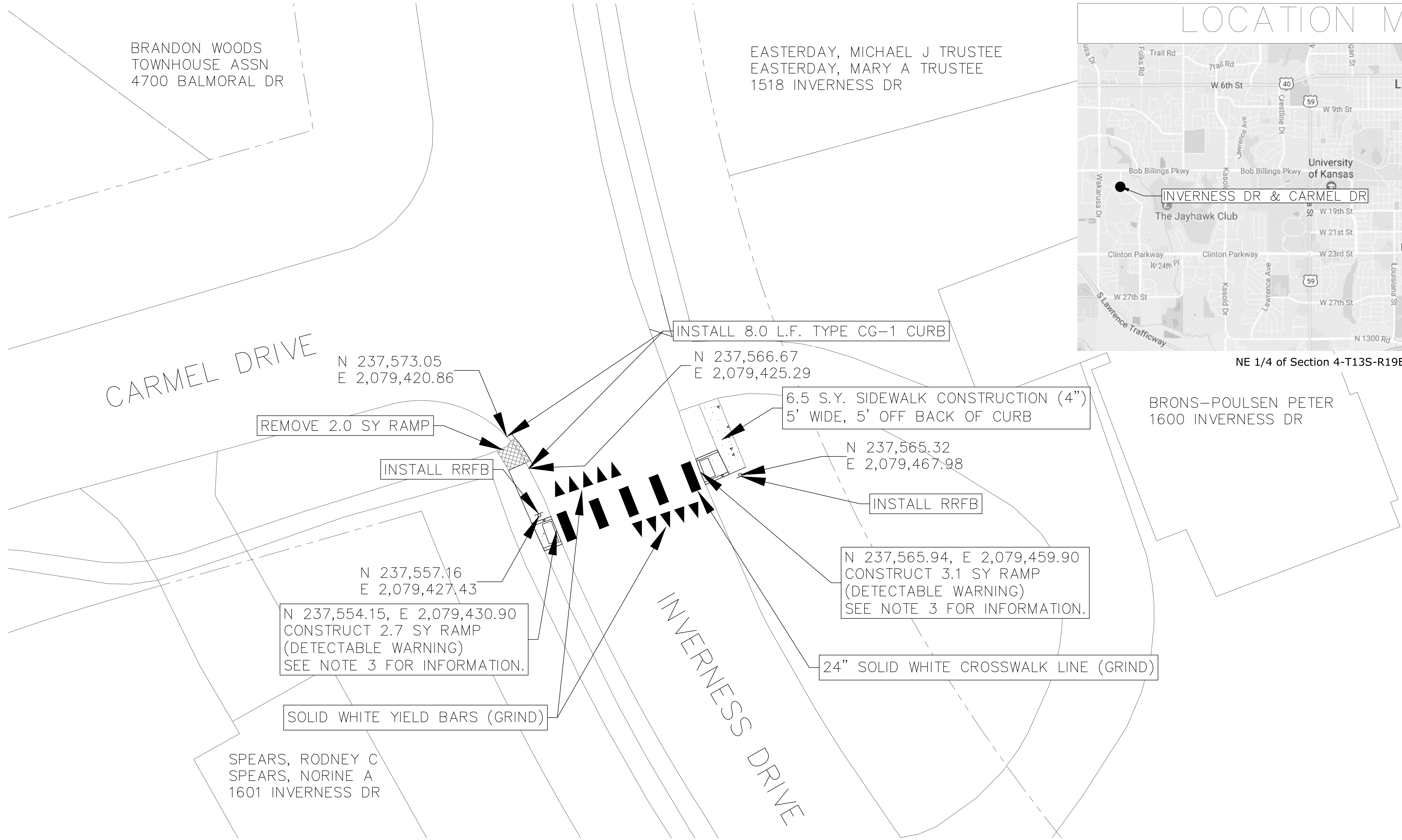
DAVID P. CRONIN
CITY ENGINEER

THOMAS M. MARKUS
CITY MANAGER

LOCATION MAP



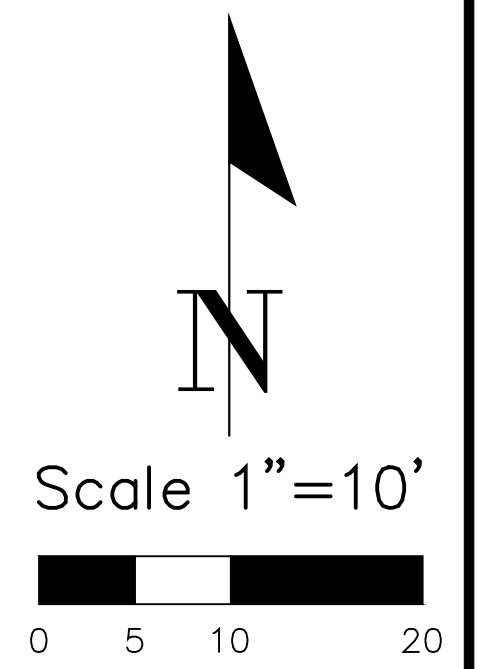
NE 1/4 of Section 4-T13S-R19E



NOTES:

1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
2. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
3. CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.

LEGEND:



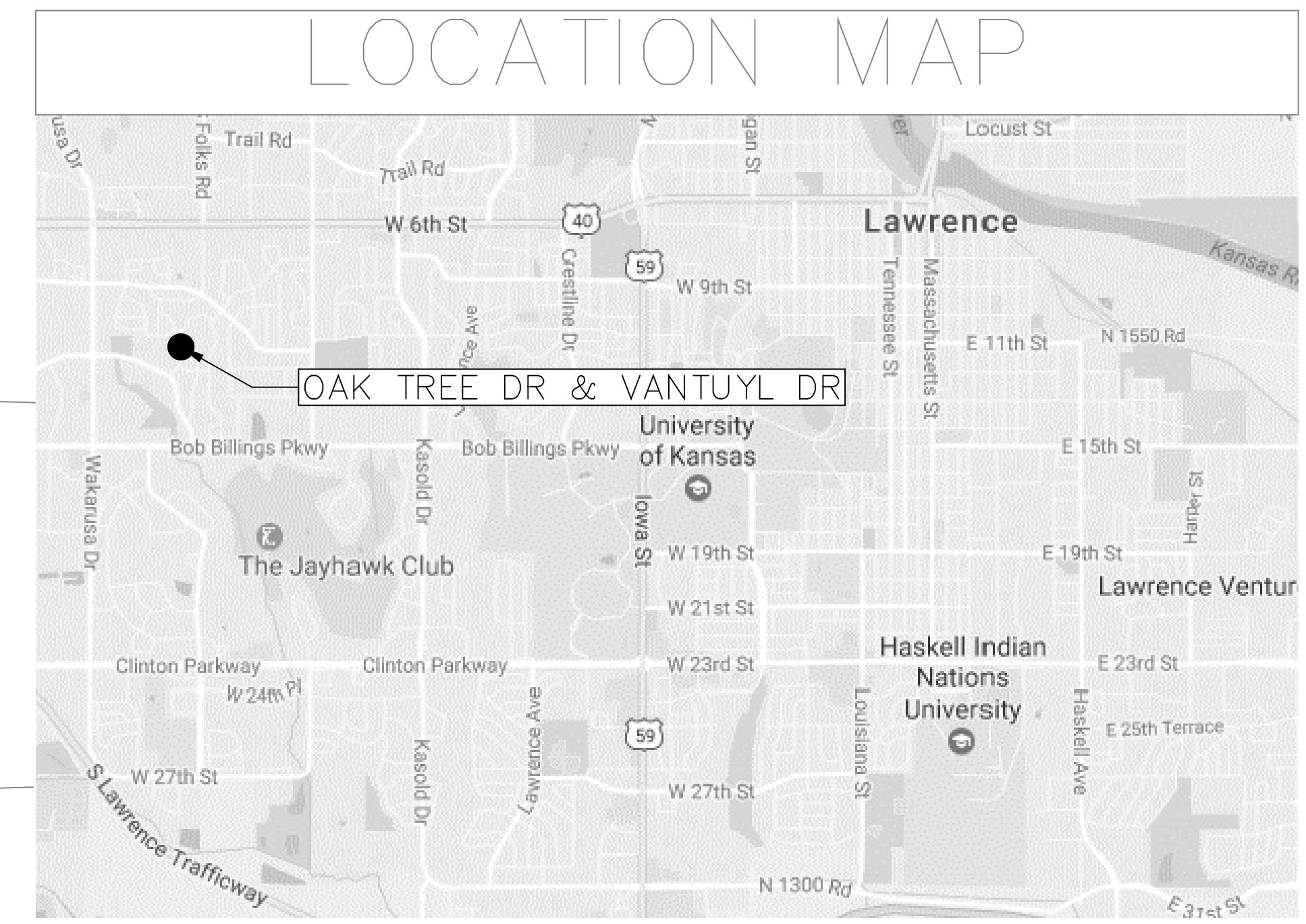
SHEET 7 OF 45

DATE	BY	REVISION

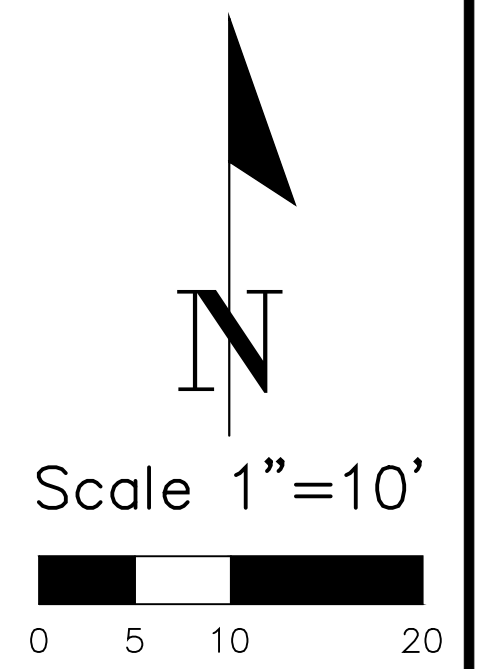
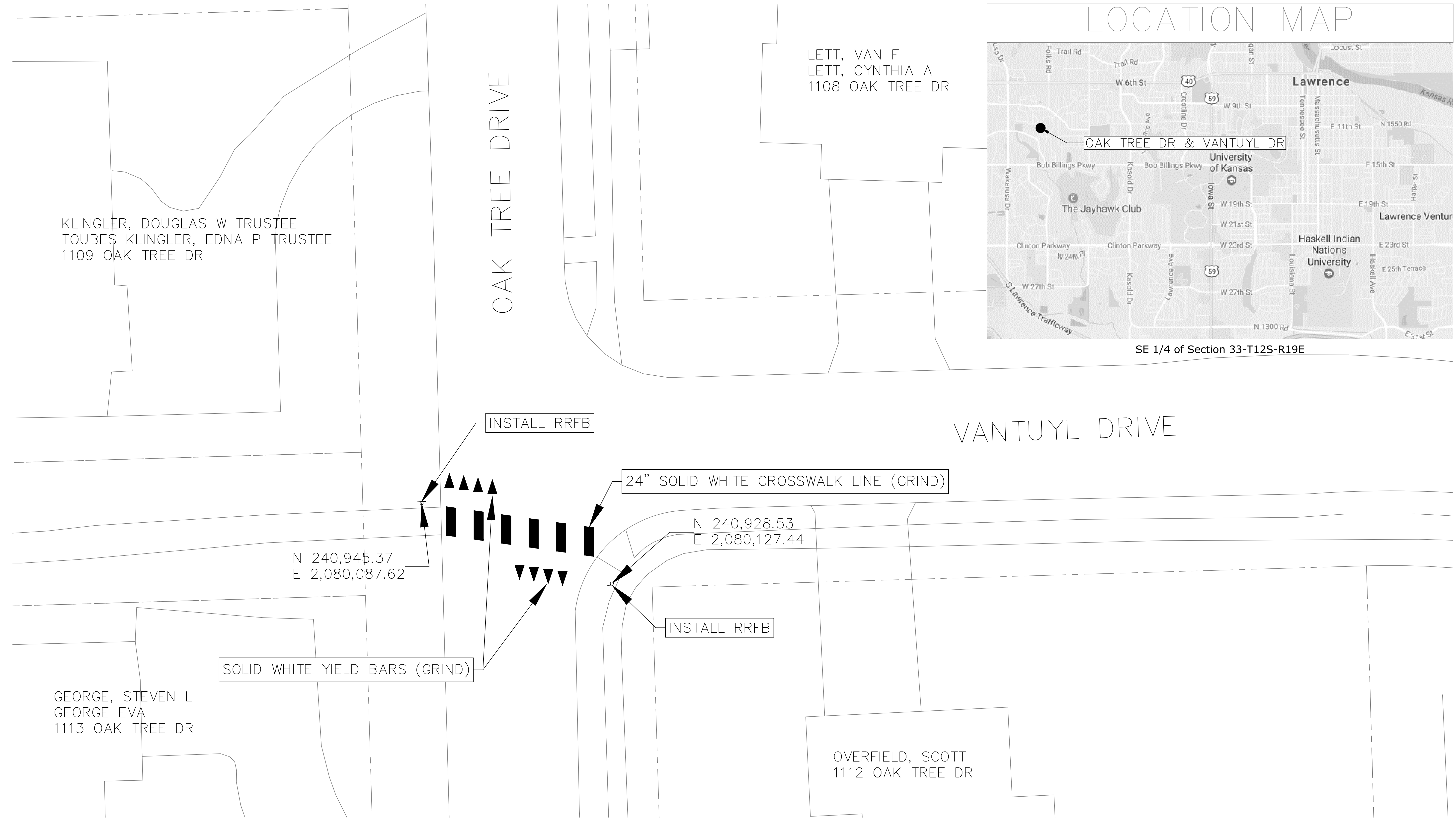
CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
INVERNESS DRIVE & CARMEL DRIVE
 PROJECT NO. PW1614

