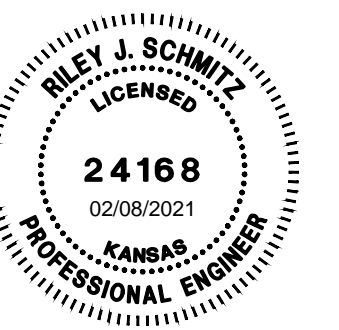


PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

CONSTRUCTION PLANS FOR

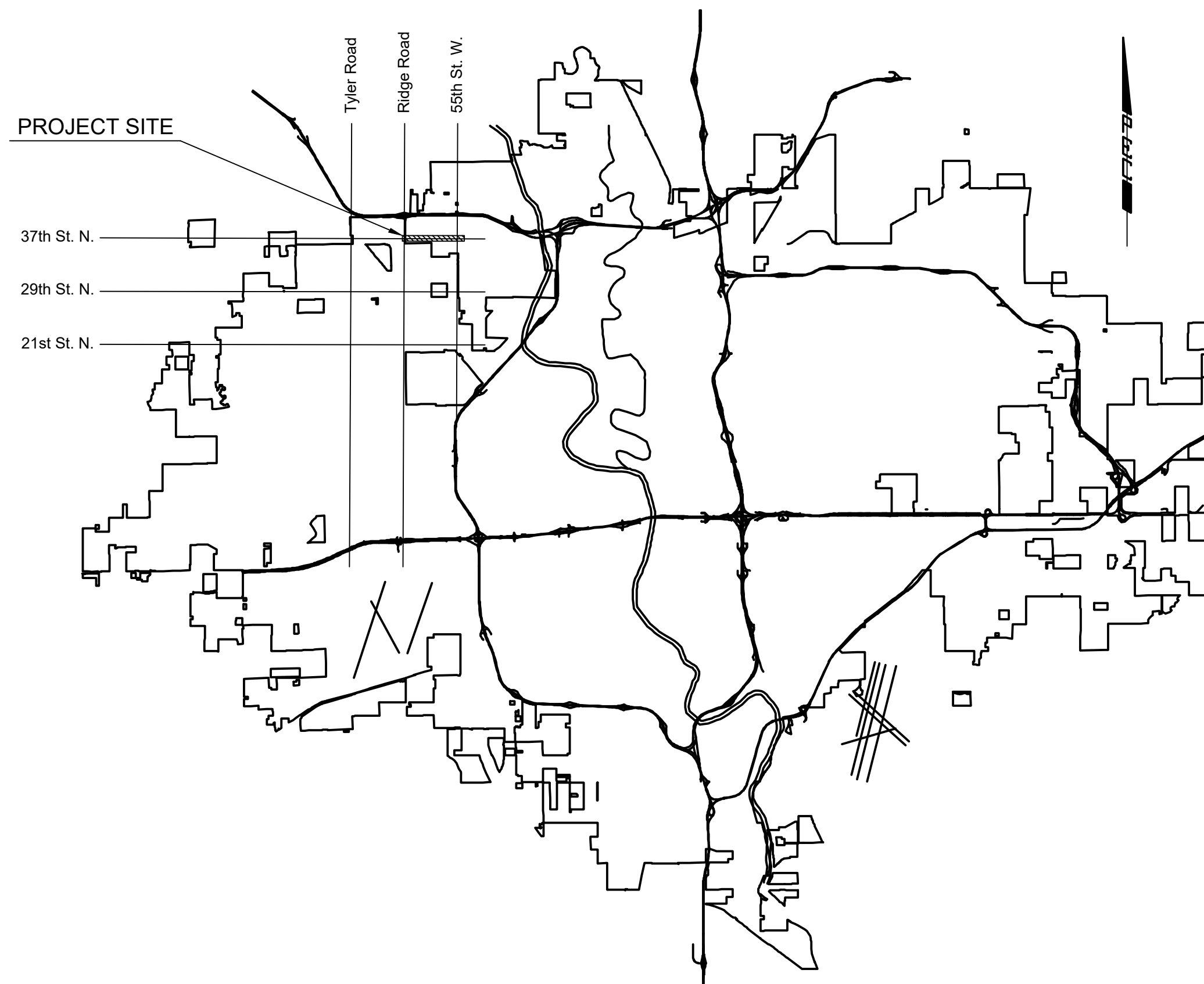
37TH ST N. SIDEWALK-RIDGE TO RIDGEPORT

CITY OF WICHITA PROJECT NO. 472-2020-085614
ORG NO. 40102920



INDEX OF SHEETS

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3	C003	TYPICAL SECTIONS
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8	CP105	STA. 219+00 TO STA. 224+00
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11	CP108	COORDINATE GEOMETRY PLAN
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22	CP513	BMP STANDARD
23	CP514	BMP STANDARD
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25	CT101	SIGNAL PLAN
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36	CX607	37TH STREET N
37	CX608	37TH STREET N
38	CX609	37TH STREET N
39	CX610	37TH STREET N
40	CX611	37TH STREET N
41	CX612	37TH STREET N



CITY OF WICHITA, KANSAS

GARY JANZEN, P.E. - CITY ENGINEER

FEBRUARY 2021

37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2020-085614
SEDGWICK COUNTY, KANSAS

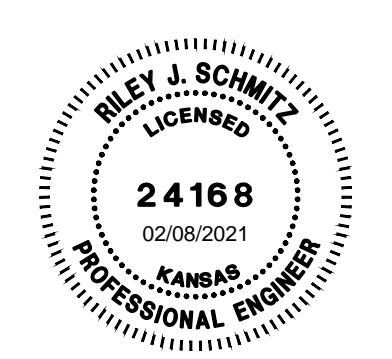
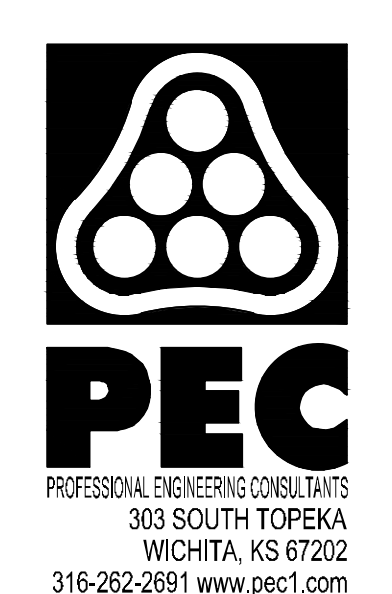
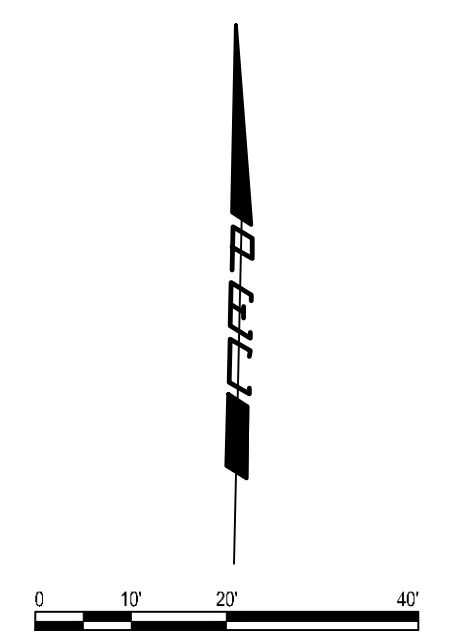
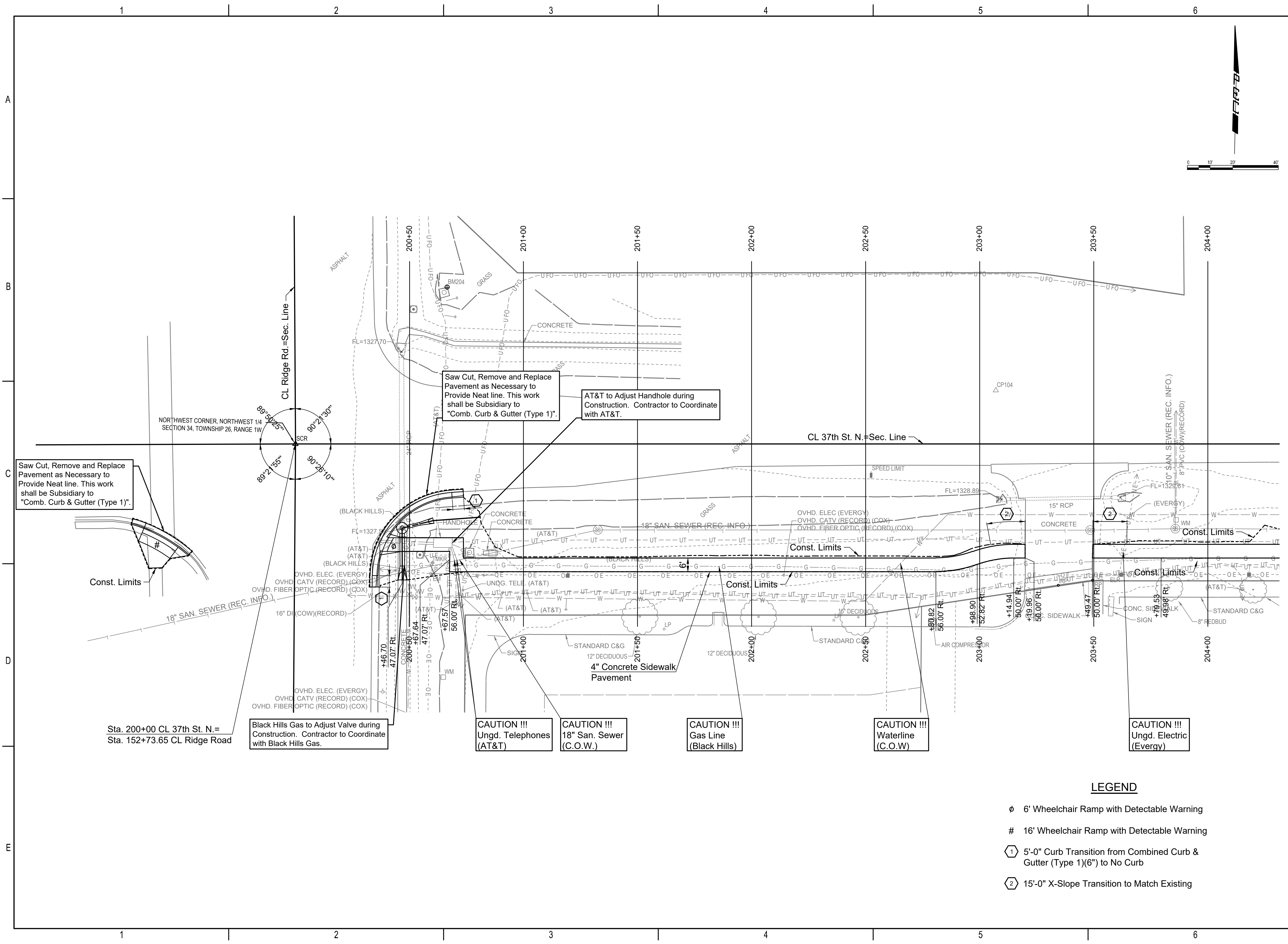
Issue:		

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

TITLE SHEET

C001
1 OF 41

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

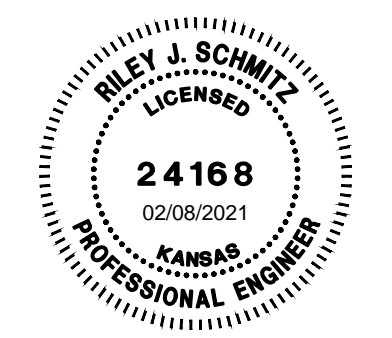
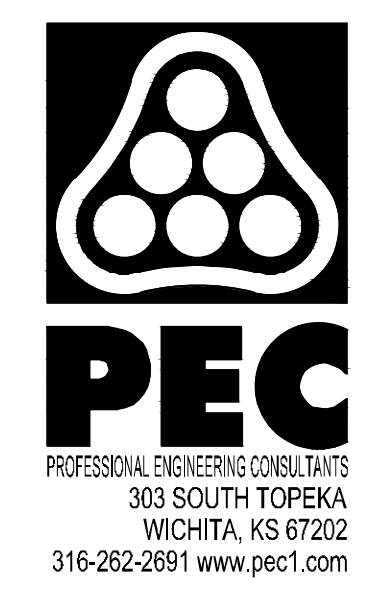
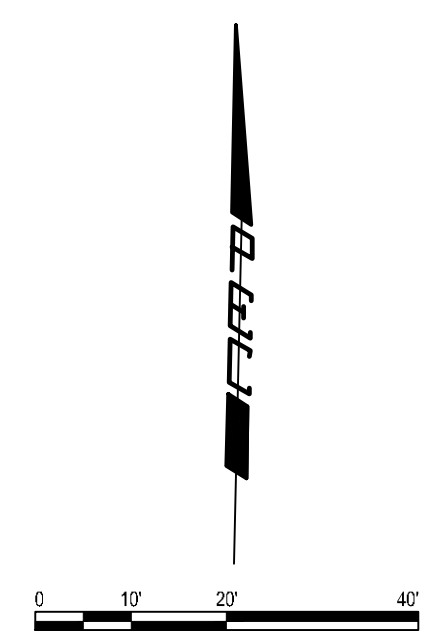
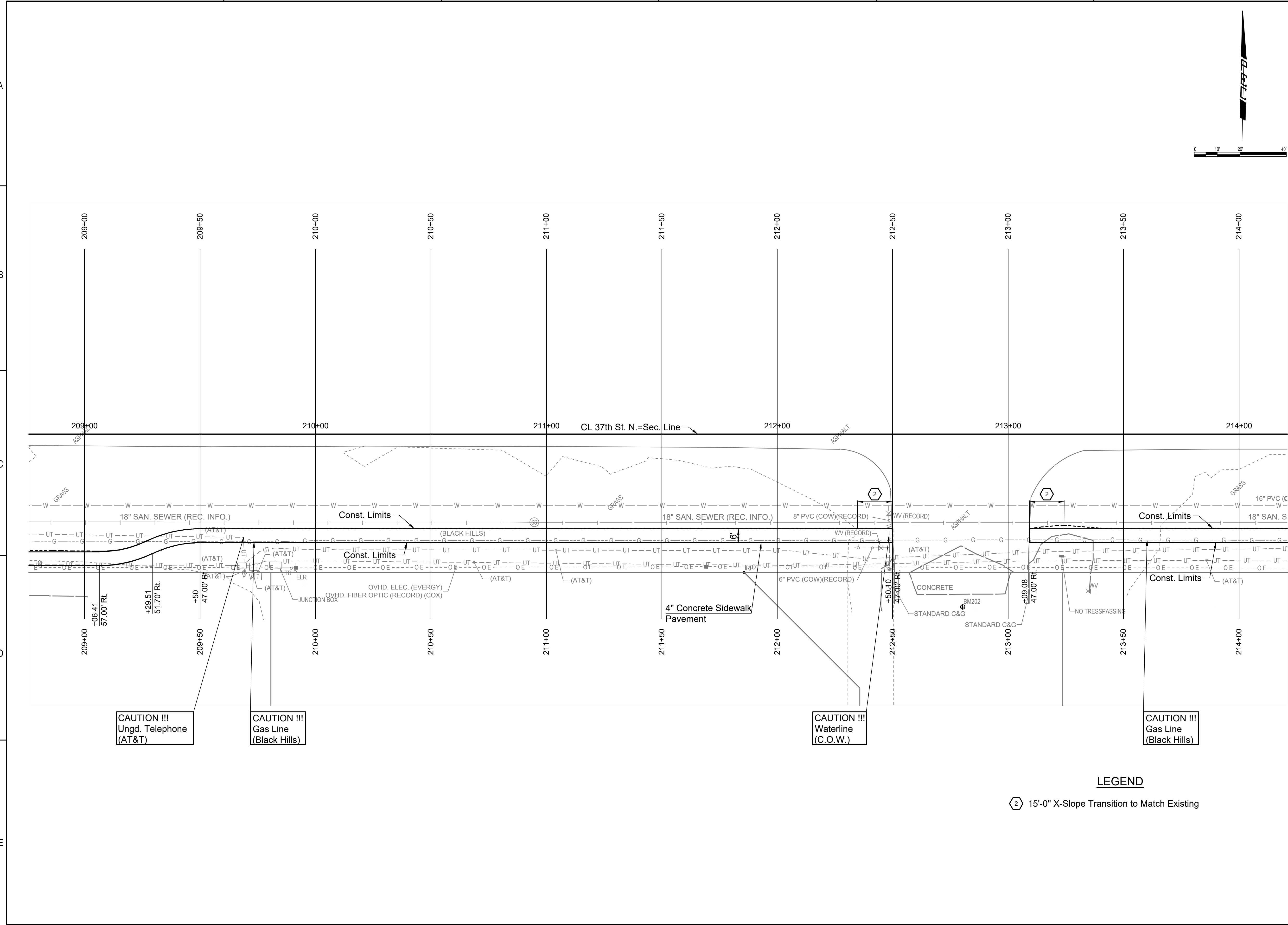
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

LEGEND

- ⌀ 6' Wheelchair Ramp with Detectable Warning
- # 16' Wheelchair Ramp with Detectable Warning
- ① 5'-0" Curb Transition from Combined Curb & Gutter (Type 1)(6") to No Curb
- ② 15'-0" X-Slope Transition to Match Existing

Issue:	
JOB NO.	207042-001
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CHECKED BY	RJS
STA.	199+00 TO STA. 204+00

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

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 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

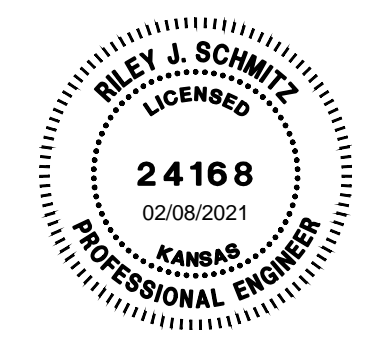
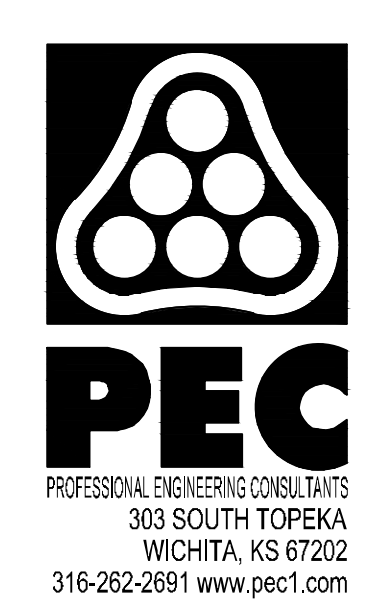
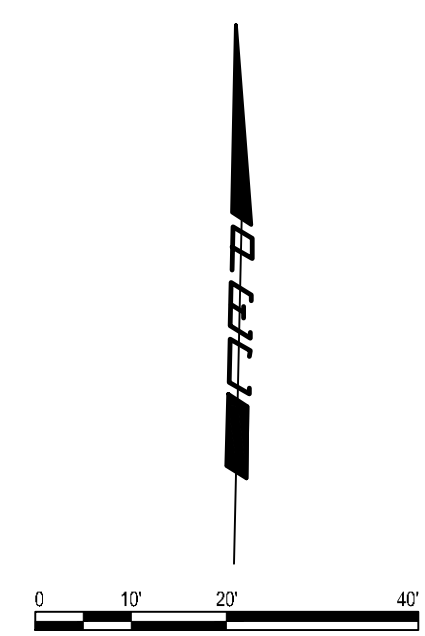
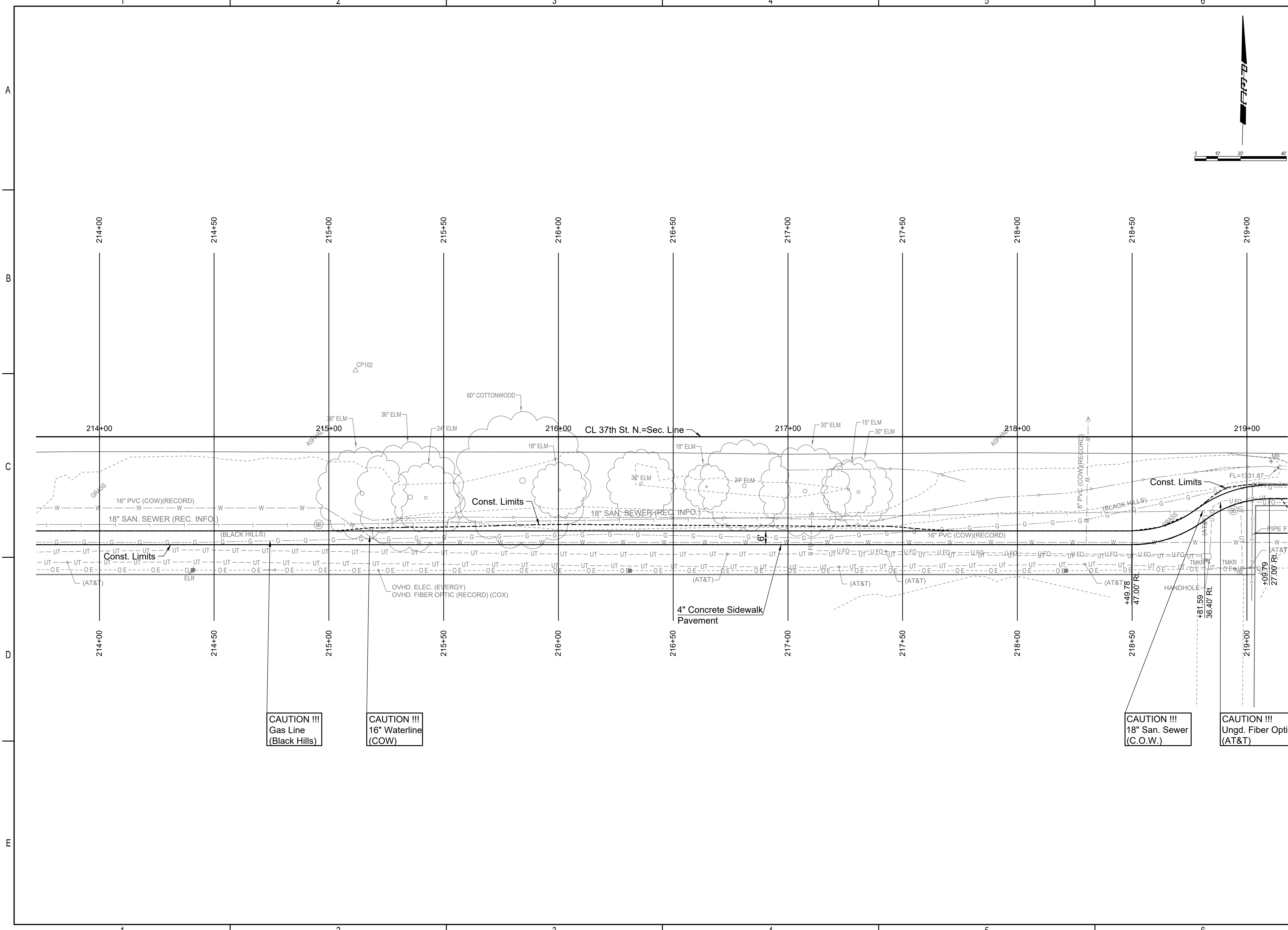
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DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

STA. 209+00 TO STA. 214+00

LEGEND

② 15'-0" X-Slope Transition to Match Existing

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

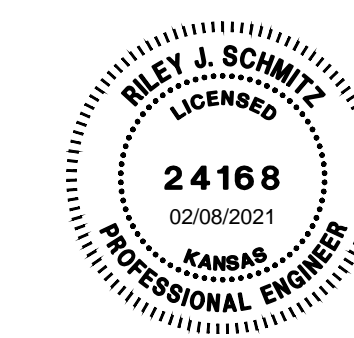
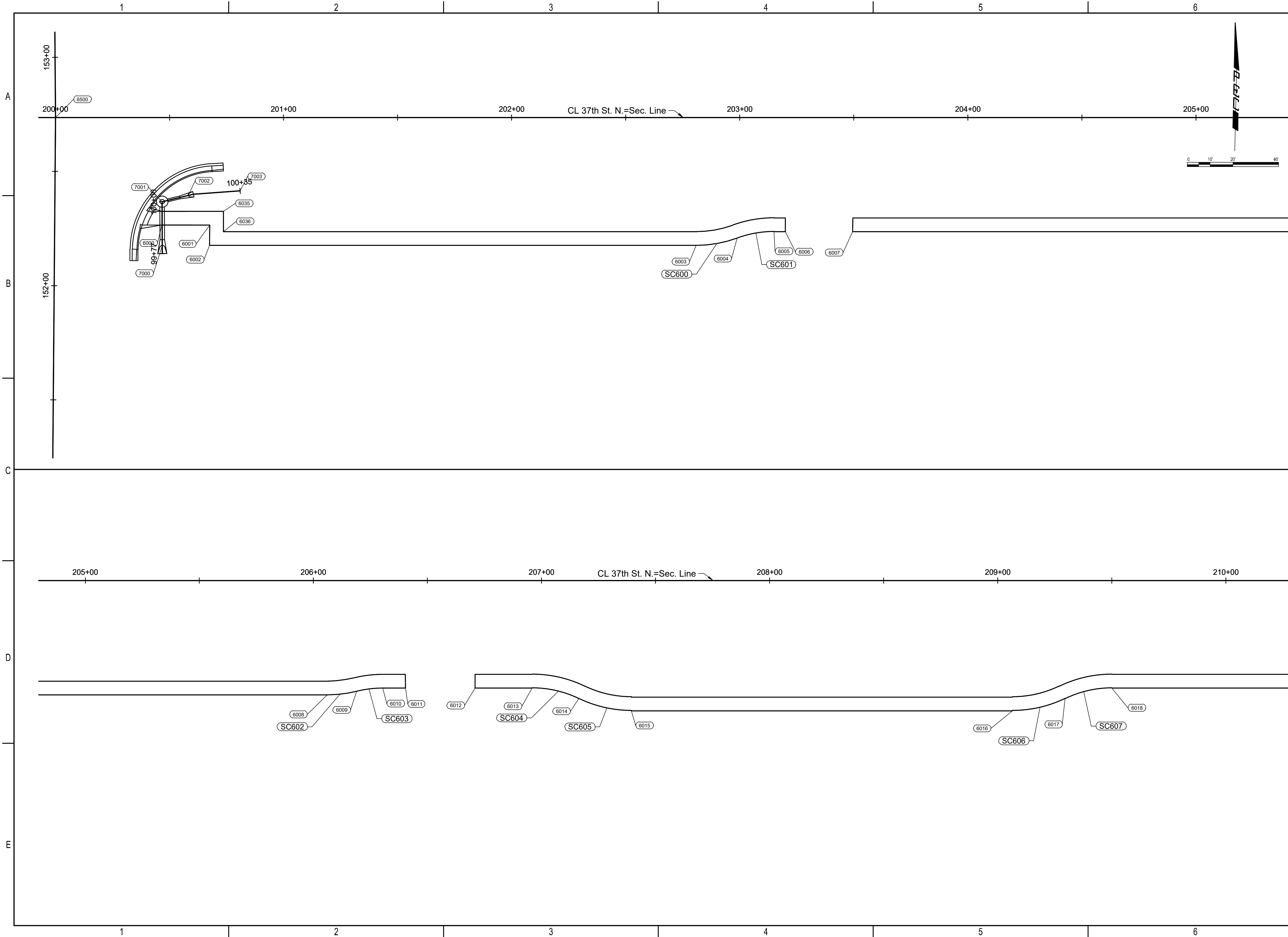
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 SEDGWICK COUNTY, KANSAS

