

**GENERAL NOTES:**

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One-Call 1-316-687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-8464  
 Black Hills Energy 1-800-694-8989  
 City of Wichita Water 1-316-268-4555  
 City of Wichita Sewer 1-316-268-4073  
 City of Wichita Stormwater 1-316-268-4090  
 City of Wichita Traffic 1-316-268-4034  
 Cox Communications 1-888-249-3530  
 Kansas Gas Service 1-888-482-4950  
 Westar Energy 1-800-544-4857

3. Utility service lines, poles, etc. 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 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. Rubble from the removal of 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, in the opinion of the Engineer, that 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 if the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits will require additional archeological investigations unless buried in a previously approved borrow location.

5. 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.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

7. 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 licensed land surveyor in accordance with state laws.

8. The Water Distribution Division 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, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valves boxes and water meters within the project limits shall be adjusted to match field grades.

9. The Contractor shall notify the consultant engineer and Tom Mason with the City at 316-268-4574 with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.

10. If traffic is impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractor's responsibility.

11. All elevations shown are NAVD 88.

12. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

13. All existing pavement and curb and gutter within the construction limits shall be saw cut, full depth, to the lines shown on the plans, or to the nearest joint, and removed, unless otherwise noted. If removal limits are within three feet of a joint, remove to the joint.

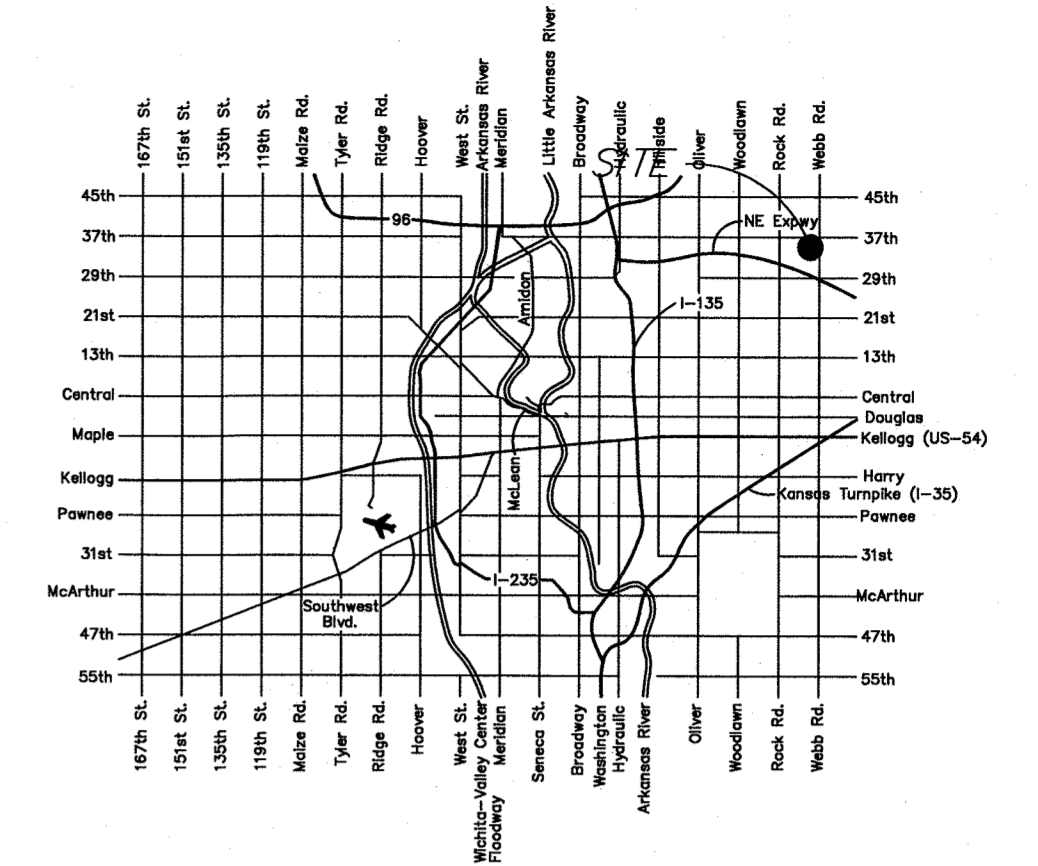
14. All traffic control devices in the work zone (including markings and signs) and their installation and maintenance shall comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All traffic control devices in the traveled way or clear zone shall be crashworthy (NCHRP Report 350 or MASH compliant). [http://safety.fhwa.dot.gov/roadway\\_dept/policy\\_guide/road\\_hardware/wzd](http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/wzd)

15. All construction equipment, including vehicles, materials, and debris, shall be stored outside of the clear zone. Where this cannot be achieved the contractor shall place appropriate signs, object identifiers, and/or barricades in compliance with the MUTCD.

16. Except when required for safety, traffic control shall not block any lanes or sidewalks when work is not being performed.

**PAVING IMPROVEMENTS  
 to serve Rawand Estates  
 CITY OF WICHITA, KANSAS**

Gary Janzen, P.E., City Engineer  
 0261 PPP (607861)



Vicinity Map

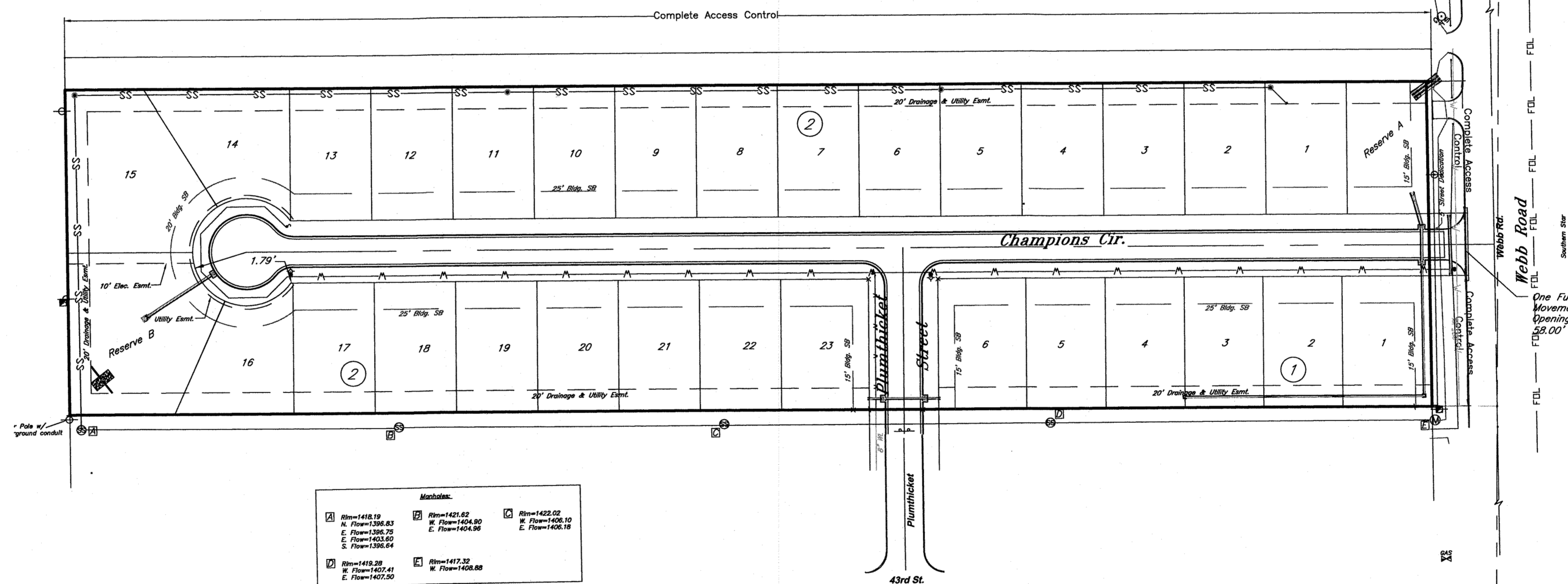
**Sheet Index:**

Cover Sheet	1.0
Lot Grading Plan	2.0
Paving Plan	3.0-3.3
Asphalt Paving Detail	4.0
Valley Gutter Detail	4.1
Curb Detail	4.2
Sign Detail	4.3
Cross Sections	5.0-5.2
Erosion Control BMP Details	6.0-6.4
(attached or available on City's website) Plat	7.0

**Benchmarks**

COW Benchmark NW corner of the intersection of Webb and 37th St. N. Elev.=1415.42 NAVD88

COW Benchmark NW corner of the intersection of Webb and 34th St. N. Elev.=1432.09 NAVD88



Markings		
1. R=1418.19 K. P=1396.83 E. P=1396.25 E. P=1403.60 E. P=1396.64	2. R=1421.62 K. P=1404.90 E. P=1404.90	3. R=1422.02 K. P=1406.10 E. P=1406.10
4. R=1419.28 K. P=1407.41 E. P=1407.90	5. R=1417.32 K. P=1428.88	

**AS BUILTS**

Contractor: <b>Flint Hills Materials and Pearson Construction</b> 2/22/2017	Project Inspector: Larry Gann  117 E. Lewis, Wichita, KS 67202 (316)264-0242
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APPROVED AS NOTED  
 BY WICHITA PUBLIC WORKS  
 ENGINEERING DIVISION

Engineering *Rebecca J. Tolle*

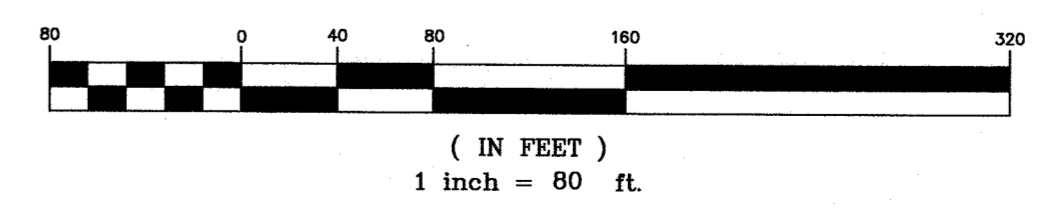
**NOTE TO CONTRACTORS**

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Solid inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the current City of Wichita Specifications and Standards and Special Provisions. (a file and available at Wichita.gov).

An approved copy of these plans signed by City staff are required on-site.

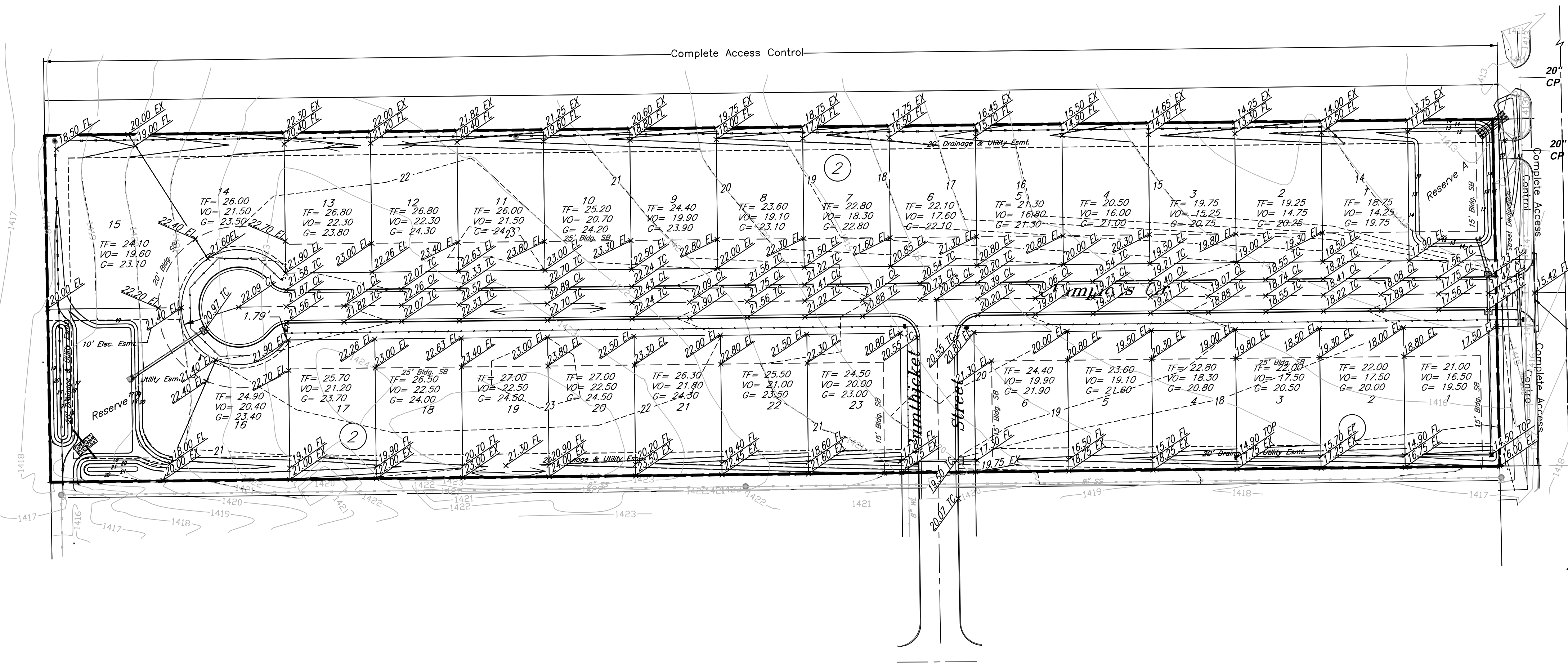


DATE: 05.23.2016  
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 SIGNED, SEALED AND  
 DATED ELECTRONICALLY



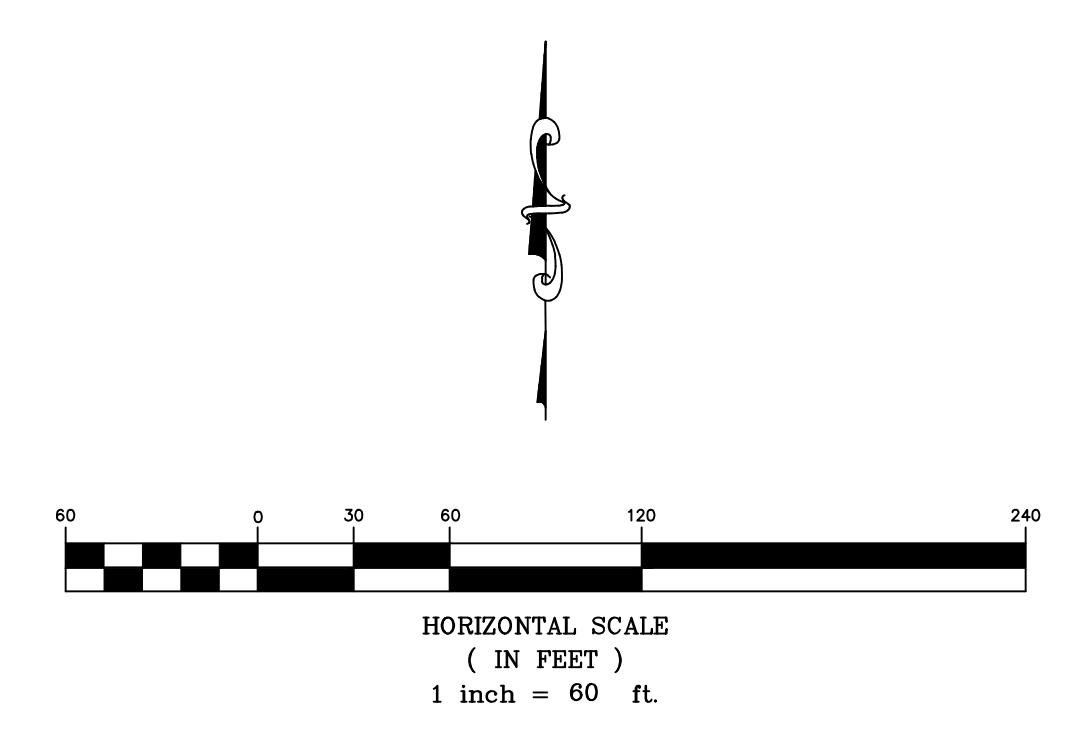
April 2016

**KEMILLER ENGINEERING PA**  
 117 E. Lewis, Wichita, KS 67202 (316)264-0242



DATE: 07.28.2016  
 THIS SHEET HAS BEEN  
 SIGNED, SEALED, AND  
 DATED ELECTRONICALLY

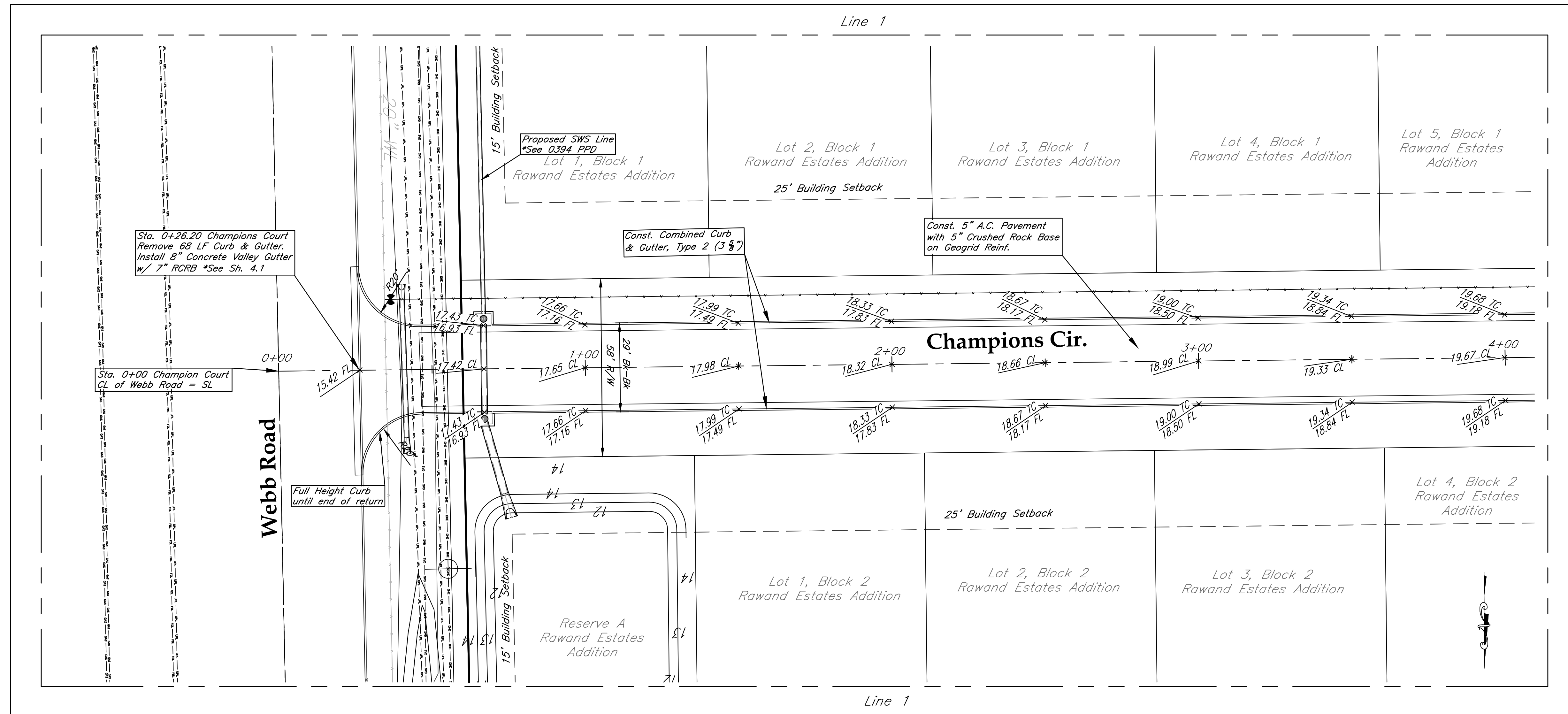
Webb Road  
 One Full  
 Movement  
 Opening  
 58.00'