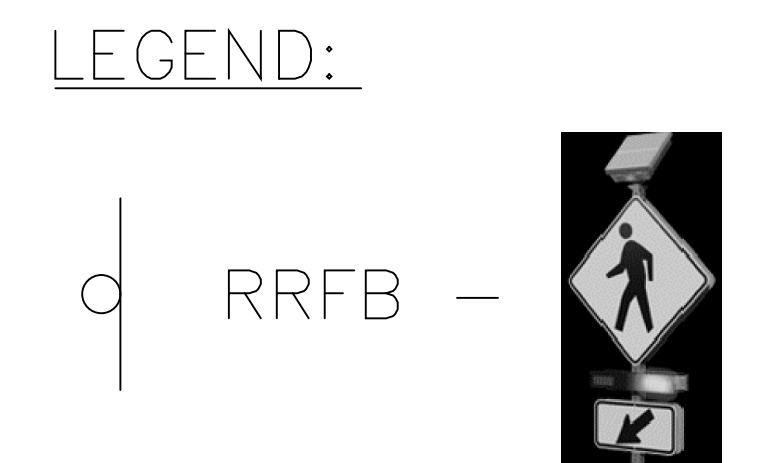
DAVID P. CRONIN <small>CITY ENGINEER</small>	THOMAS M. MARKUS <small>CITY MANAGER</small>
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SE 1/4 of Section 33-T12S-R19E



- NOTES:**
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.



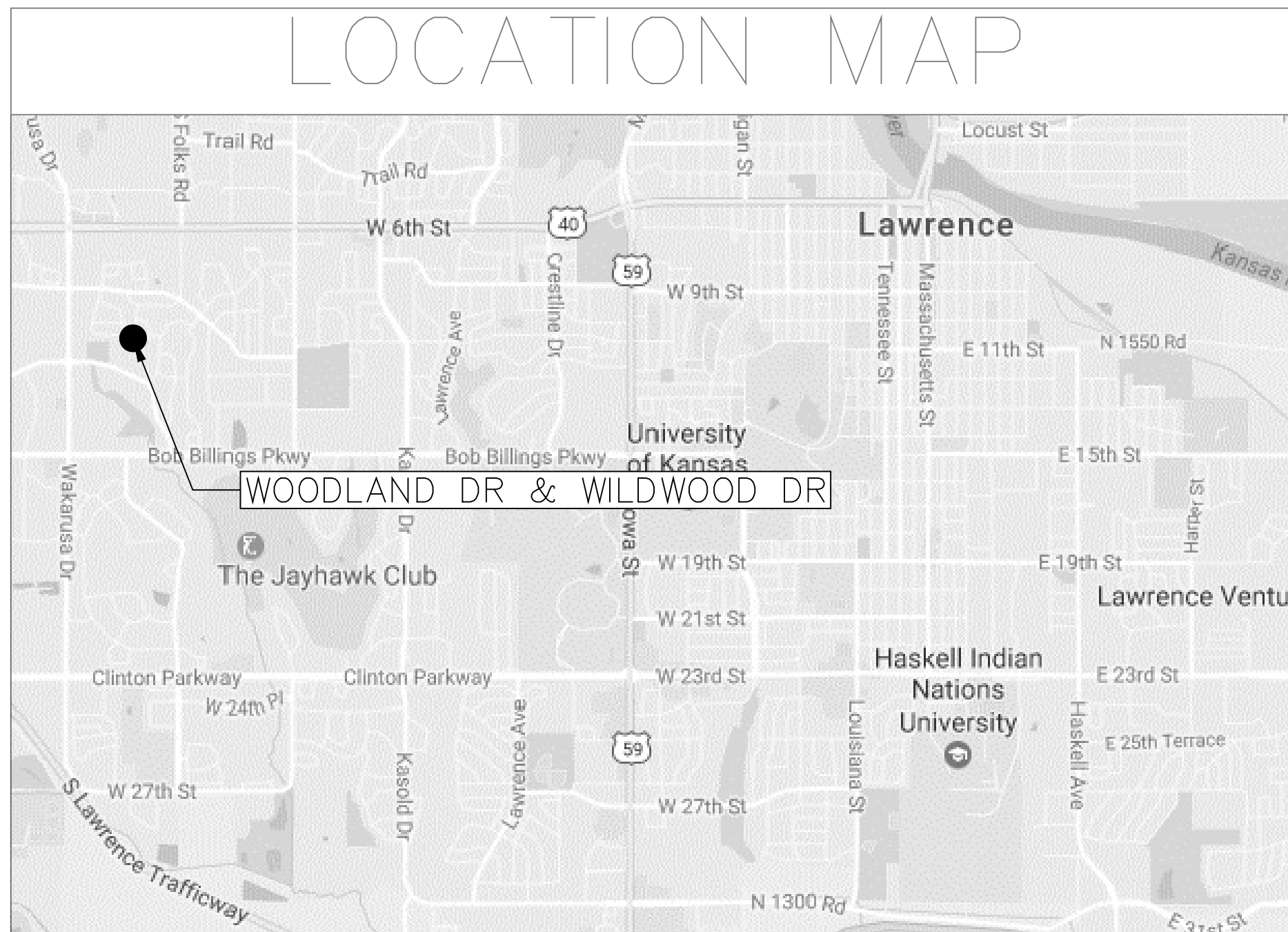
SHEET 8 OF 45

DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
 RRFB CROSSWALK
 OAK TREE DRIVE & VANTUYL DRIVE
 PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER	THOMAS M. MARKUS CITY MANAGER
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NE 1/4 of Section 33-T12S-R19E

SHRACK, KENT B TRUSTEE
SHRACK, KAREN S TRUSTEE
1035 WILDWOOD DR

N 241,235.08
E 2,079,432.89

PODANY, ROBERT
PODANY, CHRISTINA
4620 WOODLAND DR

WILDWOOD DRIVE

WOODLAND DRIVE

24" SOLID WHITE CROSSWALK LINE (GRIND)

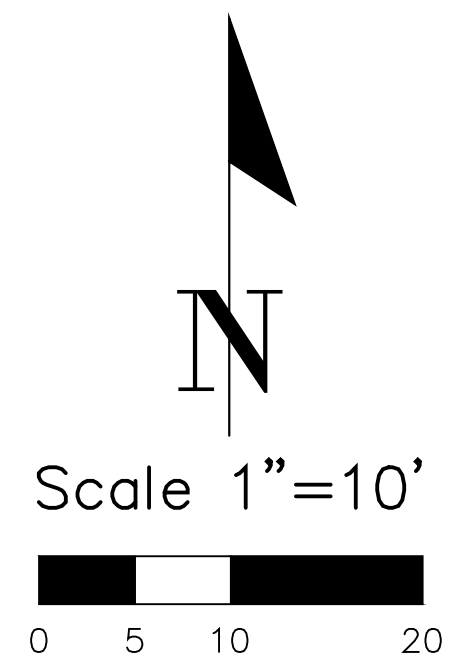
SOLID WHITE YIELD BARS (GRIND)

REMOVE AND REPLACE 8.7 S.Y. RAMP
SEE NOTE 3 FOR INFORMATION.

INSTALL RRFB

N 241,200.42
E 2,079,424.02

UNIFIED SCHOOL DIST #497
1130 INVERNESS DR



SHEET 9 OF 45

NOTES:

1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
2. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
3. CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.

LEGEND:



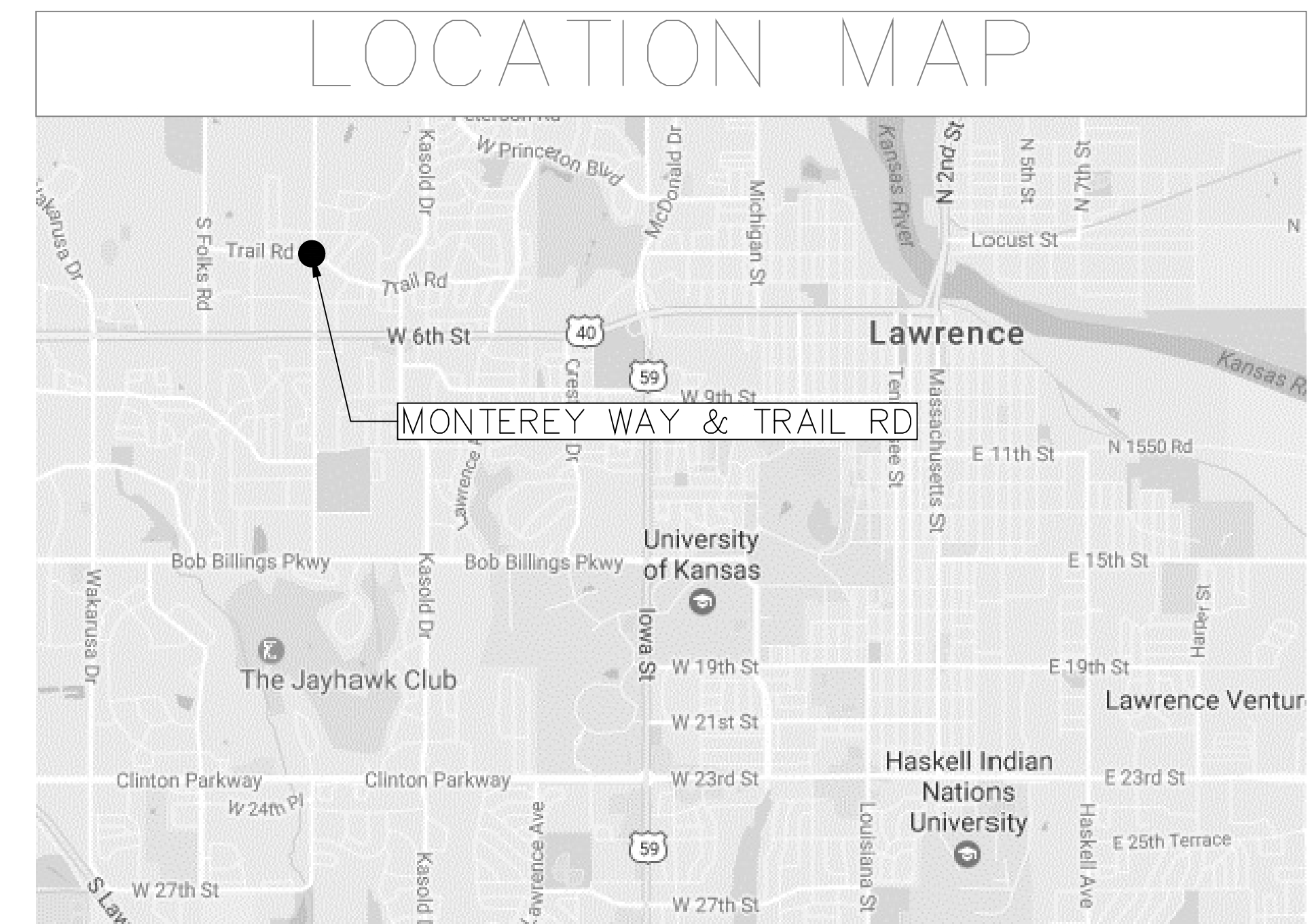
DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