Issue:	

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STA. 214+00 TO STA. 219+00

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 PLAN.DWG



**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

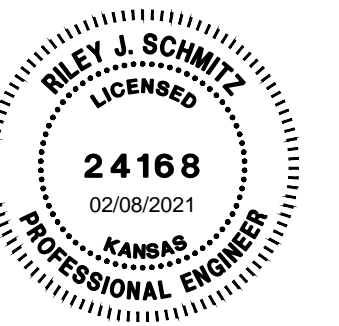
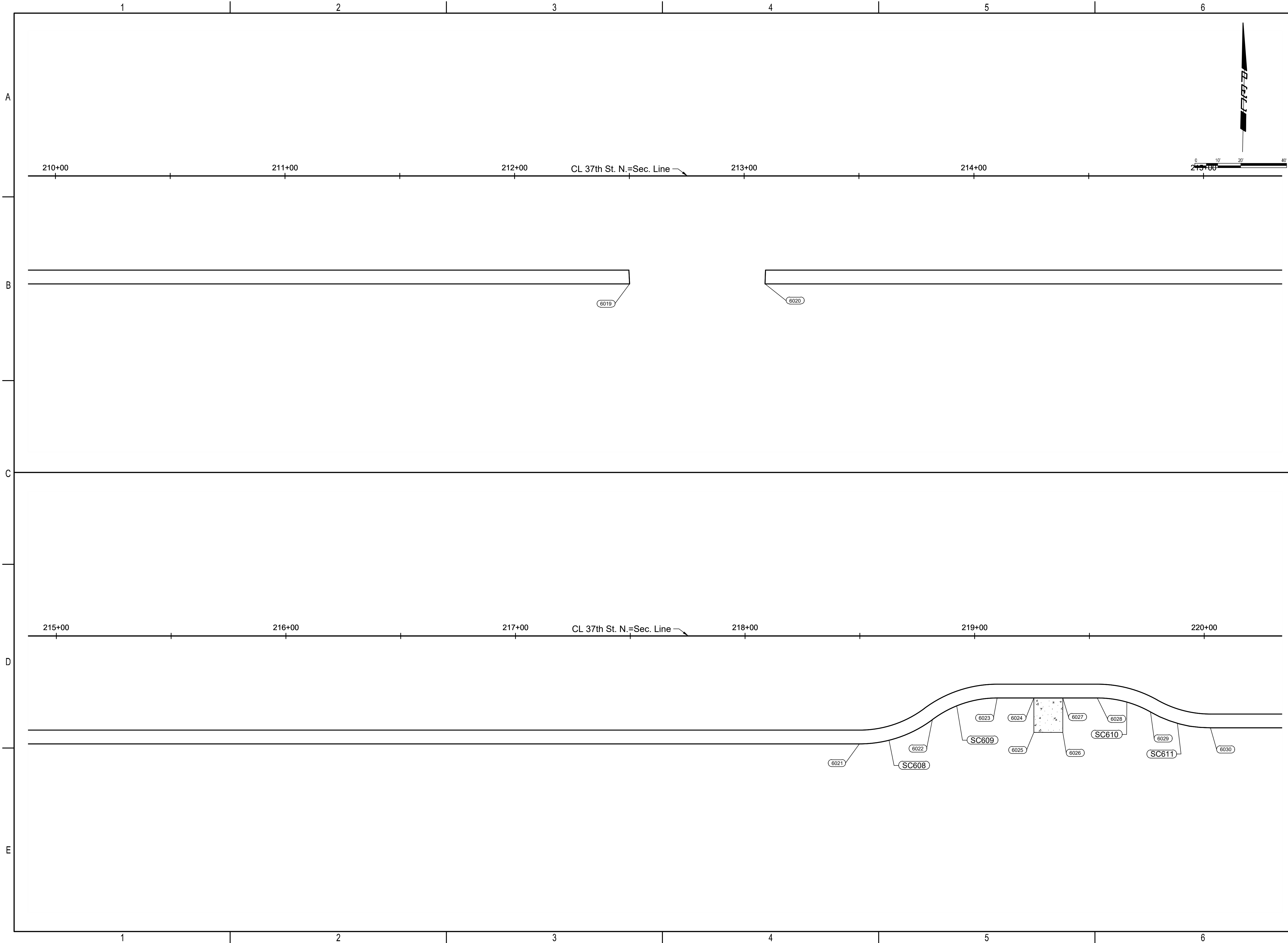
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 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
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CHECKED BY	RJS

COORDINATE GEOMETRY
 PLAN

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 PLAN.DWG



**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

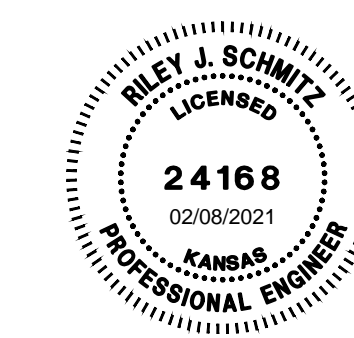
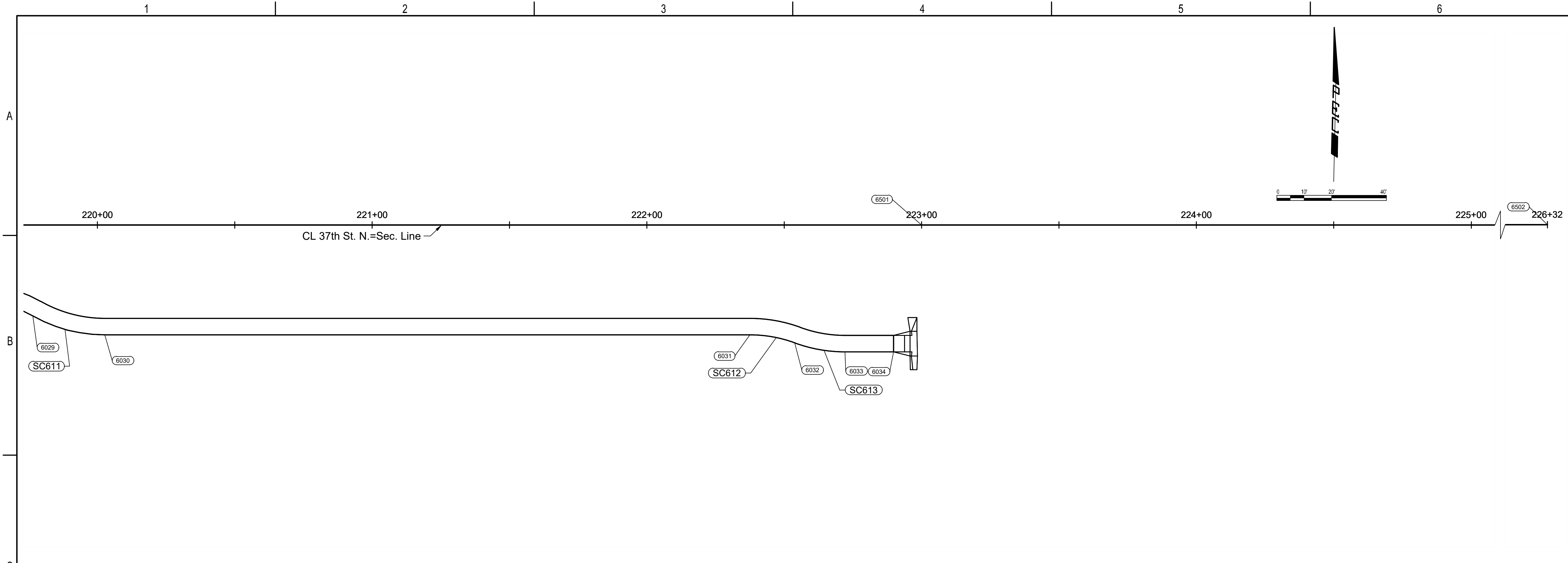
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
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CHECKED BY	RJS

COORDINATE GEOMETRY
 PLAN

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

COORDINATE LIST			COORDINATE LIST		
POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
6000	1,709,330.4551	1,622,807.2827	6020	1,709,357.5823	1,624,069.3787
6001	1,709,330.9041	1,622,828.2228	6021	1,709,369.1719	1,624,609.9537
6002	1,709,321.9732	1,622,828.3457	6022	1,709,380.4511	1,624,641.5192
6003	1,709,326.5441	1,623,041.5469	6023	1,709,390.4534	1,624,669.5113
6004	1,709,330.1110	1,623,059.5568	6024	1,709,390.7957	1,624,685.4773
6005	1,709,333.2741	1,623,075.5279	6025	1,709,375.7991	1,624,685.7982
6006	1,709,333.3816	1,623,080.5461	6026	1,709,376.0690	1,624,698.3869
6007	1,709,334.0141	1,623,110.0468	6027	1,709,391.0656	1,624,698.0654
6008	1,709,339.5141	1,623,366.5814	6028	1,709,391.3873	1,624,713.0707
6009	1,709,341.3799	1,623,379.4289	6029	1,709,385.7754	1,624,736.3698
6010	1,709,343.0345	1,623,390.8244	6030	1,709,379.4471	1,624,762.6432
6011	1,709,343.2473	1,623,400.7722	6031	1,709,384.4688	1,624,997.4346
6012	1,709,343.9009	1,623,431.2898	6032	1,709,381.9277	1,625,013.7651
6013	1,709,344.4373	1,623,456.2556	6033	1,709,379.0483	1,625,032.1680
6014	1,709,340.1777	1,623,476.8380	6034	1,709,379.4260	1,625,049.7878
6015	1,709,335.3743	1,623,500.0480	6035	1,709,337.0323	1,622,834.1390
6016	1,709,338.9540	1,623,667.0141	6036	1,709,328.1015	1,622,834.2619
6017	1,709,344.7477	1,623,689.9969			
6018	1,709,349.8855	1,623,710.3778			
6019	1,709,356.3181	1,624,010.4138			

37TH ST. N. ALIGNMENT

COORDINATE LIST		
POINT	NORTHING	EASTING
6500	1,709,376.5120	1,622,759.5890
6501	1,709,425.8113	1,625,059.0602
6502	1,709,432.9230	1,625,390.7725

STORM WATER SEWER

COORDINATE LIST		
POINT	NORTHING	EASTING
7000	1,709,321.5167	1,622,807.6416
7001	1,709,340.6050	1,622,807.1160
7002	1,709,343.6445	1,622,818.5523
7003	1,709,346.1048	1,622,841.2340

CURVE DATA

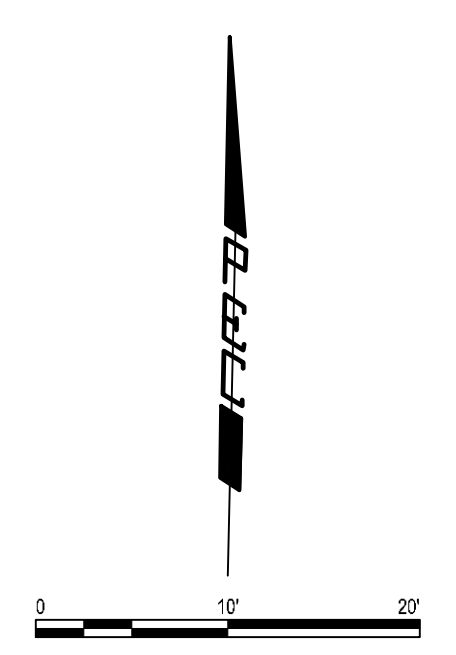
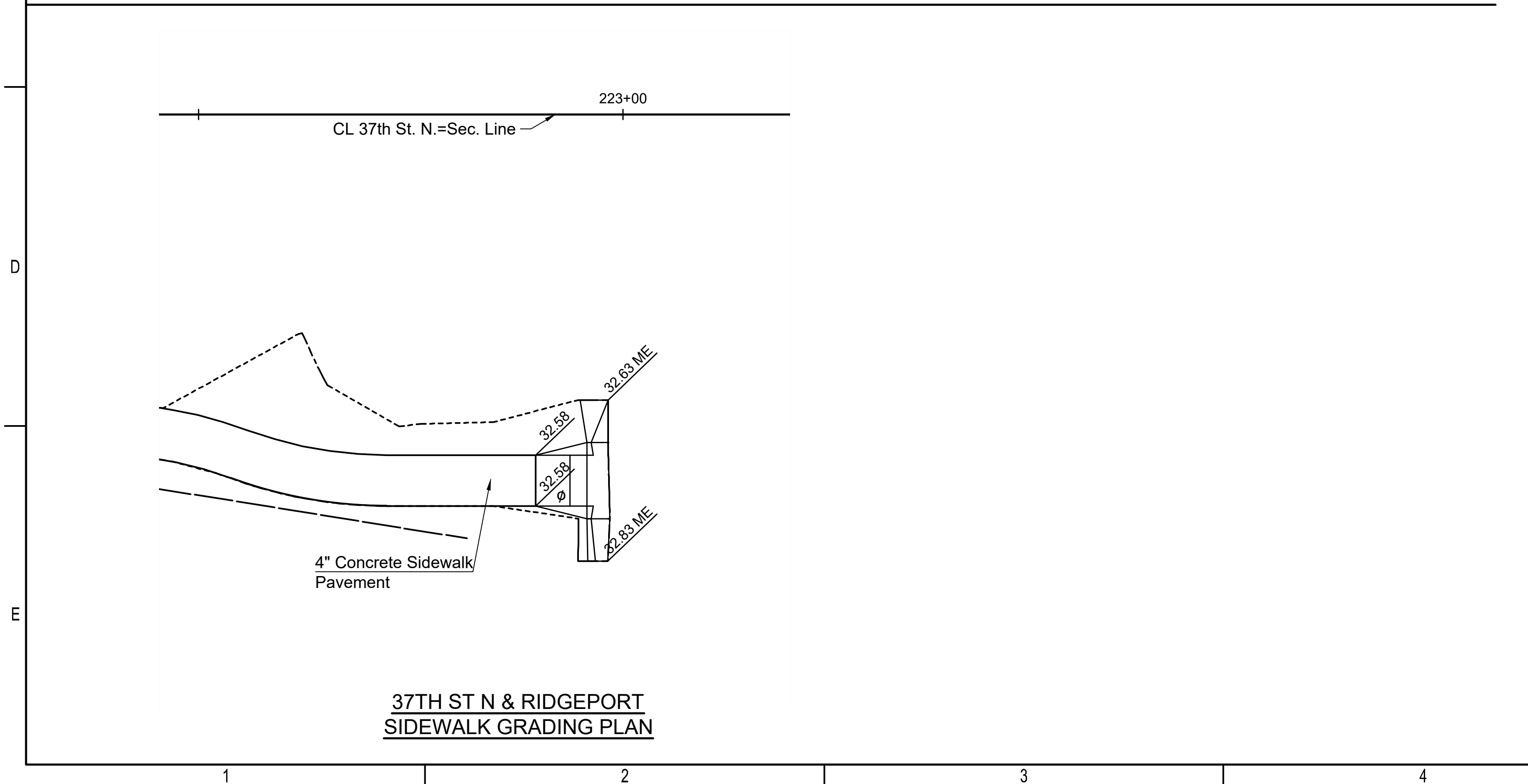
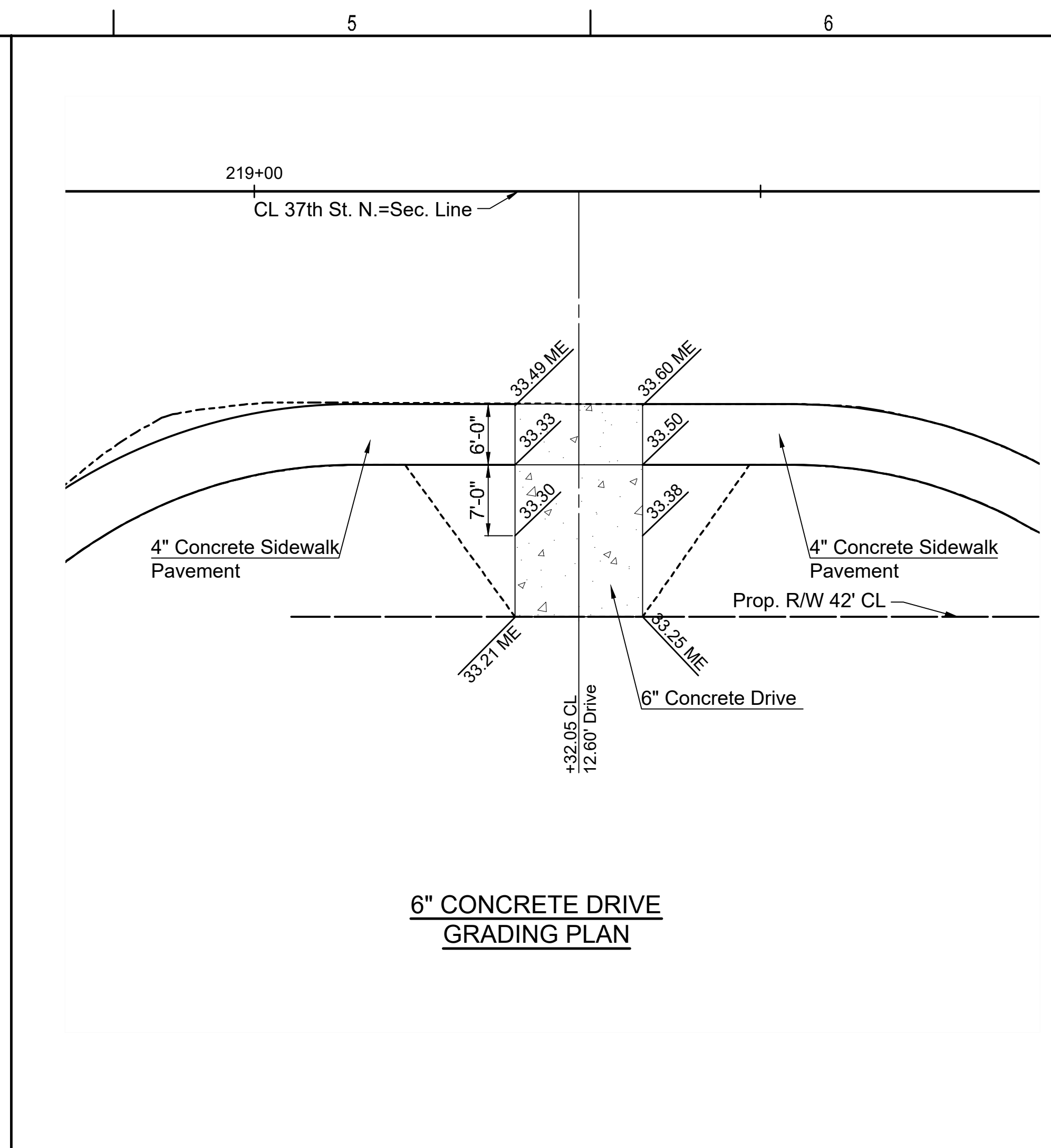
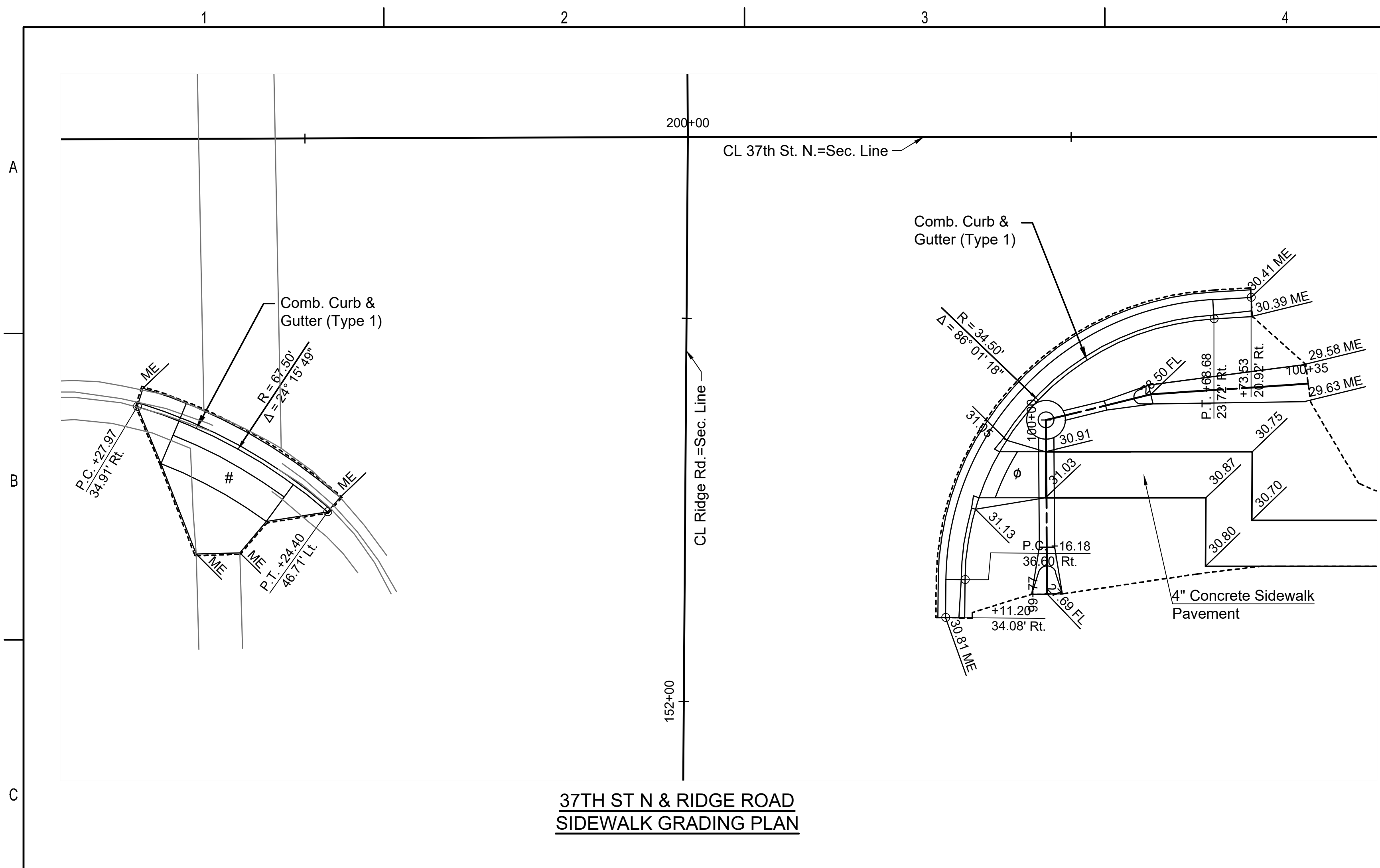
CURVE #	DELTA	RADIUS (FT.)	T (FT.)	LENGTH (FT.)	P.C. NORTHING	P.C. EASTING	P.T. NORTHING	P.T. EASTING
SC600	019°56'54"	53.00	9.32	18.45	1,709,326.5441	1,623,041.5469	1,709,330.1110	1,623,059.5568
SC601	019°56'54"	47.00	8.27	16.36	1,709,330.1110	1,623,059.5568	1,709,333.2741	1,623,075.5279
SC602	014°04'12"	53.00	6.54	13.01	1,709,339.5141	1,623,366.5814	1,709,341.3799	1,623,379.4289
SC603	014°04'22"	47.00	5.80	11.54	1,709,341.3799	1,623,379.4289	1,709,343.0345	1,623,390.8244
SC604	025°50'29"	47.00	10.78	21.20	1,709,344.4373	1,623,456.2556	1,709,340.1777	1,623,476.8380
SC605	025°50'29"	53.00	12.16	23.90	1,709,340.1777	1,623,476.8380	1,709,335.3743	1,623,500.0480
SC606	025°50'29"	53.00	12.16	23.90	1,709,338.9540	1,623,667.0141	1,709,344.7477	1,623,689.9969
SC607	025°50'29"	47.00	10.78	21.20	1,709,344.7477	1,623,689.9969	1,709,349.8855	1,623,710.3778
SC608	036°52'12"	53.00	17.67	34.11	1,709,369.1719	1,624,609.9537	1,709,380.4511	1,624,641.5192
SC609	036°52'12"	47.00	15.67	30.24	1,709,380.4511	1,624,641.5192	1,709,390.4534	1,624,669.5113
SC610	029°32'29"	47.00	12.39	24.23	1,709,391.3873	1,624,713.0707	1,709,385.7754	1,624,736.3698
SC611	029°32'29"	53.00	13.97	27.33	1,709,385.7754	1,624,736.3698	1,709,379.4471	1,624,762.6432
SC612	020°25'17"	46.62	8.40	16.61	1,709,384.4688	1,624,997.4346	1,709,381.9277	1,625,013.7651
SC613	020°14'30"	53.00	9.46	18.72	1,709,381.9277	1,625,013.7651	1,709,379.0483	1,625,032.1680

Issue:		

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
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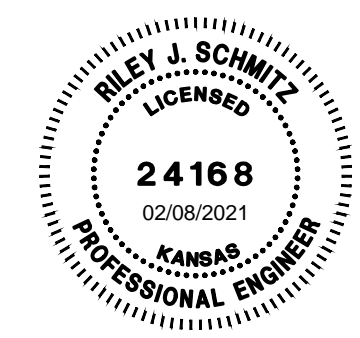
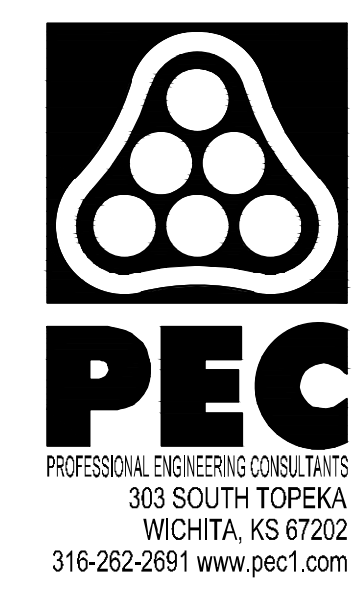
COORDINATE GEOMETRY PLAN

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LEGEND

- Ø 6' Wheelchair Ramp with Detectable Warning
- # 16' Wheelchair Ramp with Detectable Warning
- ME Match Existing