Rowand Addition  
 Lot Grading Plan  
 Wichita, Kansas

 KEMILLER ENGINEERING P.A. <small>117 E. Lewis, Wichita, KS 67202 (316)264-0242</small>	PROJECT NUMBER			
	KEM NO. 15073	FILE	DATE 07/2015	SHEET 1.0
DESIGN KM	DRAWN ME	REVISED		

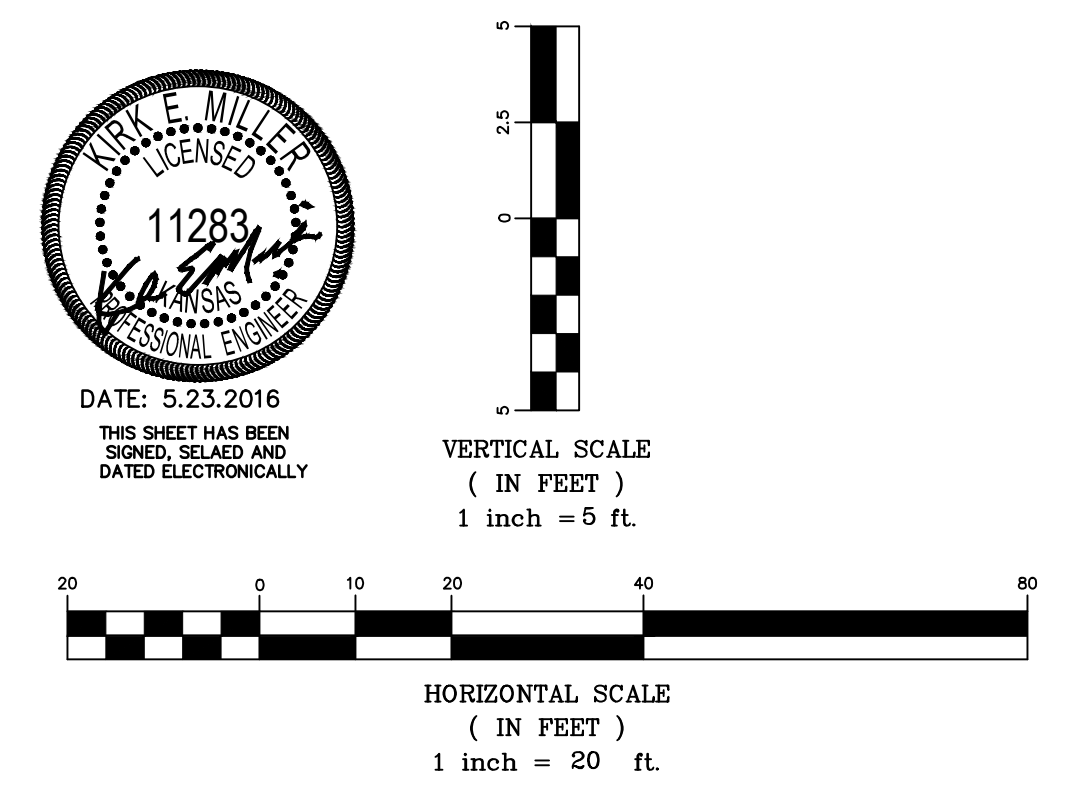
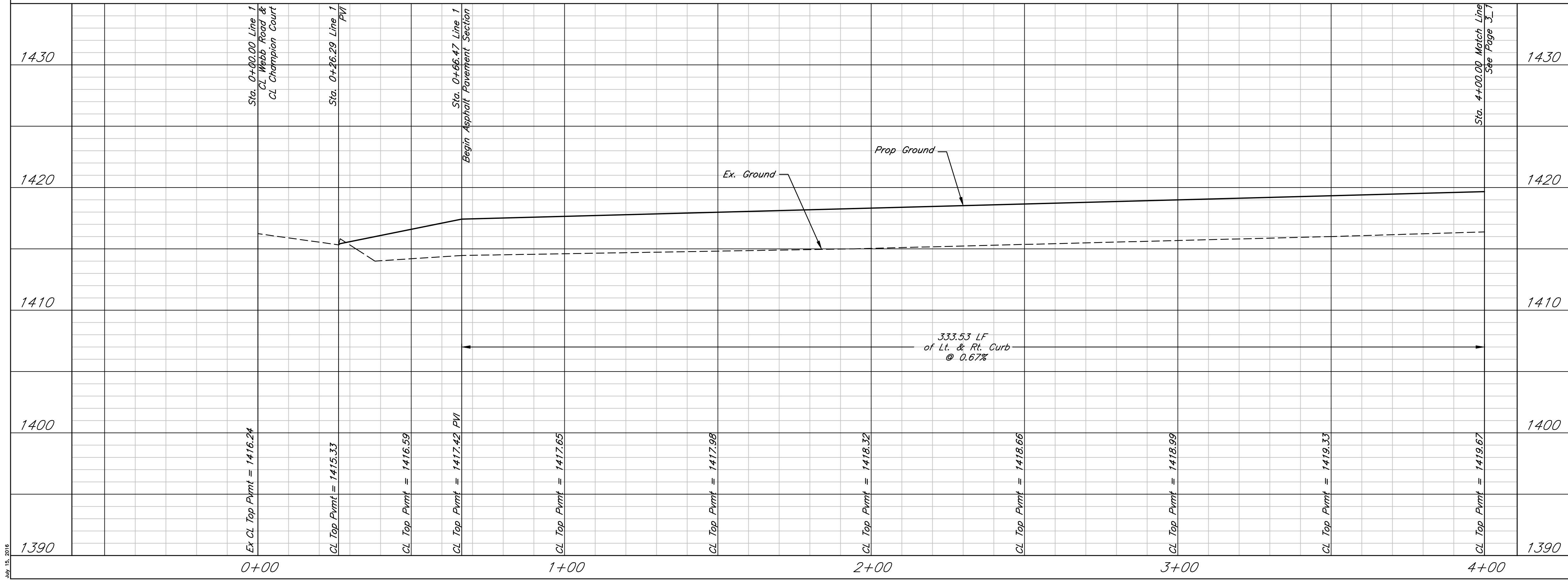
JUL 28, 2016




**AS BUILTS**



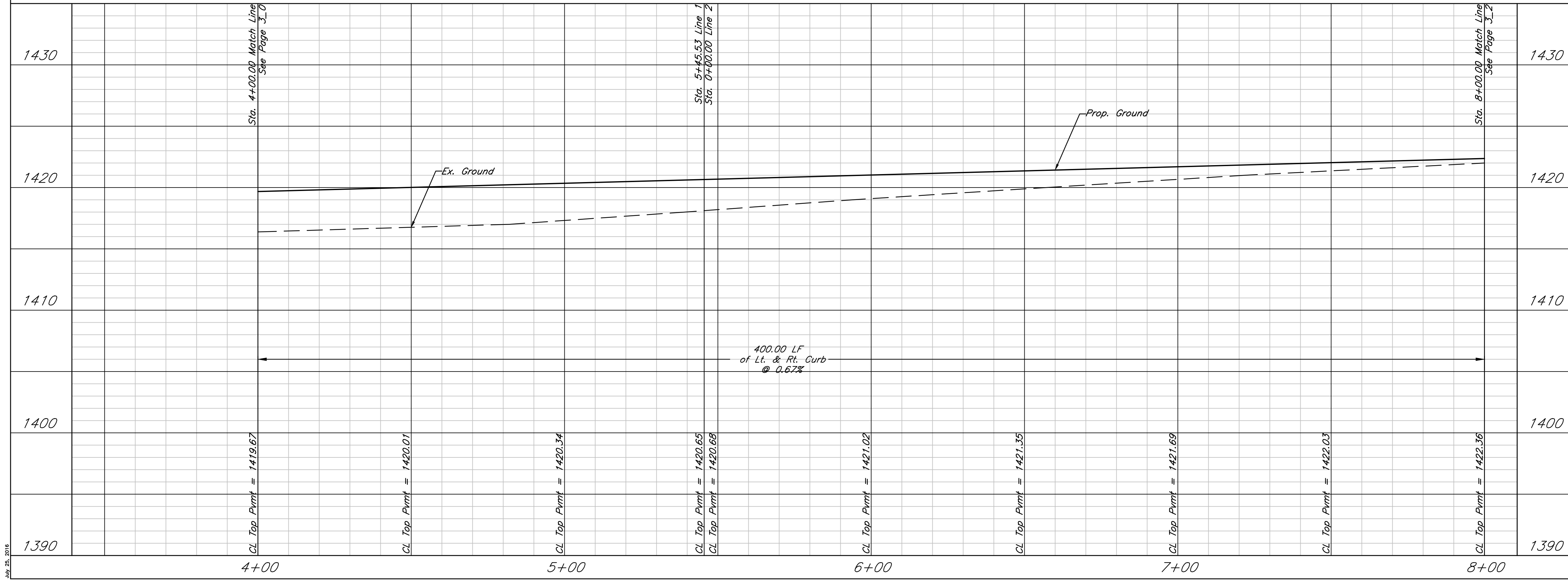
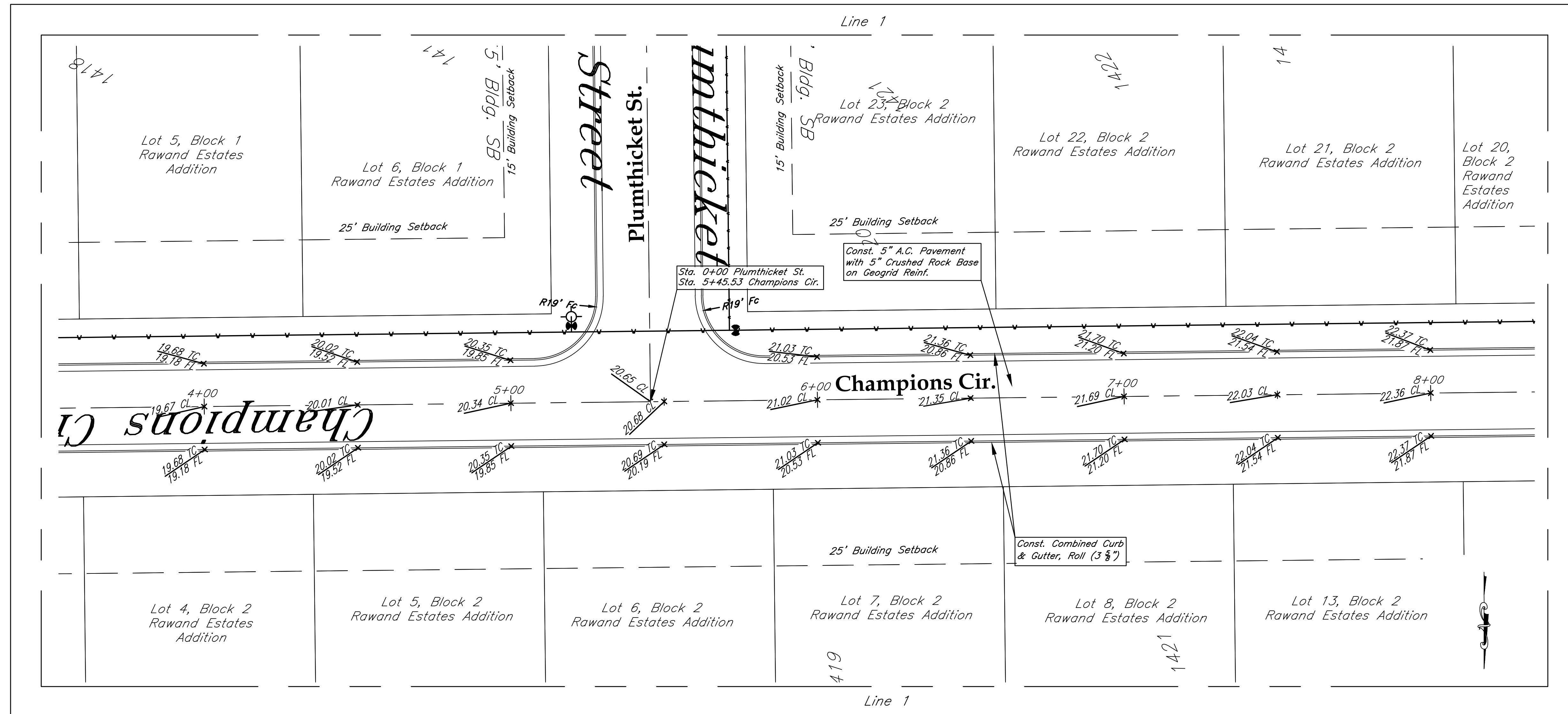
117 E. Lewis,  
Wichita, KS 67202 (316)264-0242