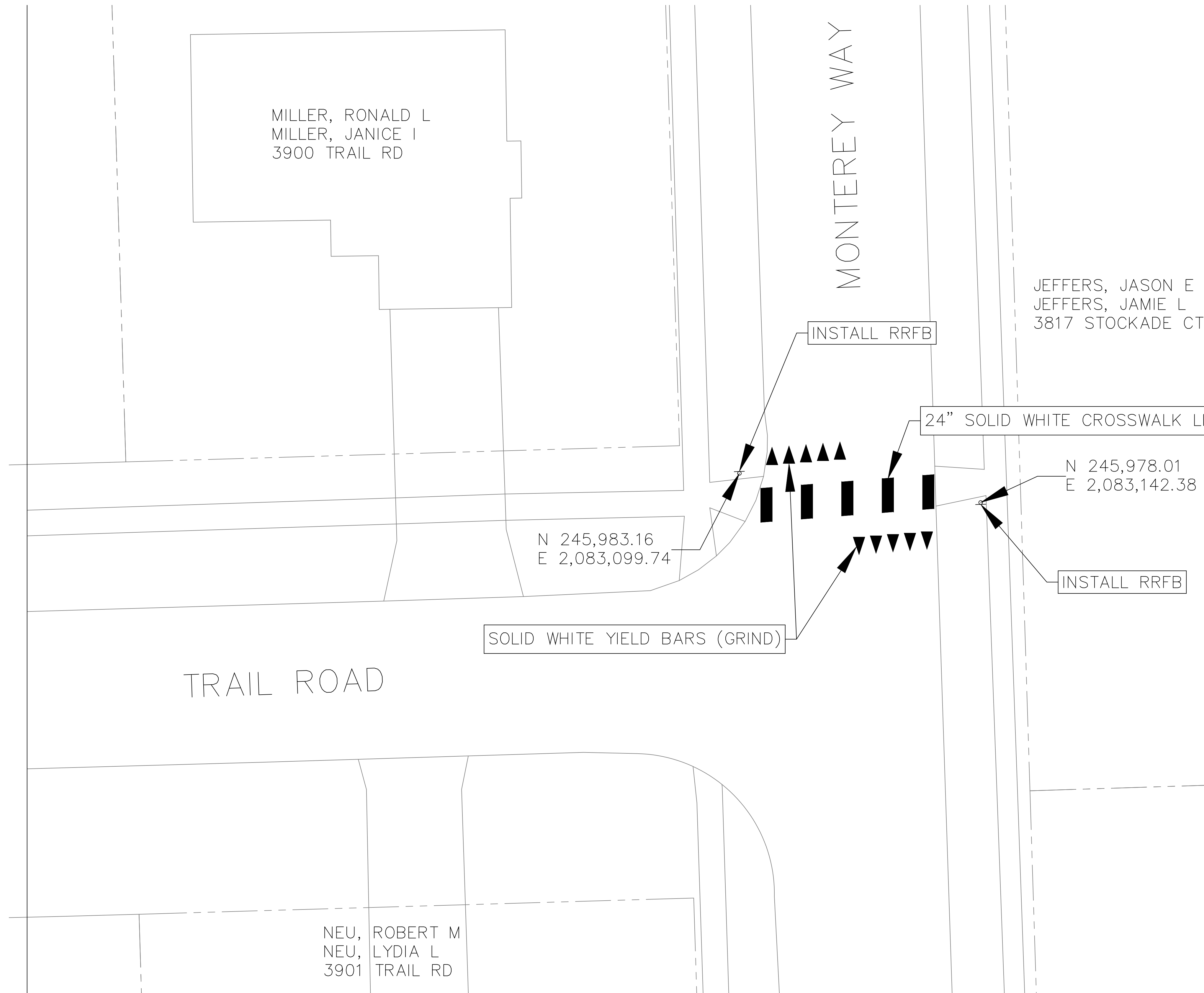
SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
WOODLAND DRIVE & WILDWOOD DRIVE
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	23 U-2305-01	2017	10	45



S 1/2 of Section 4-T13S-R19E



MILLER, RONALD L
MILLER, JANICE I
3900 TRAIL RD

JEFFERS, JASON E
JEFFERS, JAMIE L
3817 STOCKADE CT

N 245,983.16
E 2,083,099.74

N 245,978.01
E 2,083,142.38

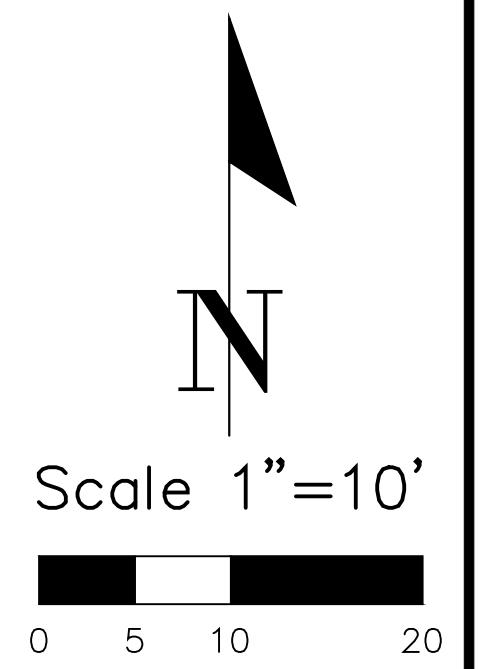
EVANS, JACOB W
EVANS, CHRISTINA JI
3816 TRAIL RD

NEU, ROBERT M
NEU, LYDIA L
3901 TRAIL RD

NOTES:

1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR CROSSWALK AND YIELD LINE PAVEMENT MARKINGS.
2. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.

LEGEND:



SHEET 10 OF 45

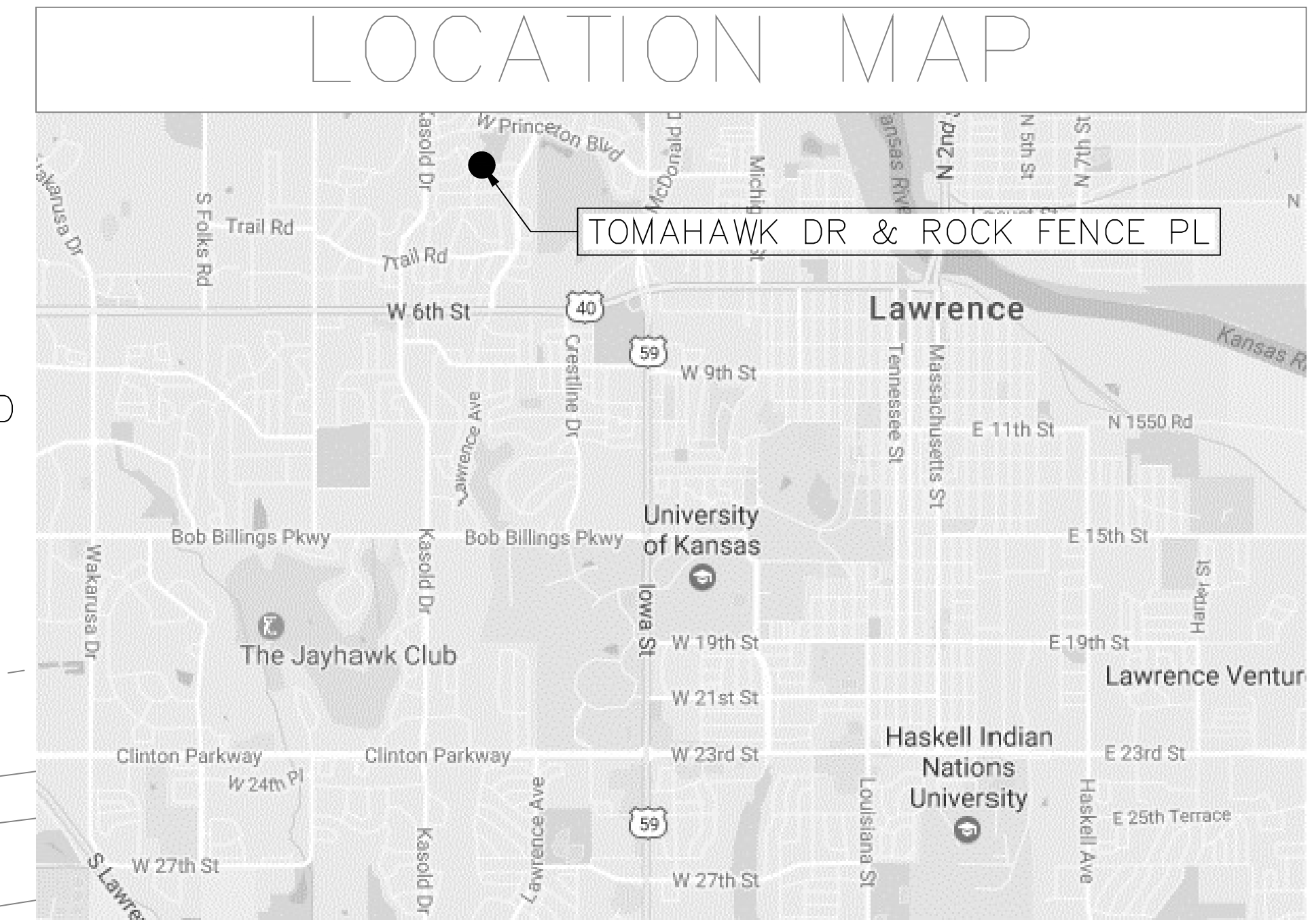
DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

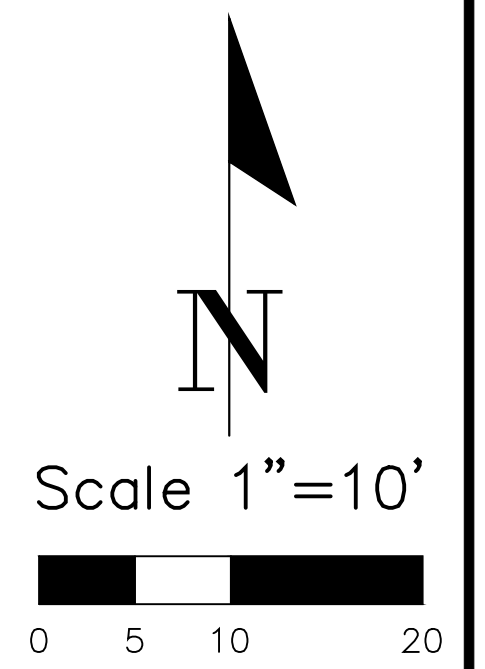
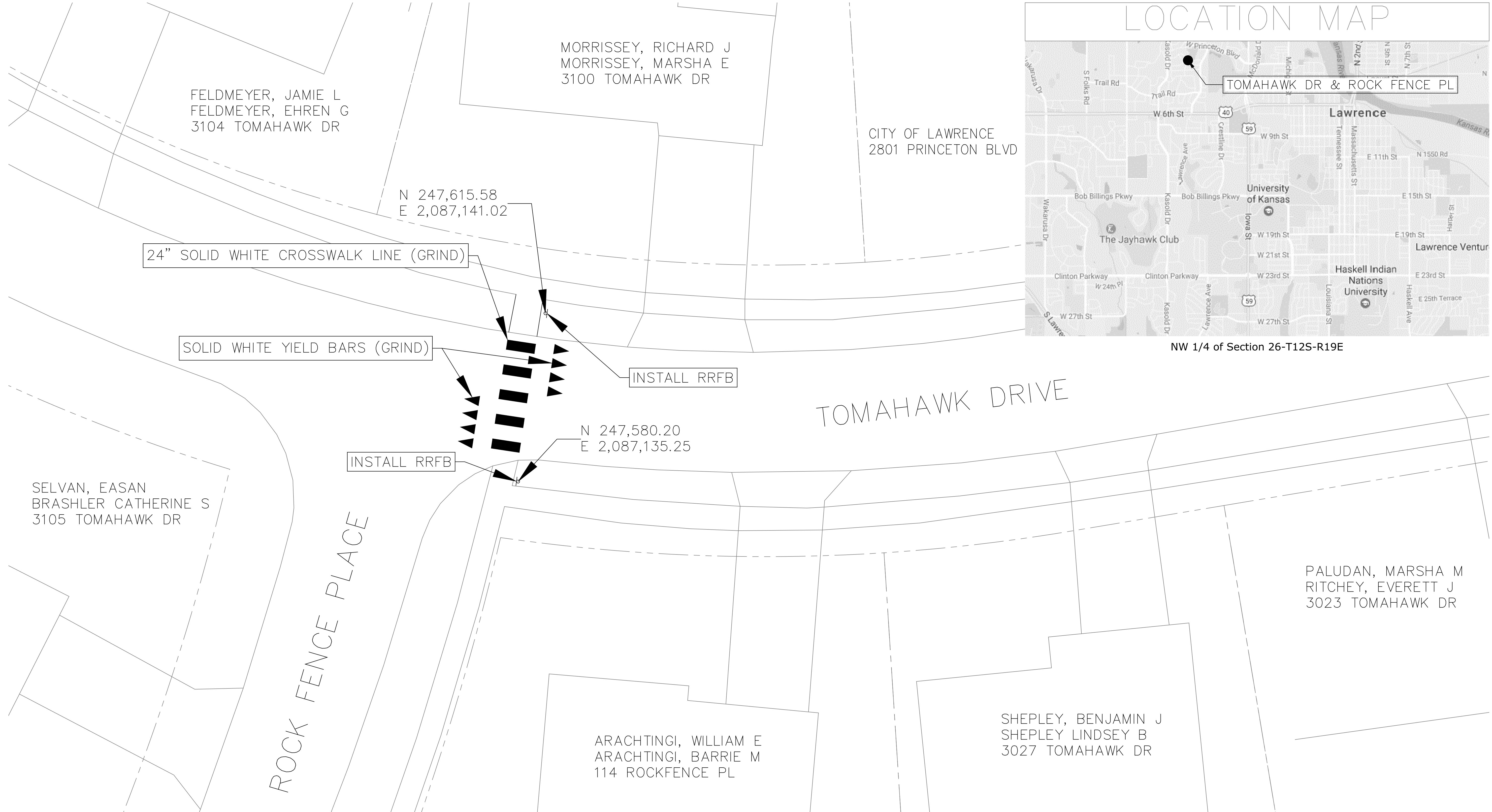
SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
MONTEREY WAY & TRAIL ROAD
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	23 U-2305-01	2017	11	45