**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

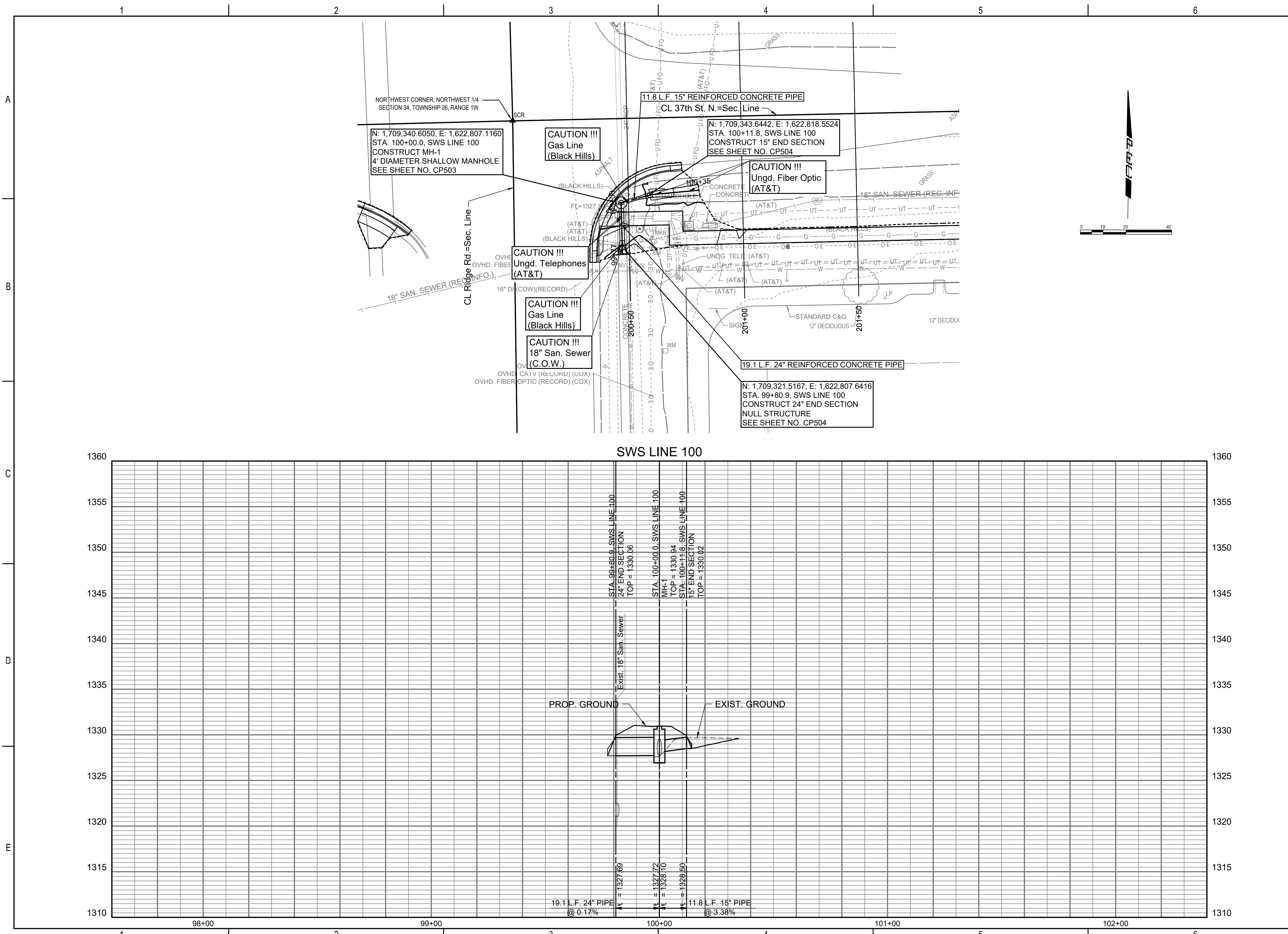
Issue:	

JOB NO.	207042-001
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DRAWN BY	BJS
CHECKED BY	RJS

GRADING PLAN

CP109
12 OF 41

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NORTHWEST CORNER, NORTHWEST 1/4 SECTION 34, TOWNSHIP 26, RANGE 1W
 N: 1,709,340.6050, E: 1,622,807.1160
 STA. 100+00.0, SWS LINE 100
 CONSTRUCT MH-1
 4' DIAMETER SHALLOW MANHOLE
 SEE SHEET NO. CP503

CAUTION !!!
 Gas Line
 (Black Hills)

11.8 L.F. 15" REINFORCED CONCRETE PIPE
 CL 37th St. N.=Sec. Line
 N: 1,709,343.6442, E: 1,622,818.5524
 STA. 100+11.8, SWS LINE 100
 CONSTRUCT 15" END SECTION
 SEE SHEET NO. CP504

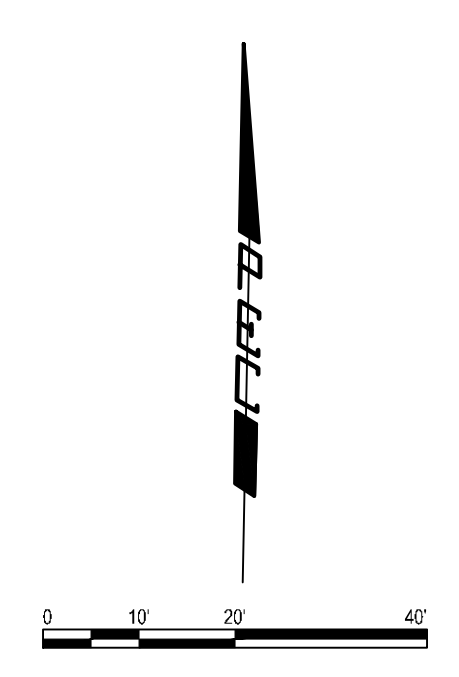
CAUTION !!!
 Ungd. Fiber Optic
 (AT&T)

CAUTION !!!
 Ungd. Telephones
 (AT&T)

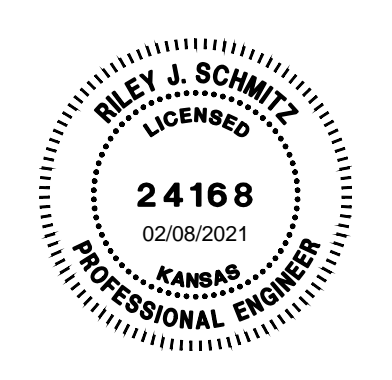
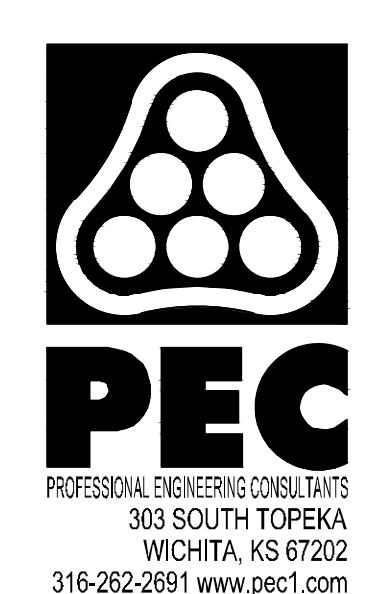
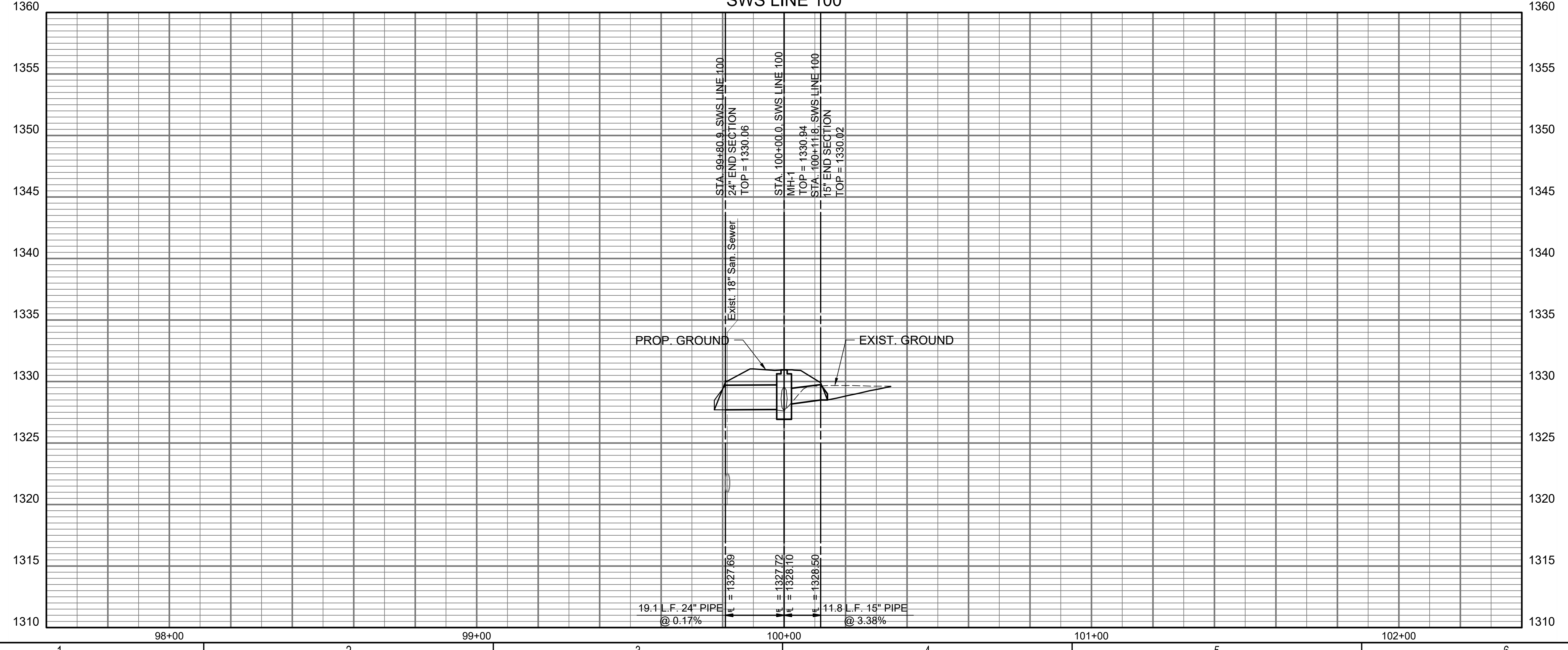
CAUTION !!!
 Gas Line
 (Black Hills)

CAUTION !!!
 18" San. Sewer
 (C.O.W.)

19.1 L.F. 24" REINFORCED CONCRETE PIPE
 N: 1,709,321.5167, E: 1,622,807.6416
 STA. 99+80.9, SWS LINE 100
 CONSTRUCT 24" END SECTION
 NULL STRUCTURE
 SEE SHEET NO. CP504



SWS LINE 100



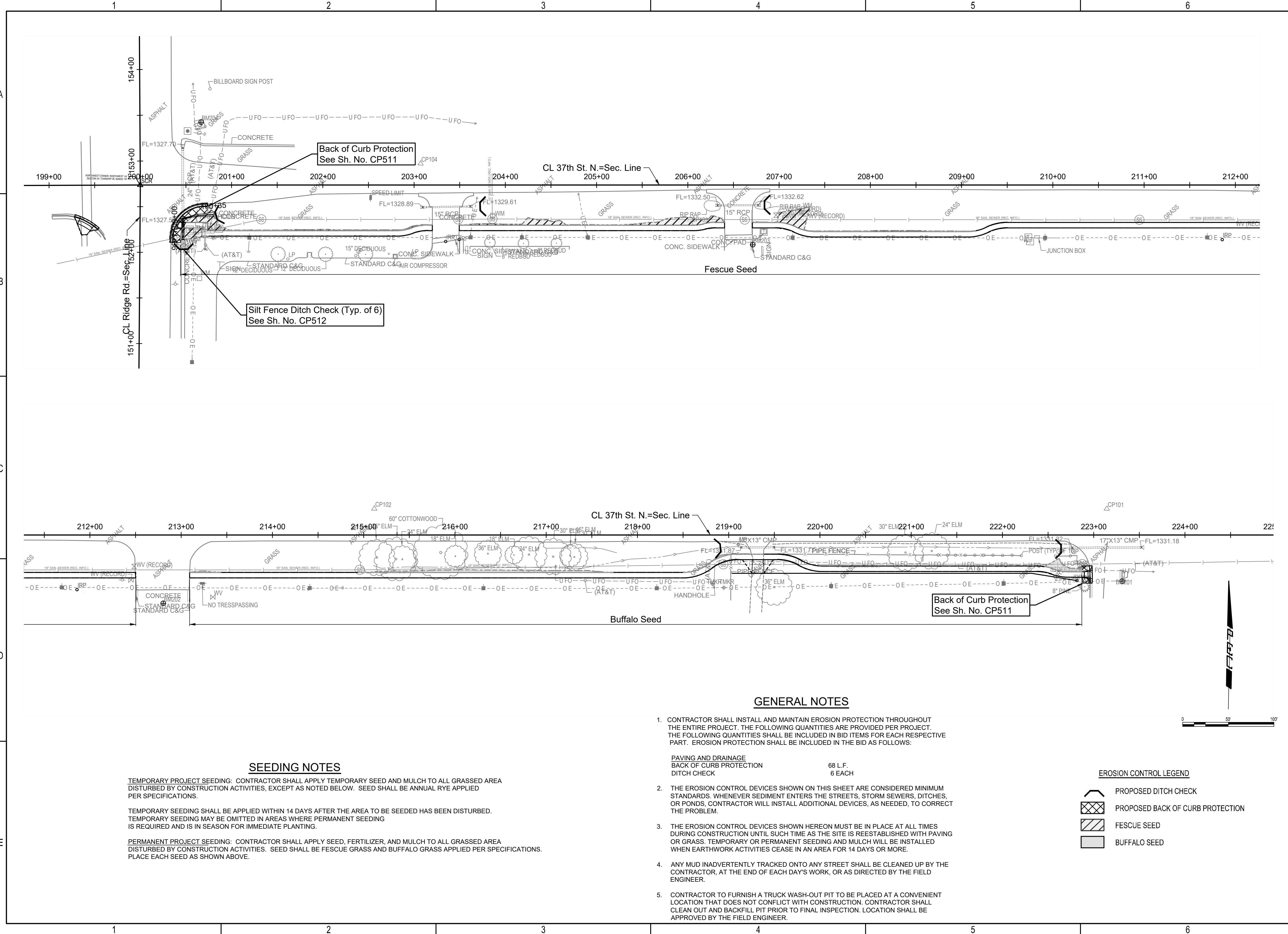
37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
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CHECKED BY	RJS

SWS LINE NO. 100

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 U:\WICHITA-CIVIL\2020\207042\001\MUNI-TRANS\DRAWINGS\207042-001-14-CP301 EROSION CONTROL PLAN.DWG



SEEDING NOTES

TEMPORARY PROJECT SEEDING: CONTRACTOR SHALL APPLY TEMPORARY SEED AND MULCH TO ALL GRASSED AREA DISTURBED BY CONSTRUCTION ACTIVITIES, EXCEPT AS NOTED BELOW. SEED SHALL BE ANNUAL RYE APPLIED PER SPECIFICATIONS.

TEMPORARY SEEDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA TO BE SEEDED HAS BEEN DISTURBED. TEMPORARY SEEDING MAY BE OMITTED IN AREAS WHERE PERMANENT SEEDING IS REQUIRED AND IS IN SEASON FOR IMMEDIATE PLANTING.

PERMANENT PROJECT SEEDING: CONTRACTOR SHALL APPLY SEED, FERTILIZER, AND MULCH TO ALL GRASSED AREA DISTURBED BY CONSTRUCTION ACTIVITIES. SEED SHALL BE FESCUE GRASS AND BUFFALO GRASS APPLIED PER SPECIFICATIONS. PLACE EACH SEED AS SHOWN ABOVE.

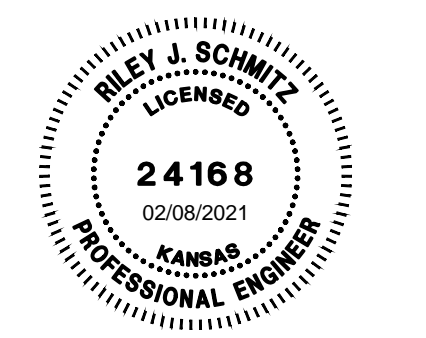
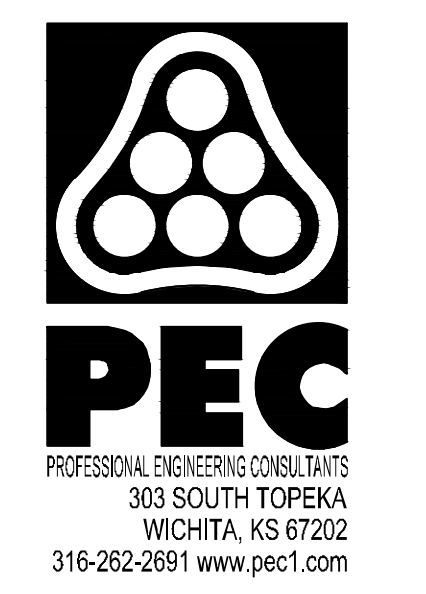
GENERAL NOTES

- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION PROTECTION THROUGHOUT THE ENTIRE PROJECT. THE FOLLOWING QUANTITIES ARE PROVIDED PER PROJECT. THE FOLLOWING QUANTITIES SHALL BE INCLUDED IN BID ITEMS FOR EACH RESPECTIVE PART. EROSION PROTECTION SHALL BE INCLUDED IN THE BID AS FOLLOWS:

PAVING AND DRAINAGE	
BACK OF CURB PROTECTION	68 L.F.
DITCH CHECK	6 EACH
- THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED MINIMUM STANDARDS. WHENEVER SEDIMENT ENTERS THE STREETS, STORM SEWERS, DITCHES, OR PONDS, CONTRACTOR WILL INSTALL ADDITIONAL DEVICES, AS NEEDED, TO CORRECT THE PROBLEM.
- THE EROSION CONTROL DEVICES SHOWN HEREON MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION UNTIL SUCH TIME AS THE SITE IS REESTABLISHED WITH PAVING OR GRASS. TEMPORARY OR PERMANENT SEEDING AND MULCH WILL BE INSTALLED WHEN EARTHWORK ACTIVITIES CEASE IN AN AREA FOR 14 DAYS OR MORE.
- ANY MUD INADVERTENTLY TRACKED ONTO ANY STREET SHALL BE CLEANED UP BY THE CONTRACTOR, AT THE END OF EACH DAY'S WORK, OR AS DIRECTED BY THE FIELD ENGINEER.
- CONTRACTOR TO FURNISH A TRUCK WASH-OUT PIT TO BE PLACED AT A CONVENIENT LOCATION THAT DOES NOT CONFLICT WITH CONSTRUCTION. CONTRACTOR SHALL CLEAN OUT AND BACKFILL PIT PRIOR TO FINAL INSPECTION. LOCATION SHALL BE APPROVED BY THE FIELD ENGINEER.

EROSION CONTROL LEGEND

- PROPOSED DITCH CHECK
- PROPOSED BACK OF CURB PROTECTION
- FESCUE SEED
- BUFFALO SEED



**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

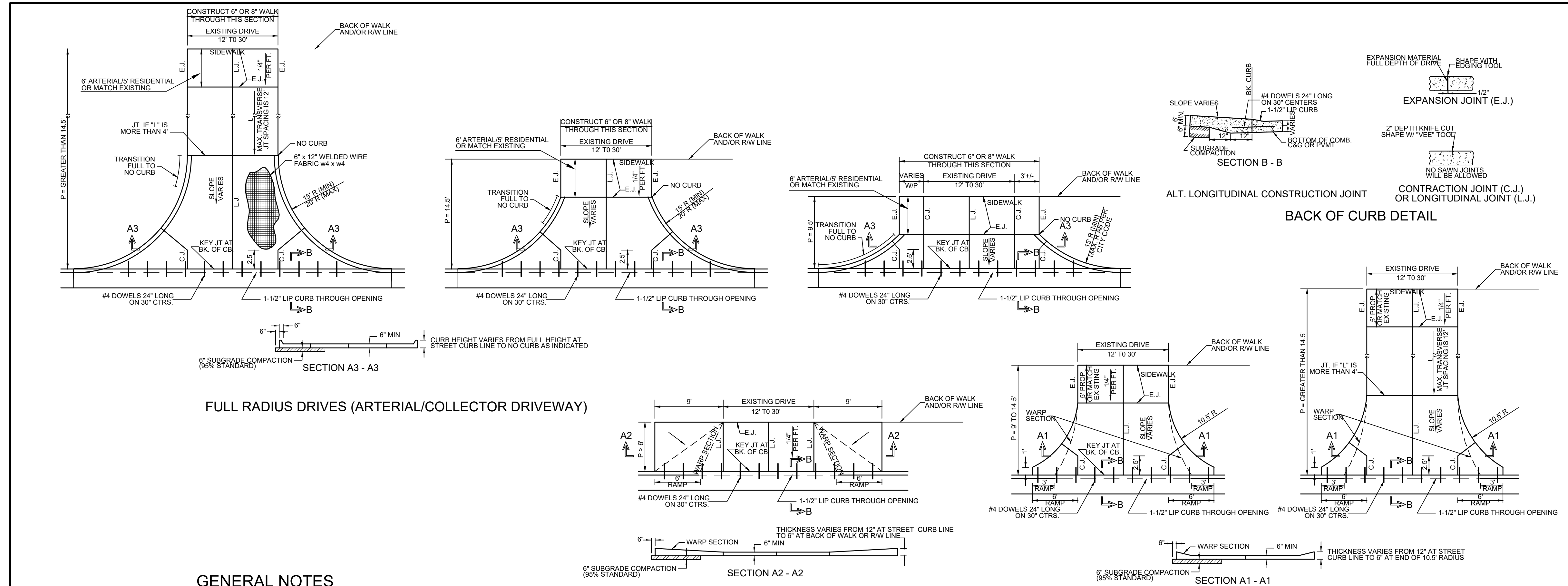
Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

EROSION CONTROL PLAN

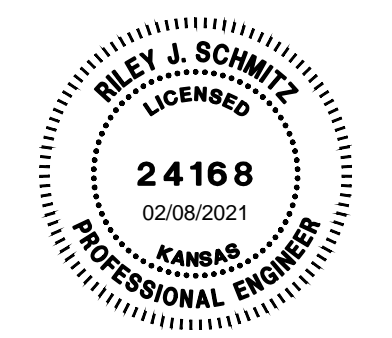
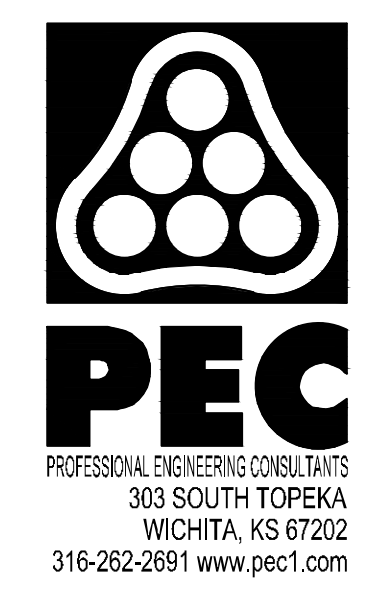
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 U:\WICHITA-CIVIL\2020\207042\001\MINI-TRANS\DRAWINGS\207042-001-15-CP501 STANDARD DRIVE ENTRANCES.DWG

Sheet 02-05-2021 8:22:14 AM by BILLSSEXSON
 U:\Wichita-Civil\2020\207042\001\Mini-Trans\Drawings\207042-001-15-CP501 STANDARD DRIVE ENTRANCES



GENERAL NOTES

1. DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
2. ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A WIDTH DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A WIDTH DIMENSION GREATER THAN 24'.
3. DRIVEWAY WIDTH DENOTED AS WIDTH ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 12' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIUS TYPE DRIVES WITH CURBS THROUGH THE RADIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
4. CONTRACTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
5. ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
6. ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRUCTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
7. DRIVEWAYS ONLY ON RESIDENTIAL PROPERTIES ONLY CAN BE CONSTRUCTED WITH 6" IN THICKNESS AND CAN BE WITHOUT REINFORCEMENT.
8. ALL DRIVEWAYS TO NONRESIDENTIAL PROPERTY SHALL BE A MINIMUM OF 8" IN THICKNESS AND SHALL HAVE REINFORCEMENT WITH 6"x12", W4xW4.