**Rawand Paving Plan**  
Wichita, Kansas

	PROJECT NUMBER <b>0261 PPP 607861</b>			<b>3.0</b>
	KEM NO. 15073	FILE	DATE 04/2016	
DESIGN KM	DRAWN AHS	REVISED		

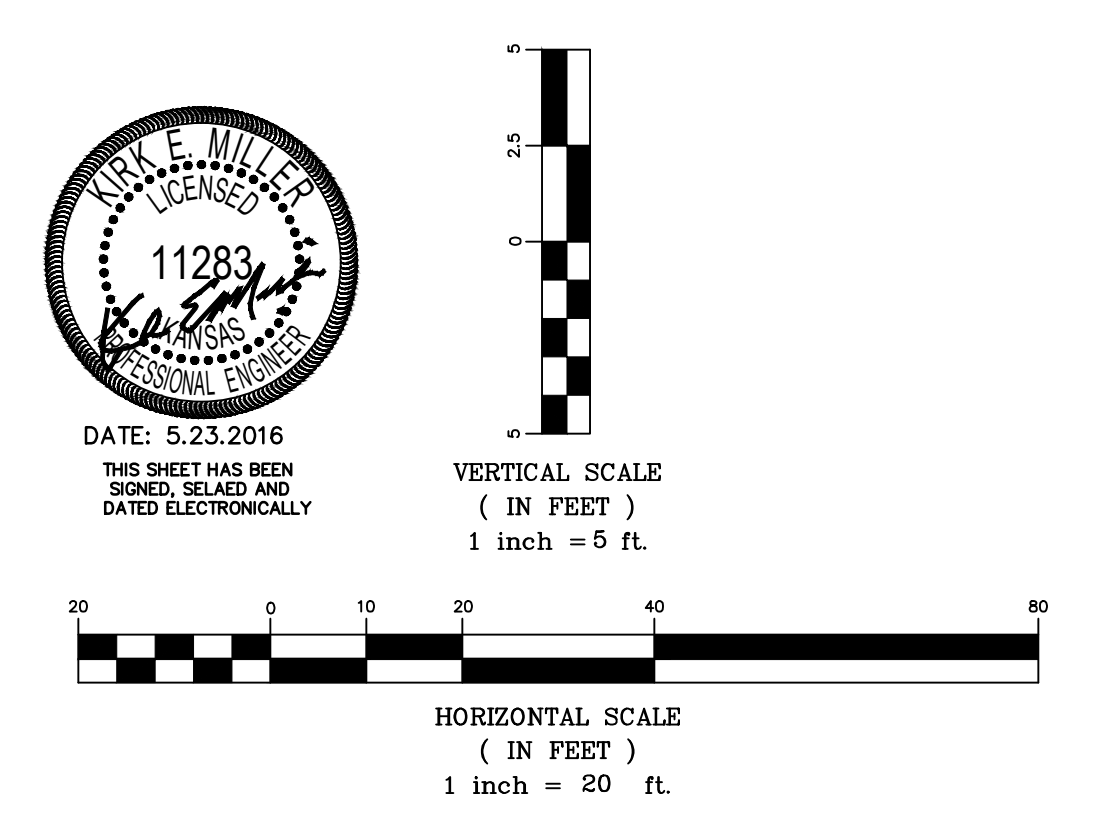
04.15.2016




**AS BUILTS**



**KEMILLER**  
 ENGINEERING PA  
 117 E. Lewis,  
 Wichita, KS 67202  
 (316)264-0242

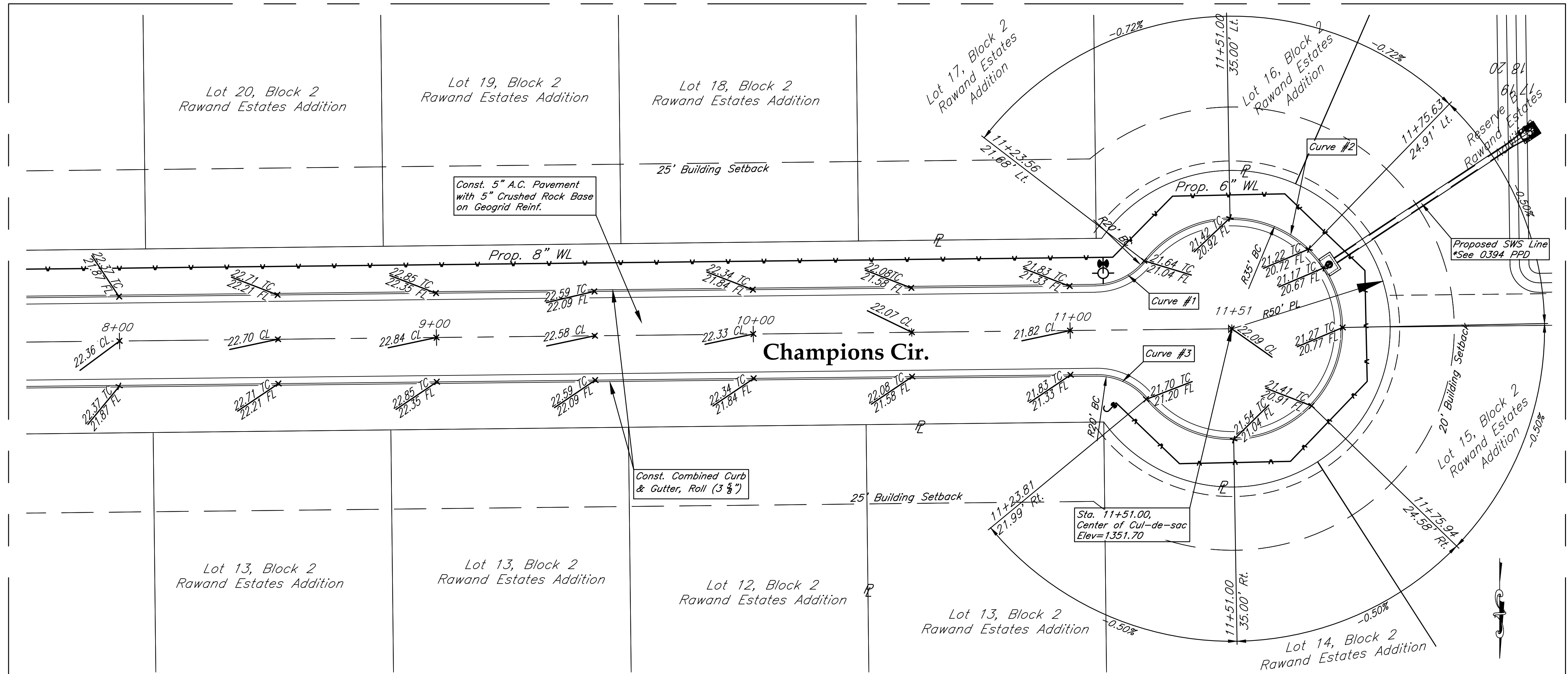


**Rawand Paving Plan**  
Wichita, Kansas

	PROJECT NUMBER <b>0261 PPP 607861</b>			<b>3.1</b>
	KEM NO. 15073	FILE	DATE 04/2016	
DESIGN KM	DRAWN AHS	REVISED		


117 E. Lewis, Wichita, KS 67202 (316)264-0242

Line 1



CURVE TABLE			
Curve #	Radius	Delta	Curve Length
1	20'	51°09'08"	17.86'
2	35'	282°17'47"	172.44'
3	20'	51°08'47"	17.85'

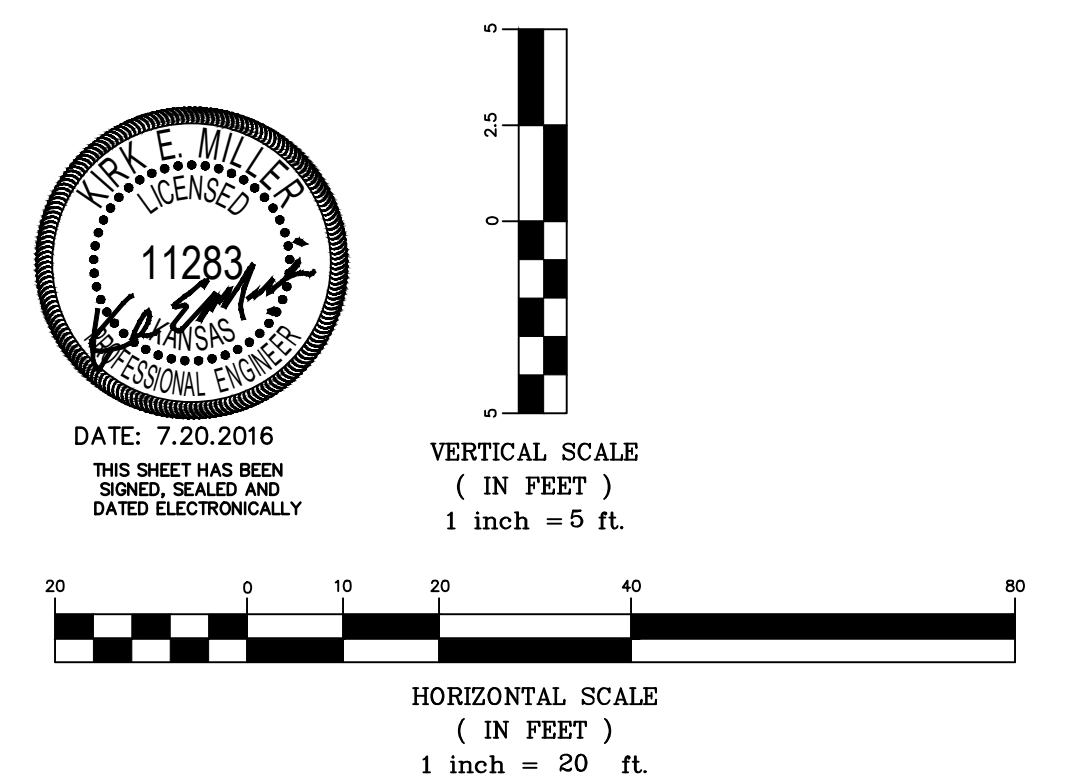
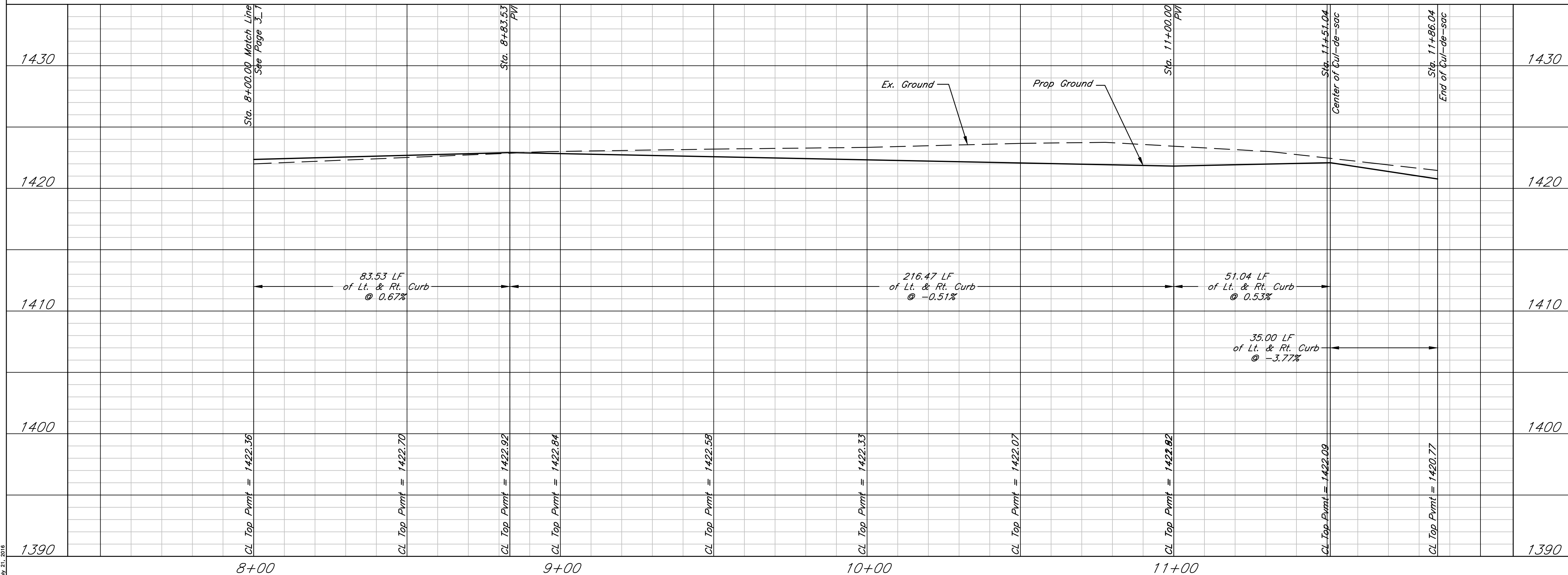
AS BUILTS



**KEMILLER**  
ENGINEERING PA


117 E. Lewis,  
Wichita, KS 67202 (316)264-0242

Line 1

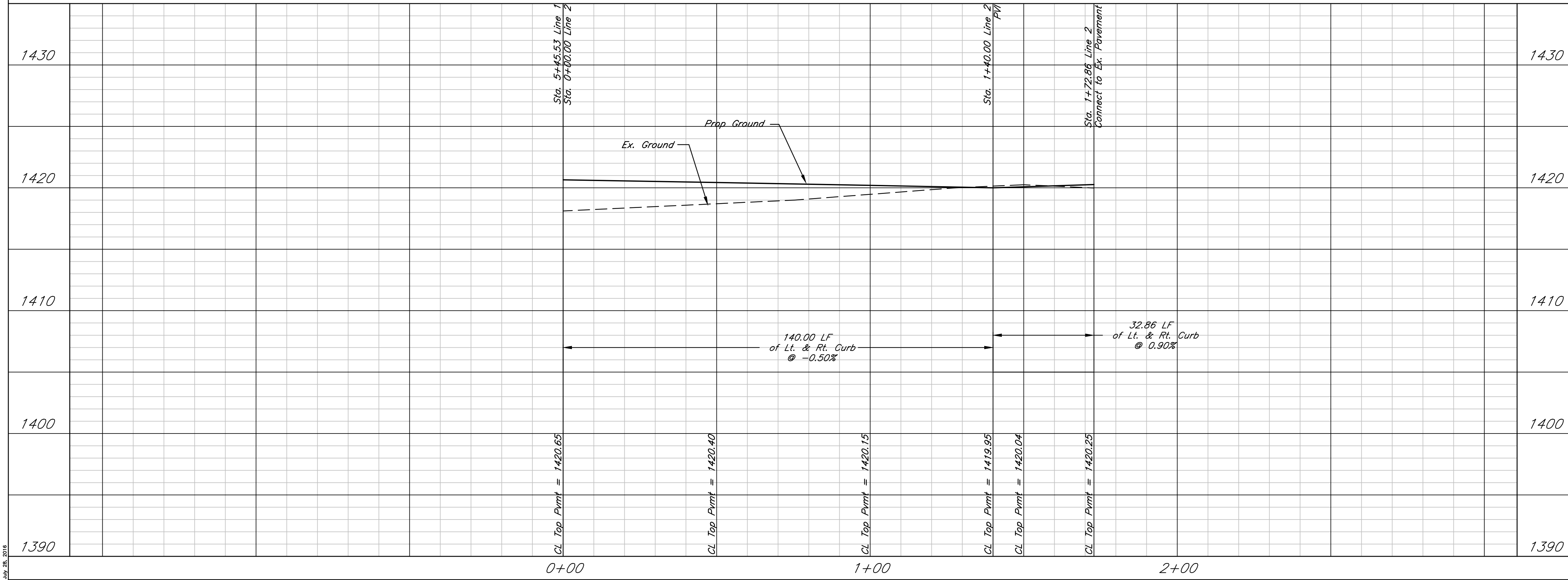
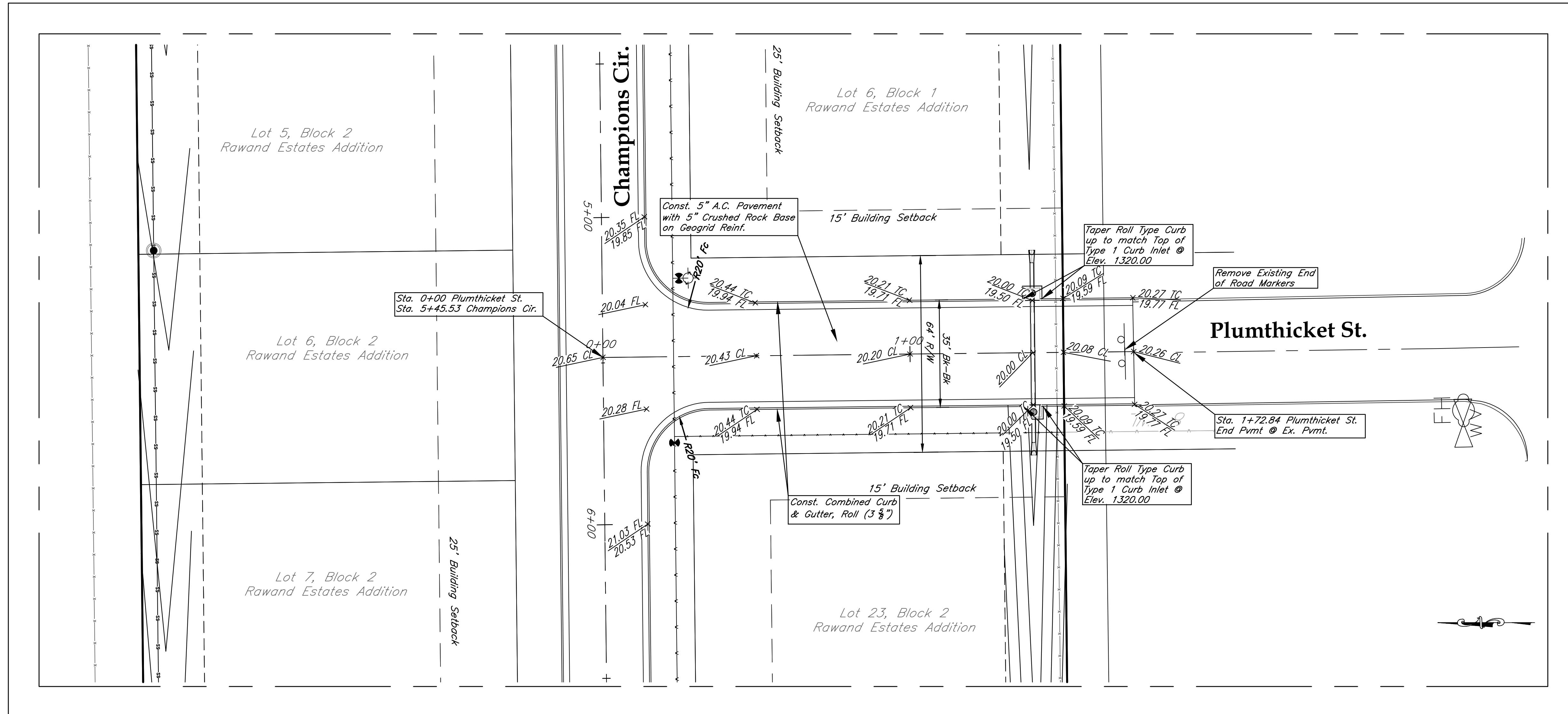


DATE: 7.20.2016  
THIS SHEET HAS BEEN  
SIGNED, SEALED AND  
DATED ELECTRONICALLY

Rawand  
Paving Plan  
Wichita, Kansas

	PROJECT NUMBER 0261 PPP 607861			SHEET 3.2
	KEM NO. 15073	FILE	DATE 04/2016	
DESIGN KM	DRAWN AHS	REVISED		

04/21/2016



**AS BUILTS**

**KEMILLER**  
ENGINEERING PA

117 E. Lewis,  
Wichita, KS 67202

(316)264-0242

DATE: 5.23.2016  
THIS SHEET HAS BEEN  
SIGNED, SEALED AND  
DATED ELECTRONICALLY

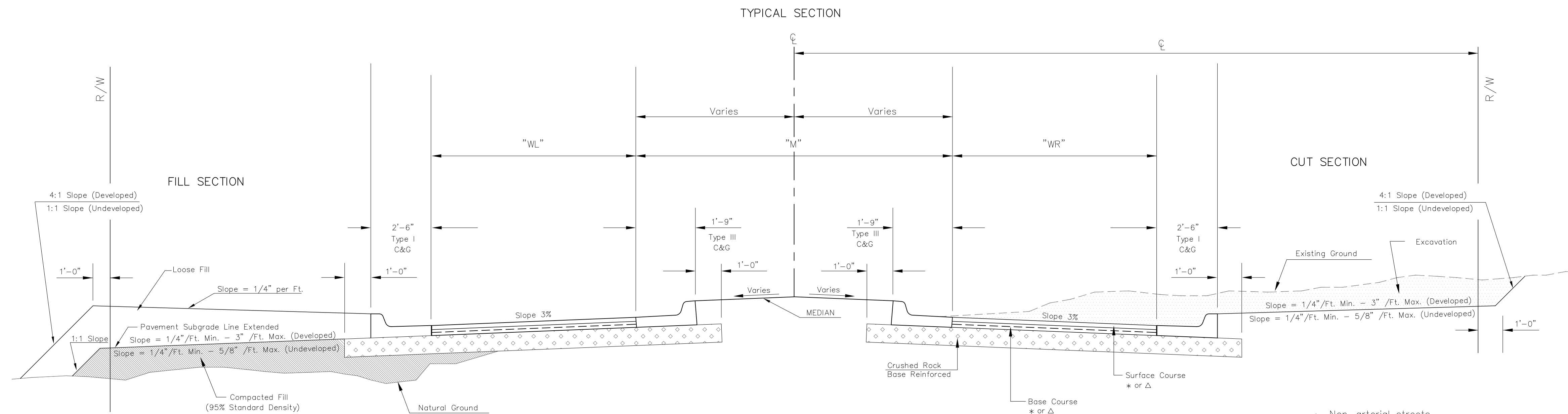
VERTICAL SCALE  
( IN FEET )  
1 inch = 5 ft.