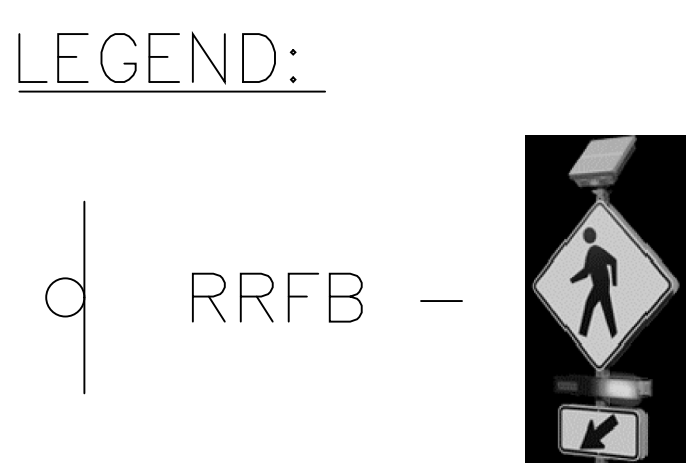


NW 1/4 of Section 26-T12S-R19E



SHEET 11 OF 45

- NOTES:**
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 2. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.

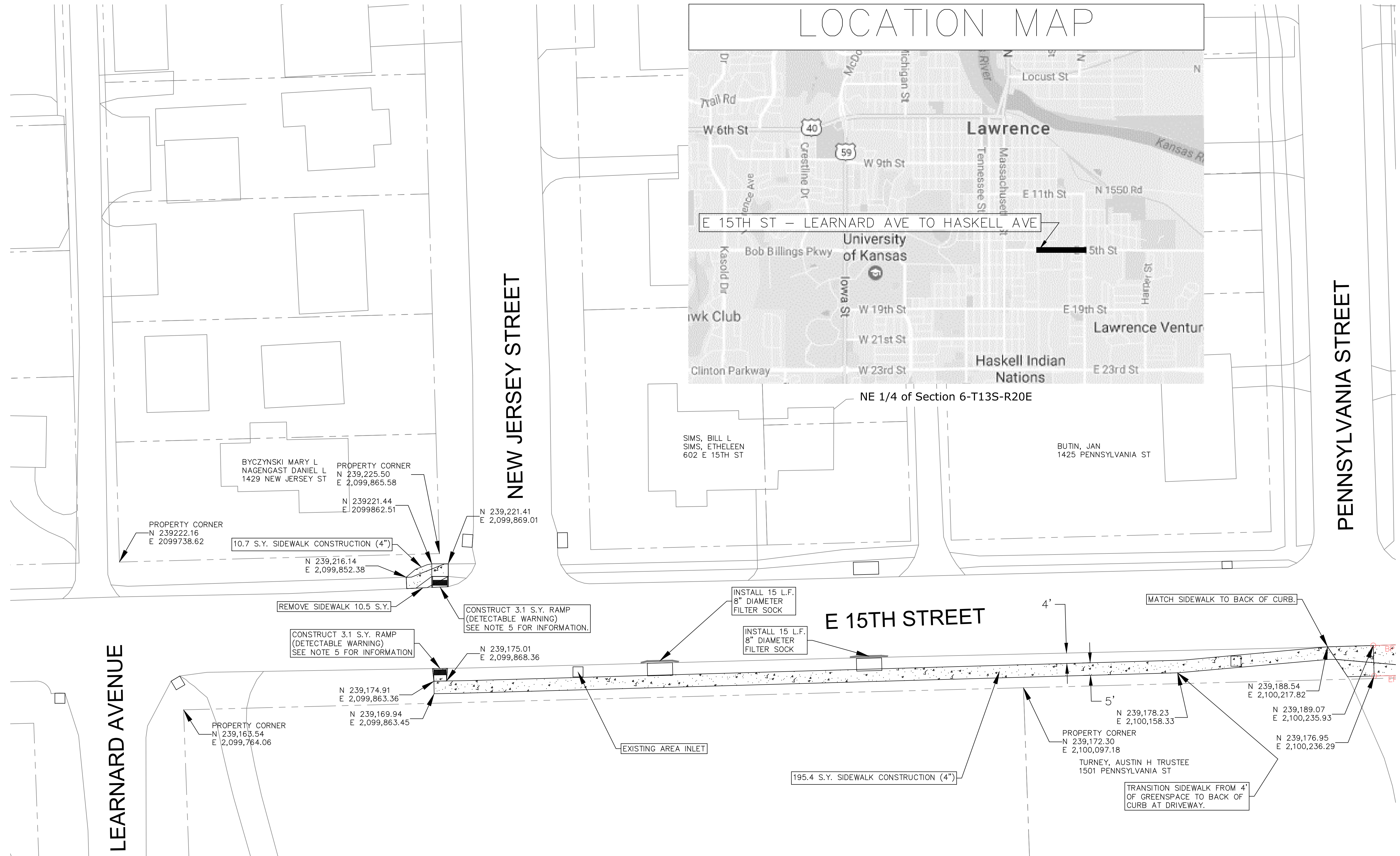


DATE	BY	REVISION

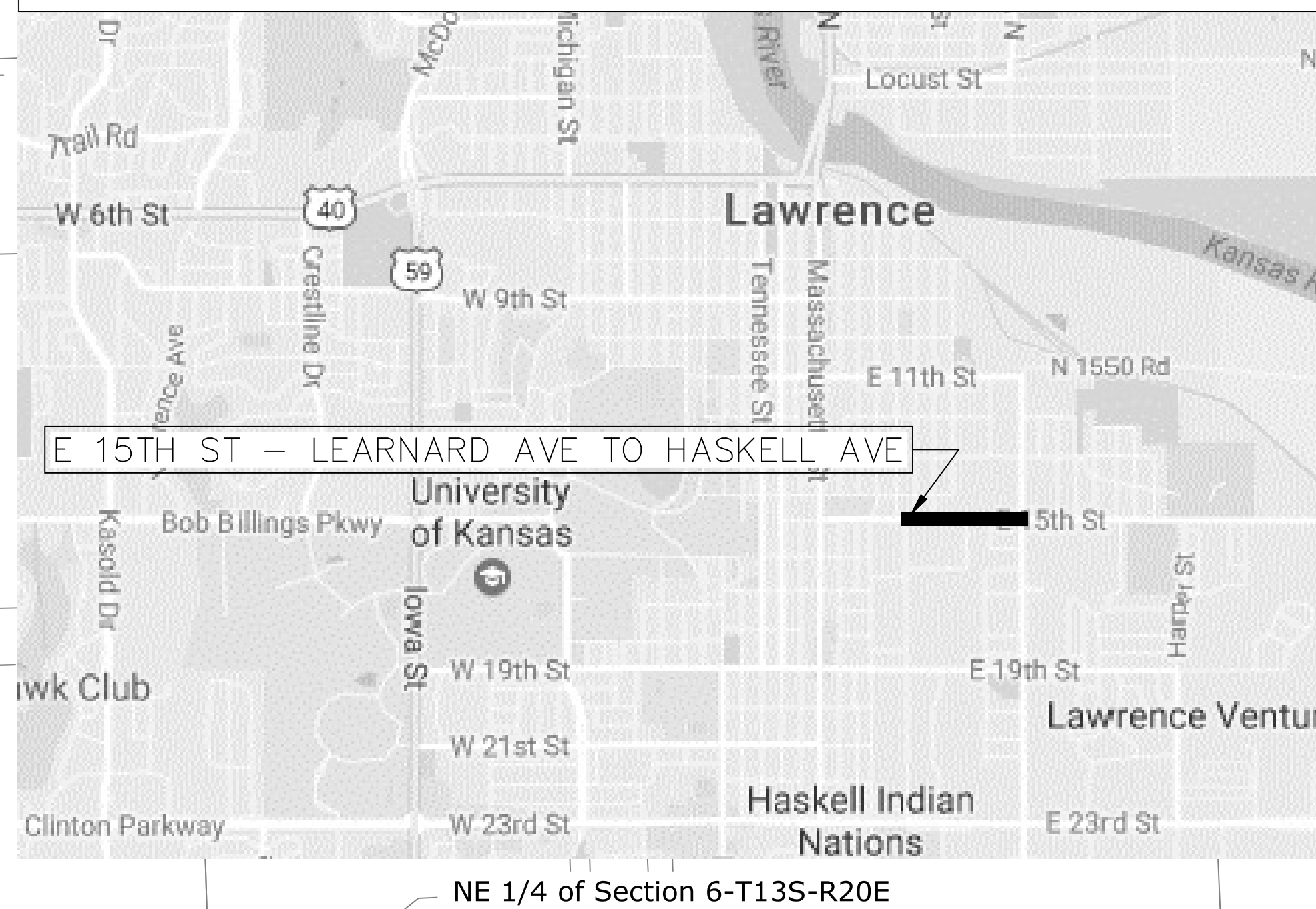
CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
RRFB CROSSWALK
ROCK FENCE PLACE & TOMAHAWK DRIVE
 PROJECT NO. PW1614

DAVID P. CRONIN <small>CITY ENGINEER</small>	THOMAS M. MARKUS <small>CITY MANAGER</small>
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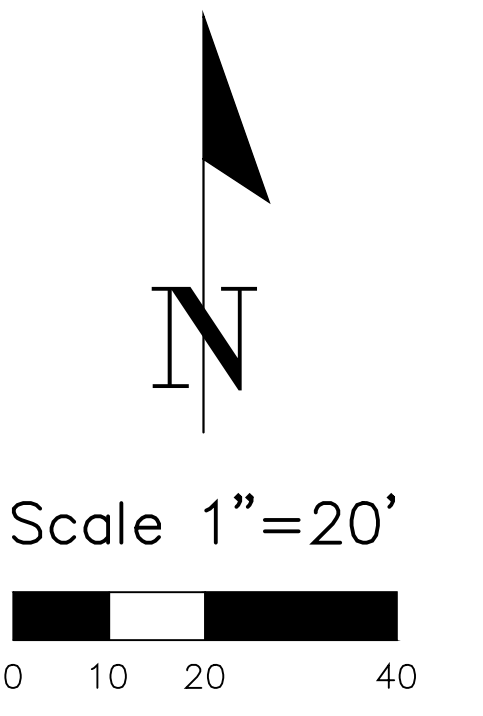


LOCATION MAP



NOTES:

- SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
- INTEGRAL WALL AND SIDEWALK CONSTRUCTION TO BE PAID FOR AS (CONCRETE)(GRADE 3.0)(AE) AND (REINFORCING STEEL GRADE 60).
- SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
- WALL HEIGHT TO TAPER FROM 6" TO 2' IN FIRST AND LAST 5 L.F. OF CONSTRUCTION.
- CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.