37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS



REVISED: NOVEMBER 2015		
STANDARD DRIVE ENTRANCES FULL HEIGHT CURB		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2020-085614	ORG NUMBER 40102920	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CP501

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

STANDARD DRIVE ENTRANCES

CP501
 15 OF 41

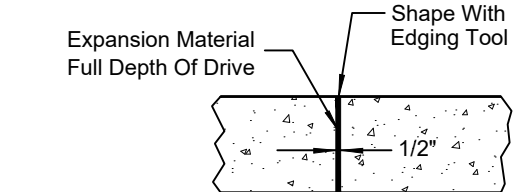
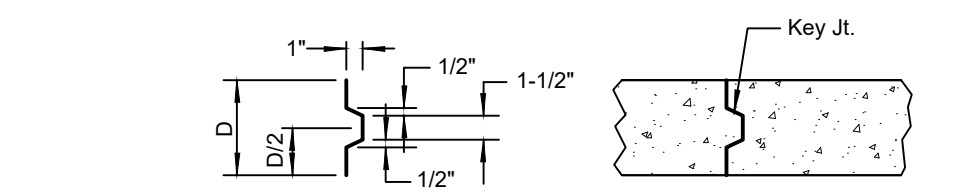
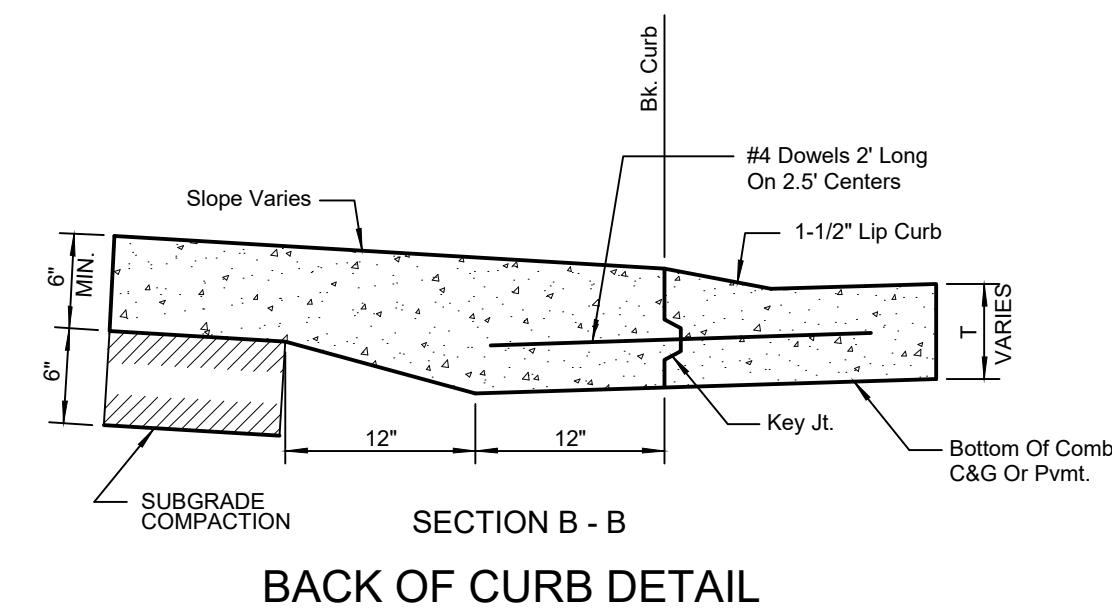
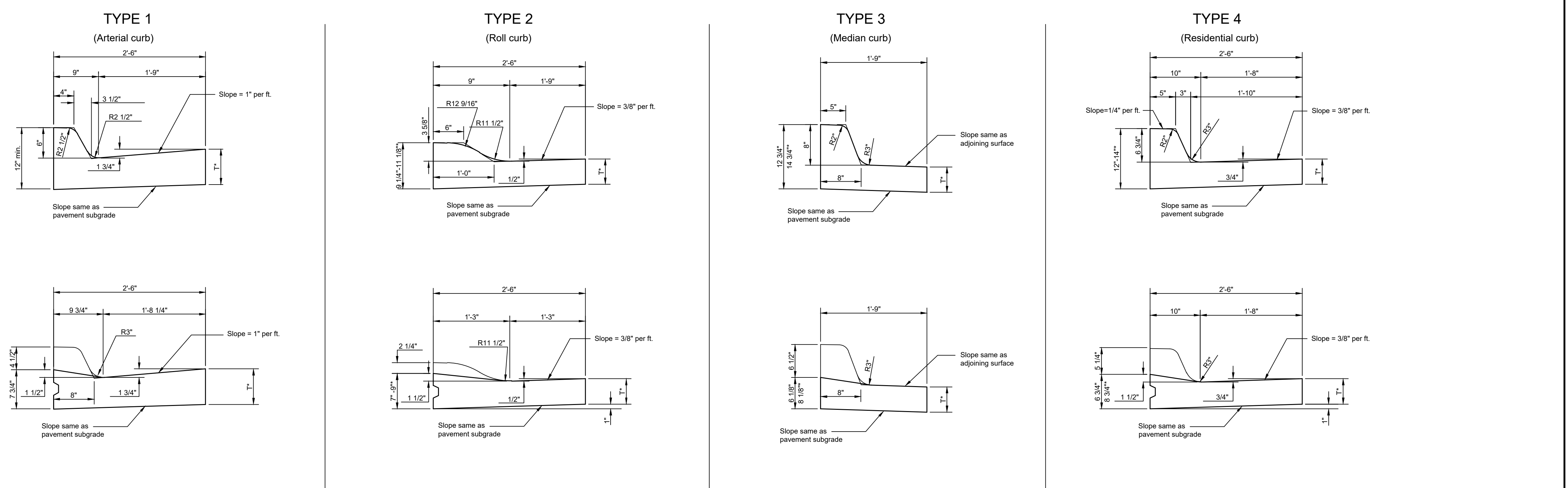
PV-126

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Saved 02-05-2021 8:14:02 AM by BILL SEXSON
 Plot Scale: 1" = 0'-0" (0'-0" = 0'-0")
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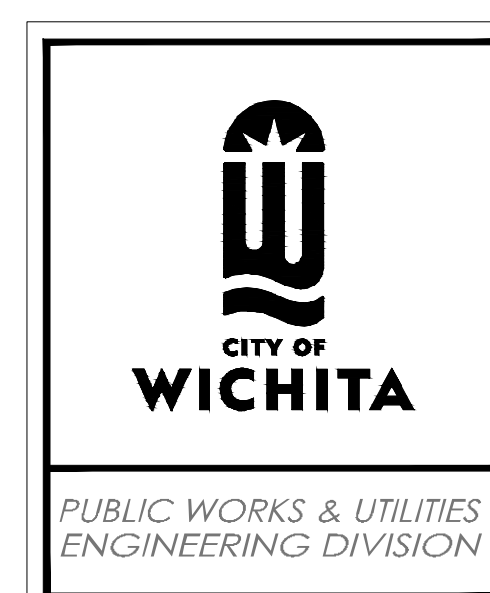
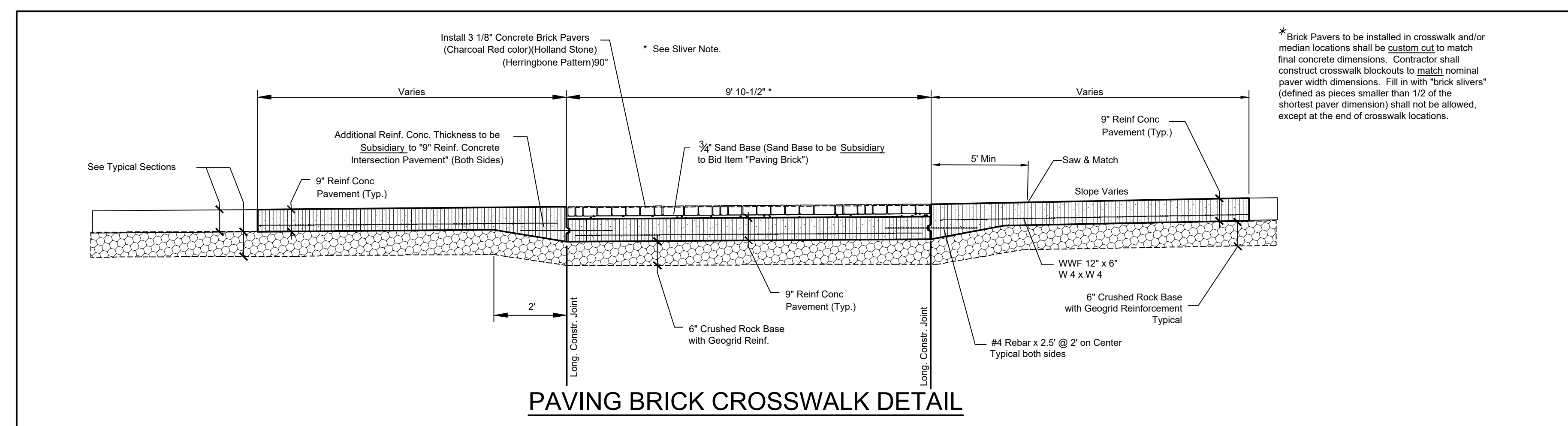
A
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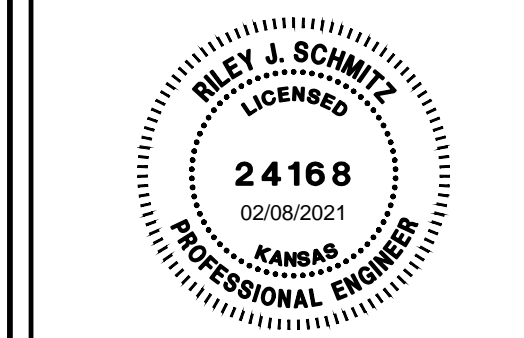
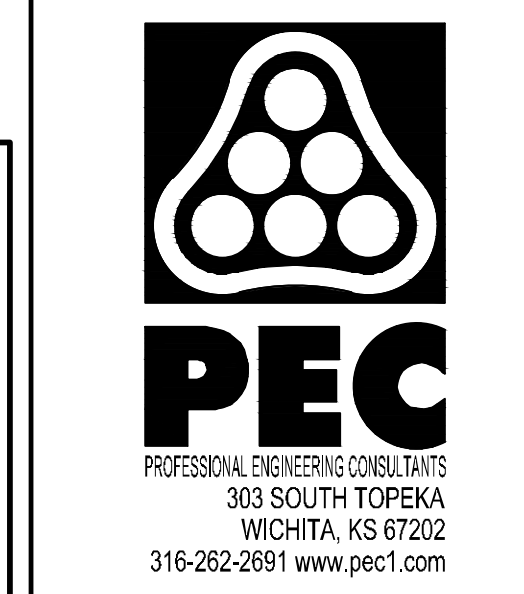
T* = Thickness of curb to adjust with pavement thickness

GENERAL NOTES

- Expansion (isolation) joints shall be constructed a maximum of 300' apart and at all PIs, 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 arteria and industrial streets and at intersections on residential streets.



REVISED: OCTOBER 2015		
CURB & GUTTER & PAVING BRICK CROSSWALK DETAILS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2020-085614	ORG NUMBER 40102920	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CP502



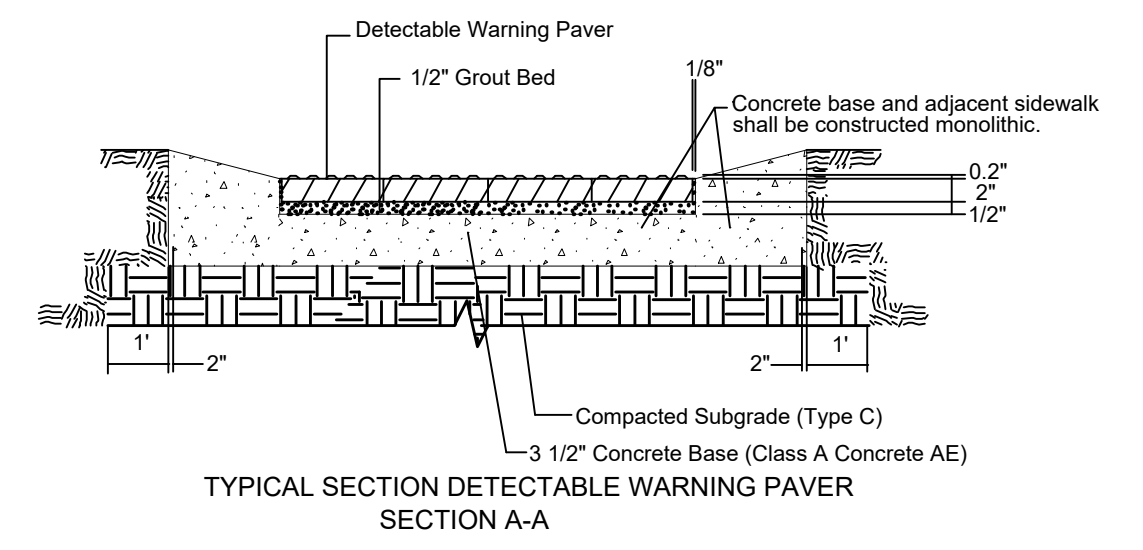
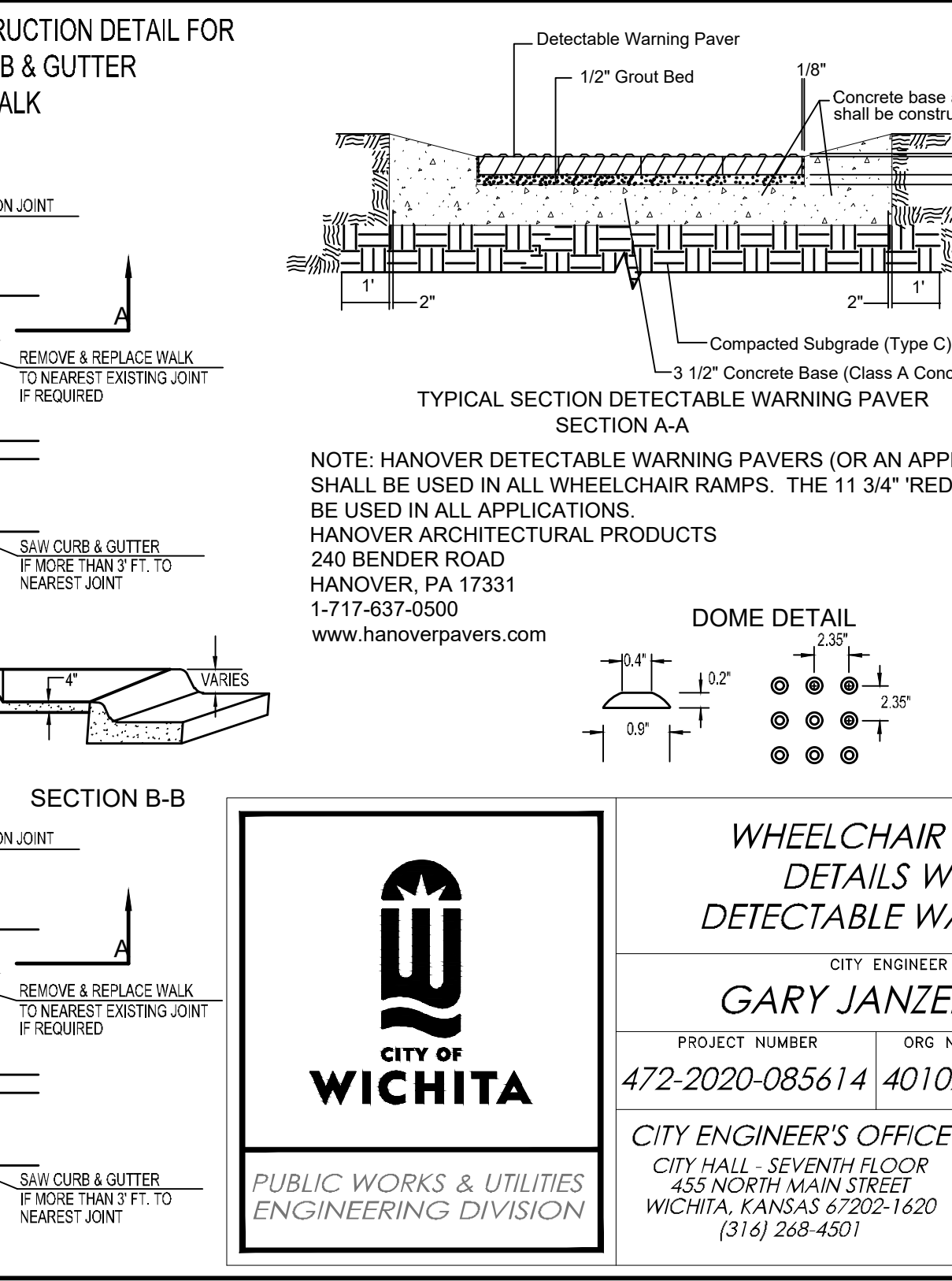
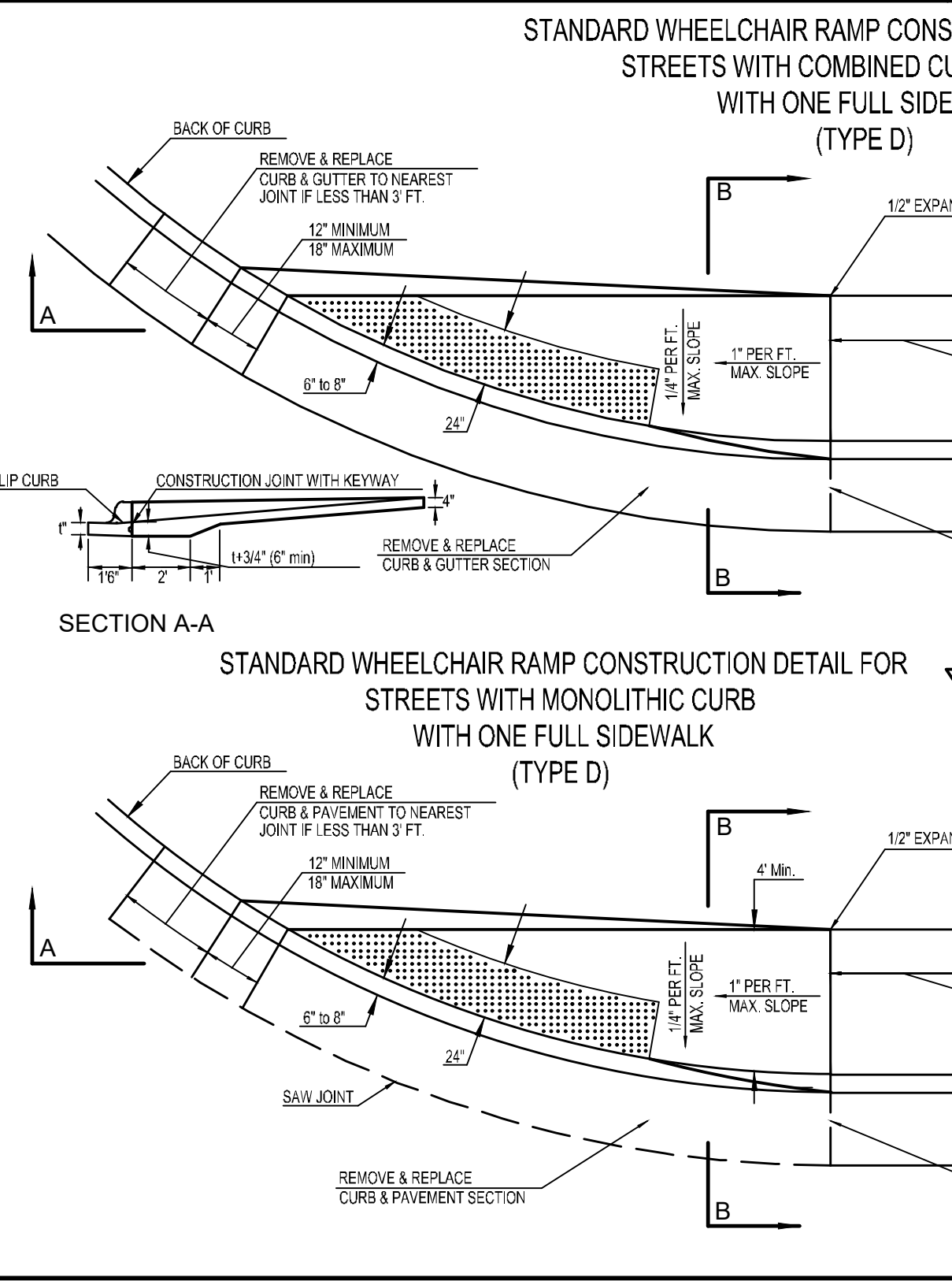
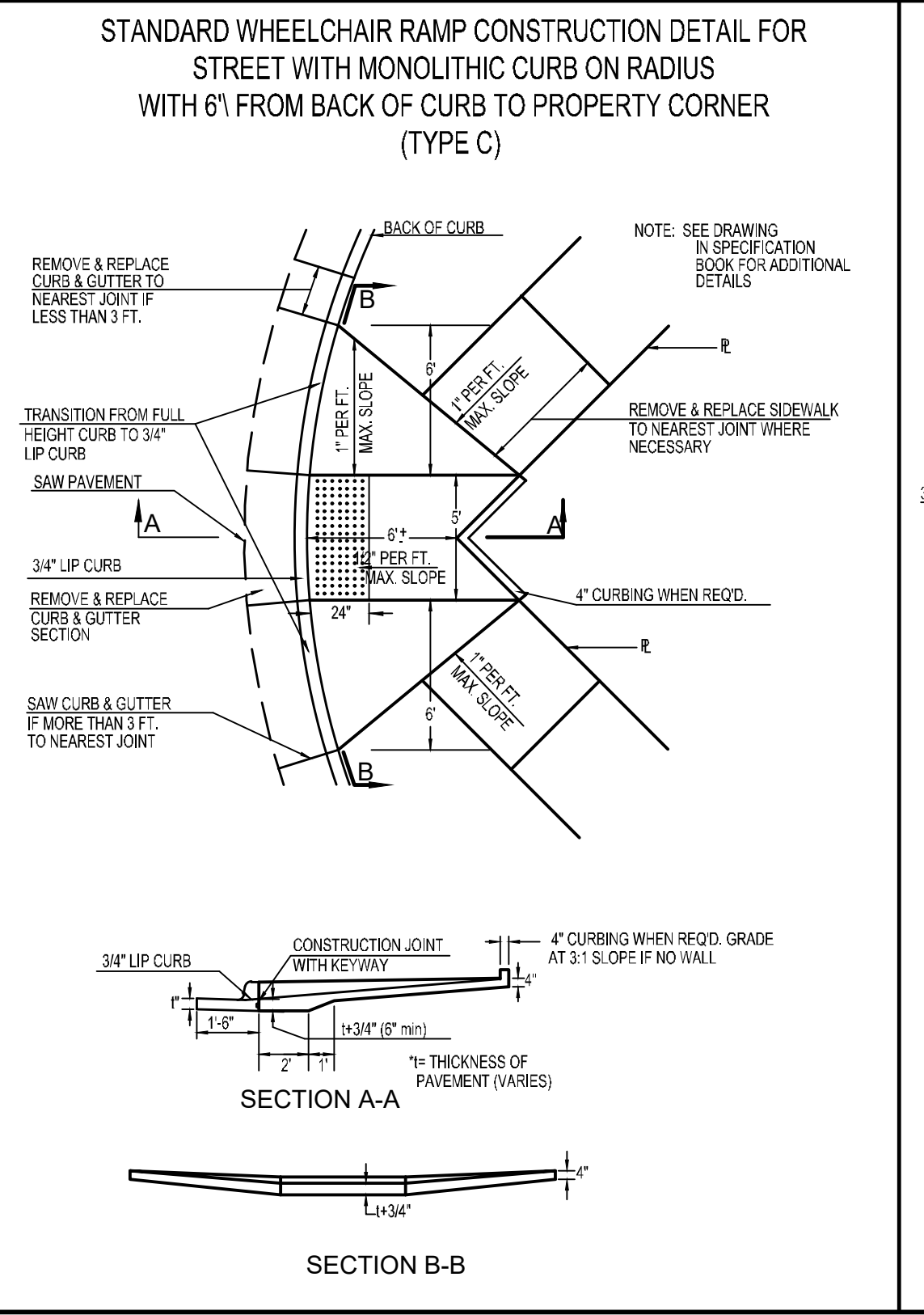
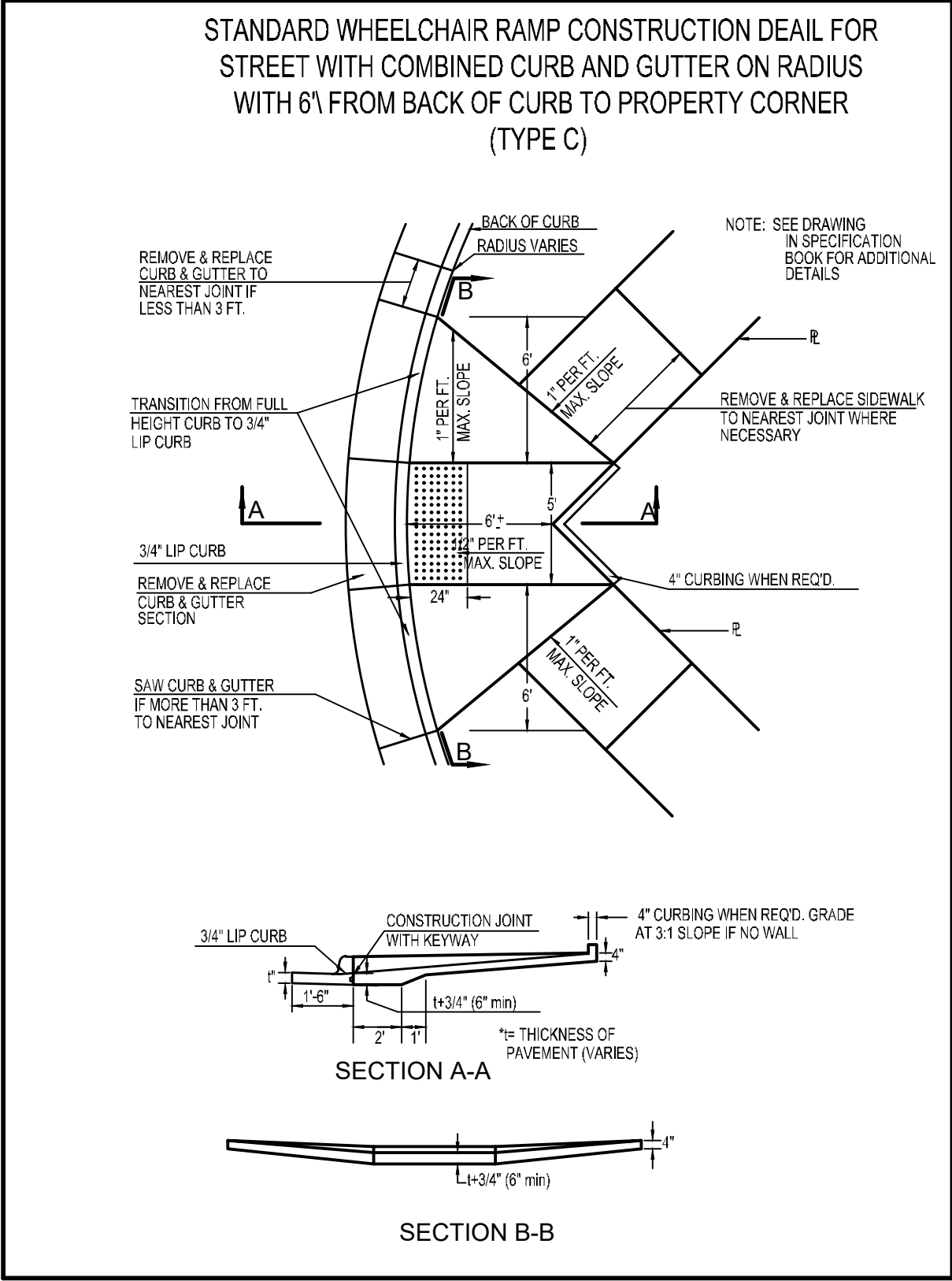
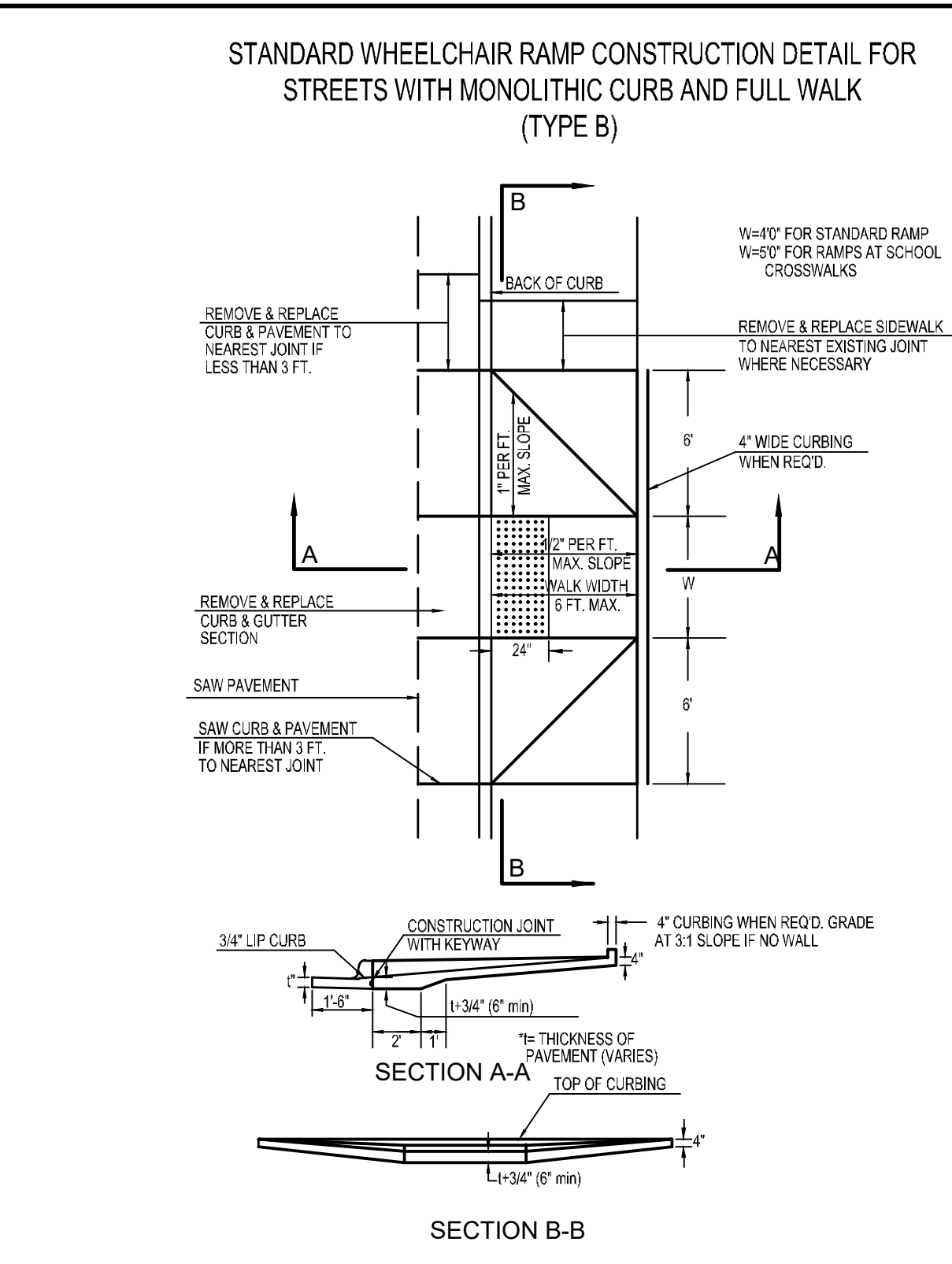
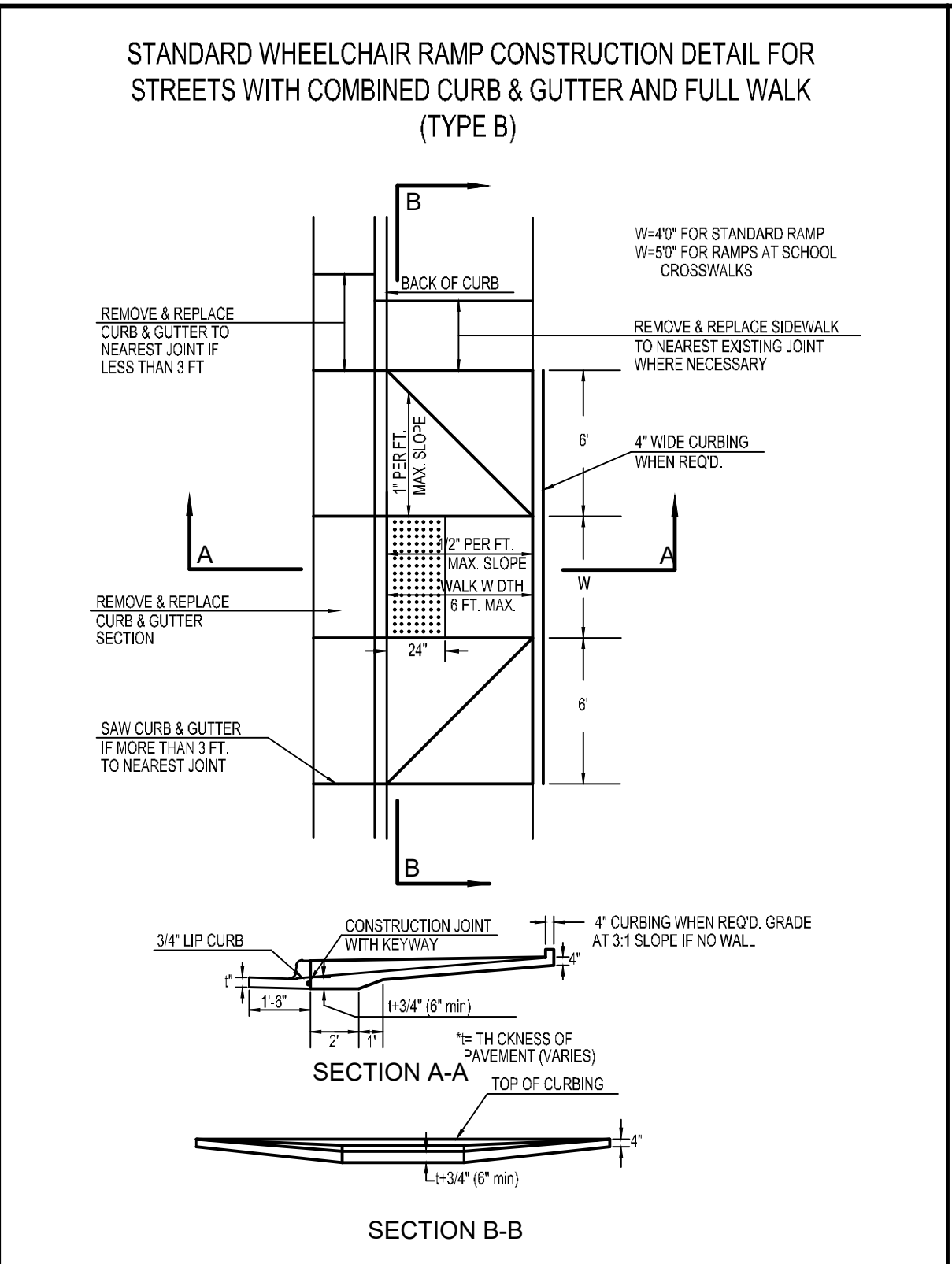
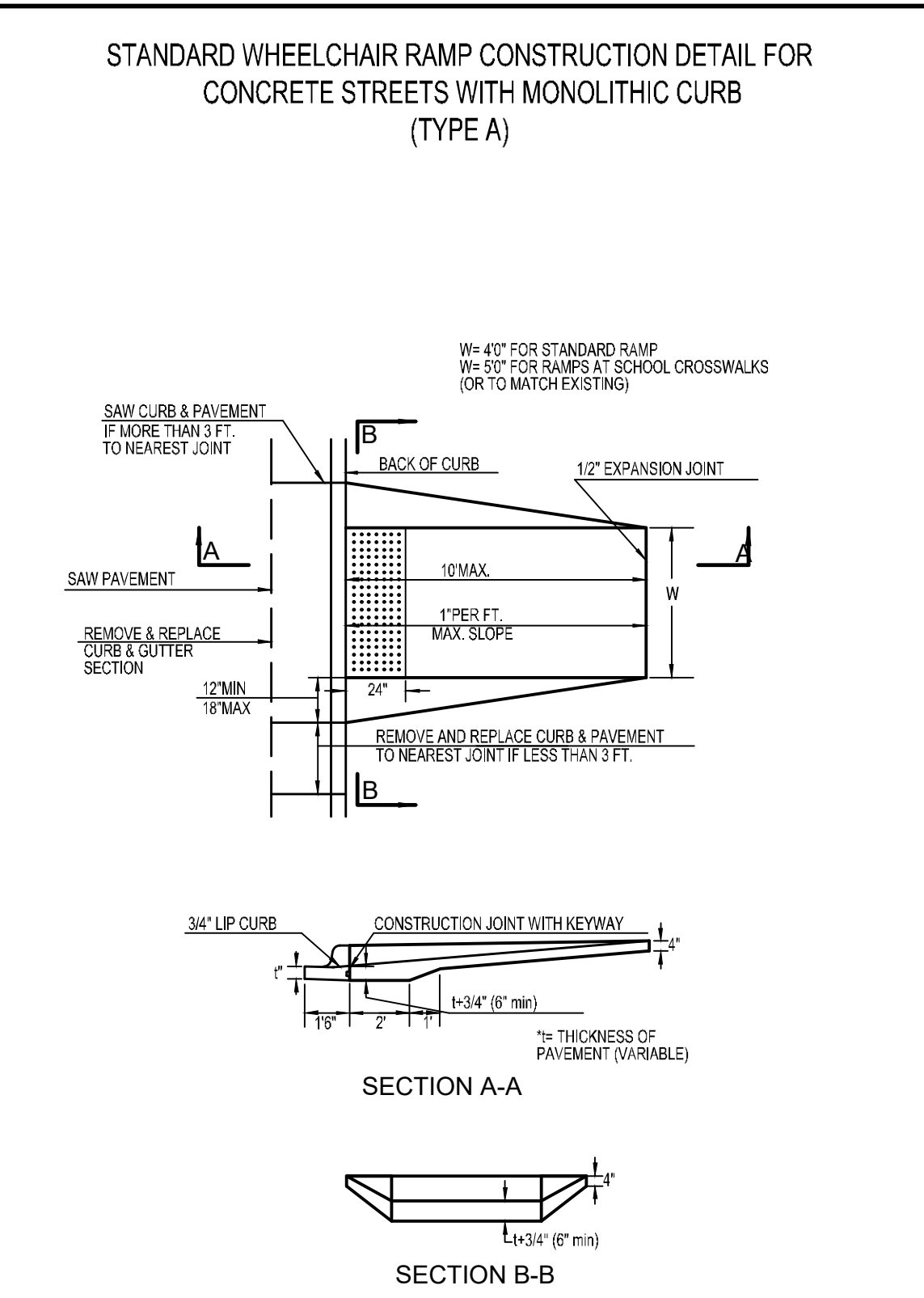
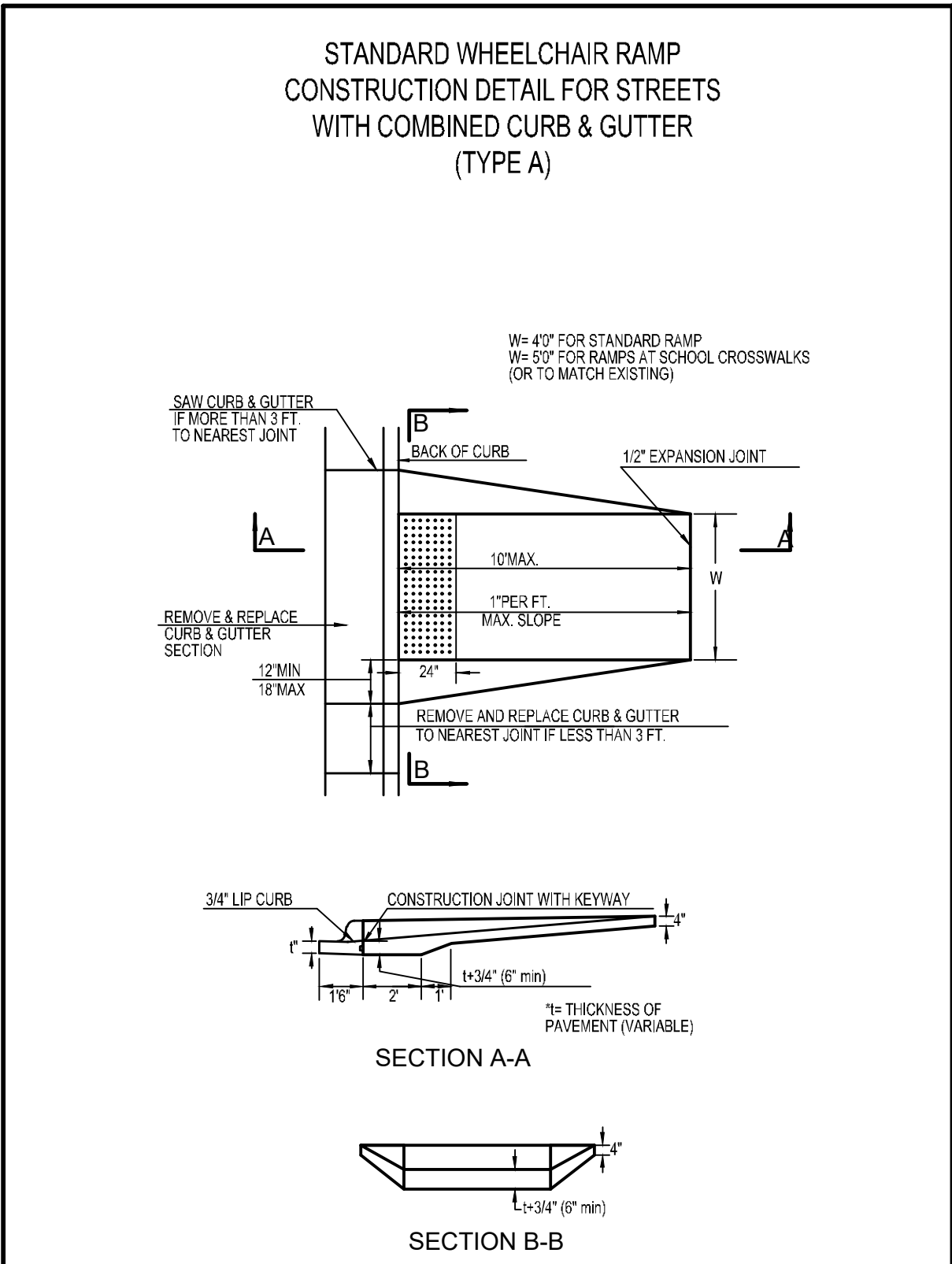
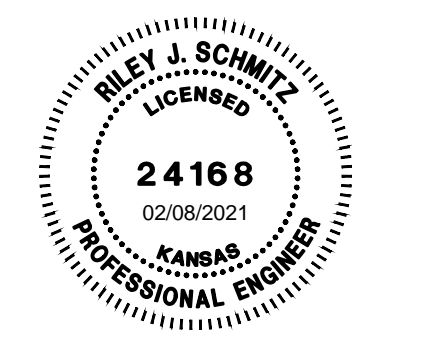
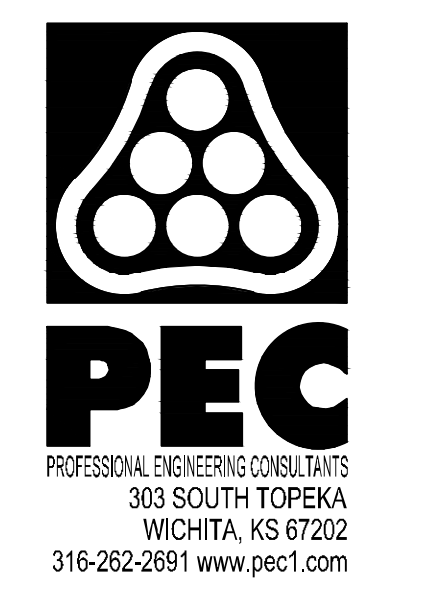
**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

 GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

ISSUE:	

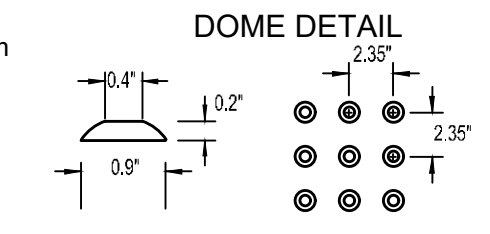
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
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CHECKED BY	RJS

CURB AND GUTTER DETAILS



NOTE: HANOVER DETECTABLE WARNING PAVERS (OR AN APPROVED ALTERNATE) SHALL BE USED IN ALL WHEELCHAIR RAMPS. THE 11 3/4\"/>

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HANOVER, PA 17331
1-717-637-0500
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WHEELCHAIR RAMP DETAILS WITH DETECTABLE WARNING

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	ORG NUMBER	DATE
472-2020-085614	40102920	08/2013
CITY ENGINEER'S OFFICE CITY HALL SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CP503

**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

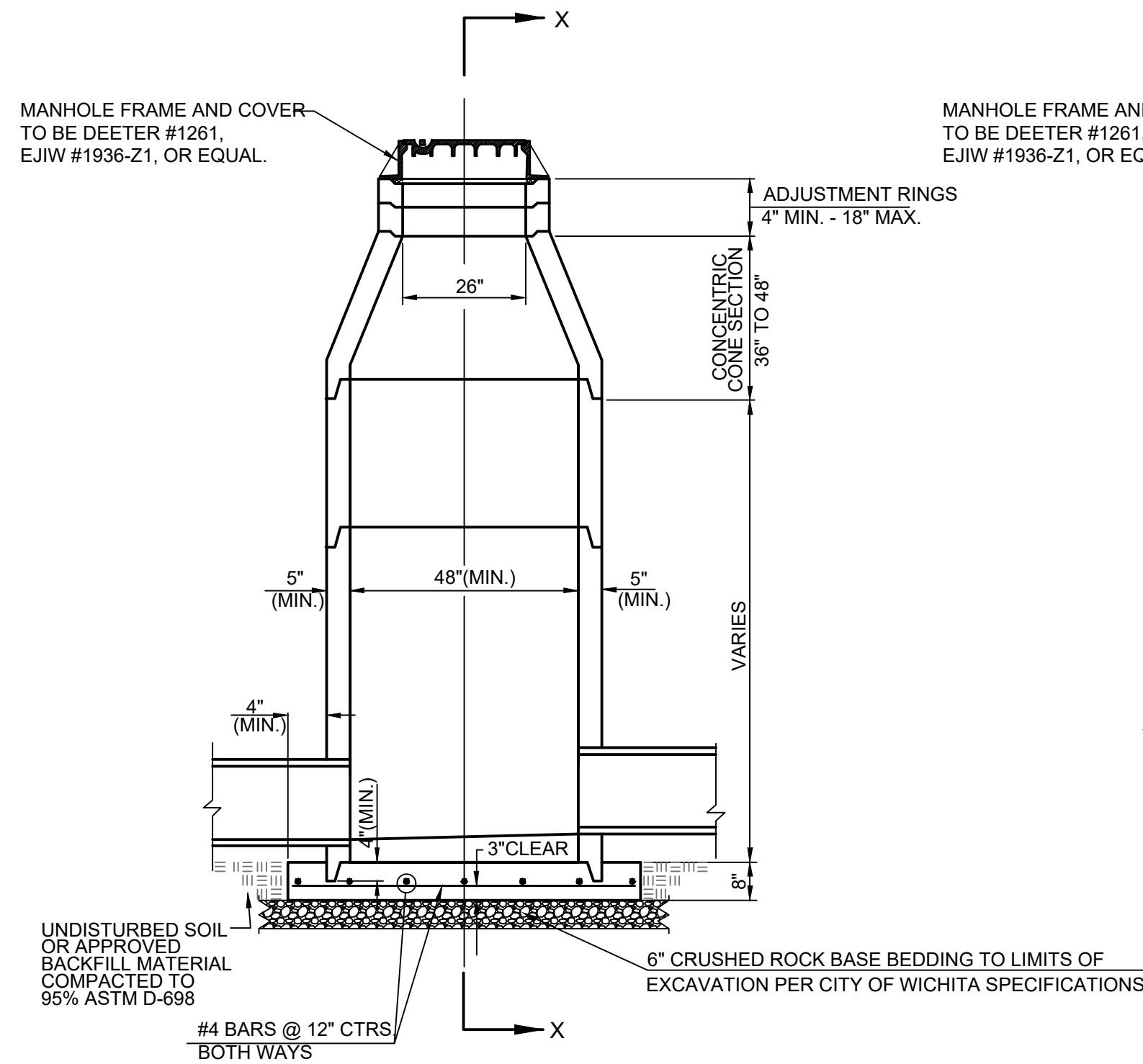
GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2020-085614
SEDGWICK COUNTY, KANSAS

ISSUE:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
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CHECKED BY	RJS

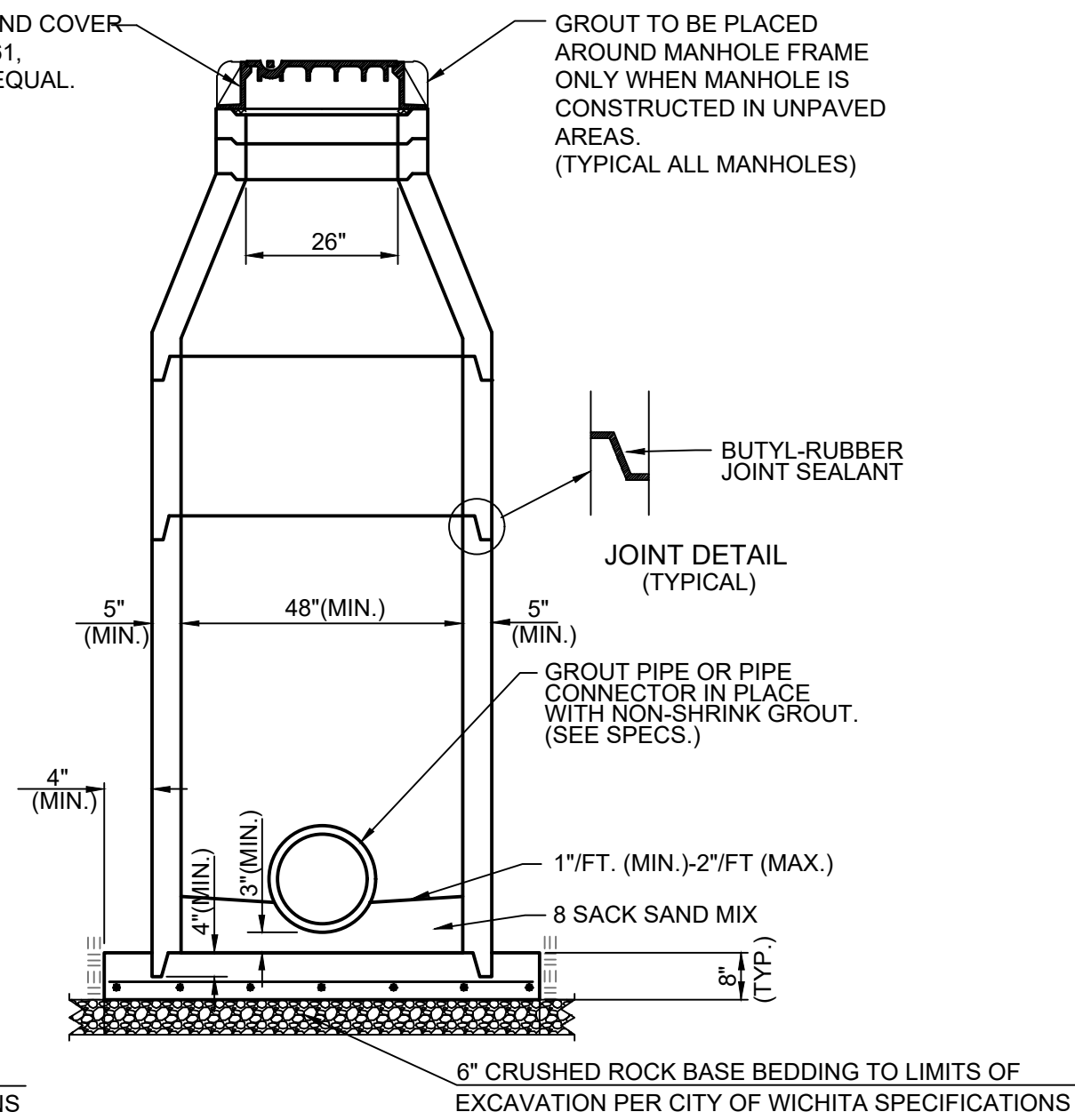
WHEEL CHAIR RAMP DETAILS

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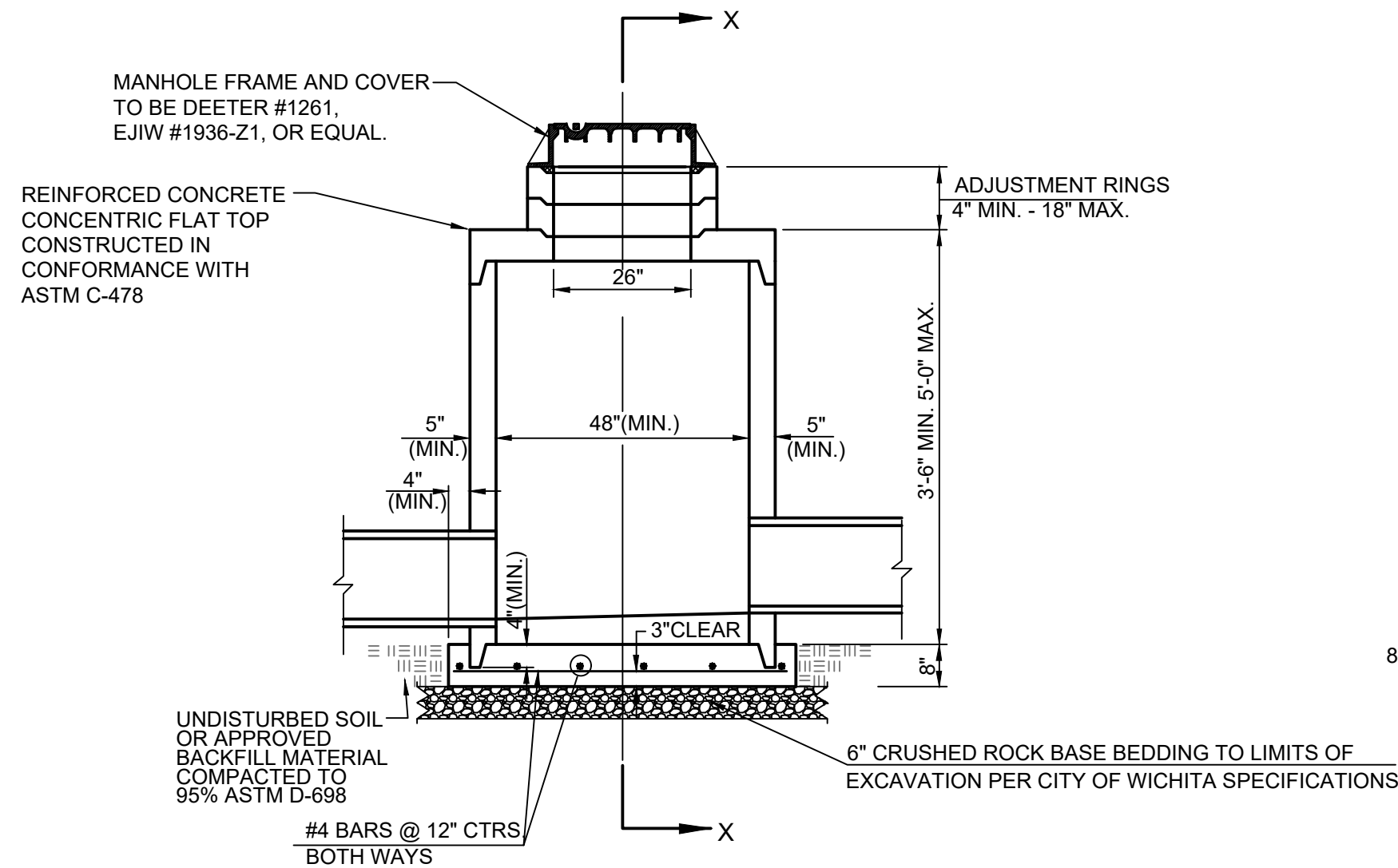
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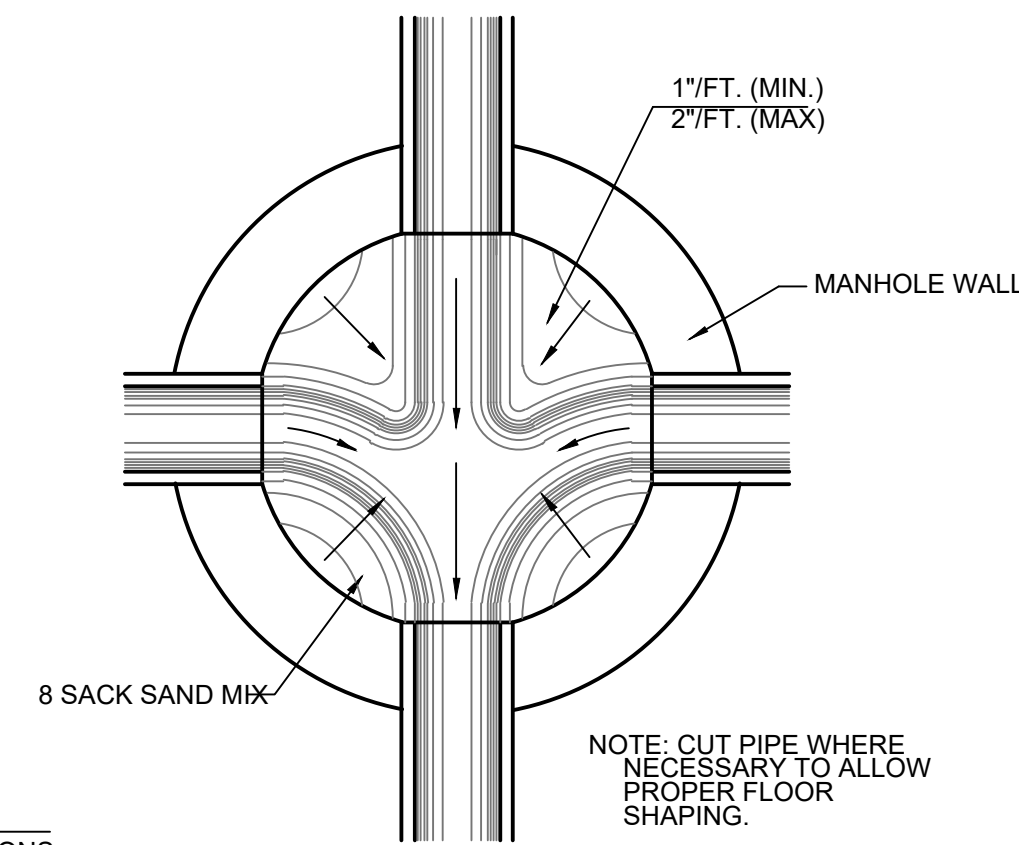
PRECAST STANDARD MANHOLE TYPE "A"



SECTION X-X (TYPICAL)



PRECAST SHALLOW MANHOLE TYPE "B"



TYPICAL MANHOLE FLOOR SHAPING

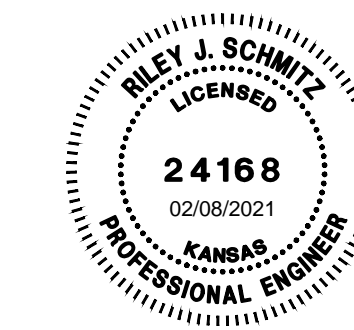
GENERAL NOTES

- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
- MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
- MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN MANHOLE WALL SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
- MANHOLE INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE MANHOLE WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL, SEE SW-303.
- FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
- FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.