HORIZONTAL SCALE  
( IN FEET )  
1 inch = 20 ft.

Rawand  
Paving Plan  
Wichita, Kansas

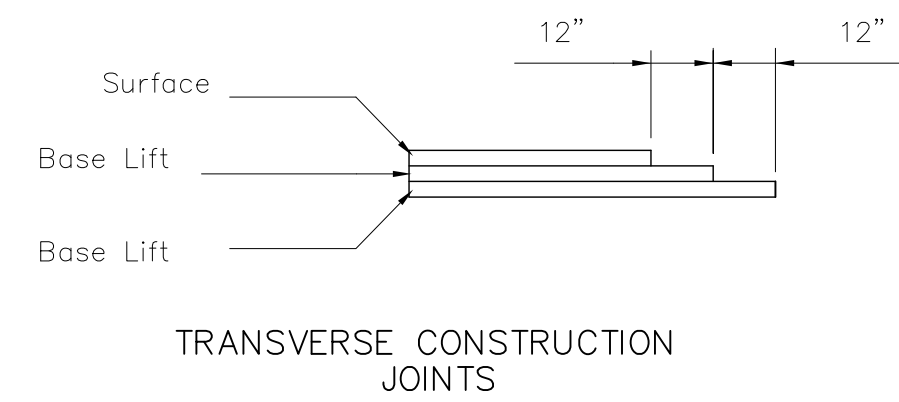
PROJECT NUMBER  
0261 PPP 607861

KEMILLER ENGINEERING PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242	KEM NO. 15073	FILE	DATE 04/2016	SHEET 3.3
	DESIGN KM	DRAWN AHS	REVISED 06/10/2016	



- \* Non-arterial streets  
BC-1, SC-1 AND PG 64-22
- Δ Arterial streets  
BM-2 PG 64-22(Base) PG 70-28(Surface)

Base Course thicker than 4" shall be installed in two lifts



Transverse construction joints shall be constructed in flexible base pavement at locations where pavement joins existing flexible base pavement as show by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for Square Yards of pavement.

#### GENERAL NOTES

Fabric base reinforcement shall be an approved grid. Fabric base reinforcement shall be installed in accordance with manufacturer's recommendations. Crushed rock shall be uniformly graded from 1 - 1/2" maximum size to not more than 10% passing a No. 200 sieve. Rock quality shall be the same as specified for coarse aggregate for concrete mixes.

Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat will not be applied to rock base.

A tack coat of emulsified asphalt (SC-1H or CSS-1H) shall be applied to an approximate rate of 0.05 gallons per square yard between each lifts of asphaltic material.

Bituminous base and asphaltic concrete wearing surface shall be placed with a laydown machine having automatic controls for line and grade.

Construction joints in each lift shall be staggered a minimum distance of one (1) foot from joints in preceding lifts and placed so that a joint will be constructed on the centerline of the top lift.

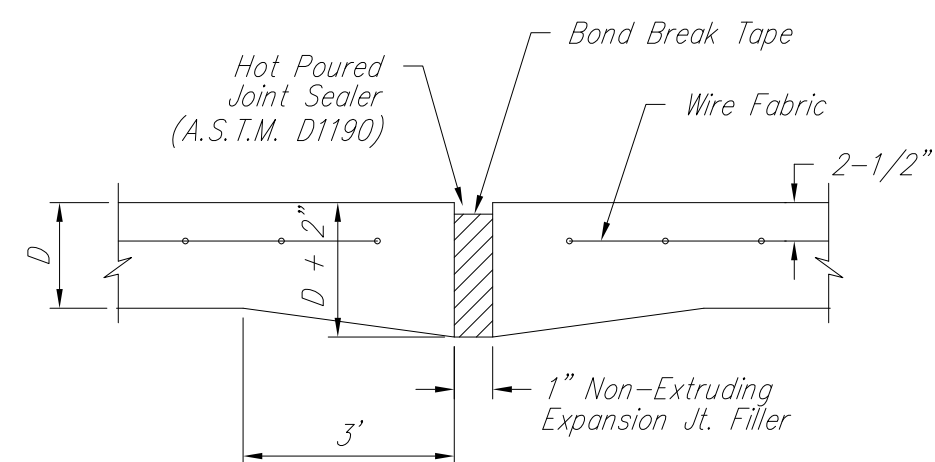
The asphaltic concrete pavement between the combined curb and gutter shall be paid as square yards of of pavement.

STREET NAME	"WL"	"M"	"WR"	STATION	CENTER LINE	ROW DIMENSION	MEDIAN DESCRIPTION	SLOPE	ROCK THICKNESS	PAVEMENT THICKNESS	COMMENTS
Champion Ct.	12'	0'	12'	0+45.49 to 11+16.04	0+45.49 to 11+16.04	58'	None	3/8" per ft.	5"	5"	29' Bk-Bk Roll Curb
Champion Ct.	12'	0'	12'	11+16.04	11+16.04	58'	None	3/8" per ft.	5"	5"	Begin Cul-de-sac Roll Curb
Champion Ct.	33'	0'	33'	11+51.04	11+51.04	53' R	None	3/8" per ft.	5"	5"	Center Cul-de-sac Roll Curb
Champion Ct.	0'	0'	0'	11+86.04	11+86.04	53' R	None	None	5"	5"	End Cul-de-sac Roll Curb
Plumthicket St.	15'	0'	15'	0+00.00 to 1+72.86	0+00.00 to 1+72.86	64'	None	3/8" per ft.	5"	5"	35' Bk-Bk Roll Curb

REVISED: OCTOBER 2015

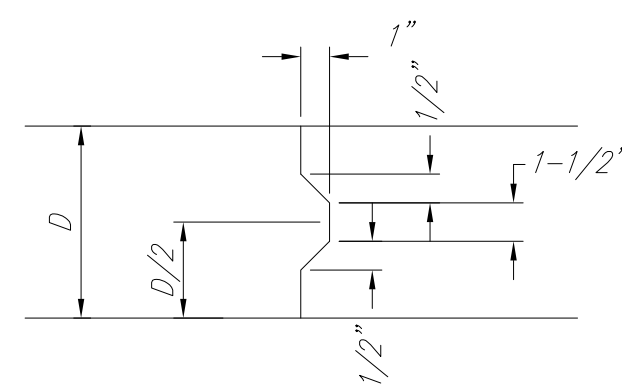


<b>ASPHALT PAVING DETAIL</b>		
CITY ENGINEER <b>GARY JANZEN, P.E.</b>		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET <b>4.0</b>

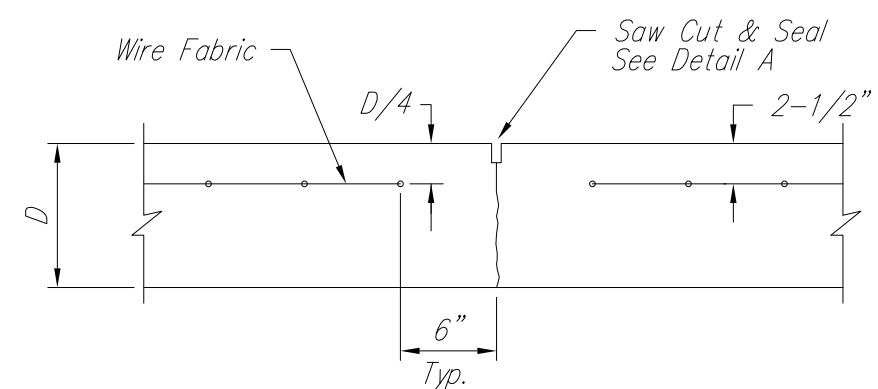


EXPANSION JOINT

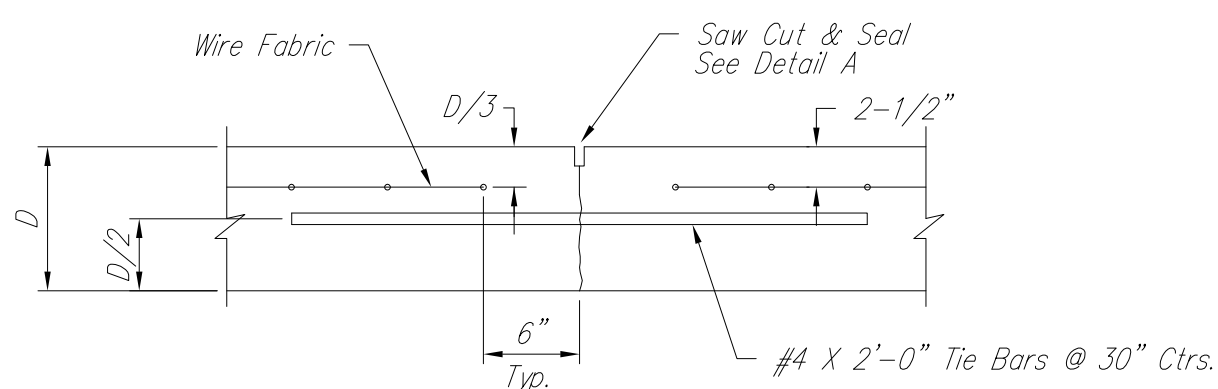
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



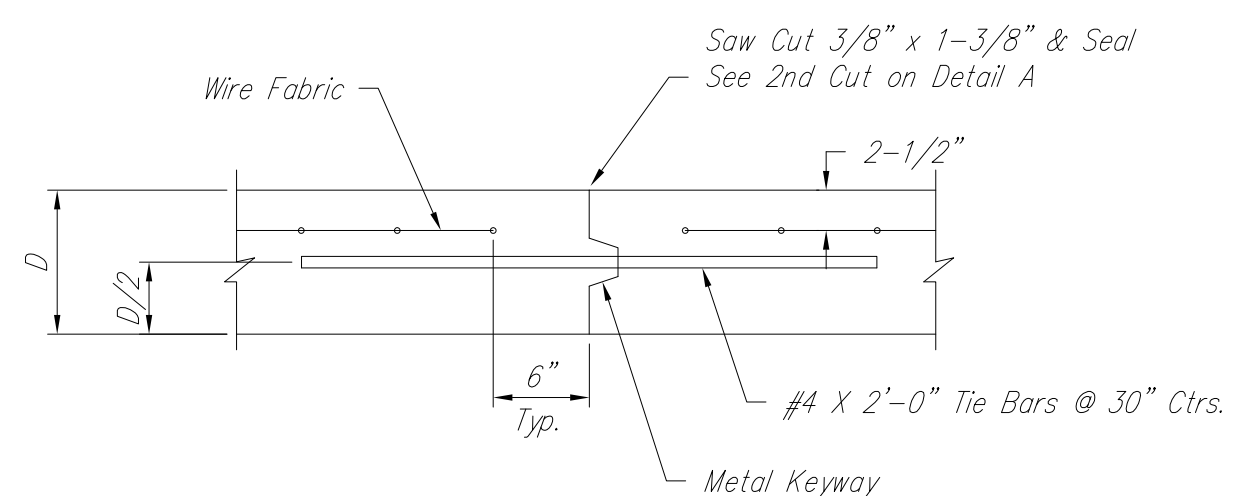
KEYWAY DETAIL



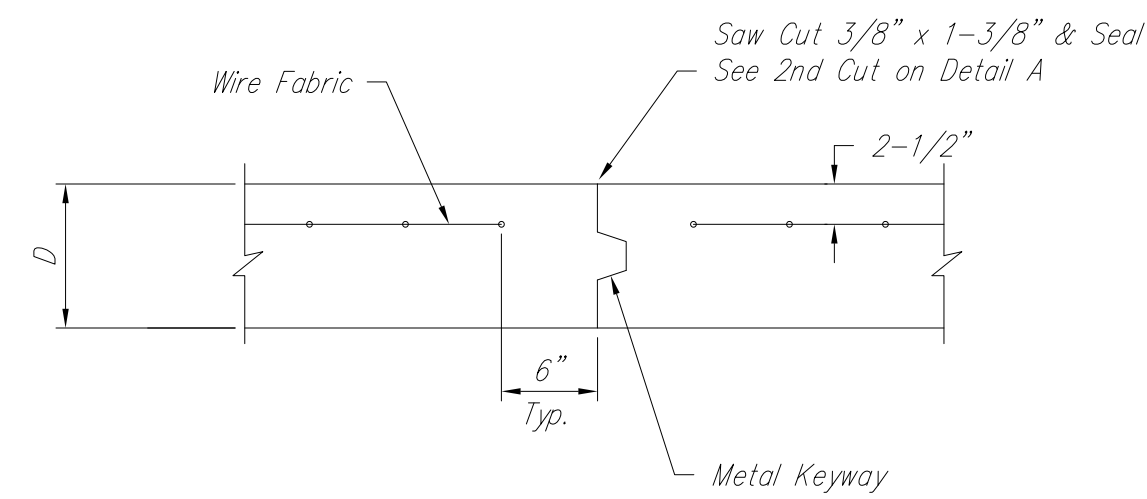
CONTRACTION JOINT DETAIL (C.J.)



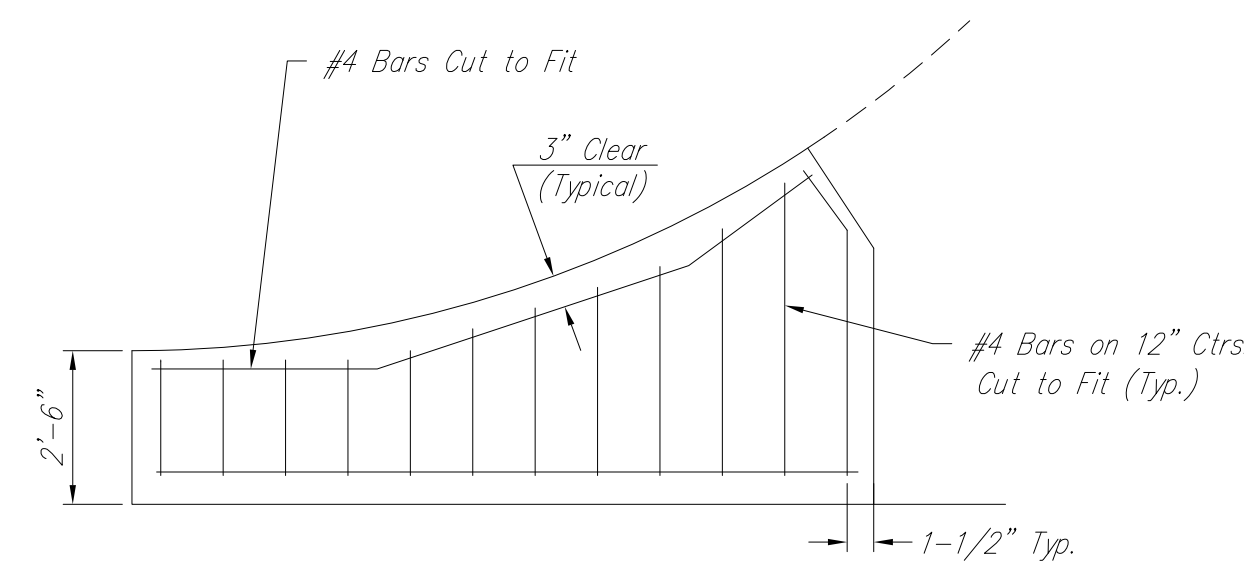
LONGITUDINAL JOINT DETAIL (L.J.)