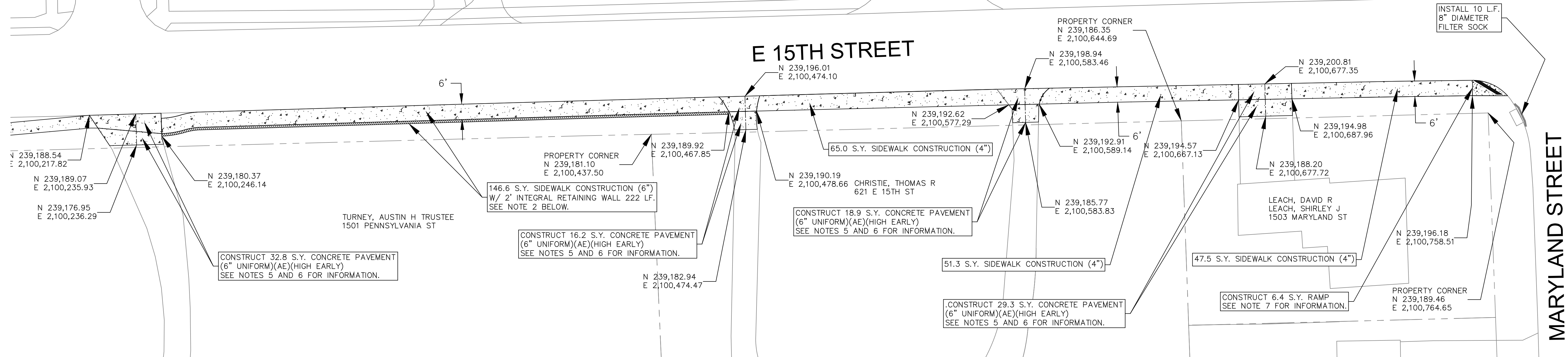
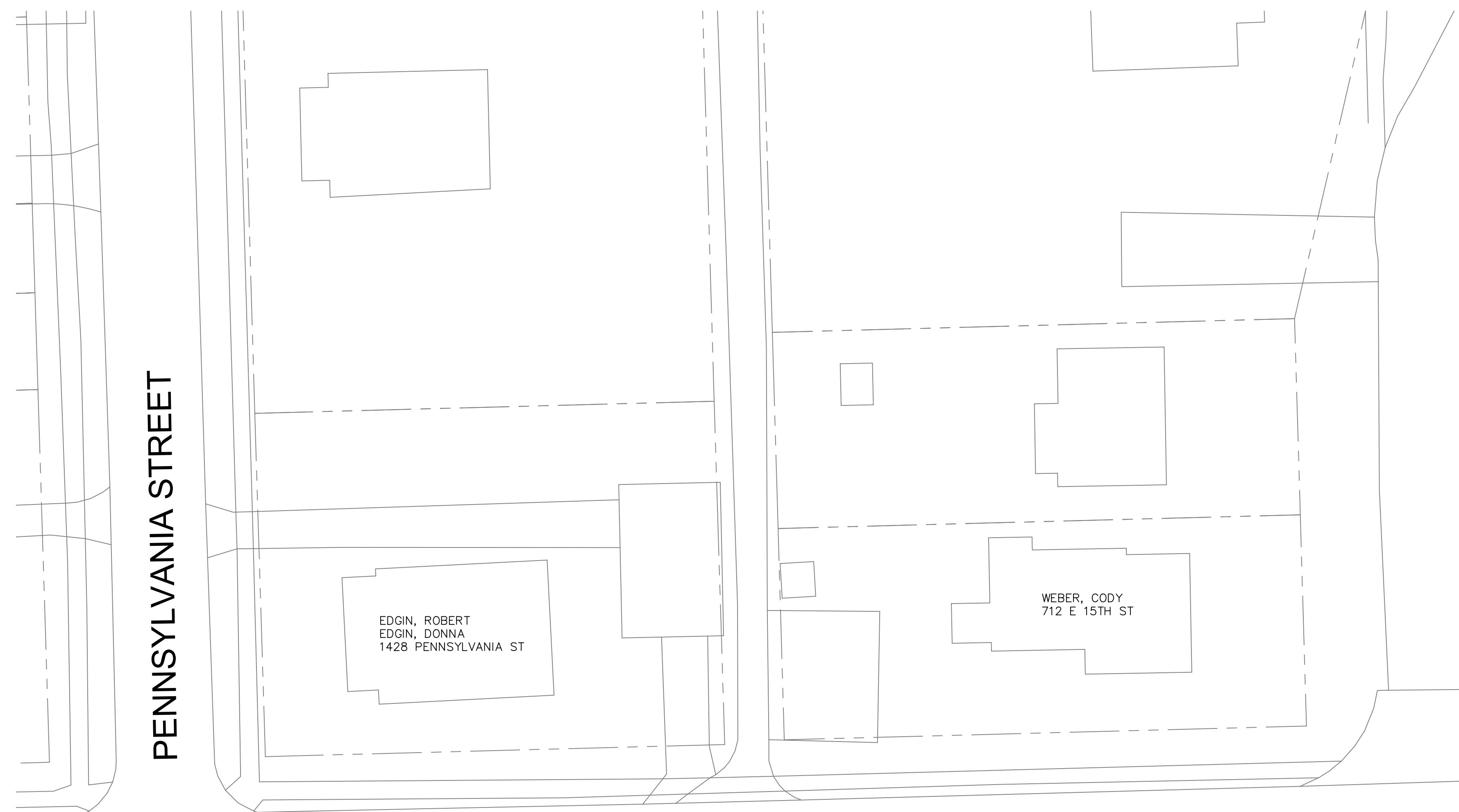
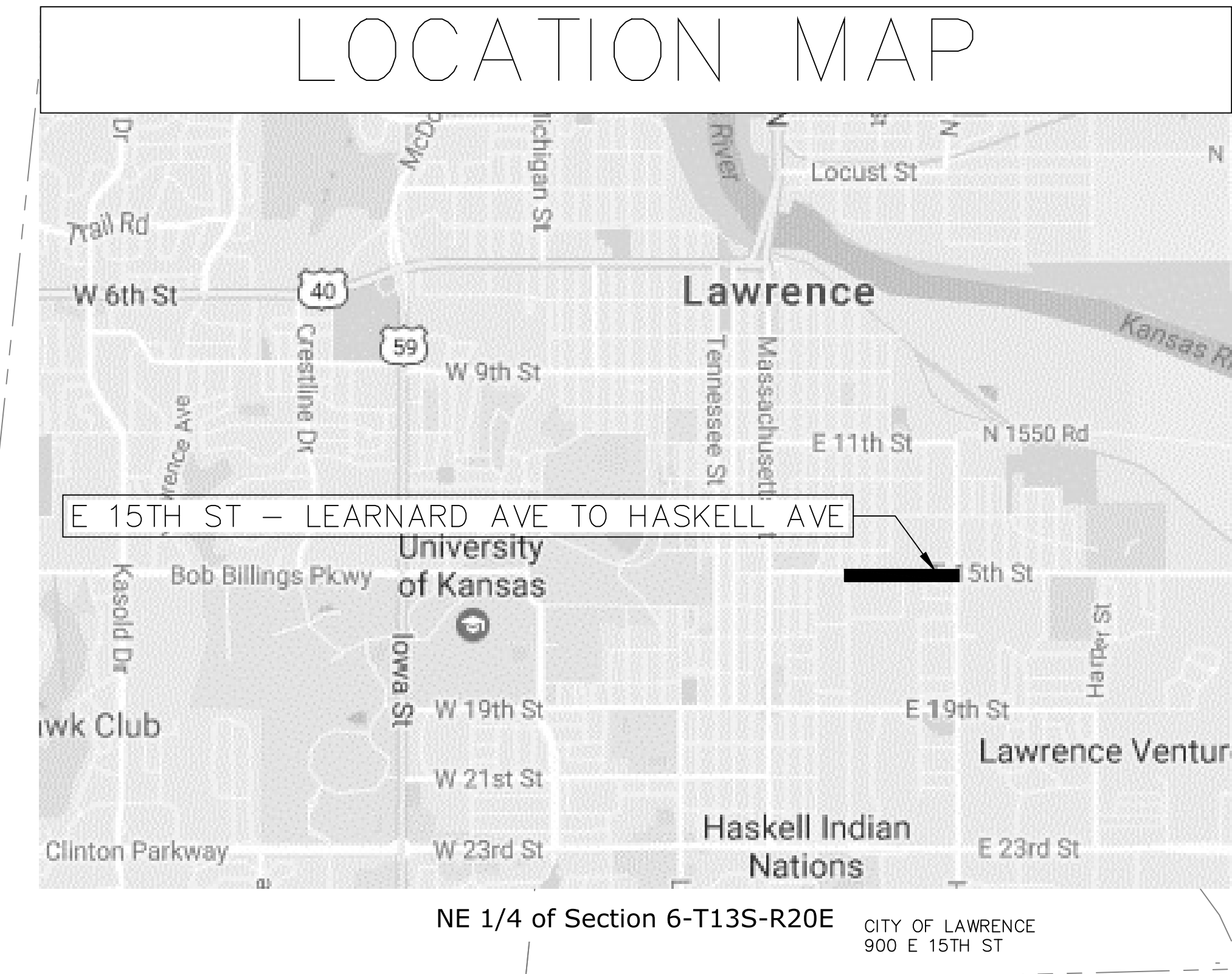
SHEET 12 OF 45

DATE	BY	REVISION

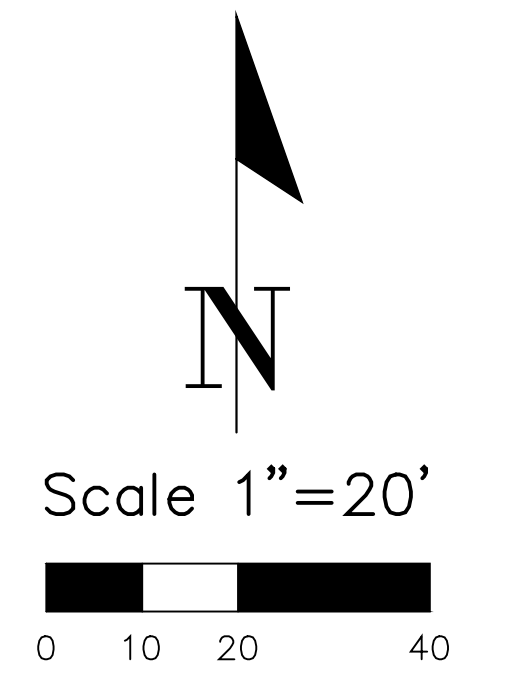
CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
SIDEWALK
E 15TH STREET - LEARNARD AVENUE TO PENNSYLVANIA STREET
 PROJECT NO. PW1614

DAVID P. CRONIN THOMAS M. MARKUS
CITY ENGINEER CITY MANAGER



- NOTES:
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
 - INTEGRAL WALL AND SIDEWALK CONSTRUCTION TO BE PAID FOR AS (CONCRETE)(GRADE 3.0)(AE) AND (REINFORCING STEEL GRADE 60).
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
 - WALL HEIGHT TO TAPER FROM 6" TO 2' IN FIRST AND LAST 5 L.F. OF CONSTRUCTION.
 - COORDINATE DRIVEWAY RECONSTRUCTION WITH EACH INDIVIDUAL PROPERTY OWNER.
 - FOR DRIVEWAY PROFILES, SEE SHEET 20.
 - CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.