REVISED: MARCH 2015		
PRECAST CONCRETE MANHOLE (STORM SEWER)		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2020-085614	ORG NUMBER 40102920	DATE
CITY ENGINEER'S OFFICE CITY HALL SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CP504

SW-301



**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

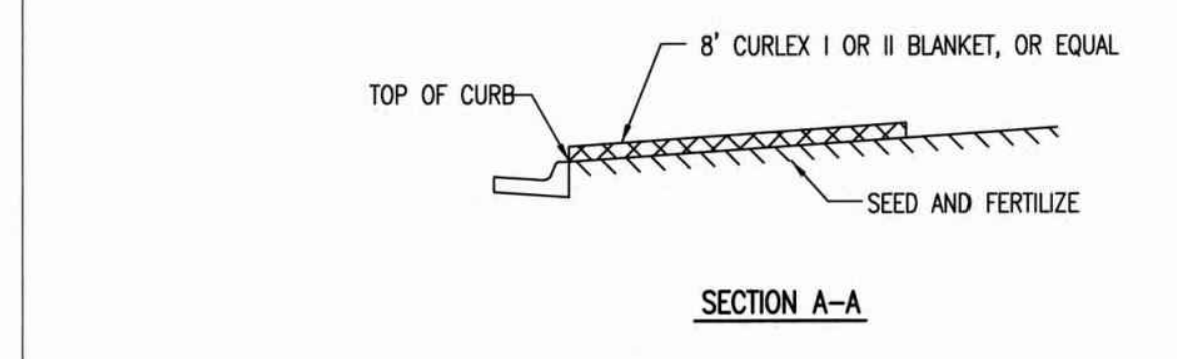
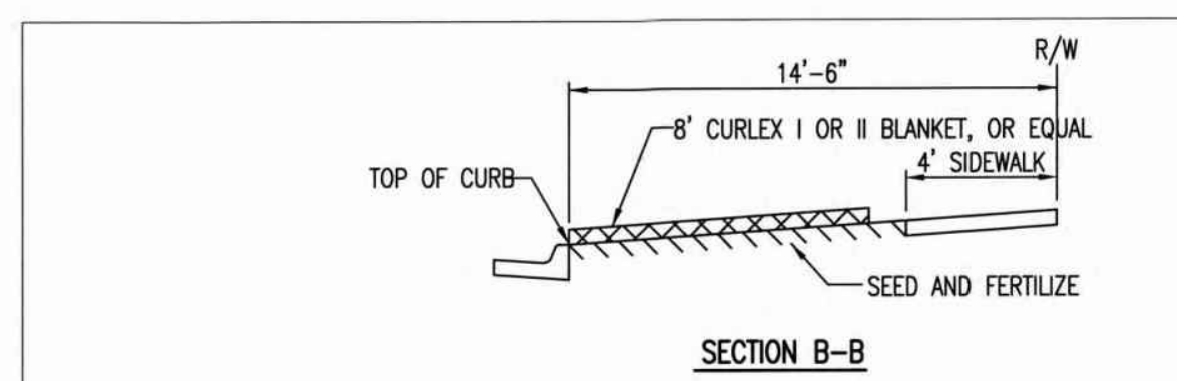
Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

PRECAST CONCRETE MANHOLE DETAILS

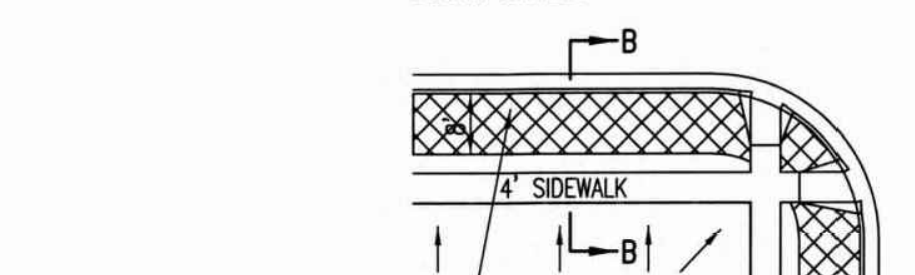
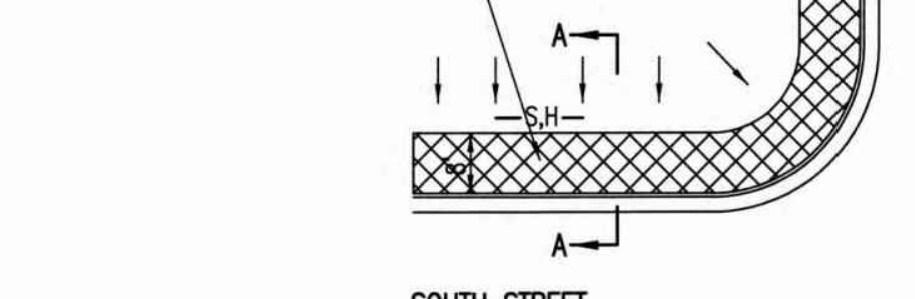
CP504
18 OF 41

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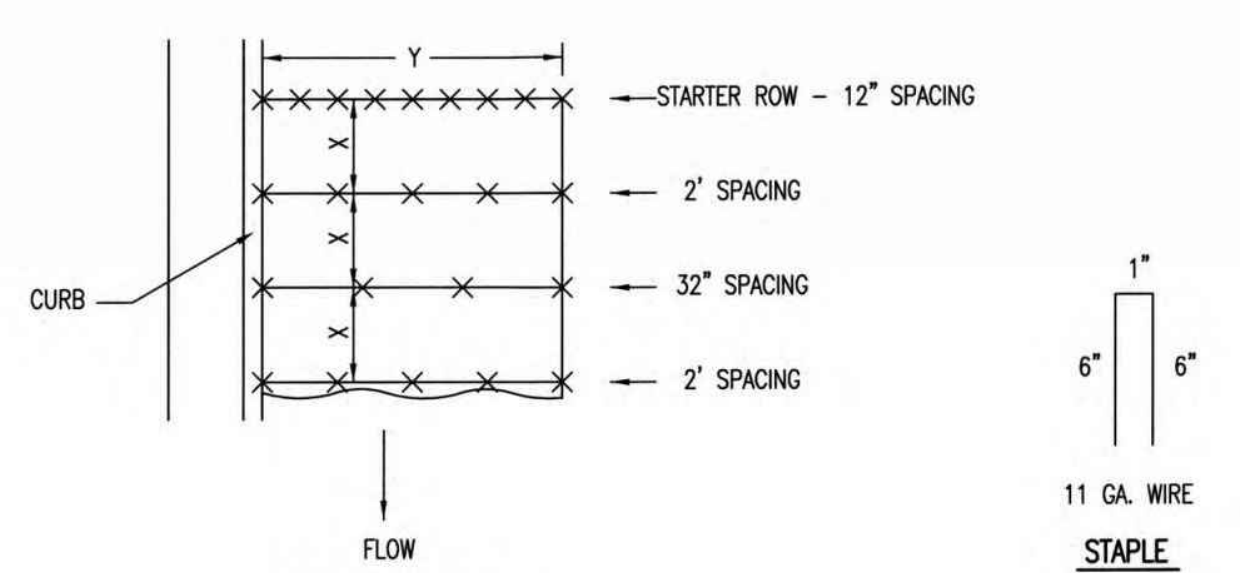
INSTALL 8" WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURER'S RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)



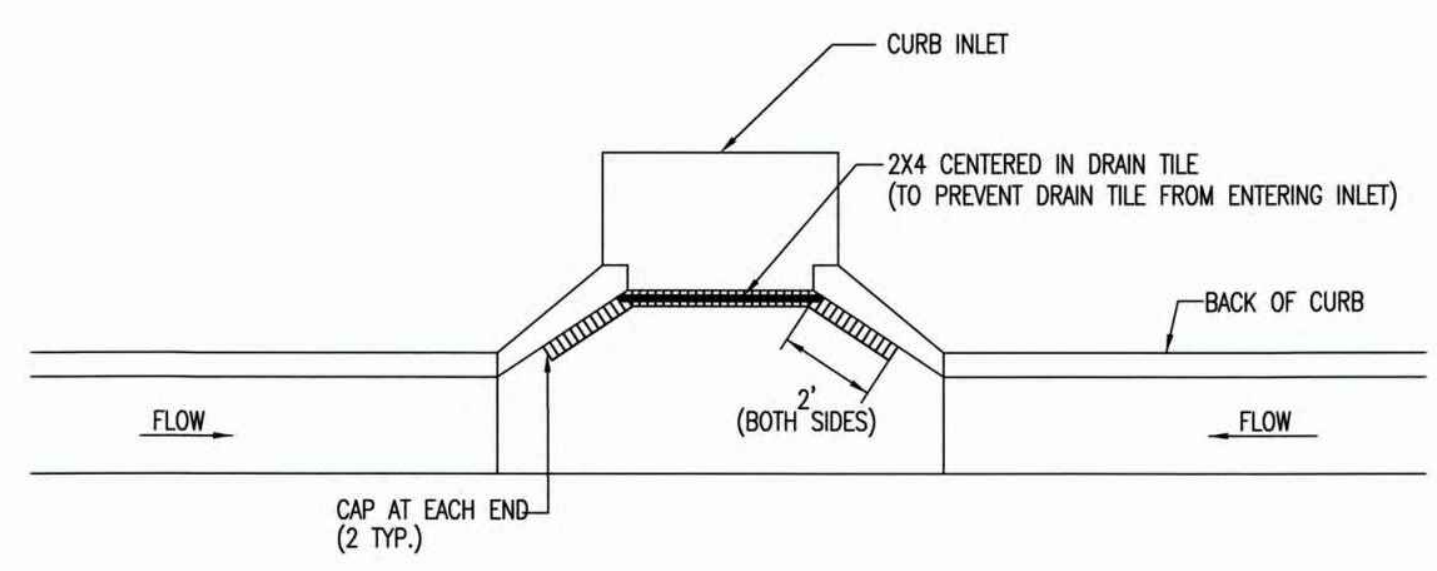
INSTALL 8" WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANUFACTURER'S RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

- GENERAL NOTES**
- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
 - EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
 - AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

BACK OF CURB PROTECTION DETAIL

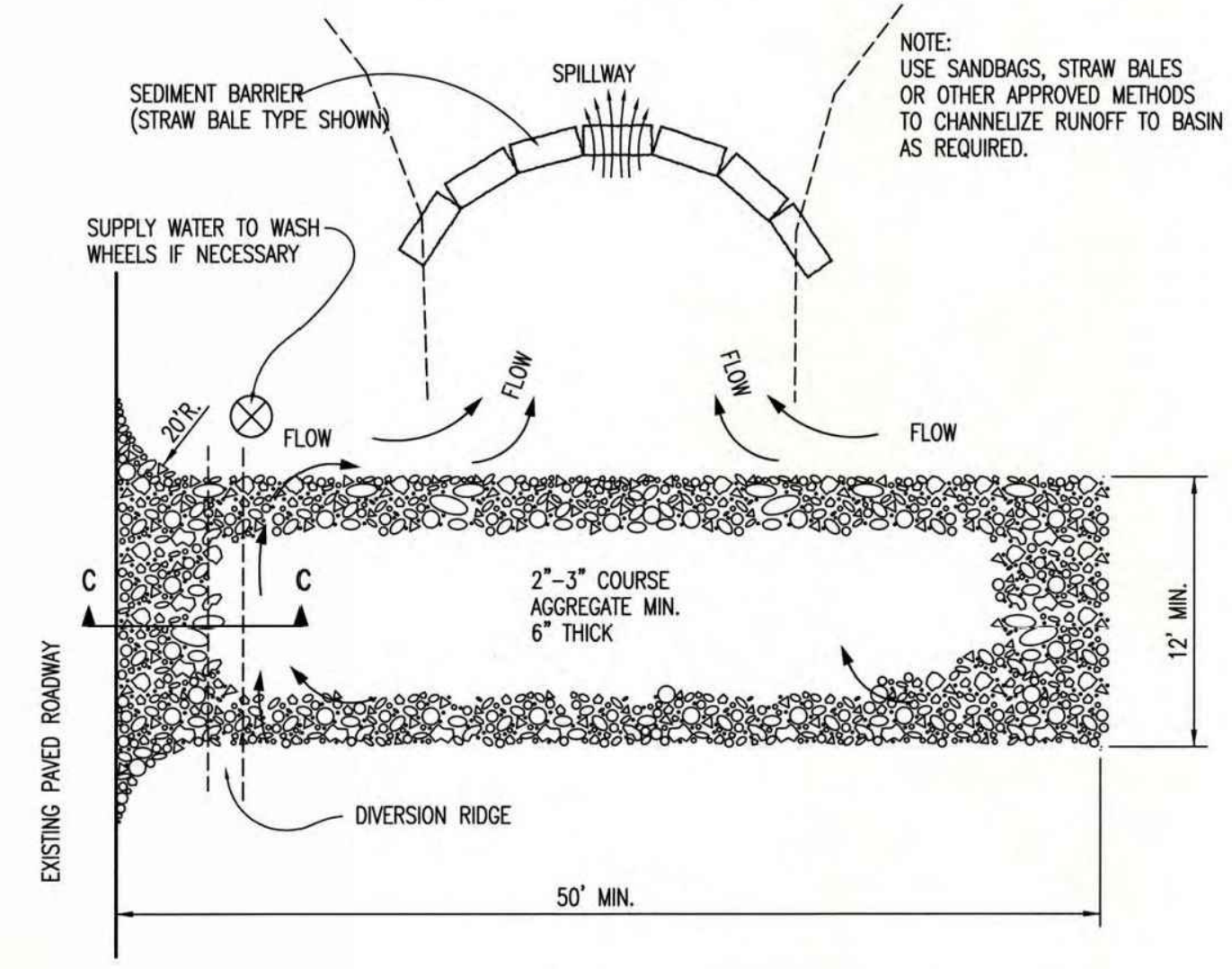
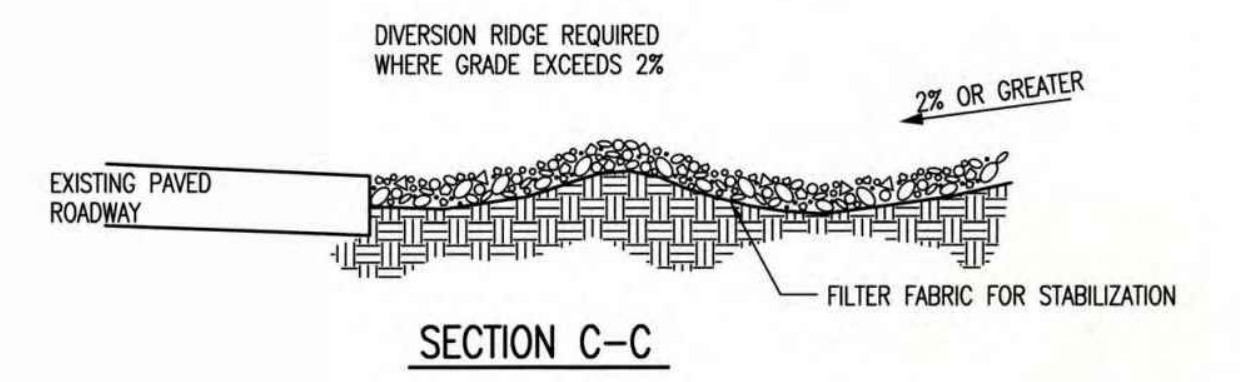
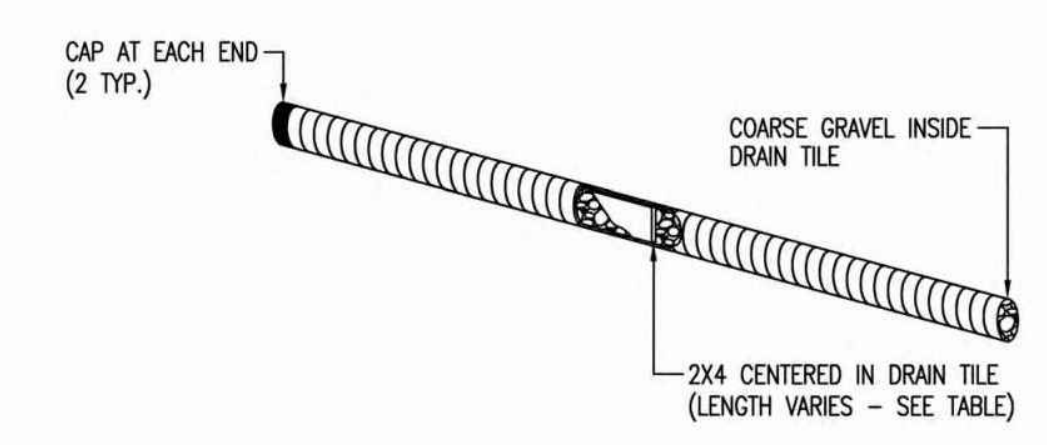


DETAILS FOR APPROVED EROSION CONTROL MAT



NOTE: PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

2X4 LENGTH	INLET TYPE	INLET OPENING
5'-6"	1-A	5'-0"
10'-6"	1-A	10'-0"
15'-6"	1-A	15'-0"



- GENERAL NOTES**
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
 - DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELLING.

REVISION DATE: MAY 2013

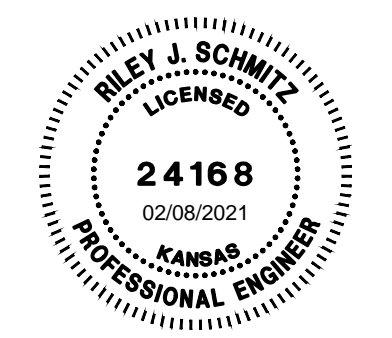
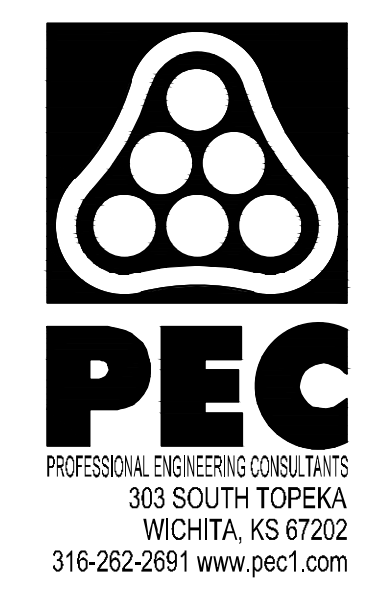
BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	ORG NUMBER	DATE
472-2020-085614	40102920	

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

SHEET
CP511



**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

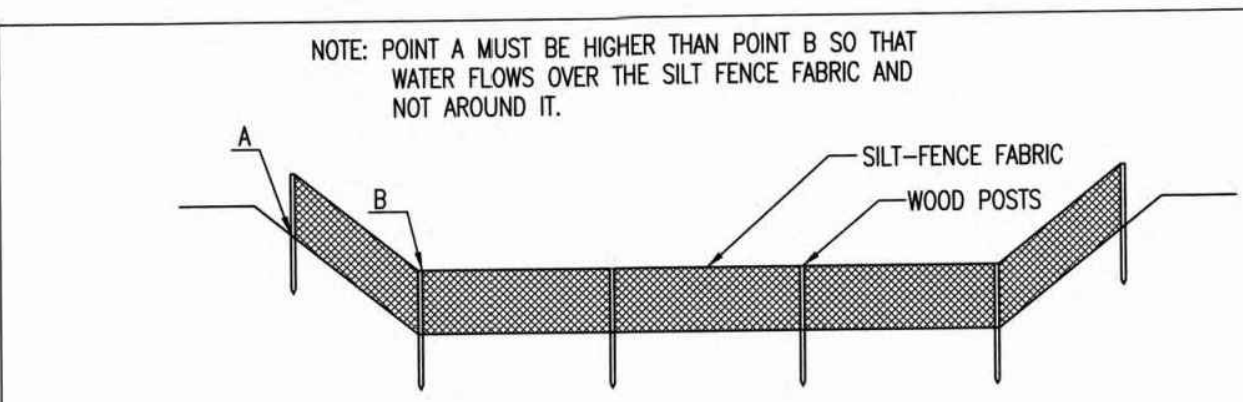
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

BMP STANDARD

CP511
20 OF 41

1 2 3 4 5 6



ELEVATION
SILT FENCE DITCH CHECKS
(STREAM PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED. SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK. SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD. SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH CHECK DITCH GRADE (%)	SPACING CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

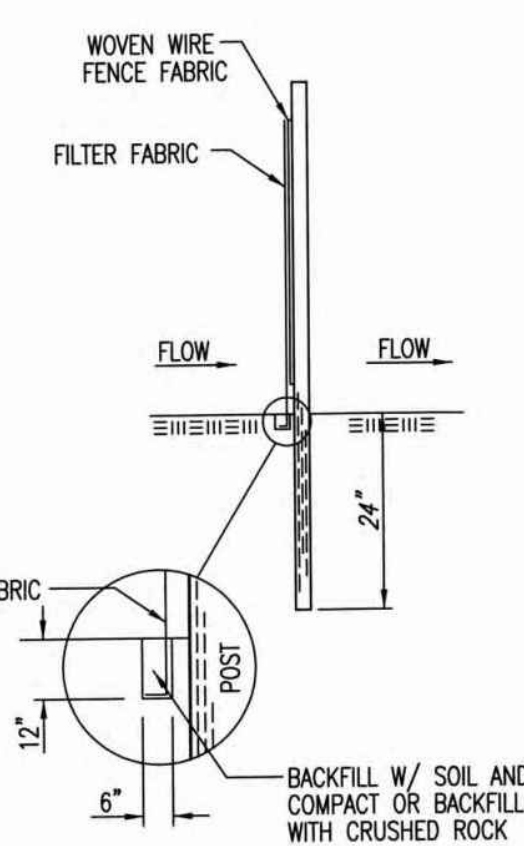
EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSTREAM SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE OF THE TRENCH. LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN IN DETAIL. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE ON THE UPSLOPE SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSTREAM OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

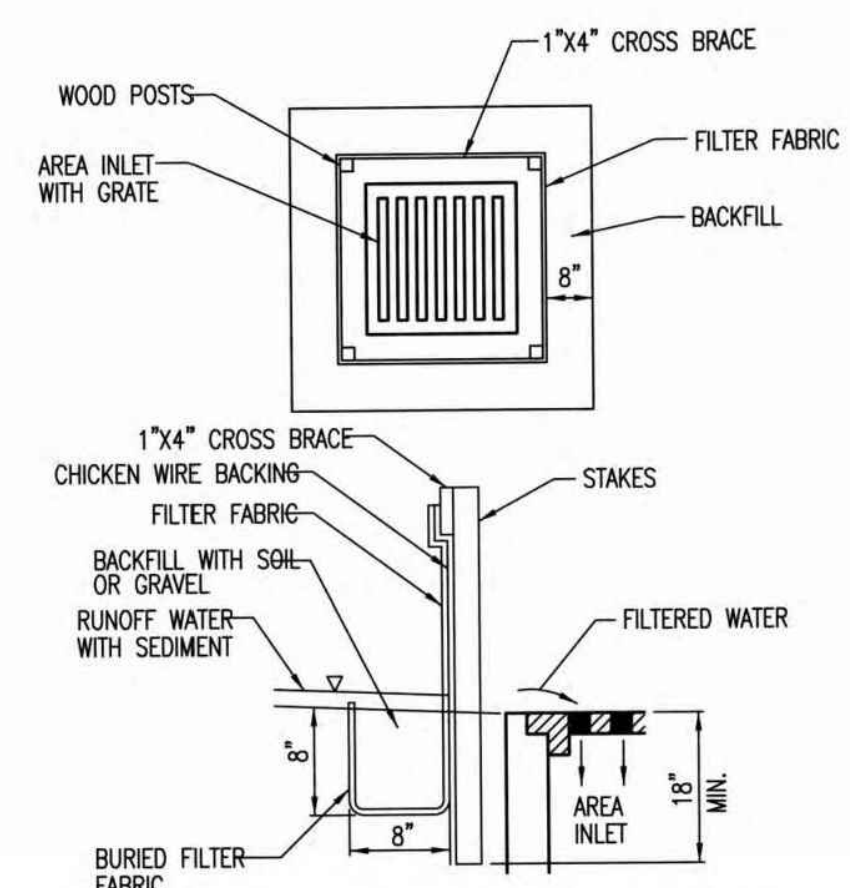
WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK—NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM. DO NOT PLACE SILT FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE A SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW. DO NOT PLACE SILT FENCE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW. FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS. DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE. DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
 DOES WATER FLOW AROUND THE DITCH CHECK?
 DOES WATER FLOW UNDER THE DITCH CHECK?
 DOES THE SILT FENCE SAG EXCESSIVELY?
 HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



ANCHOR TRENCH DETAIL



SILT FENCE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS. SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED. WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME. WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE. DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET. THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM. CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING. ATTACH THE WIRE OR POLYMERIC-MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED. ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