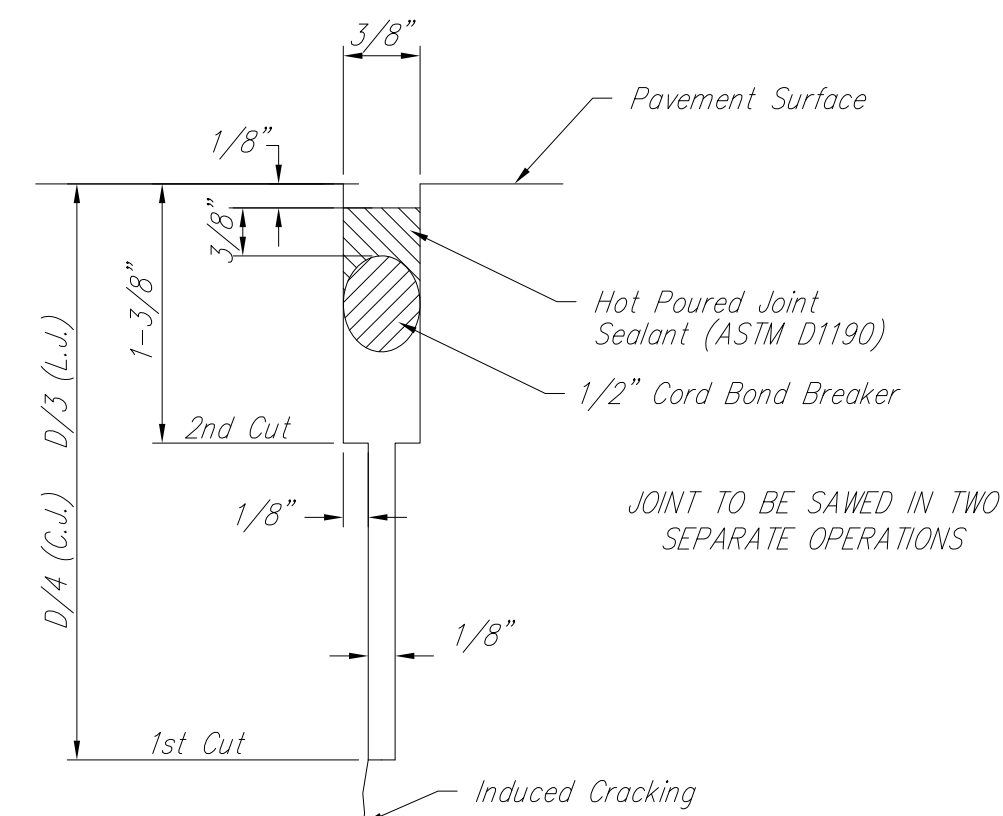
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)



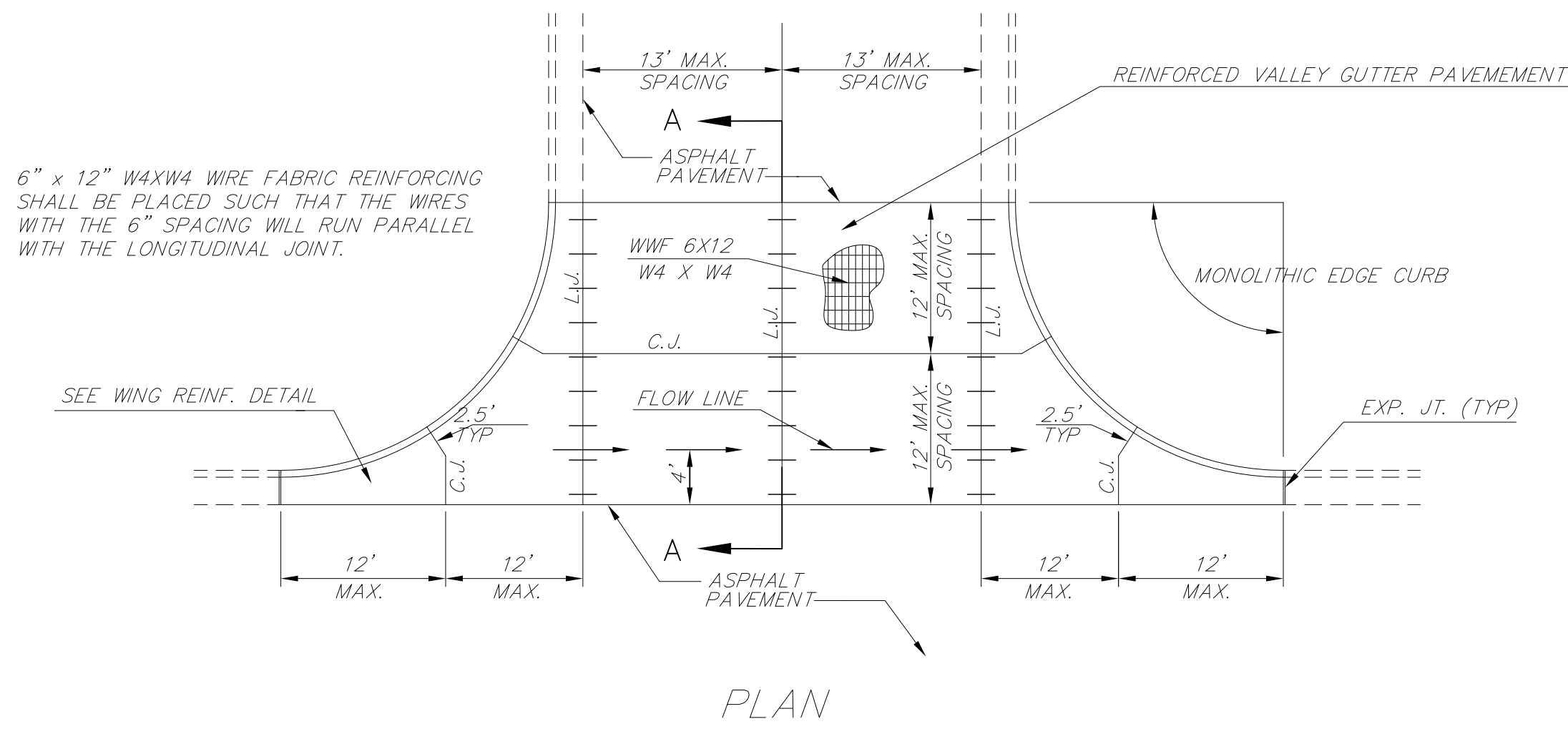
OPTIONAL CONTRACTION JOINT



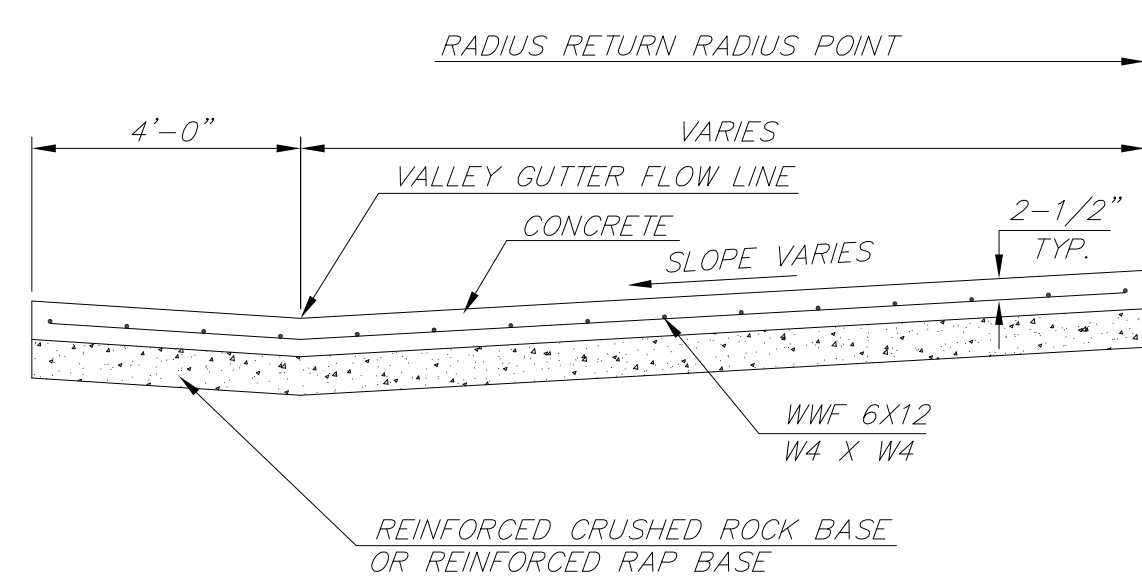
WING REINFORCING DETAIL



SAW JOINT DETAIL



PLAN

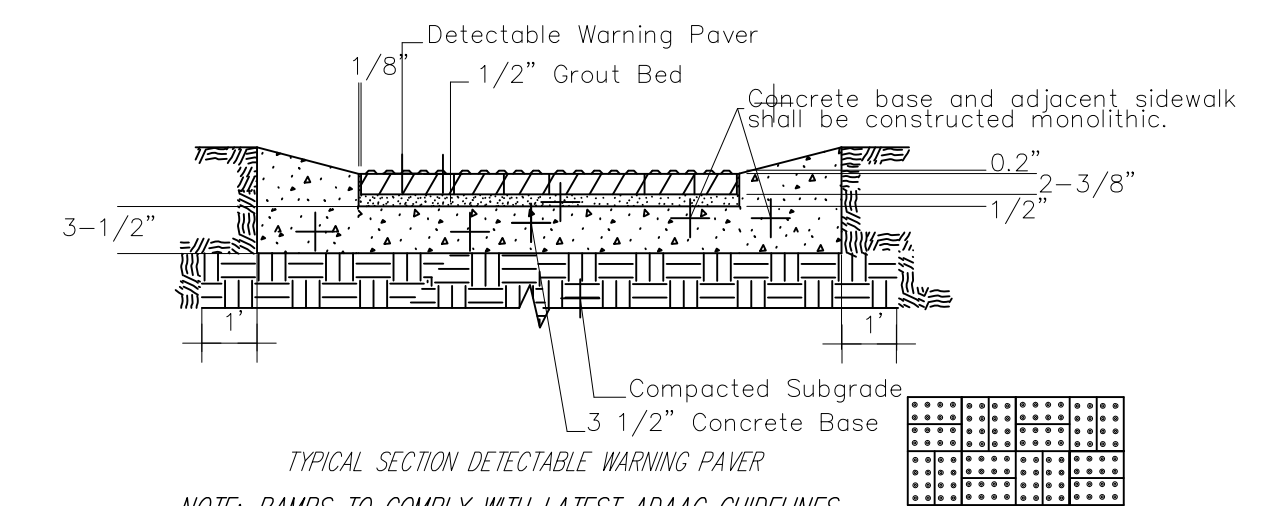
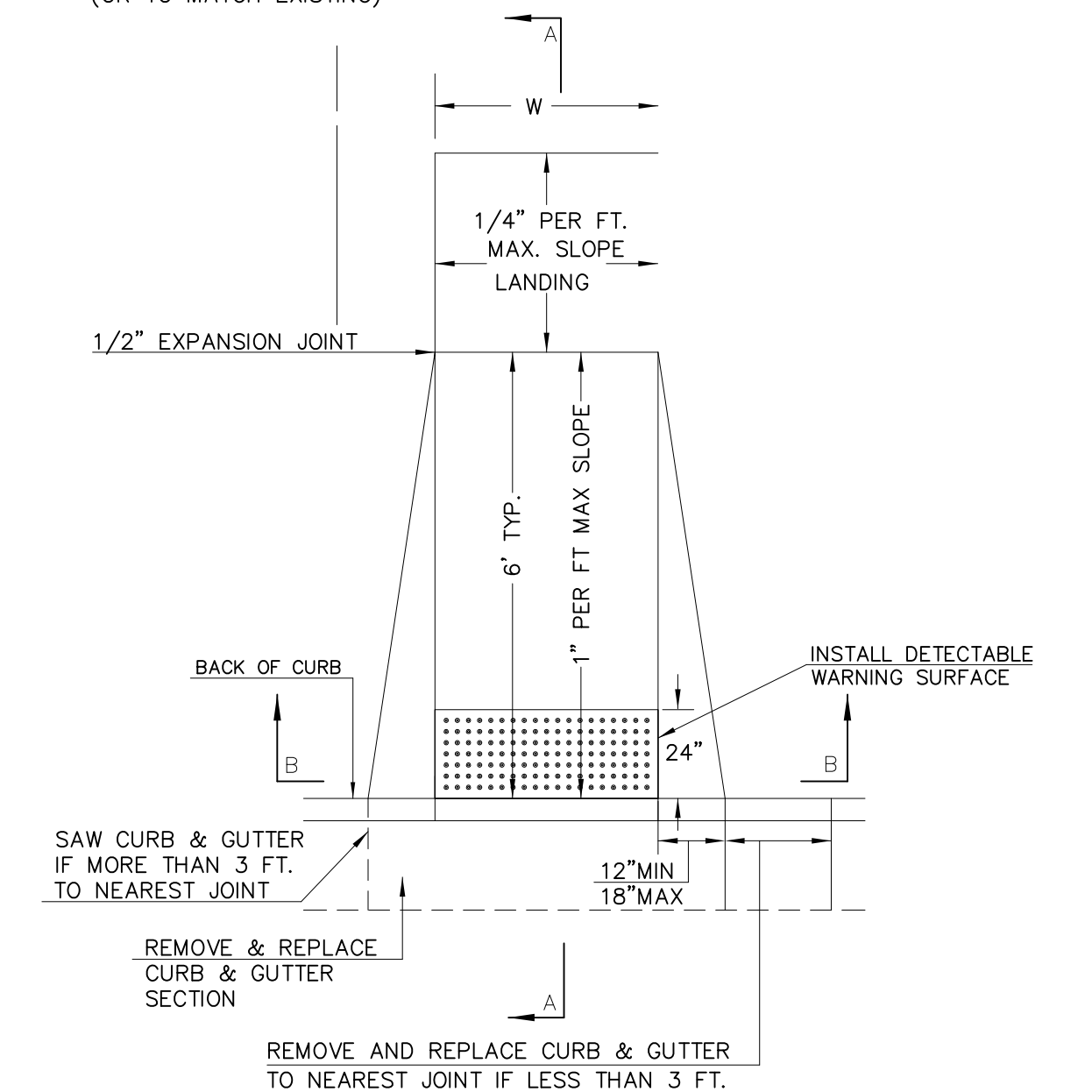


SECTION A-A

REINFORCED VALLEY GUTTER DETAIL

(TYPE A)  
STANDARD WHEELCHAIR RAMP  
WITH DETECTABLE WARNING  
CONSTRUCTION DETAIL FOR STREETS  
WITH COMBINED CURB & GUTTER

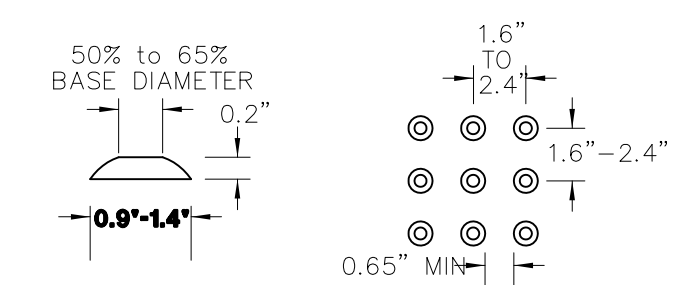
W= 4'0" FOR STANDARD RAMP  
W= 5'0" FOR RAMP AT SCHOOL CROSSWALKS  
(OR TO MATCH EXISTING)



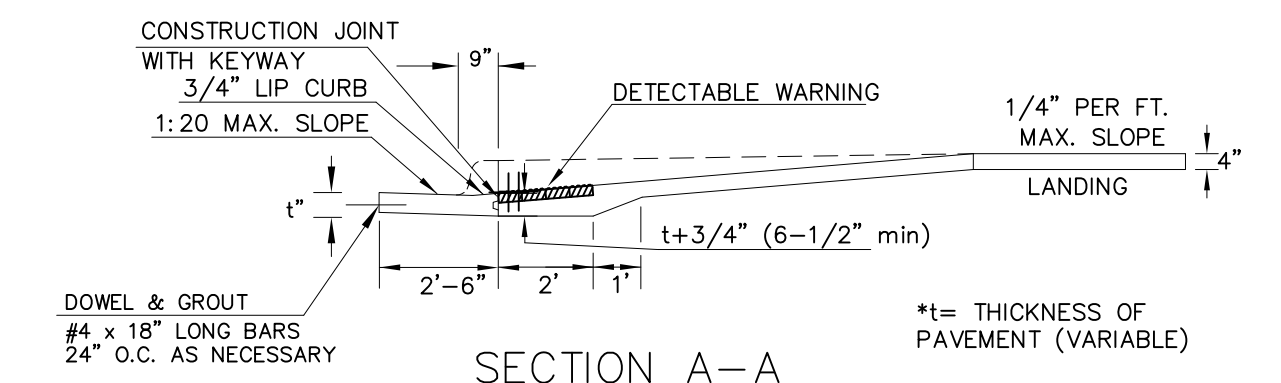
TYPICAL SECTION DETECTABLE WARNING PAVER

NOTE: RAMPS TO COMPLY WITH LATEST ADAAG GUIDELINES. PAVESTONE DETECTABLE WARNING PAVERS (OR AN APPROVED EQUAL) SHALL BE USED IN ALL WHEELCHAIR RAMPS. THE RED PAVER SHALL BE INSTALLED USING A BASKET WEAVE/PARQUET PATTERN. OTHER PATTERNS MAY BE USED WITH APPROVAL OF ENGINEER. SAND FILL JOINTS. ALIGN DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL.