SHEET 13 OF 45

SIDEWALK
E 15TH ST - LEARNARD AVE TO HASKELL AVE

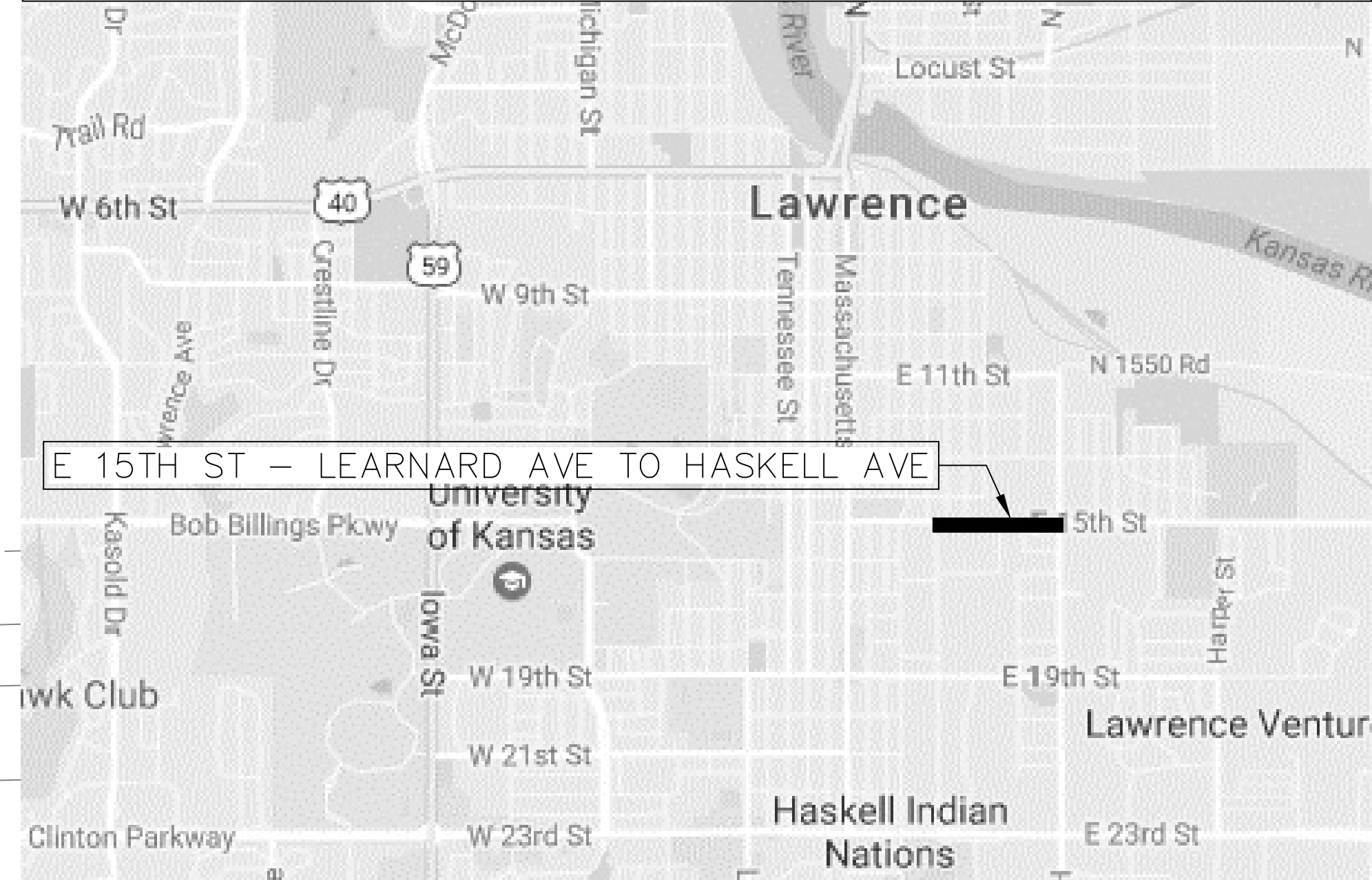
DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

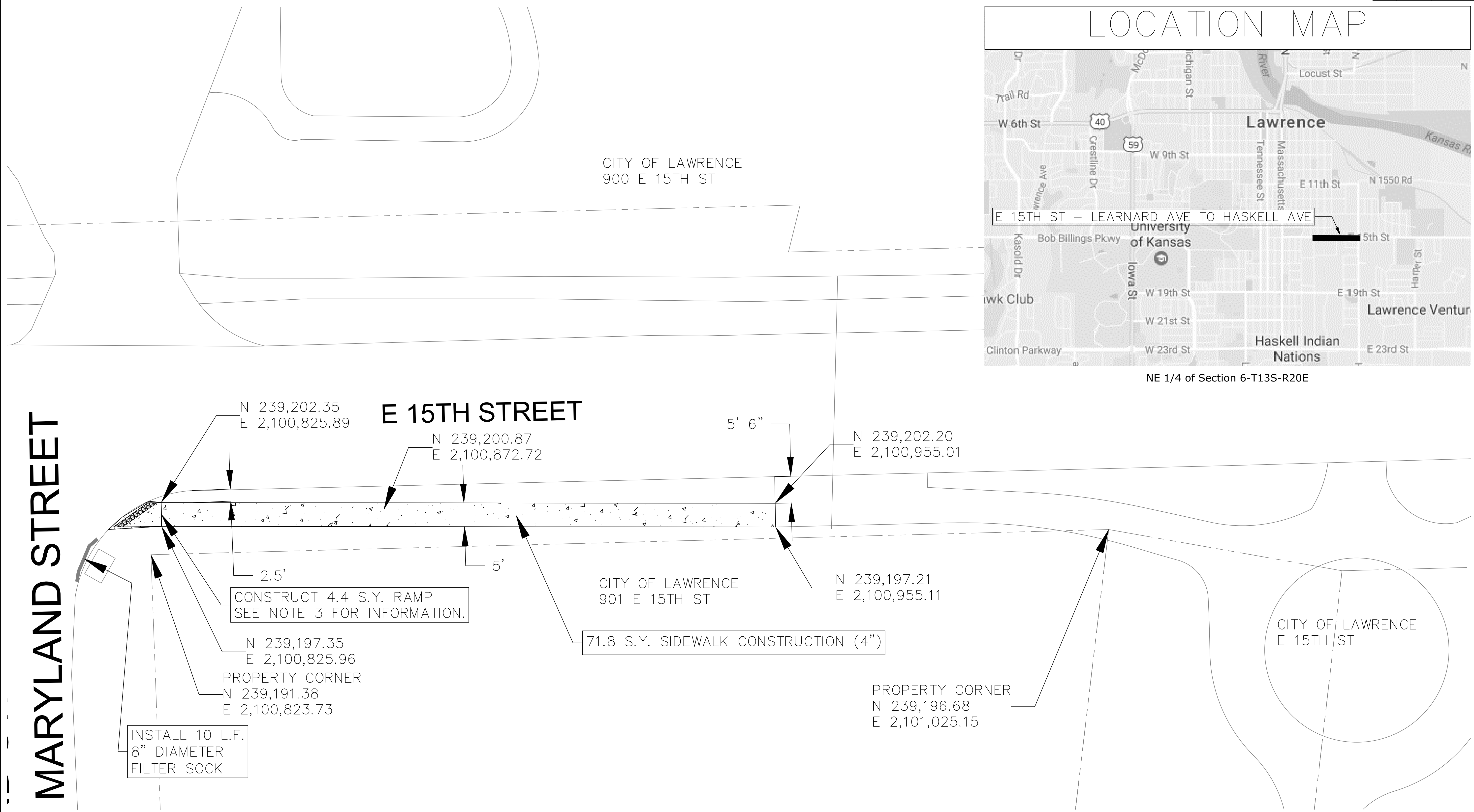
SAFE ROUTES TO SCHOOL
SIDEWALK
E 15TH STREET - PENNSYLVANIA STREET TO MARYLAND STREET
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER

LOCATION MAP



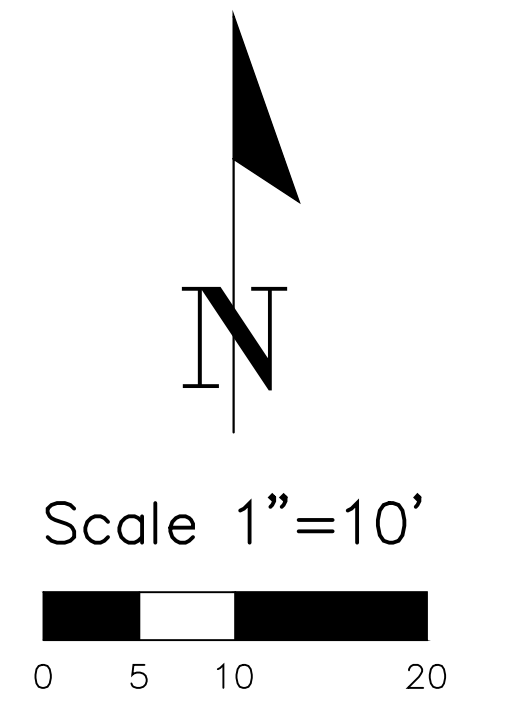
NE 1/4 of Section 6-T13S-R20E



MARYLAND STREET

E 15TH STREET

- NOTES:**
1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
 2. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
 3. CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.