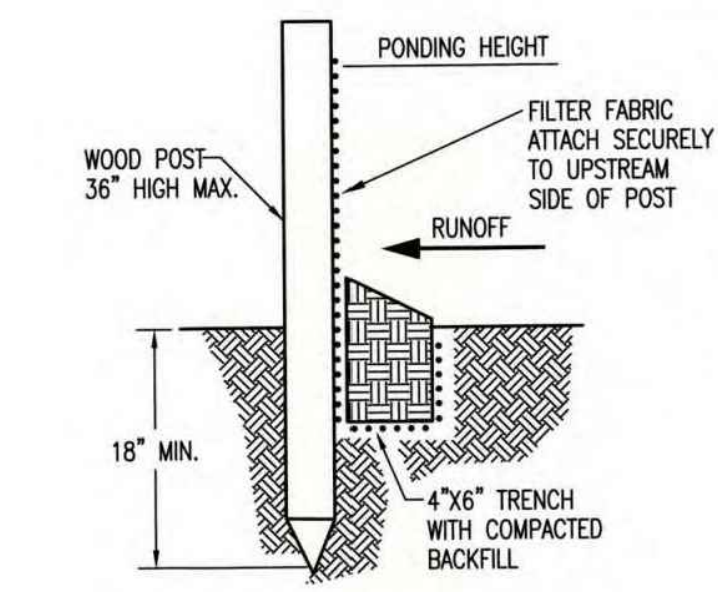
NOTE: WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET—NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED. DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
 DOES WATER FLOW UNDER THE SILT FENCE?
 DOES THE SILT FENCE SAG EXCESSIVELY?
 HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



SILT FENCE BARRIERS

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION. THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG. SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT. WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT-FENCE FABRIC SHOULD REMAIN EXPOSED. LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES. DO NOT PLACE SILT-FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL. DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT. SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND—SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
 ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
 DOES WATER FLOW UNDER THE SLOPE BARRIER?
 DO THE SILT FENCES SAG EXCESSIVELY?
 HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER: 472-2020-085614 ORG NUMBER: 40102920 DATE: _____

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

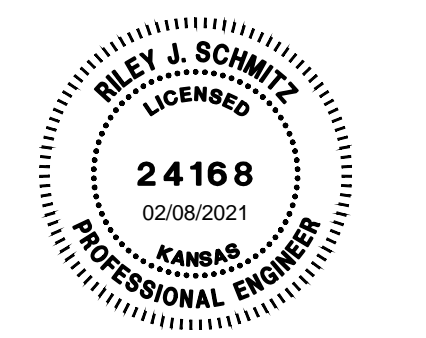
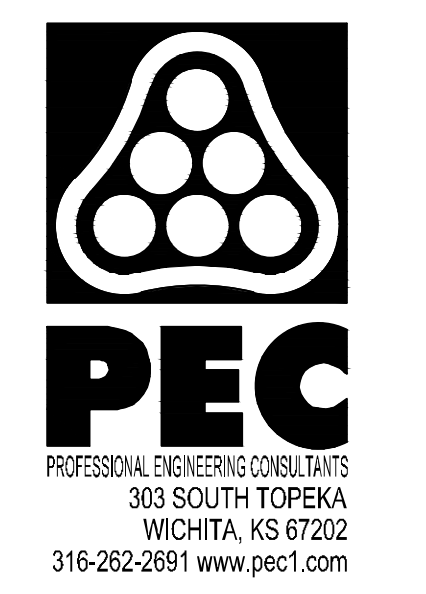
SHEET
CP512

REVISION DATE: MAY 2013

519-502



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**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

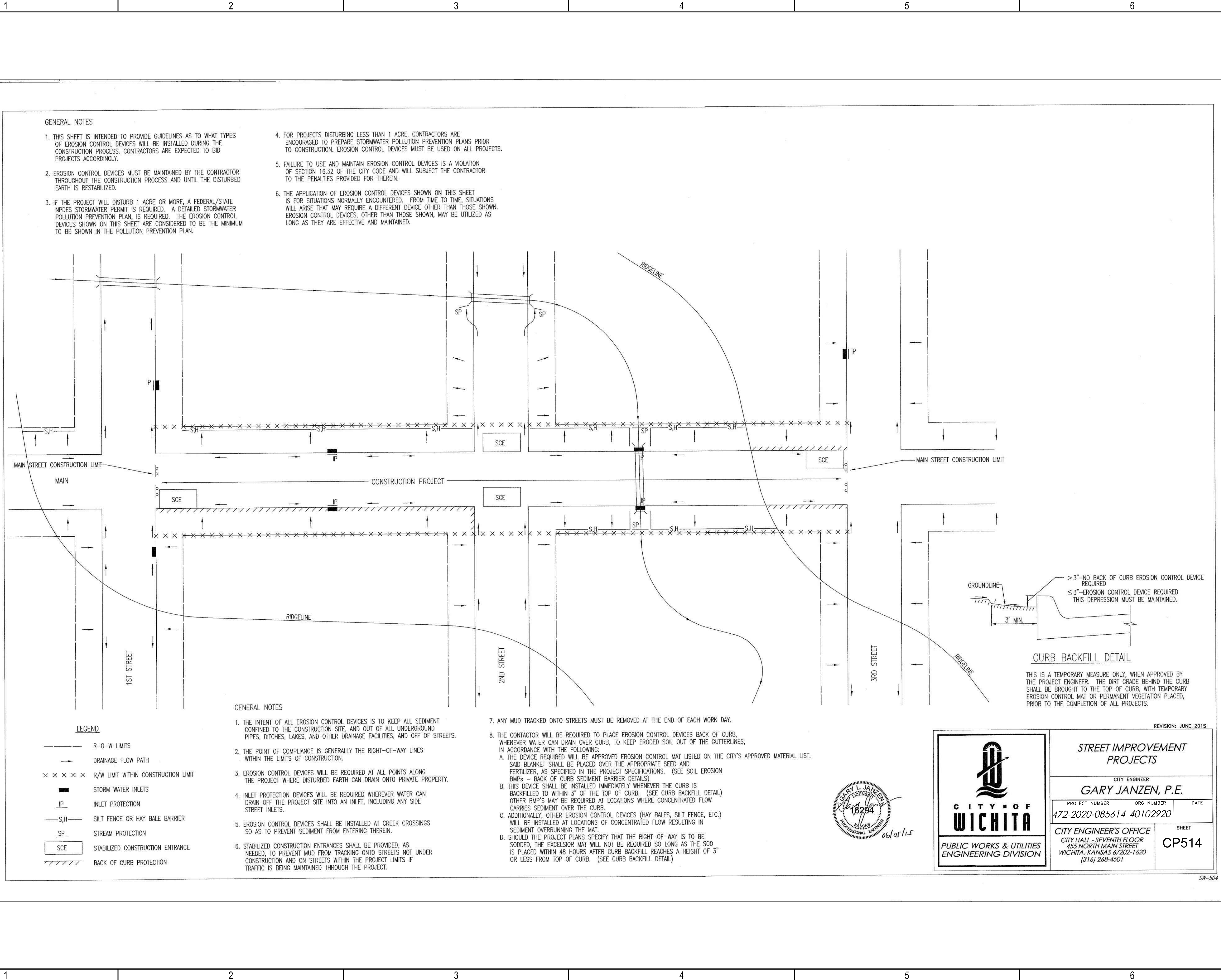
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

BMP STANDARD

CP512
21 OF 41

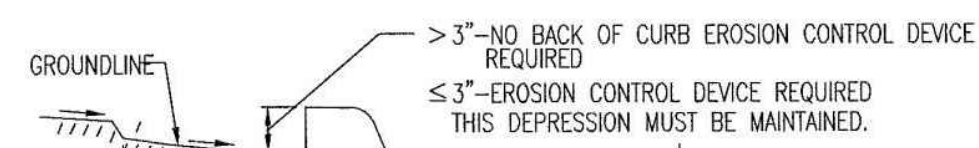
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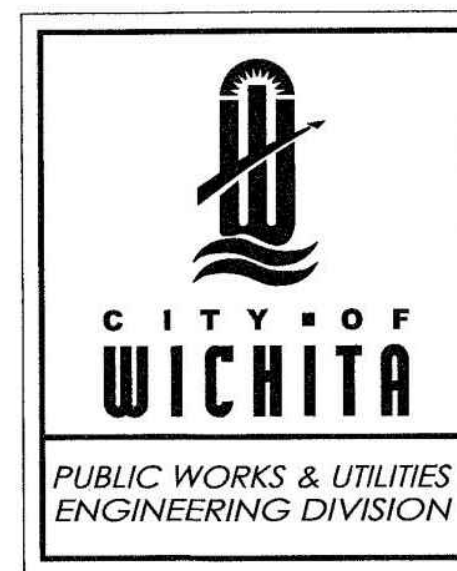
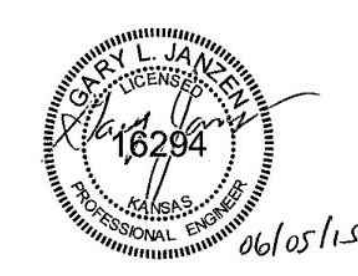
- GENERAL NOTES**
- THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPES OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
 - EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE DISTURBED EARTH IS RESTABILIZED.
 - IF THE PROJECT WILL DISTURB 1 ACRE OR MORE, A FEDERAL/STATE NPDES STORMWATER PERMIT IS REQUIRED. A DETAILED STORMWATER POLLUTION PREVENTION PLAN, IS REQUIRED. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED TO BE THE MINIMUM TO BE SHOWN IN THE POLLUTION PREVENTION PLAN.
 - FOR PROJECTS DISTURBING LESS THAN 1 ACRE, CONTRACTORS ARE ENCOURAGED TO PREPARE STORMWATER POLLUTION PREVENTION PLANS PRIOR TO CONSTRUCTION. EROSION CONTROL DEVICES MUST BE USED ON ALL PROJECTS.
 - FAILURE TO USE AND MAINTAIN EROSION CONTROL DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE CONTRACTOR TO THE PENALTIES PROVIDED FOR THEREIN.
 - THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE A DIFFERENT DEVICE OTHER THAN THOSE SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED AS LONG AS THEY ARE EFFECTIVE AND MAINTAINED.

- LEGEND**
- R-O-W LIMITS
 - DRAINAGE FLOW PATH
 - × × × × R/W LIMIT WITHIN CONSTRUCTION LIMIT
 - STORM WATER INLETS
 - IP INLET PROTECTION
 - S,H— SILT FENCE OR HAY BALE BARRIER
 - SP— STREAM PROTECTION
 - SCE STABILIZED CONSTRUCTION ENTRANCE
 - //// BACK OF CURB PROTECTION

- GENERAL NOTES**
- THE INTENT OF ALL EROSION CONTROL DEVICES IS TO KEEP ALL SEDIMENT CONFINED TO THE CONSTRUCTION SITE, AND OUT OF ALL UNDERGROUND PIPES, DITCHES, LAKES, AND OTHER DRAINAGE FACILITIES, AND OFF OF STREETS.
 - THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT-OF-WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.
 - EROSION CONTROL DEVICES WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.
 - INLET PROTECTION DEVICES WILL BE REQUIRED WHEREVER WATER CAN DRAIN OFF THE PROJECT SITE INTO AN INLET, INCLUDING ANY SIDE STREET INLETS.
 - EROSION CONTROL DEVICES SHALL BE INSTALLED AT CREEK CROSSINGS SO AS TO PREVENT SEDIMENT FROM ENTERING THEREIN.
 - STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED, AS NEEDED, TO PREVENT MUD FROM TRACKING ONTO STREETS NOT UNDER CONSTRUCTION AND ON STREETS WITHIN THE PROJECT LIMITS IF TRAFFIC IS BEING MAINTAINED THROUGH THE PROJECT.
 - ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.
 - THE CONTRACTOR WILL BE REQUIRED TO PLACE EROSION CONTROL DEVICES BACK OF CURB, WHENEVER WATER CAN DRAIN OVER CURB, TO KEEP ERODED SOIL OUT OF THE GUTTERLINES, IN ACCORDANCE WITH THE FOLLOWING:
 - THE DEVICE REQUIRED WILL BE APPROVED EROSION CONTROL MAT LISTED ON THE CITY'S APPROVED MATERIAL LIST. SAID BLANKET SHALL BE PLACED OVER THE APPROPRIATE SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS. (SEE SOIL EROSION BMPs - BACK OF CURB SEDIMENT BARRIER DETAILS)
 - THIS DEVICE SHALL BE INSTALLED IMMEDIATELY WHENEVER THE CURB IS BACKFILLED TO WITHIN 3" OF THE TOP OF CURB. (SEE CURB BACKFILL DETAIL) OTHER BMPs MAY BE REQUIRED AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB.
 - ADDITIONALLY, OTHER EROSION CONTROL DEVICES (HAY BALES, SILT FENCE, ETC.) WILL BE INSTALLED AT LOCATIONS OF CONCENTRATED FLOW RESULTING IN SEDIMENT OVERRUNNING THE MAT.
 - SHOULD THE PROJECT PLANS SPECIFY THAT THE RIGHT-OF-WAY IS TO BE SODDED, THE EXCELSIOR MAT WILL NOT BE REQUIRED SO LONG AS THE SOD IS PLACED WITHIN 48 HOURS AFTER CURB BACKFILL REACHES A HEIGHT OF 3" OR LESS FROM TOP OF CURB. (SEE CURB BACKFILL DETAIL)



THIS IS A TEMPORARY MEASURE ONLY, WHEN APPROVED BY THE PROJECT ENGINEER. THE DIRT GRADE BEHIND THE CURB SHALL BE BROUGHT TO THE TOP OF CURB, WITH TEMPORARY EROSION CONTROL MAT OR PERMANENT VEGETATION PLACED, PRIOR TO THE COMPLETION OF ALL PROJECTS.



STREET IMPROVEMENT PROJECTS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2020-085614	ORG NUMBER 40102920	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET CP514

REVISION: JUNE 2015

**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2020-085614
SEDGWICK COUNTY, KANSAS

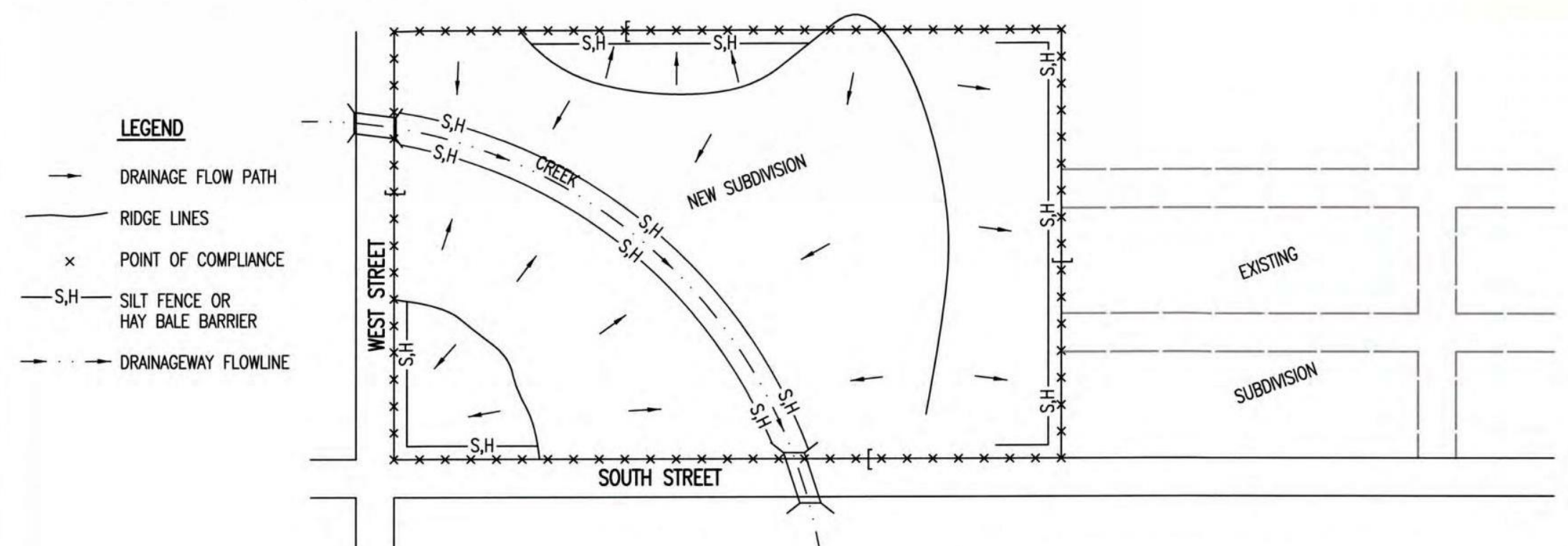
ISSUE:	
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DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

BMP STANDARD

CP514

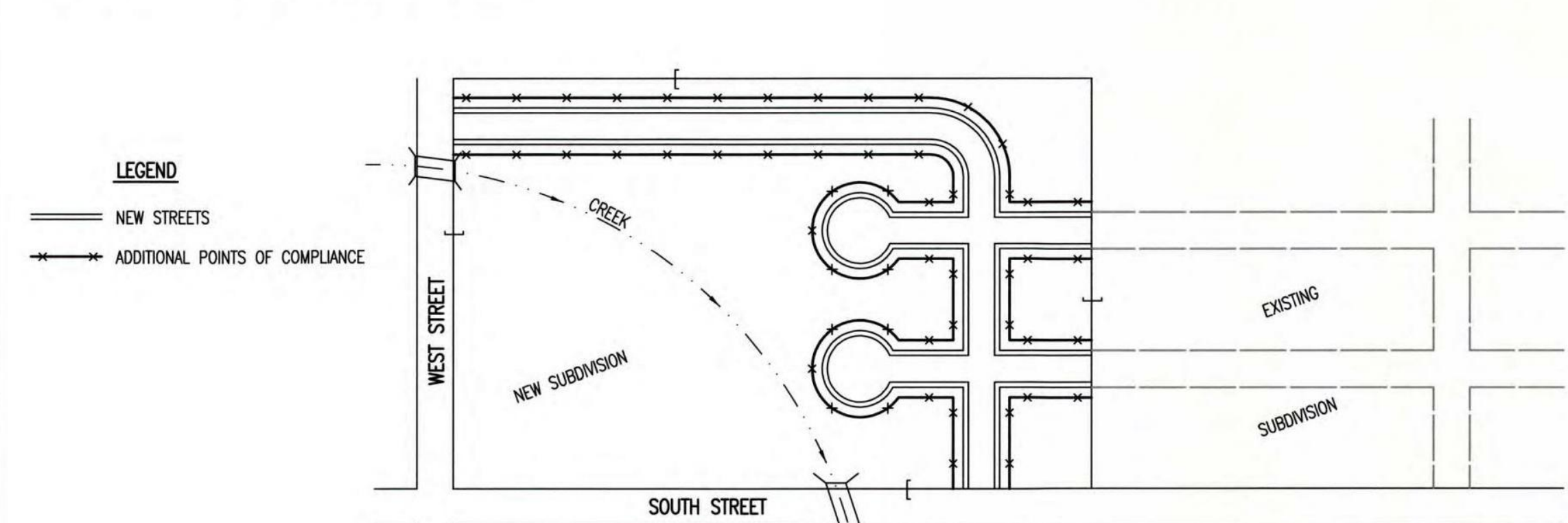
23 OF 41

PHASE 1 - INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER)



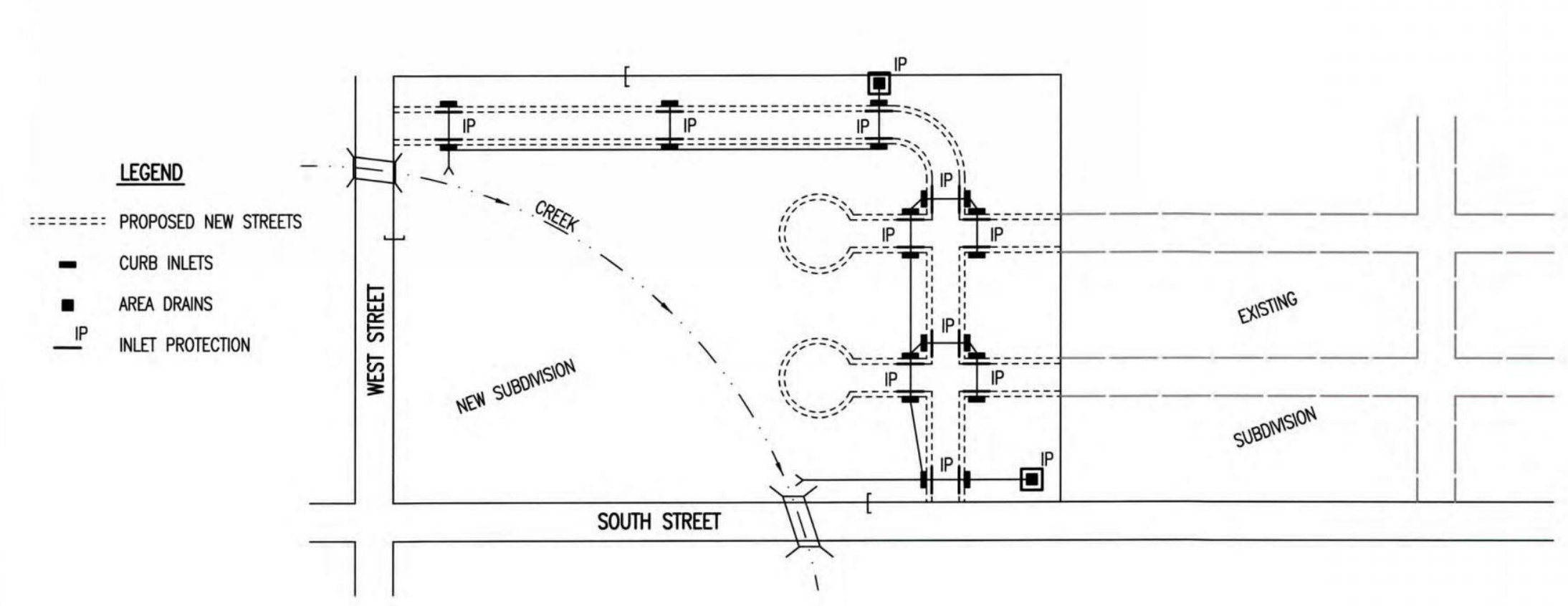
- LEGEND**
- DRAINAGE FLOW PATH
 - RIDGE LINES
 - x POINT OF COMPLIANCE
 - S.H- SILT FENCE OR HAY BALE BARRIER
 - - - DRAINAGEWAY FLOWLINE
- DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
 - HAY BALES OR SILT FENCE MUST BE CONSTRUCTED ALONG THE PROPERTY LINE WHERE ON SITE WATER CAN DRAIN OFF THE PROPERTY. THESE EROSION CONTROL DEVICES WILL ALSO BE INSTALLED ALONG ANY DRAINAGE DITCH OR LAKE THAT CAN DISCHARGE.
 - SHOULD SILT OR SEDIMENT ENTER THE DITCHES OR STREETS ON THE ADJACENT BOUNDARY STREETS, APPROPRIATE EROSION CONTROL DEVICES WILL BE PLACED WITHIN THE SUBDIVISION TO PREVENT THIS.
 - ANY MUD TRACKED ONTO ADJACENT STREETS WILL BE REMOVED WITHIN 48 HOURS OR BY FRIDAY AT 6:00 PM, WHICHEVER IS EARLIER.
 - CONTRACTORS WORKING WITHIN THE SITE WILL NOT BE REQUIRED TO USE INDIVIDUAL EROSION CONTROL DEVICES AS LONG AS THOSE SPECIFIED ABOVE ARE IN PLACE AND EFFECTIVE. CONTRACTORS WORKING ON THE BOUNDARY LINE STREETS OR ON ADJACENT PROPERTIES TO EXTEND UTILITIES ARE EXPECTED TO USE EROSION CONTROL DEVICES AT THEIR WORK LOCATIONS, AS NEEDED.
 - UTILIZE STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE AND EXIT ONTO ANY EXISTING PUBLIC STREETS.
 - IF THE INITIAL EARTH WORK AND UTILITIES ARE DONE AS PART OF A PUBLIC IMPROVEMENT PROJECT, THESE EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS SPECIFIED IN THE INDIVIDUAL PROJECT CONTRACTS. THE CONTRACTOR WILL MAINTAIN THE DEVICES UNTIL COMPLETION OF THE CONTRACT, AT WHICH TIME THE DEVELOPER WILL ASSUME MAINTENANCE RESPONSIBILITIES. IF THESE CONTRACTS ARE NOT PUBLIC IMPROVEMENT PROJECTS, THE DEVELOPER WILL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THESE DEVICES.
 - WITHIN 14 DAYS OF COMPLETION OF EARTHWORK ACTIVITIES IN ANY GIVEN AREA, THAT AREA SHALL BE TEMPORARILY OR PERMANENTLY SEEDED AND MULCHED.

PHASE 3 - STREET CONSTRUCTION



- LEGEND**
- == NEW STREETS
 - ADDITIONAL POINTS OF COMPLIANCE
- DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, NEW STREETS ARE INSTALLED. ALL EROSION CONTROL DEVICES INSTALLED DURING PHASE 1 AND 2 MUST STILL BE MAINTAINED. THE POINT OF COMPLIANCE NOW SHIFTS TO THE BACK OF CURB ALONG EACH STREET.
 - CURB OPENING INLET PROTECTION:
 - SUMP AREAS - INLET PROTECTION SHALL BE PROVIDED WHEN STREET SUBGRADE WORK IS COMPLETED.
 - NON-SUMP LOCATIONS - PROVIDE INLET PROTECTION AS SOON AS BASE COURSE ASPHALT IS INSTALLED, BEFORE THE SURFACE COURSE LIFT.
 - EROSION CONTROL DEVICES WILL BE REQUIRED BACK OF CURB WHEREVER WATER CAN FLOW OVER THE CURB AND THE CURB HAS BEEN BACKFILLED TO WITHIN 3" OR LESS OF THE TOP OF CURB (SEE CURB BACKFILL DETAIL). FOR CURBS NOT YET ENTIRELY BACKFILLED (3" OR MORE BELOW TOP OF CURB), ADDITIONAL DEVICES WILL BE REQUIRED AT POINTS WHERE WATER BREAKS OVER CURB WHICH COULD RESULT IN THE PLACEMENT OF SEDIMENT IN THE GUTTER.
 - SEE DETAIL SHEET FOR BACK OF CURB PROTECTION.
 - THE BACK OF CURB PROTECTION SPECIFIED ON THIS PLAN MAY HAVE TO BE SUPPLEMENTED WITH HAY BALE OR SILT FENCE EROSION CONTROL DEVICES AT LOCATIONS WHERE CONCENTRATED FLOW RESULTS IN SEDIMENT BEING CARRIED OVER THE EXCELSIOR MATS.
 - THE STREET CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING BACK OF CURB EROSION CONTROL DEVICES.
 - THE INDIVIDUAL LOT OWNERS WILL BE RESPONSIBLE FOR MAINTAINING THE BACK OF CURB EROSION CONTROL DEVICES IN FRONT OF THEIR LOTS UNTIL SUCH TIME AS ADJACENT DISTURBED EARTH IS STABILIZED WITH GRASS OR SOD.