SECTION B-B



DOMES DETAIL



SECTION A-A

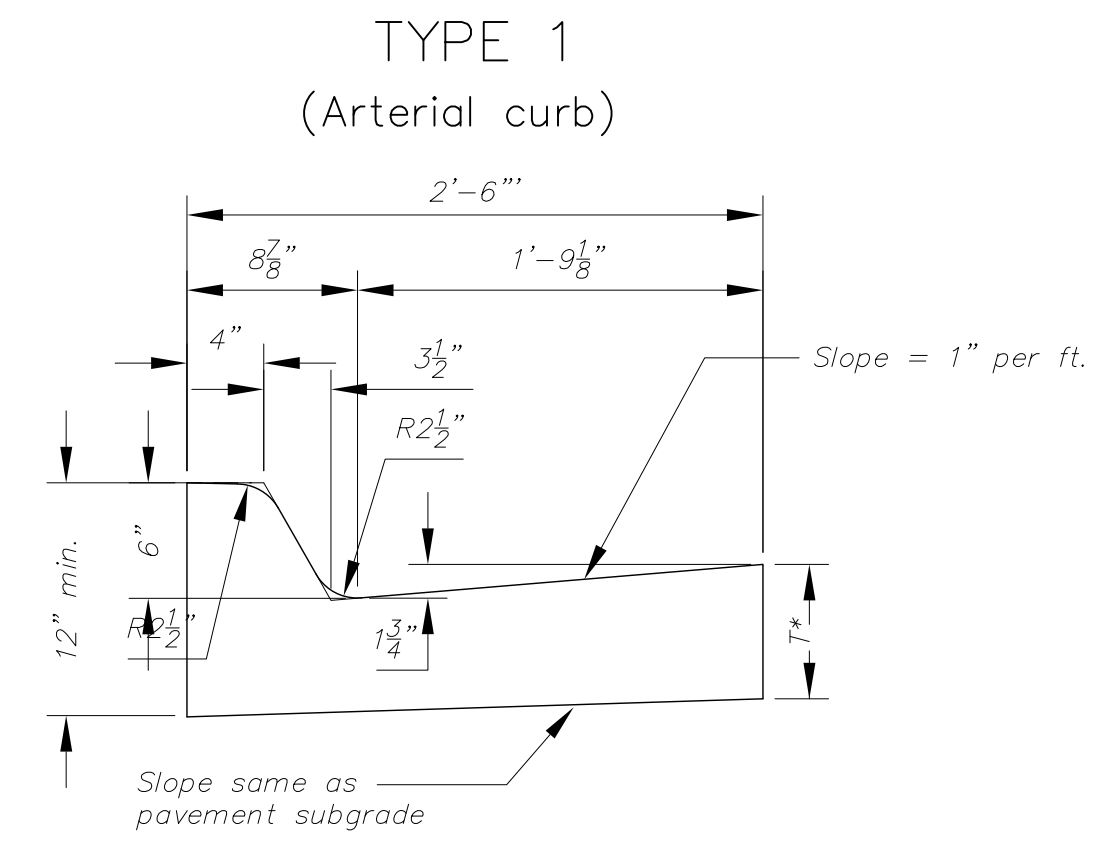
VALLEY GUTTER DETAILS  
WHEELCHAIR RAMP  
DETAILS

CITY ENGINEER

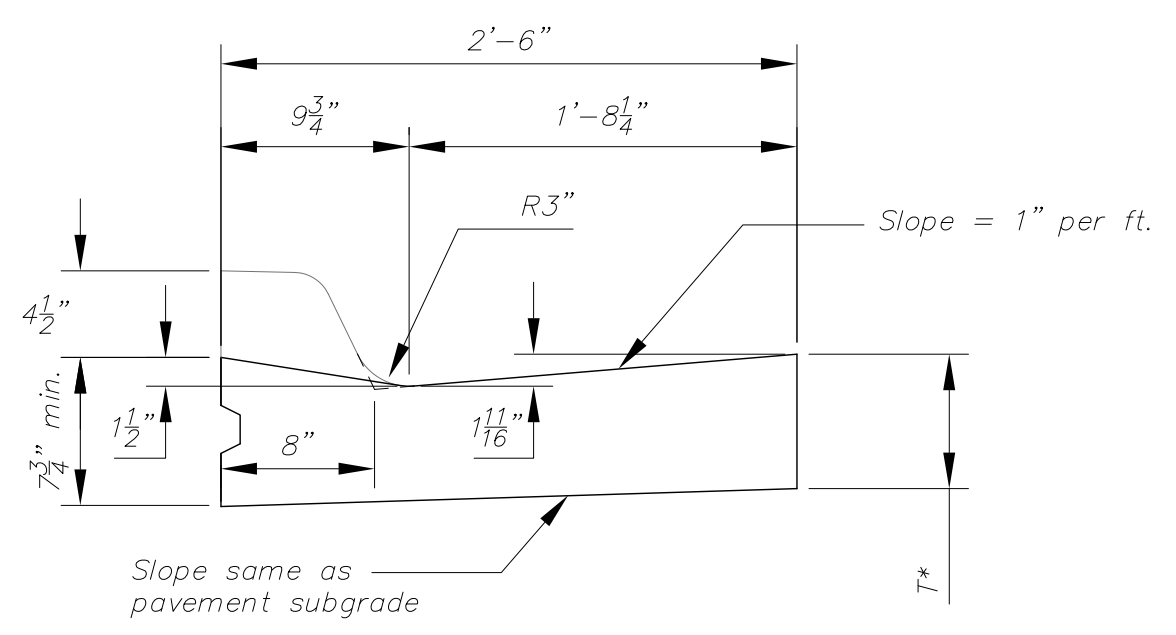
GARY JANZEN, P.E.

PROJECT NUMBER OCA NUMBER DATE

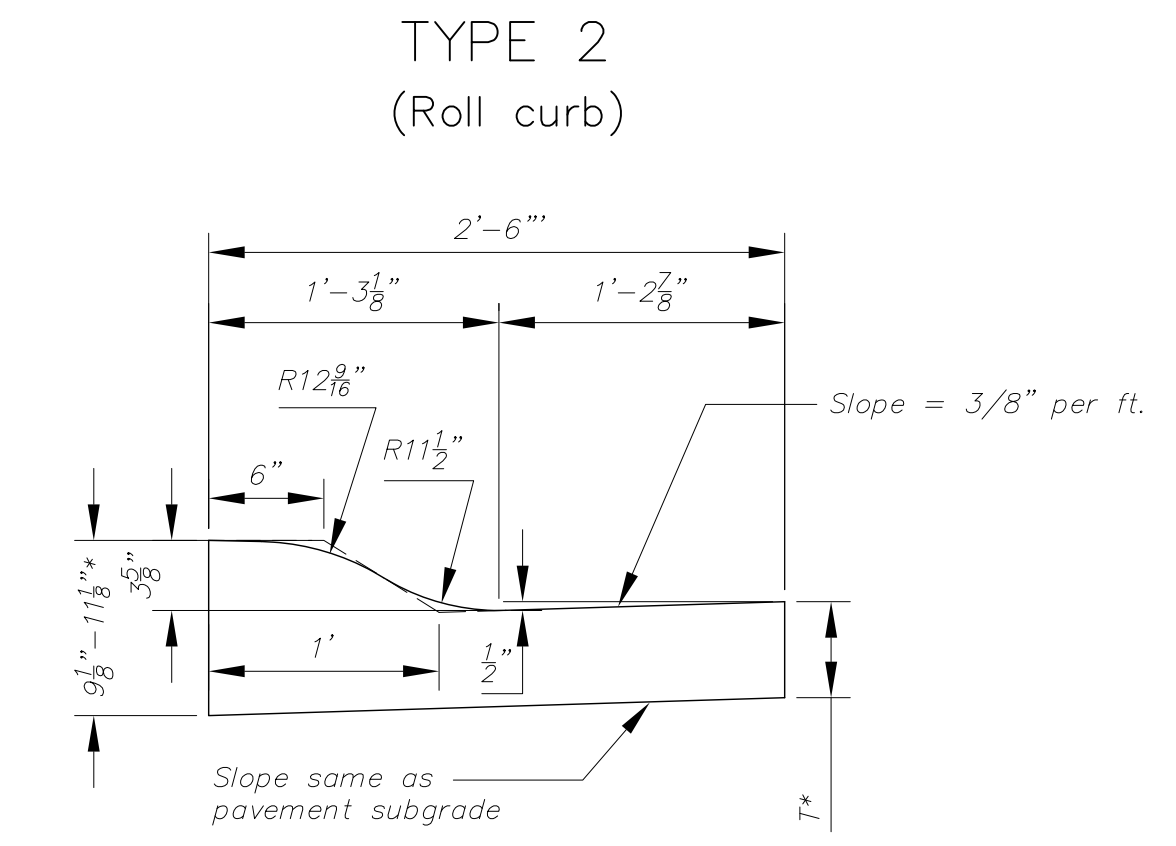
CITY ENGINEER'S OFFICE  
CITY HALL - SEVENTH FLOOR  
455 NORTH MAIN STREET  
WICHITA, KANSAS 67202-1620  
(316) 268-4501



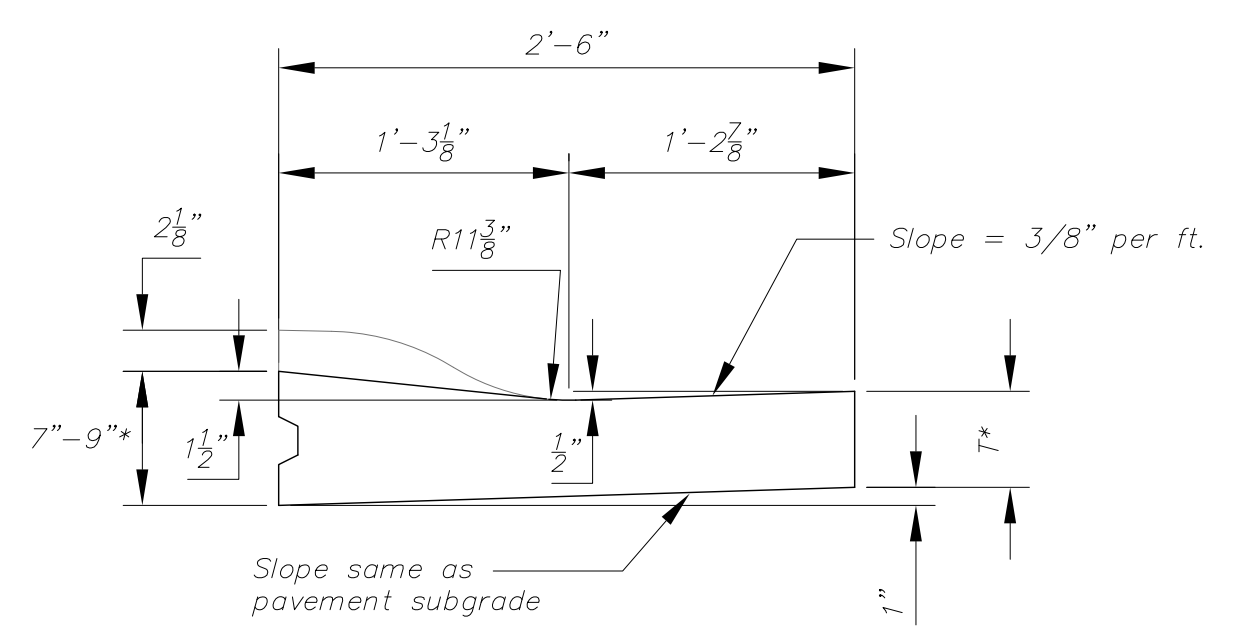
Combined Curb & Gutter (6")



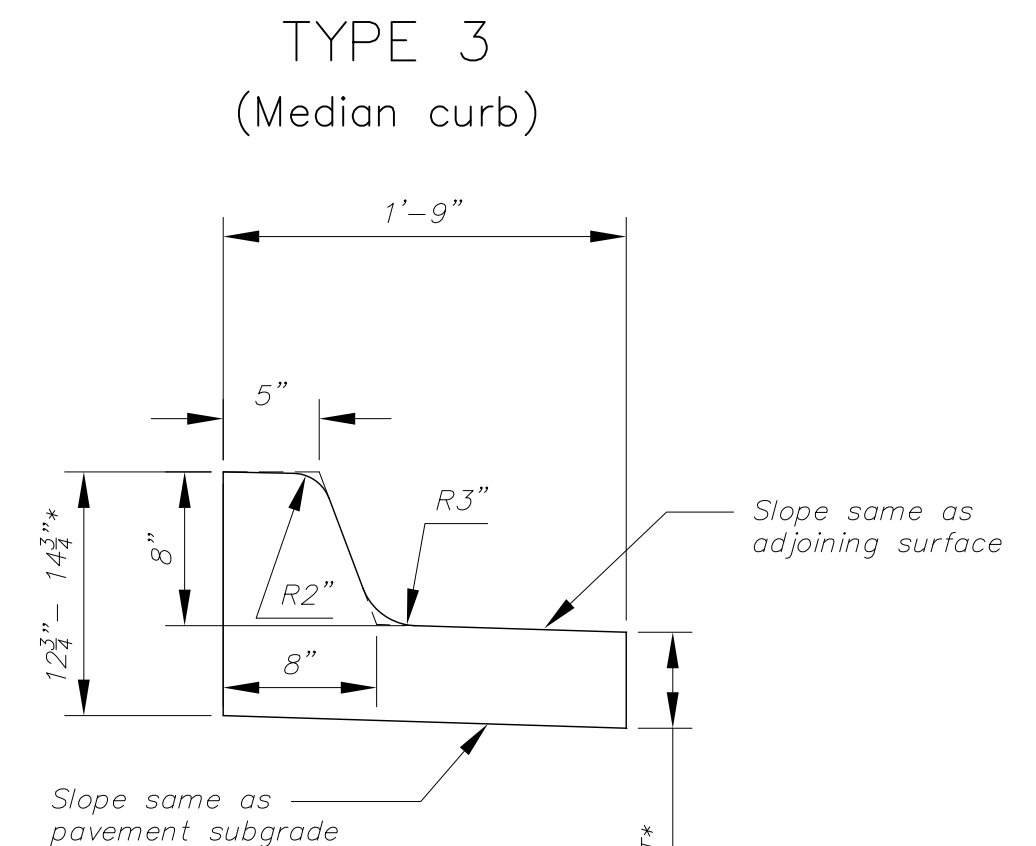
Combined Curb & Gutter (1 1/2")



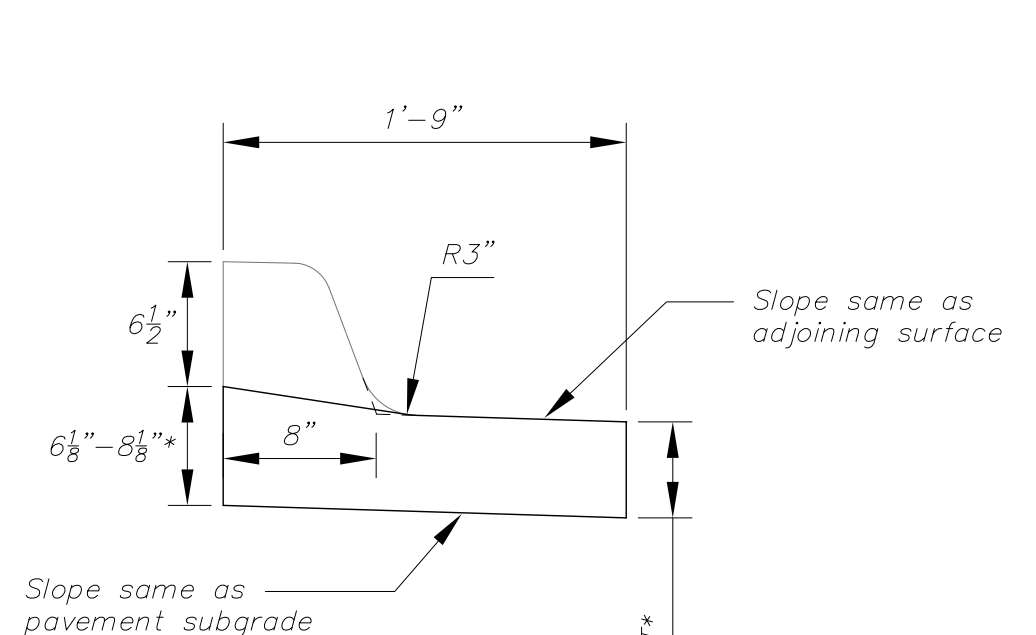
Combined Curb & Gutter (3 5/8")



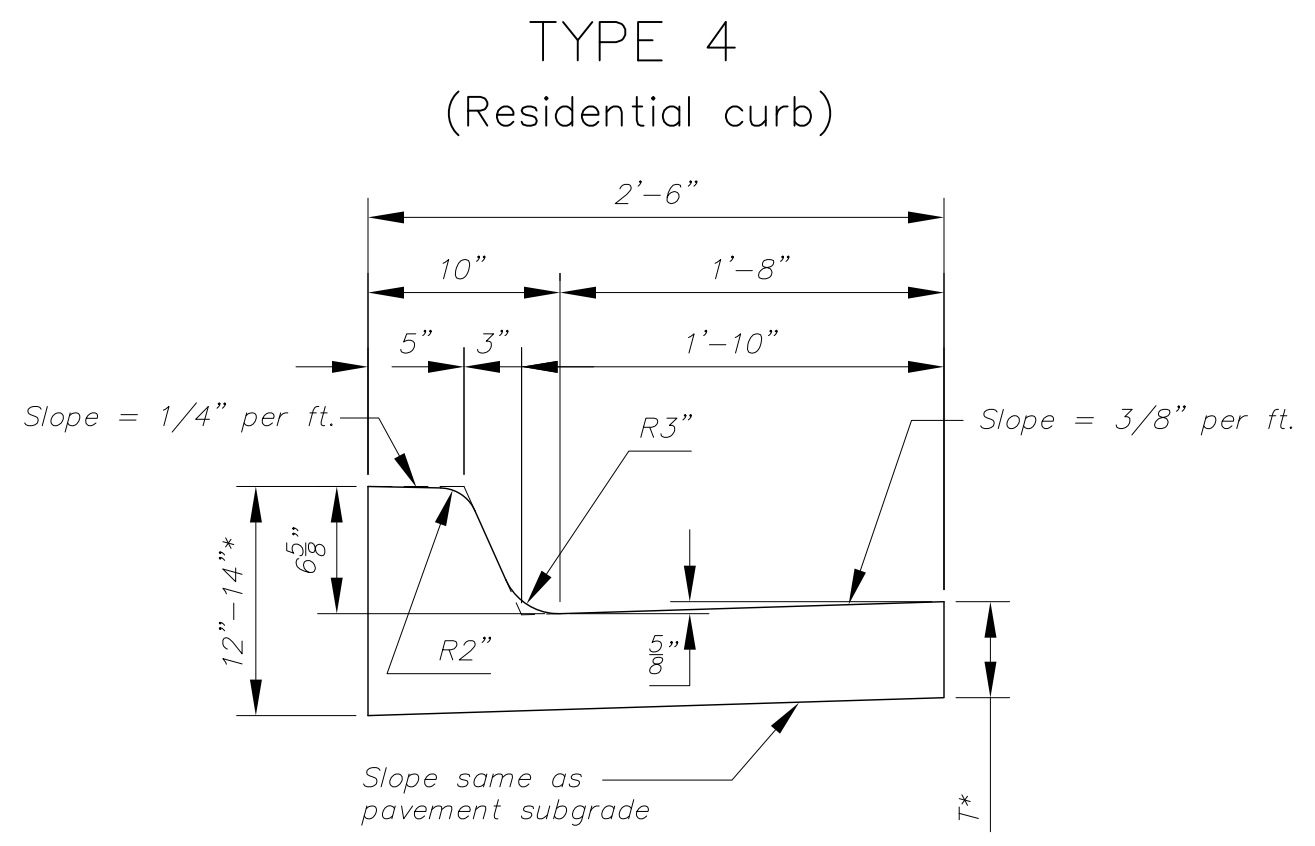
Combined Curb & Gutter (1 1/2")