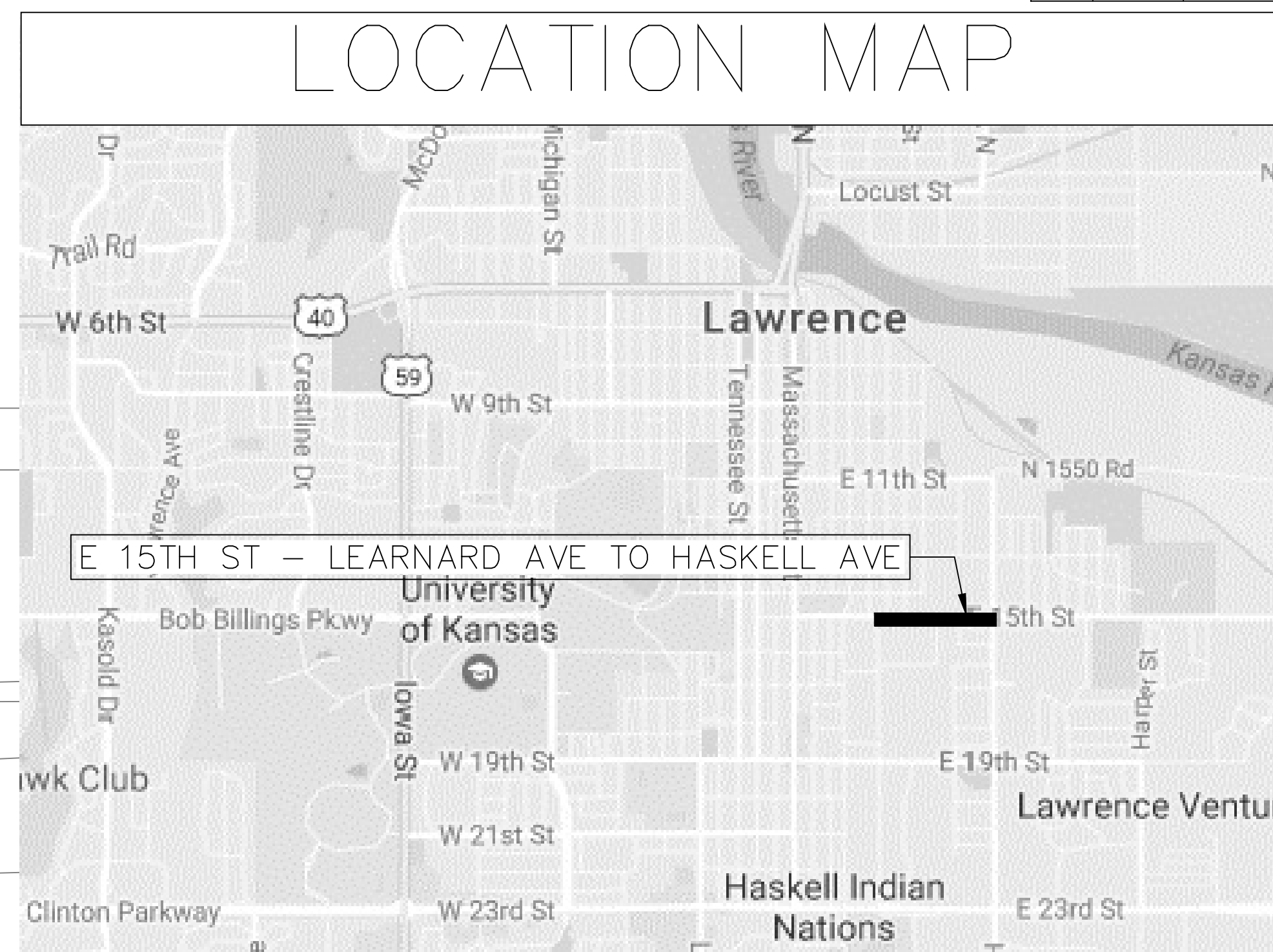
SHEET 14 OF 45

DATE	BY	REVISION

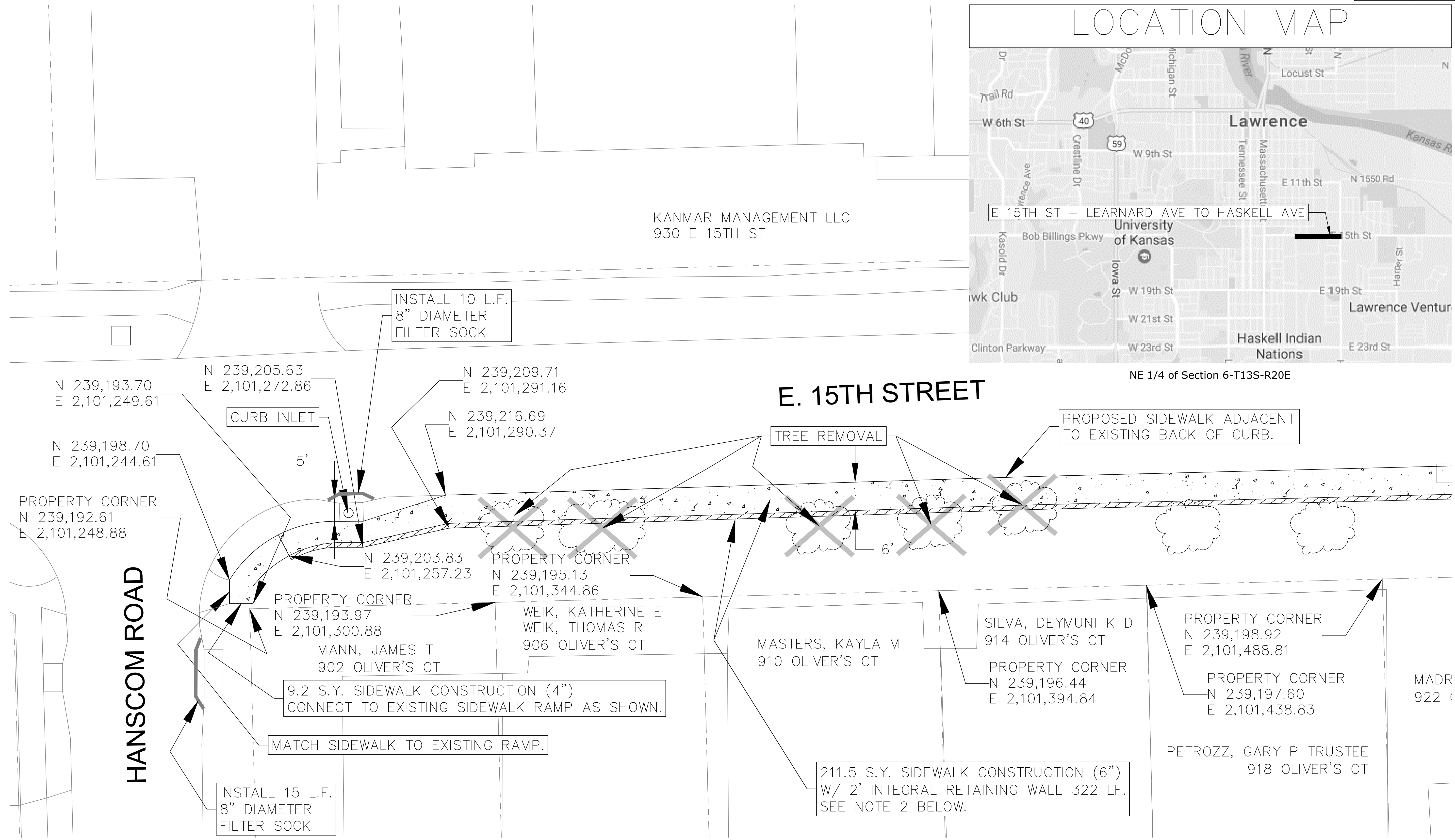
CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
SIDEWALK
E 15TH STREET - MARYLAND STREET EAST
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER THOMAS M. MARKUS CITY MANAGER

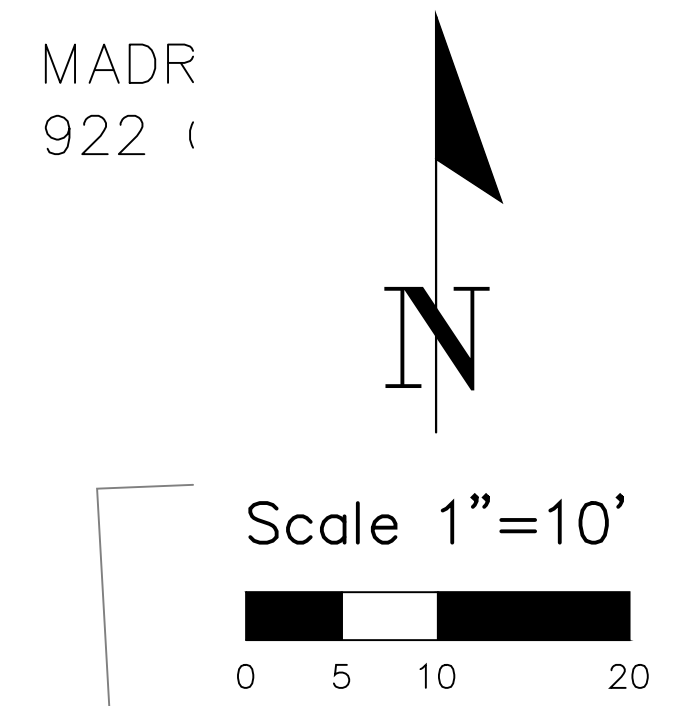


KANMAR MANAGEMENT LLC
930 E 15TH ST



NOTES:

1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
2. INTEGRAL WALL AND SIDEWALK CONSTRUCTION TO BE PAID FOR AS (CONCRETE)(GRADE 3.0)(AE) AND (REINFORCING STEEL GRADE 60).
3. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
4. WALL HEIGHT TO TAPER FROM 6" TO 2' IN FIRST AND LAST 5 L.F. OF CONSTRUCTION.
5. TREE REMOVAL TO BE SUBSIDIARY TO "CLEARING AND GRUBBING" BID ITEM.