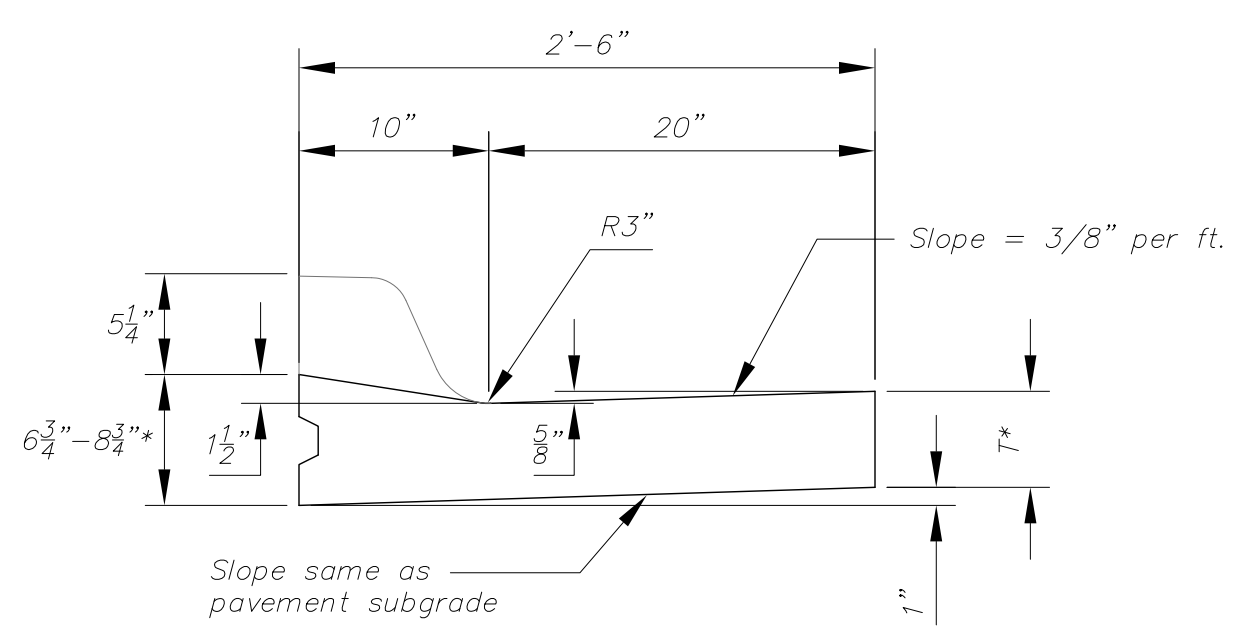
Combined Curb & Gutter (8")



Combined Curb & Gutter (1 1/2")



Combined Curb & Gutter (6 5/8")

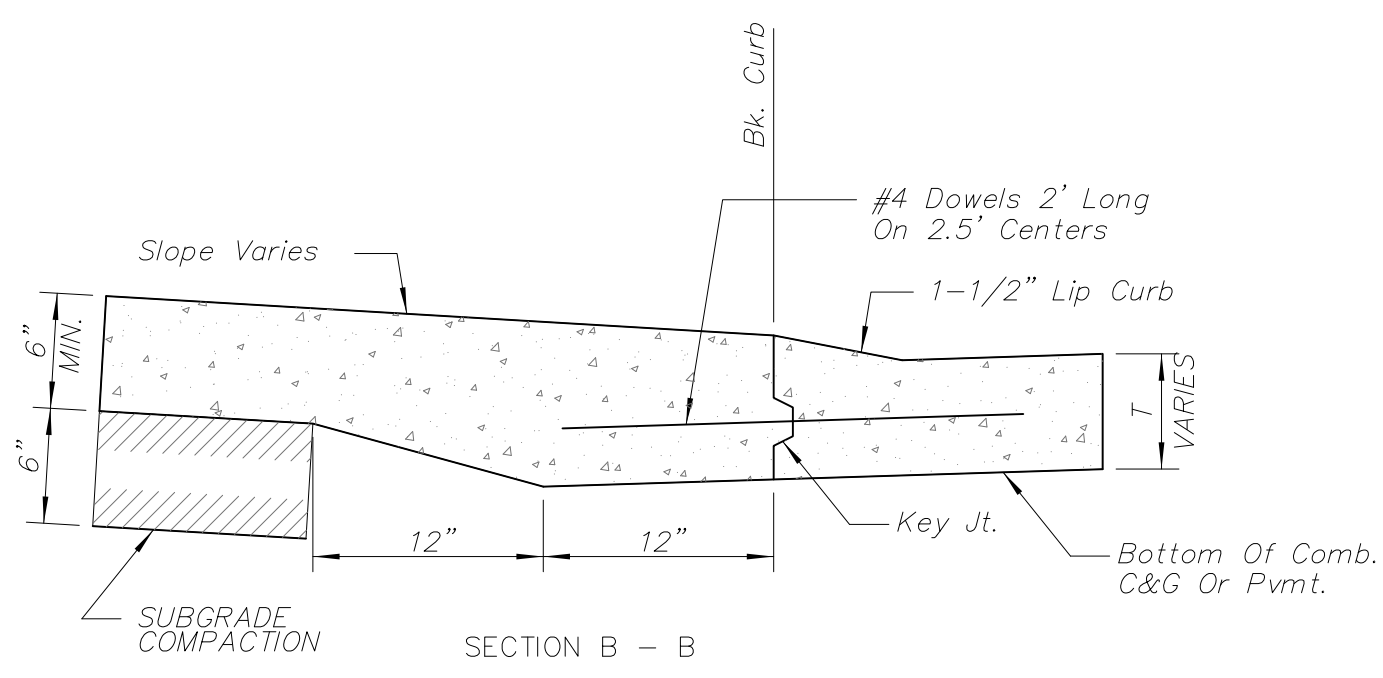


Combined Curb & Gutter (1 1/2")

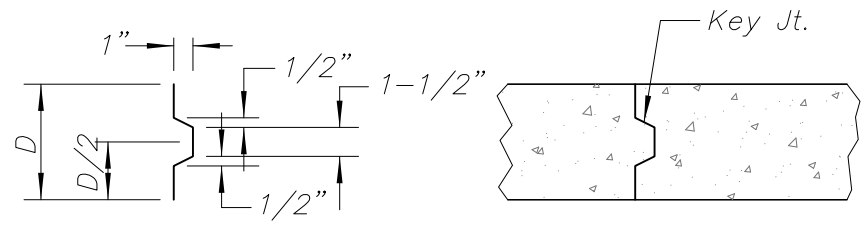
T\* = Thickness of curb to adjust with pavement thickness

GENERAL NOTES

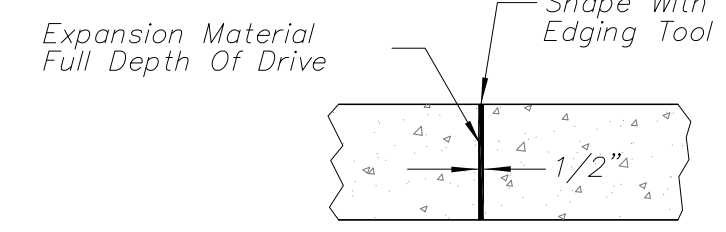
- Expansion (isolation) joints shall be constructed a maximum of 300' apart and at all Pls, PCs, cul-de-sac quadrants, and ends of returns.
- Contraction joints shall be constructed a minimum of 12' apart.
- Joint sealer shall be required at all joints on arterial and industrial streets and at intersections on residential streets.



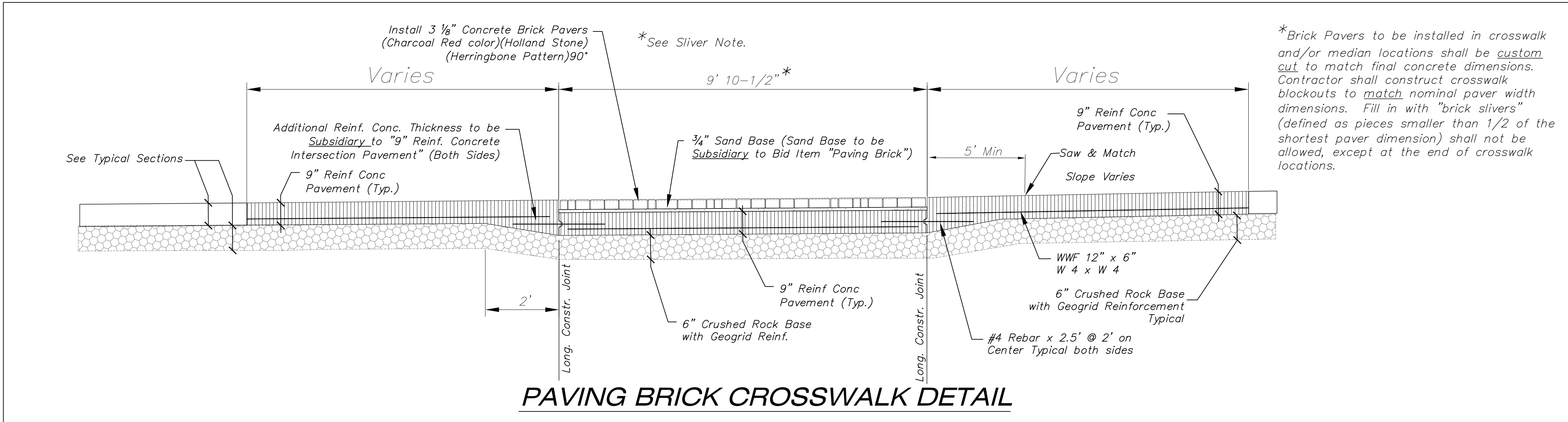
BACK OF CURB DETAIL




ALT. LONGITUDINAL CONSTRUCTION JOINT



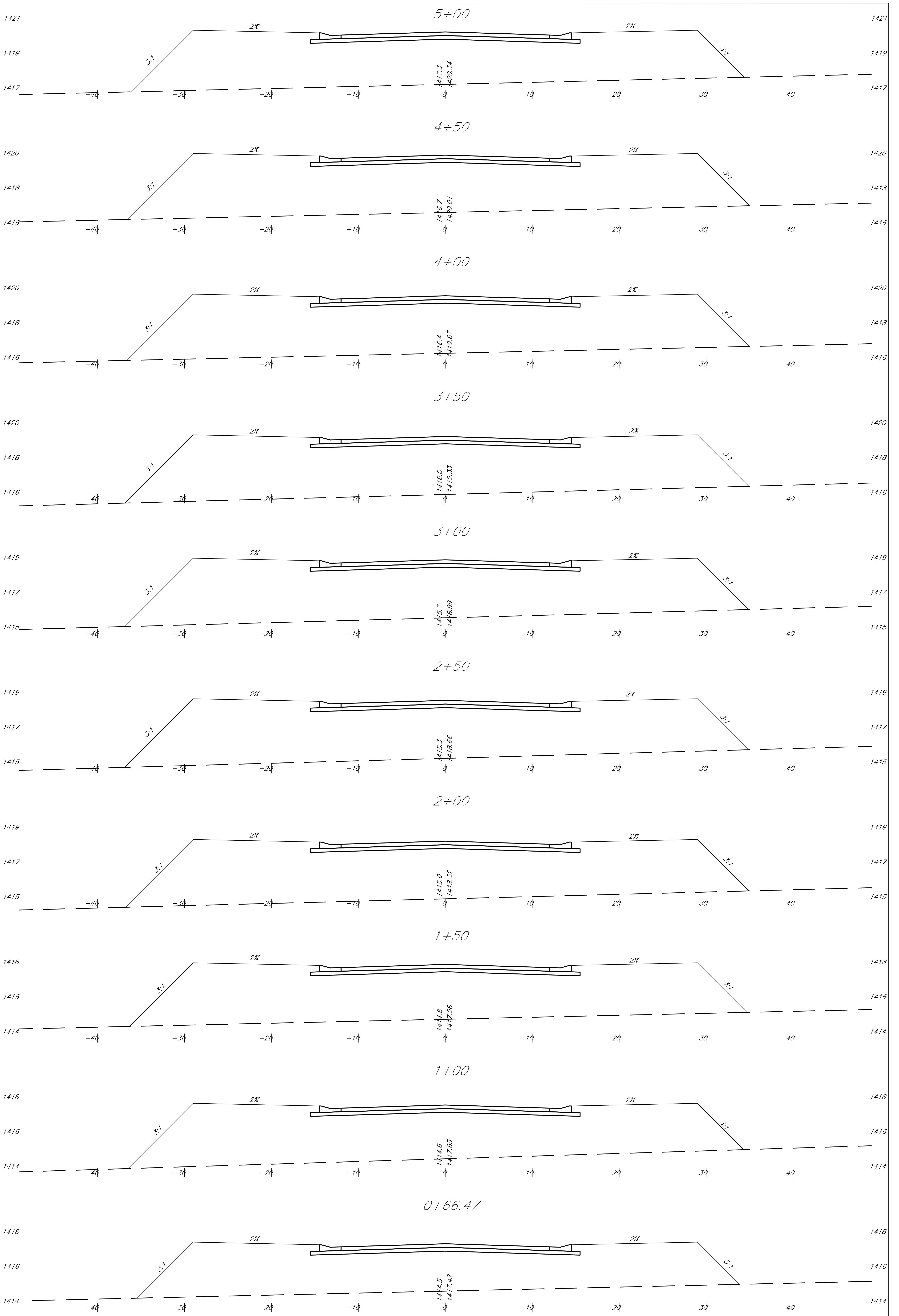
EXPANSION JOINT (E.J.)



PAVING BRICK CROSSWALK DETAIL

 <b>CITY OF WICHITA</b> PUBLIC WORKS & UTILITIES ENGINEERING DIVISION			REVISED: OCTOBER 2015 <b>CURB &amp; GUTTER &amp; PAVING BRICK CROSSWALK DETAILS</b> CITY ENGINEER <b>GARY JANZEN, P.E.</b>		
PROJECT NUMBER	OCA NUMBER	DATE			
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501			SHEET <b>4.1</b>		





5.2  
SHEET  
DATE 04/2016  
DESIGN 15073  
DRAWN AHS  
REVISIONS

Rawand Estates  
Cross Sections  
Wichita, Kansas

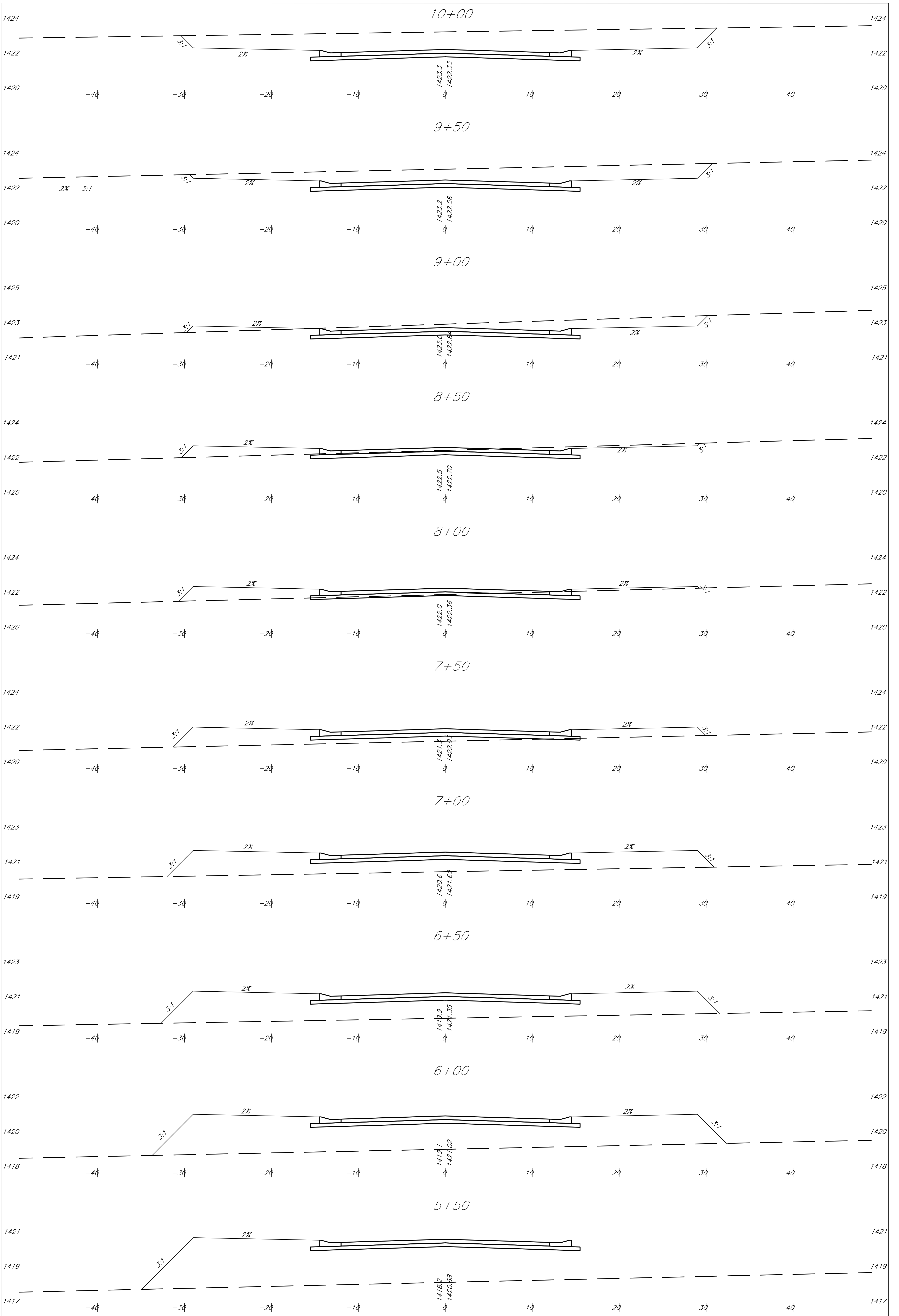
PROJECT NUMBER PROJECT NUMBER

**kemiller**  
engineering

516 S. Market,  
Wichita, KS 67202

316/264-0242

Champions Cir.



SHEET  
5.1  
OF  
5.2

Rawand Estates  
Cross Sections  
Wichita, Kansas

KEN NO.	FILE
15073	15073
DESIGN	SECTION
KM	DRAIN
AHS	REVISION
DATE	DATE
04/2016	04/2016

PROJECT NUMBER PROJECT NUMBER

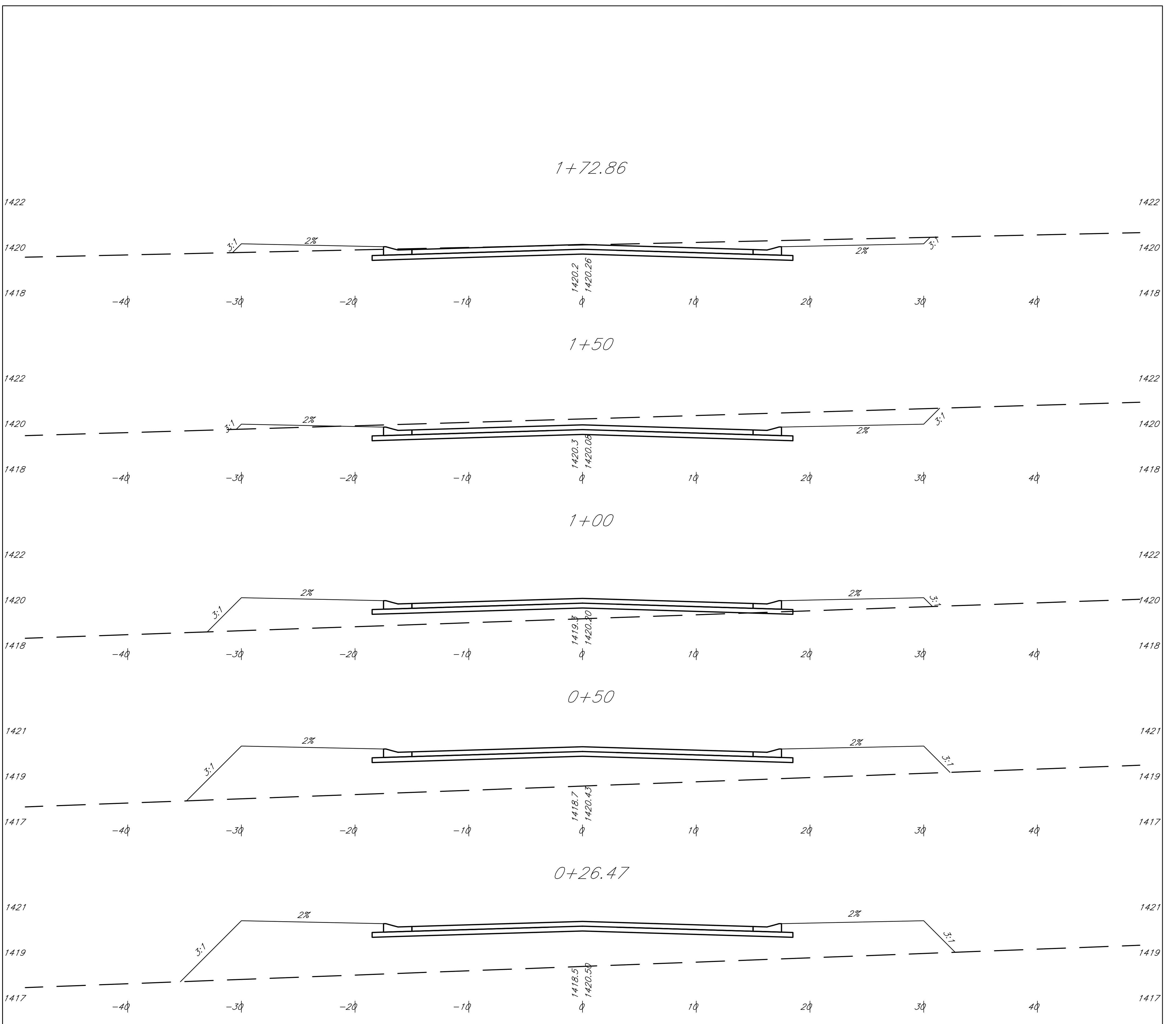
**kemiller**  
engineering



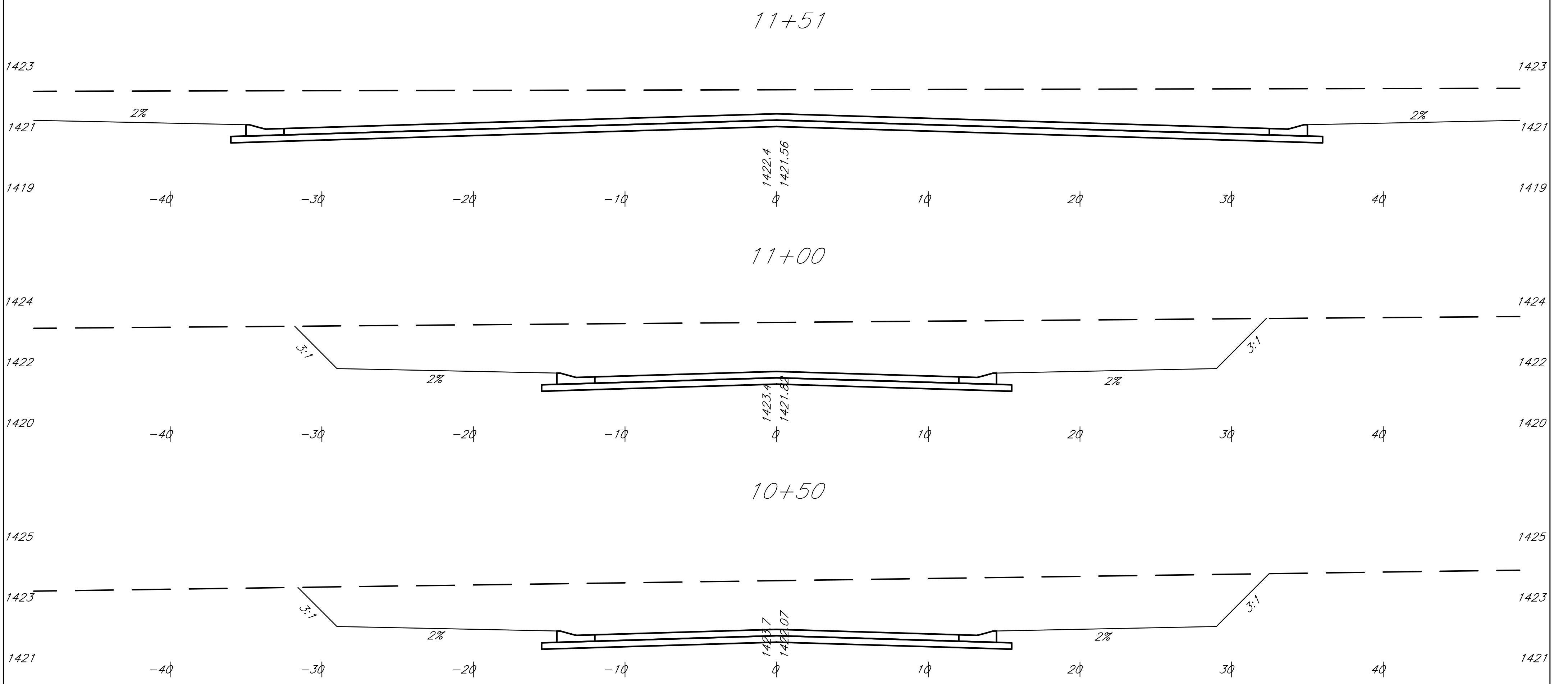
516 S. Market,  
Wichita, KS 67202

316/264-0242

Champions Cir.®



# Plumthicket St.

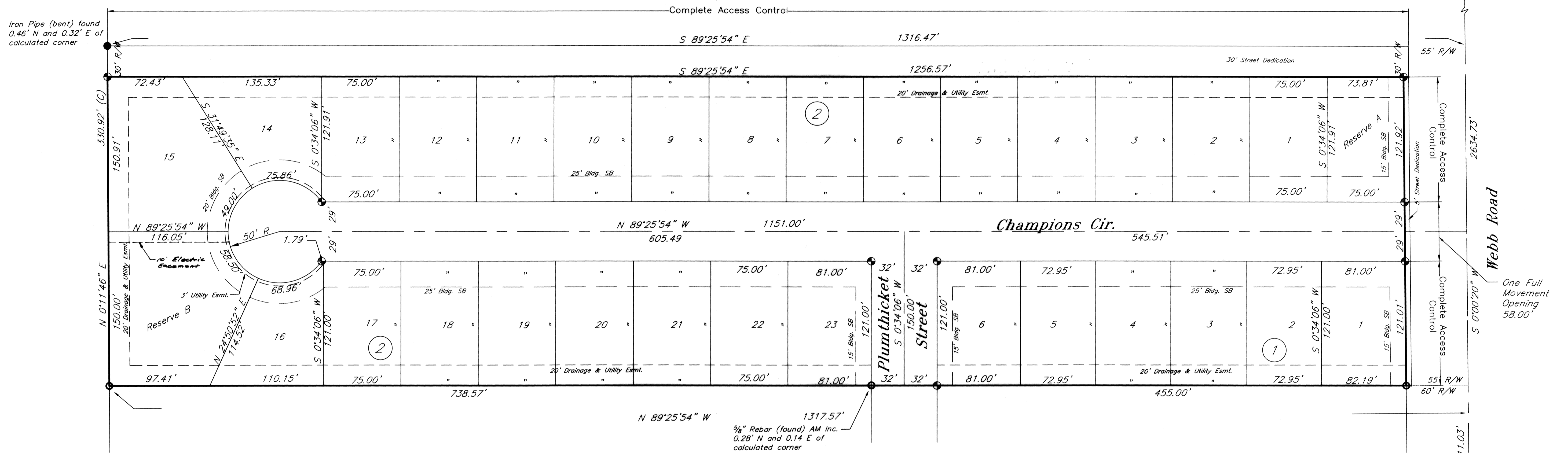


# Champions Cir.

SHEET 5.2 OF 5.2	DATE	04/2016	PROJECT NUMBER	PROJECT NUMBER
	DESIGN	KM		
FILE	15073	SECTION		
DRAWN	AHS	REVISION		
Rawand Estates <b>Cross Sections</b> Wichita, Kansas			 516 S. Market, Wichita, KS 67202 316/264-0242	

# Rawand Estates Addition Wichita, Sedgwick County, Kansas

NE 1/4, Section 29, Township 26 South, Range 2 East of the 6th. P.M.



State of Kansas )  
County of Sedgwick ) SS

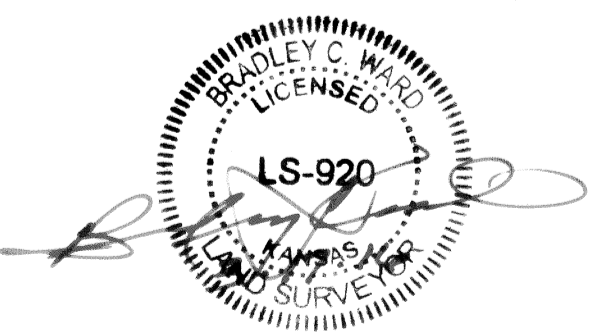
I, Bradley C. Ward, a licensed land surveyor of the State of Kansas, do hereby certify that the following described tract of land was surveyed on the 20th day of May, 2015 and the accompanying final plat prepared and that all the monuments shown herein actually exist and their positions are correctly shown to the best of my knowledge and belief:

### LEGAL DESCRIPTION

A tract of land generally located in the Northeast 1/4 of Section 29, Township 26 South, Range 2 East, of the Sixth Principal Meridian, Sedgwick County, Kansas, being the South 10 acres of the North 40 acres of the East half of the Northeast Quarter being more particularly described as:

Beginning at a point on the East line of the Northeast quarter of said Section 29, said point being 1323.75 feet South of the Northeast corner of said Northeast quarter, thence N 89°25'54" W, on the North line of Sand Plum Addition, to Wichita, Sedgwick County, Kansas, a distance of 1317.57 feet, to the Northwest corner of said addition, also being the West line of the East half of the Northeast quarter; thence N 0°11'46" E, on said West line of the East half, a distance of 330.92 feet; thence S 89° 25'54" E, parallel with the North line of Sand Plum Addition, a distance of 1316.47 feet, to the East line of said Northeast quarter; thence S 0°00'20" W, on the East line of said Northeast quarter, a distance of 330.93 feet, to the Point of Beginning.

All easements and rights-of-way within said tract are hereby vacated by virtue of KSA 12-512b amended.



Bradley C. Ward, L.S. #920

State of Kansas )  
County of Sedgwick ) SS

Know all men by these presents, that we, the undersigned, have caused the land described in the surveyor's certificate to be platted into Lots, Blocks, Streets, and Reserves to be known as Rawand Estates Addition, Wichita, Sedgwick County, Kansas. Any street dedications shown are dedicated to and for the use of the public. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. Any utility easements are hereby granted as indicated for construction and maintenance of all public utilities. The access controls are hereby granted to the appropriate governing body as shown hereon. No obstructions shall be constructed or placed within the street stubs providing future access to adjacent properties. Reserves A and B are platted for stormwater detention, utilities confined within easements, landscaping, irrigation and beautification and shall be owned and maintained by the owners of Rawand Estates Addition. A drainage plan has been developed for the plat and that all drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of stormwater. And further that the land contained herein is held and shall be conveyed subject to any applicable restrictions, reservations and covenants now on file or hereafter filed in the Office of the Register of Deeds of Sedgwick County, Kansas. All abutter's right of access to and from Webb Road and 44th Street North is hereby granted to the appropriate governing body as shown on the plat. Reserve A and B are hereby platted for drainage, stormwater detention, landscaping, signage, and utilities confined to easements. Reserves A and B shall be owned and maintained by the Rawand Estates Homeowner's Association.

By: Thafer A. Gheith, Manager, Elite USA Construction, LLC, owner  
3-14-16 date

State of Kansas )  
County of Sedgwick ) SS

This instrument was acknowledged before me on this 14th day of March, 2016, Elite USA Construction, LLC, owner, Thafer A. Gheith, Manager.

Kasandra Dora Samblom  
Notary Public  
My Commission Expires: Nov 18, 2017

State of Kansas )  
City of Wichita ) SS

This plat of Rawand Estates Addition, Wichita, Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 20th day of August, 2016, 2016.

Carol Chapman Neugebauer, Chair  
Dale Miller, Secretary



State of Kansas )  
City of Wichita ) SS

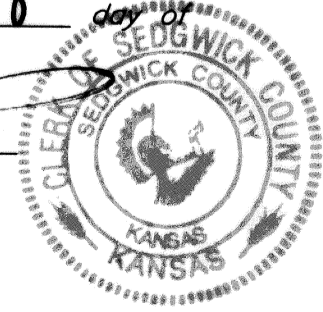
This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 12th day of April, 2016.

At the Direction of the City Council

Jeff Longwell, Mayor  
Karen Sublett, City Clerk

Entered on transfer record this 18th day of May, 2016.

Kelly B. Arnold, County Clerk



State of Kansas )  
County of Sedgwick ) SS

This is to certify that this plat has been filed for record in the Office of the Register of Deeds this 19th day of May, 2016, at 11:26:14 o'clock A.M. and is duly recorded.

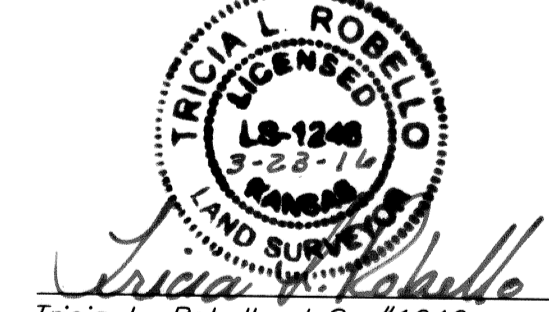
Tonya Buckingham  
Tonya Buckingham, Register of Deeds



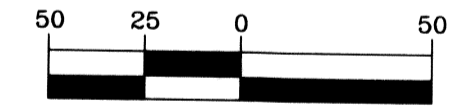
Sedgwick County Register of Deeds  
Doc. #/Film-Pg: 28608343  
Recorded: 05/19/2016 11:26:14 AM

Judy J. Paget  
Judy J. Paget, Deputy

Reviewed in accordance with K.S.A. 58-2005 on this 23rd day of March, 2016.



Tricia L. Robello, L.S. #1246  
Deputy County Surveyor  
Sedgwick County, Kansas



( IN FEET )  
1 inch = 50 ft.

### PLAT LEGEND

- 1/2" Iron Pipe (found)
- 5/8" Rebar (found) Garber
- 5/8" Rebar (found) AMINC CLS #104
- ⊕ 5/8" Rebar (set) KEMPA CLS #157

15073 Plat\Rawana Final Plat.dwg prepared: 12-17-15