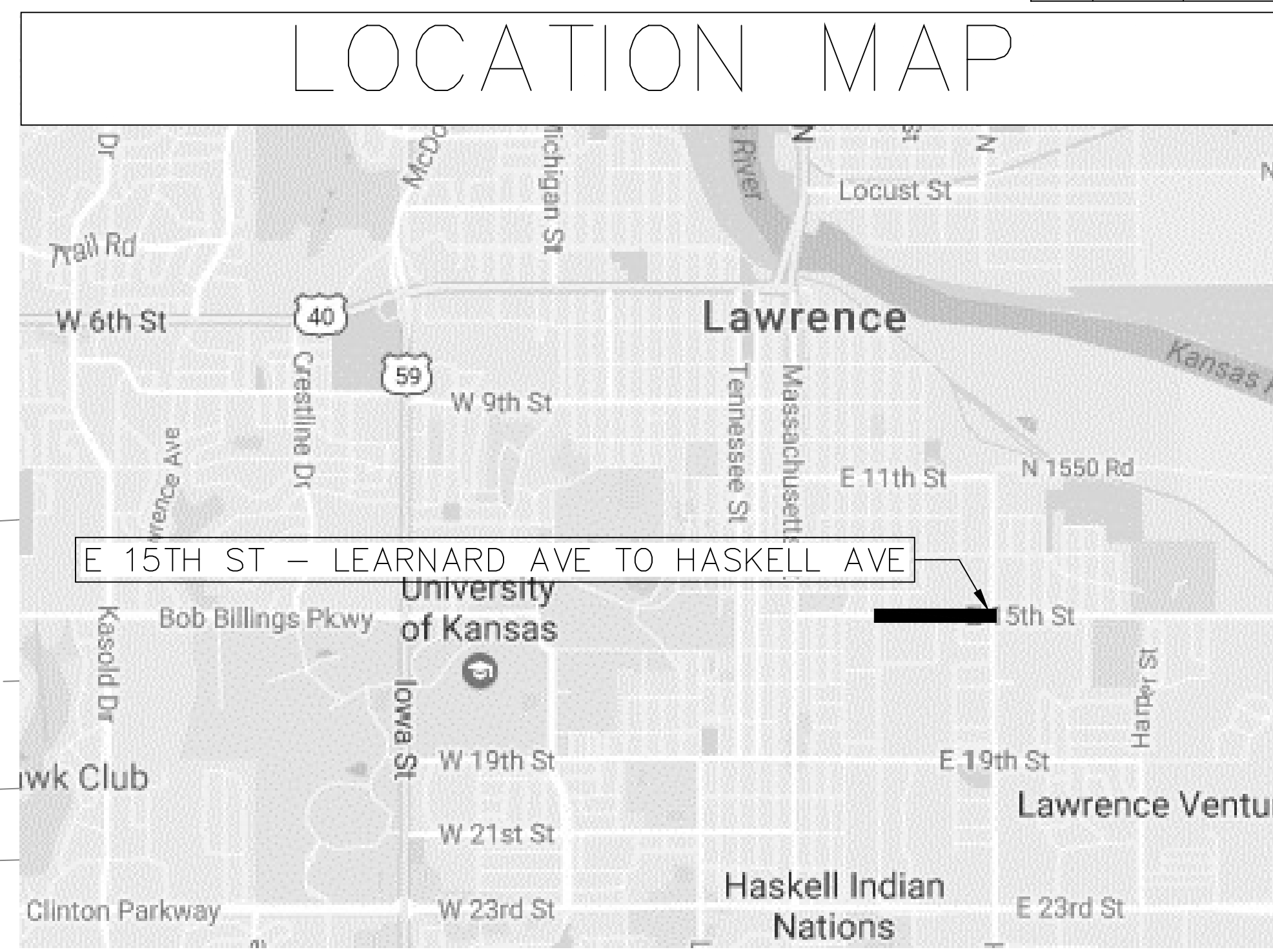


DATE	BY	REVISION

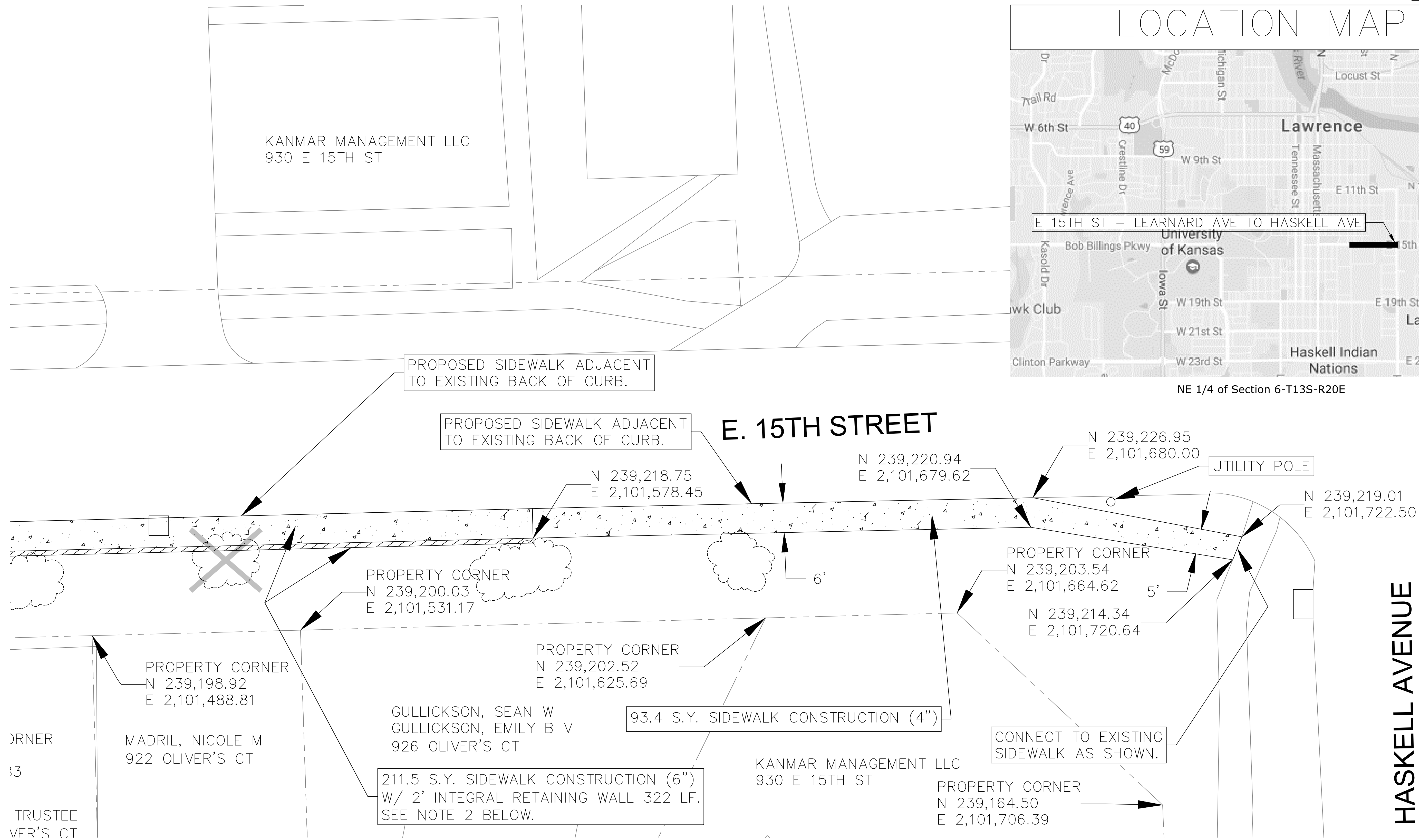
CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
SIDEWALK
E 15TH STREET - HANSCOM ROAD TO HASKELL AVENUE (1 OF 2)
 PROJECT NO. PW1614

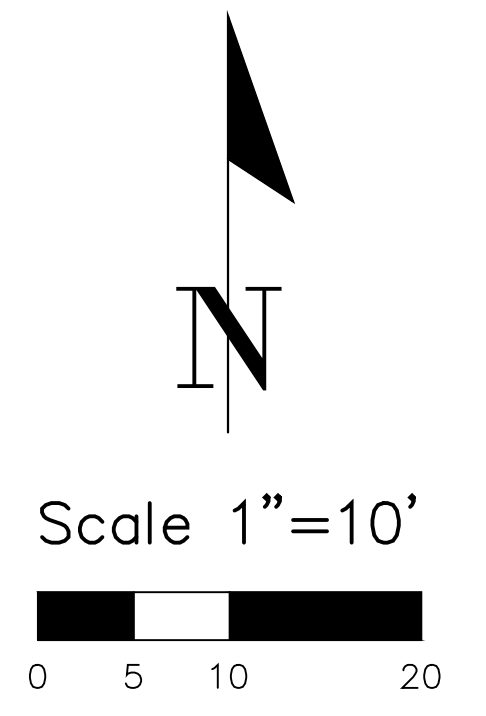
DAVID P. CRONIN <small>CITY ENGINEER</small>	THOMAS M. MARKUS <small>CITY MANAGER</small>
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NE 1/4 of Section 6-T13S-R20E



HASKELL AVENUE



SHEET 16 OF 45

NOTES:

1. SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
2. INTEGRAL WALL AND SIDEWALK CONSTRUCTION TO BE PAID FOR AS (CONCRETE)(GRADE 3.0)(AE) AND (REINFORCING STEEL GRADE 60).
3. SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
4. WALL HEIGHT TO TAPER FROM 6" TO 2' IN FIRST AND LAST 5 L.F. OF CONSTRUCTION.

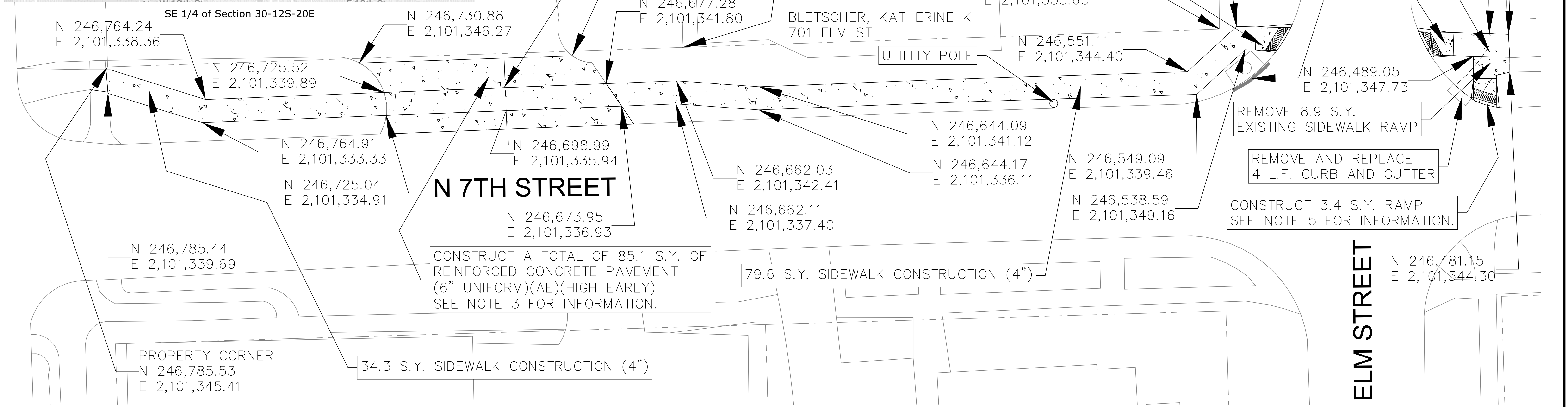
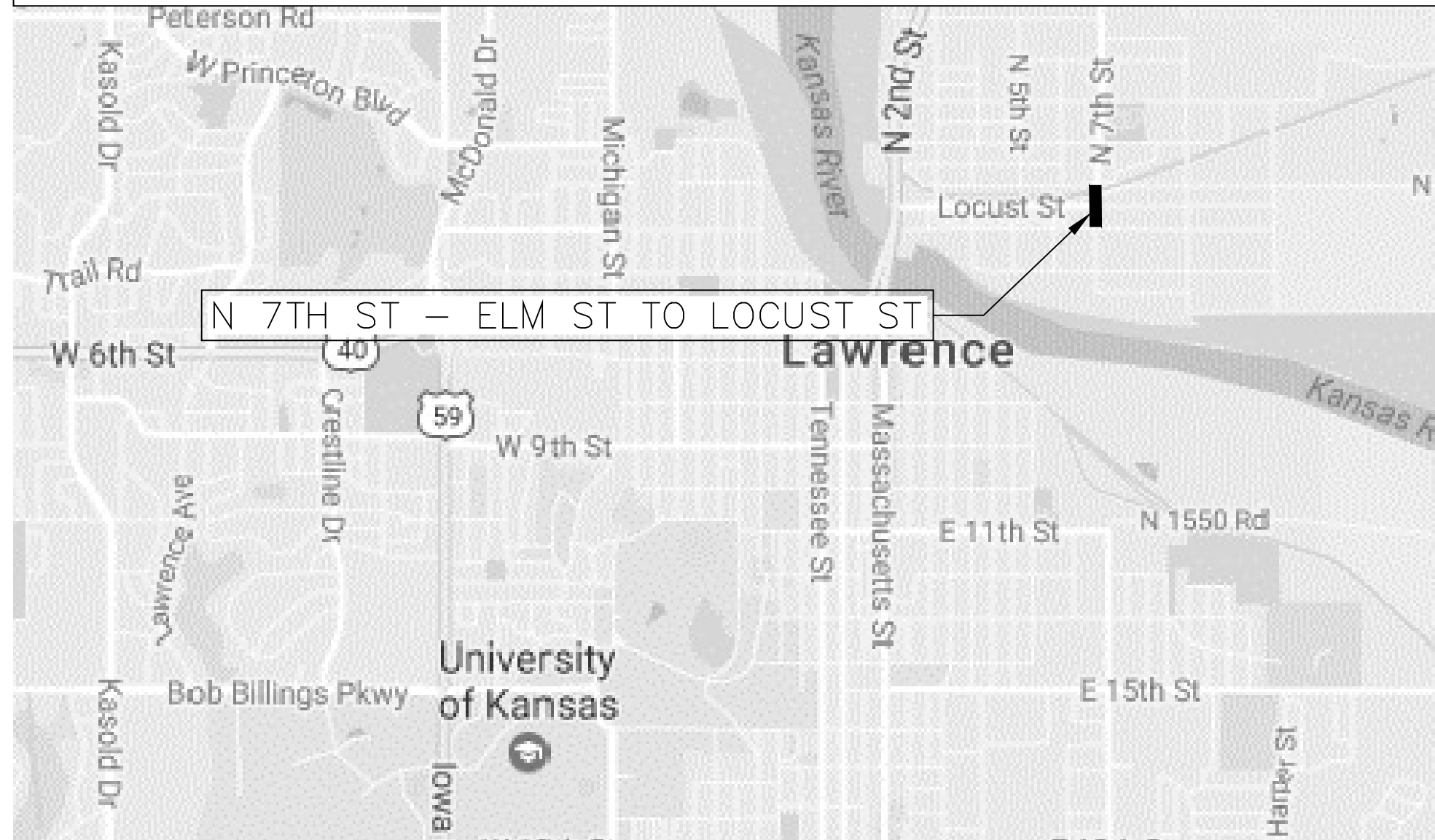
DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
ENGINEERING DIVISION OF PUBLIC WORKS

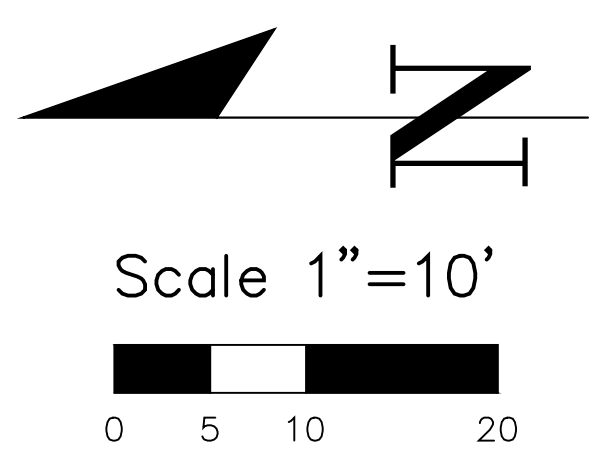
SAFE ROUTES TO SCHOOL
SIDEWALK
E 15TH STREET - HANSCOM ROAD TO HASKELL AVENUE (2 OF 2)
PROJECT NO. PW1614

DAVID P. CRONIN THOMAS M. MARKUS
CITY ENGINEER CITY MANAGER

LOCATION MAP



- NOTES:**
- SEE CITY OF LAWRENCE STANDARD DETAIL FOR ACCESS RAMP AND SIDEWALK DETAILS.
 - SEE SHEET 21 FOR SUMMARY OF QUANTITIES.
 - COORDINATE DRIVEWAY RECONSTRUCTION WITH EACH INDIVIDUAL PROPERTY OWNER.
 - INSTALL TEMPORARY FENCING ON RIGHT-OF-WAY LINE WHERE IT CROSSES EXISTING DRIVEWAYS.
 - CURB AND GUTTER REMOVAL RELATED TO SIDEWALK RAMP INSTALLATION IS PAID FOR AS "ROCK EXCAVATION". NEW CURB AND GUTTER INSTALLATION SHALL BE CONSIDERED SUBSIDIARY TO THE "SIDEWALK RAMP" BID ITEM.



SHEET 17 OF 45

DATE	BY	REVISION

CITY OF LAWRENCE, KANSAS
 ENGINEERING DIVISION OF PUBLIC WORKS

SAFE ROUTES TO SCHOOL
SIDEWALK
NORTH 7TH STREET - ELM STREET TO LOCUST STREET
PROJECT NO. PW1614

DAVID P. CRONIN CITY ENGINEER	THOMAS M. MARKUS CITY MANAGER
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