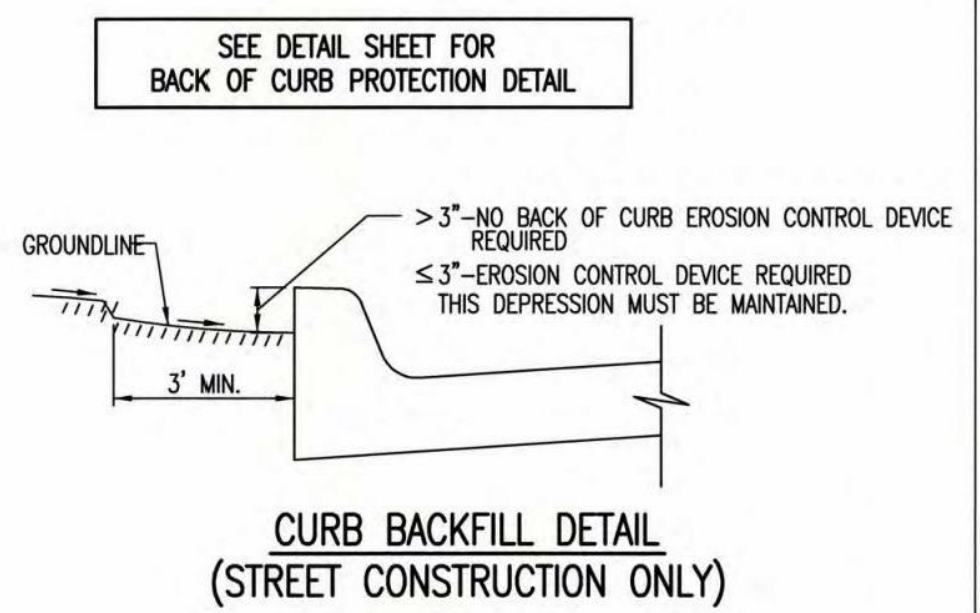
PHASE 2 - INSTALLATION OF STORM SEWER



- LEGEND**
- - - PROPOSED NEW STREETS
 - CURB INLETS
 - AREA DRAINS
 - IP INLET PROTECTION
- DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
 - AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
 - AREA DRAINS - AS SOON AS WATER CAN FLOW INTO THESE DRAINS, HAY BALE OR SILT FENCE PROTECTION WILL BE INSTALLED AROUND THEM.
 - CURB OPENING INLETS - AS SOON AS WATER CAN FLOW INTO THESE DRAINS, INLET PROTECTION DEVICES MUST BE INSTALLED. IF WATER CANNOT FLOW INTO CURB INLETS UNTIL STREET CONSTRUCTION IS COMPLETE, THEN STREET CONTRACTOR WILL INSTALL INLET PROTECTION. SEE PHASE 3 - STREET CONSTRUCTION.
 - THE STORM SEWER CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THESE DEVICES.
 - THE SUBDIVISION DEVELOPER WILL MAINTAIN THESE EROSION CONTROL DEVICES ONCE INSTALLED.
 - ALL DISTURBED GROUND WILL BE FINAL GRADED AND TEMPORARILY OR PERMANENTLY SEEDED WITHIN 14 DAYS IF COMPLETION OF WORK IN ANY GIVEN PART OF THE SUBDIVISION.
 - ONCE ALL DISTURBED GROUND DRAINING TO AN INLET HAS BEEN RESTABILIZED WITH GRASS OR SOD, THE SUBDIVISION DEVELOPER WILL BE RESPONSIBLE FOR PERMANENTLY REMOVING THE INLET PROTECTION.

GENERAL NOTES

- THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER OTHER DRAINAGE FEATURE.
- THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO BID PROJECTS ACCORDINGLY.
- EROSION CONTROL DEVICES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS TO REMAIN EFFECTIVE. MAINTENANCE SHALL BE AS INDICATED ON SOIL EROSION BMP'S DETAIL SHEETS.
- PERSONS DESTROYING EROSION CONTROL DEVICES SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING THEM OR INSTALLING SUITABLE REPLACEMENT DEVICES.
- THE DEVELOPMENT OF ANY SUBDIVISION THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED. EROSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON POLLUTION PREVENTION PLANS.
- FOR SUBDIVISIONS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
- FAILURE TO USE AND MAINTAIN SOIL EROSION DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE SUBDIVISION DEVELOPER AND CONTRACTORS TO THE PENALTIES PROVIDED THEREIN.
- THE APPLICATION OF EROSION CONTROL DEVICES SHOWN ON THIS SHEET IS FOR SITUATIONS NORMALLY ENCOUNTERED. FROM TIME TO TIME, SITUATIONS WILL ARISE THAT MAY REQUIRE DEVICES OTHER THAN THAT SHOWN. EROSION CONTROL DEVICES, OTHER THAN THOSE SHOWN, MAY BE UTILIZED SO LONG AS THEY ARE EFFECTIVE AND MAINTAINED.
- A STABILIZED EARTH SURFACE IS DEFINED AS ONE THAT IS HARD SURFACED WITH CONCRETE, ASPHALT, OR THE LIKE, OR ONE ON WHICH 70% OF THE GRASS HAS GERMINATED ON THE ENTIRE SURFACE.



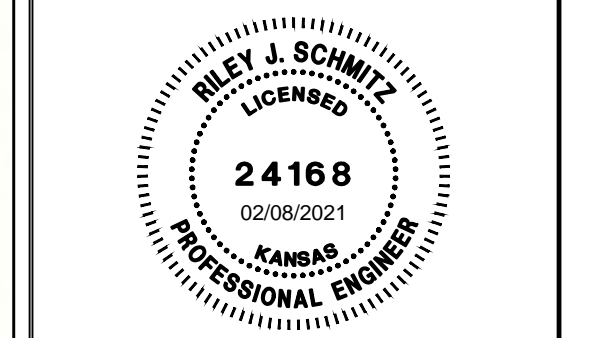
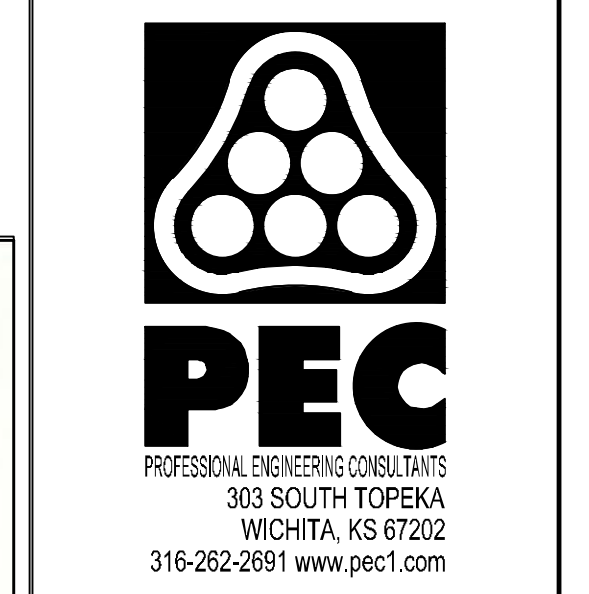
SUBDIVISION DEVELOPMENT PROCESS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER: 472-2020-085614
ORG NUMBER: 40102920
DATE: 02/08/2021

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

SHEET: CP515



37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2020-085614
SEDGWICK COUNTY, KANSAS

ISSUE:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

BMP STANDARD

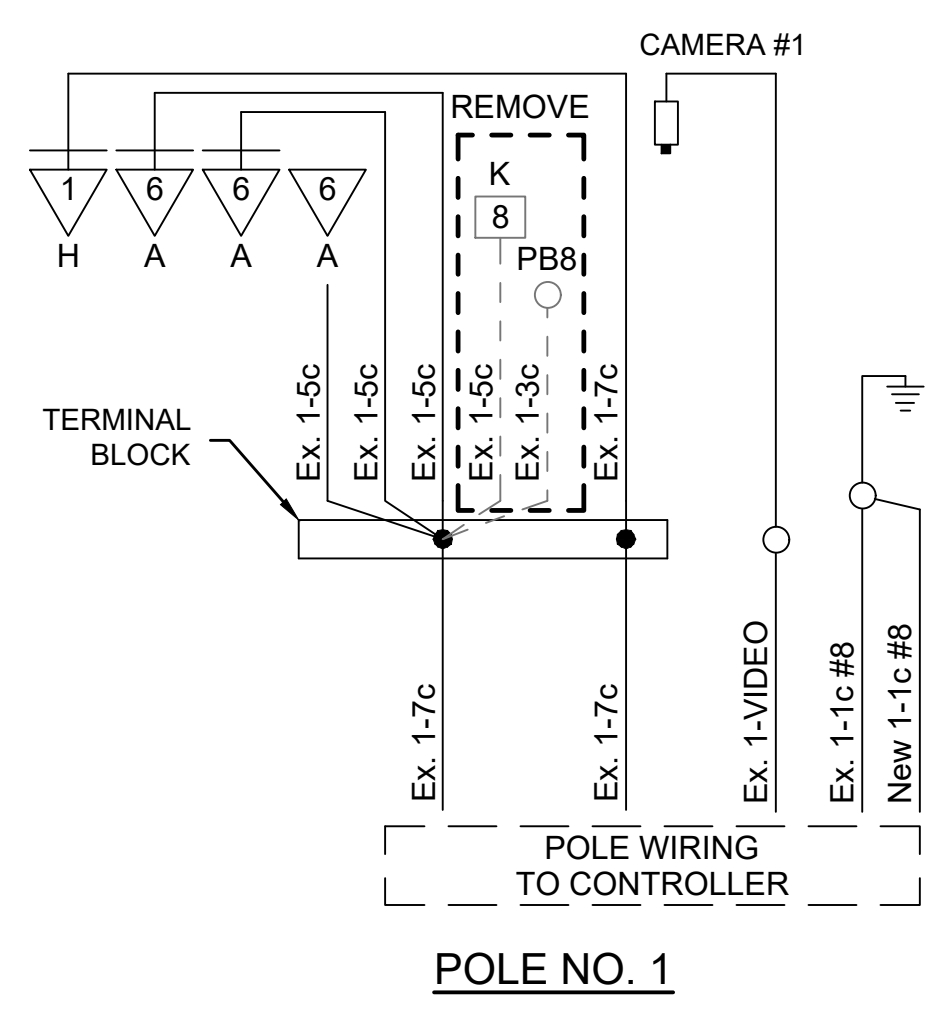
CP515
24 OF 41

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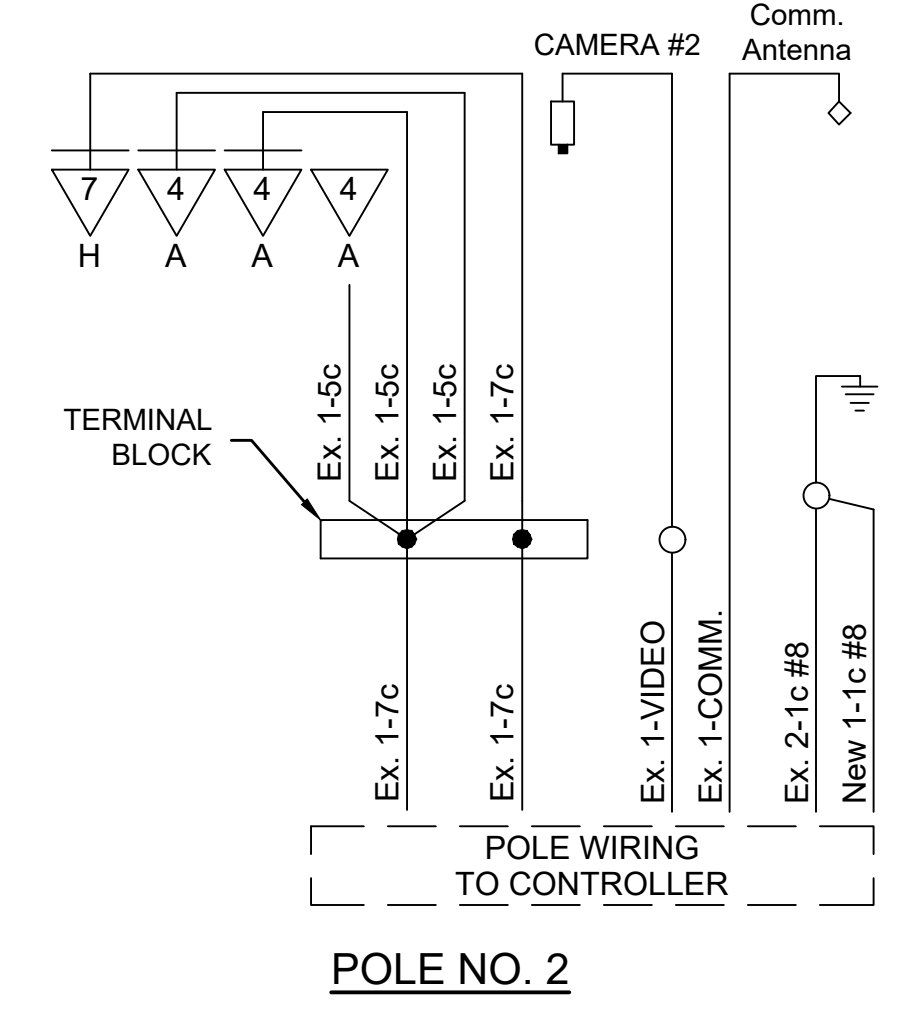
SW-505

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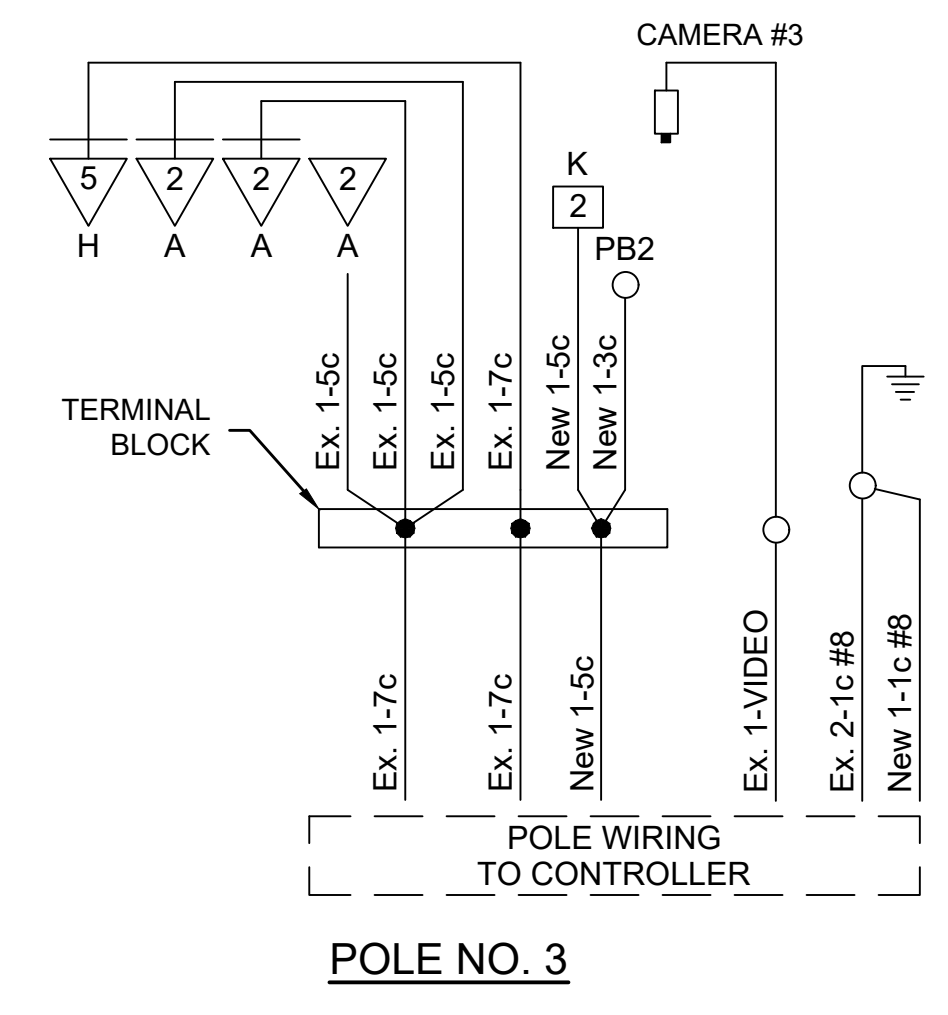
POLE WIRING DIAGRAM
NOT TO SCALE



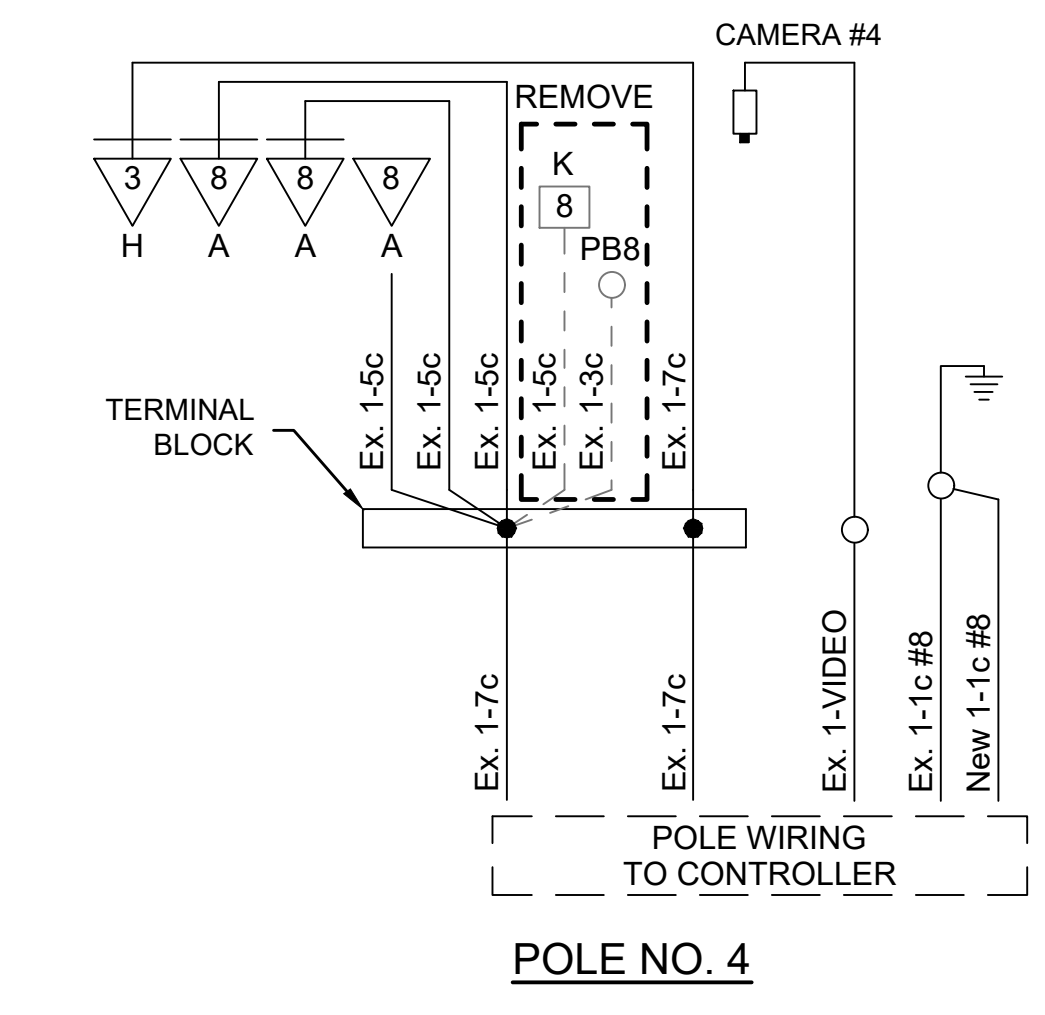
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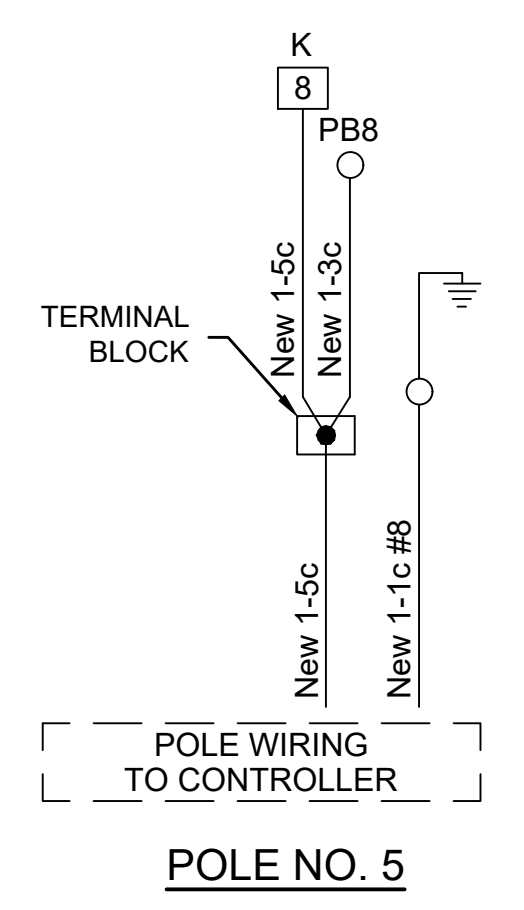
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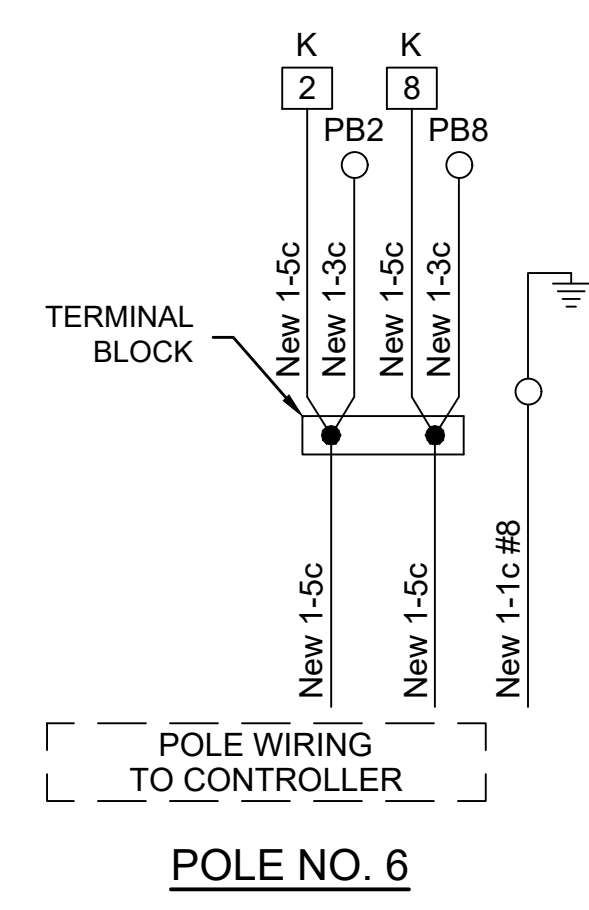
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POLE NO. 4

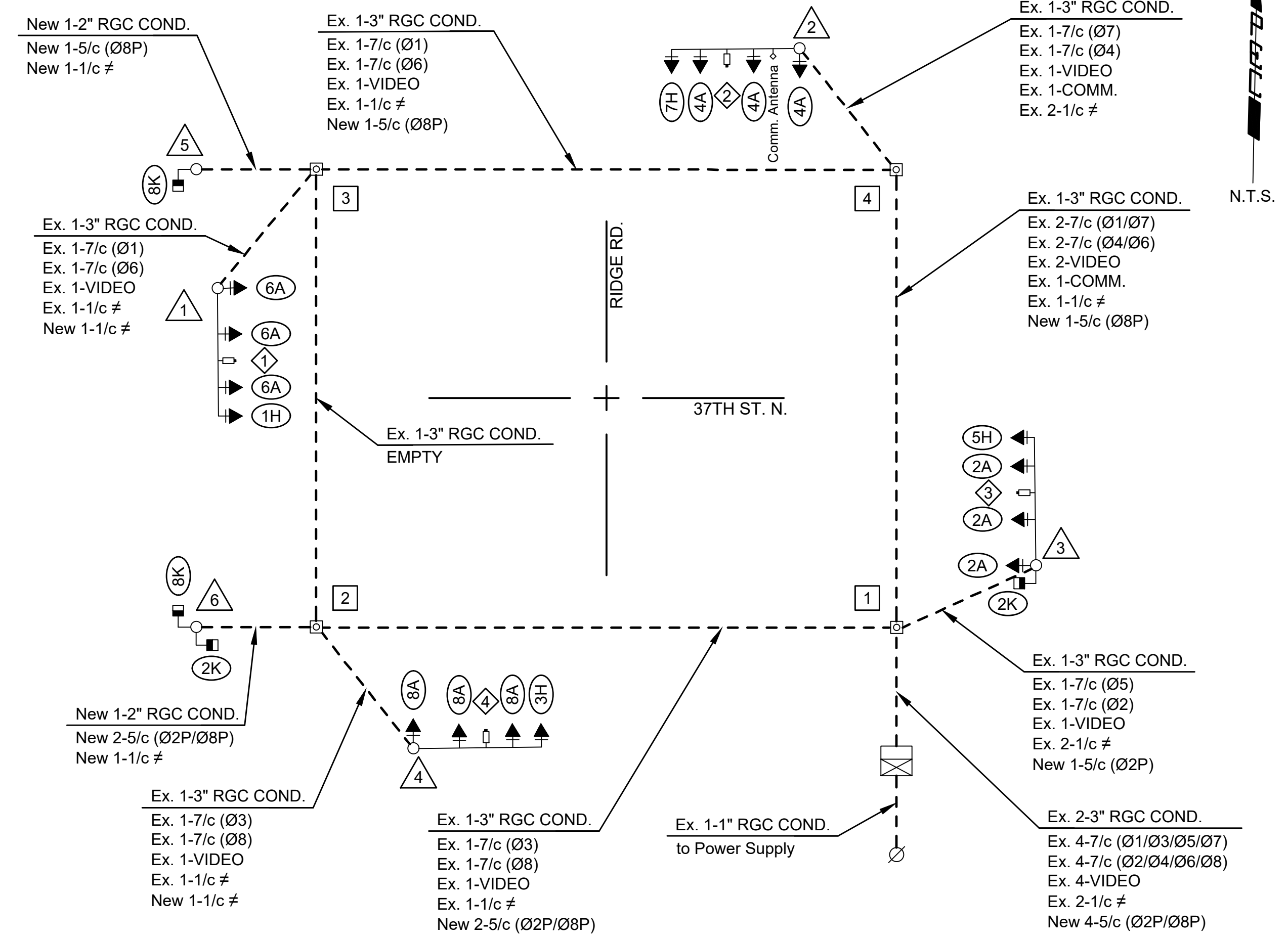


POLE NO. 5



POLE NO. 6

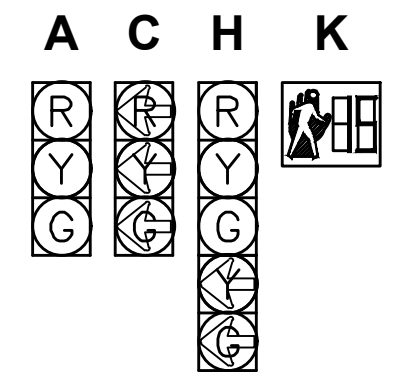
WIRING DIAGRAM
NOT TO SCALE



- NOTES:**
1. All signal cables shall be #14 A.W.G. unless otherwise stated.
 2. Ground wire (z) shall be 1/c #8 A.W.G. (Green) and shall be continuous.
 3. Each pole shall have a separate ground rod in addition to continuous ground wire.
 4. All splices to signal cable are to be within the pole base - no splices of signal cable are permitted within the service boxes.

- LEGEND**
- 1 SERVICE/ JUNCTION BOX NUMBER
 - 1 SIGNAL POLE NUMBER
 - 1A SIGNAL HEAD PHASE/TYPE
 - 1 CAMERA NUMBER

TRAFFIC SIGNAL HEADS



NOTE:
ALL INDICATIONS SHALL BE L.E.D. DISPLAYS (12" DIA. LENS), EXCEPT PEDESTRIAN DISPLAYS WHICH SHALL BE 18" WIDE x 16" TALL.



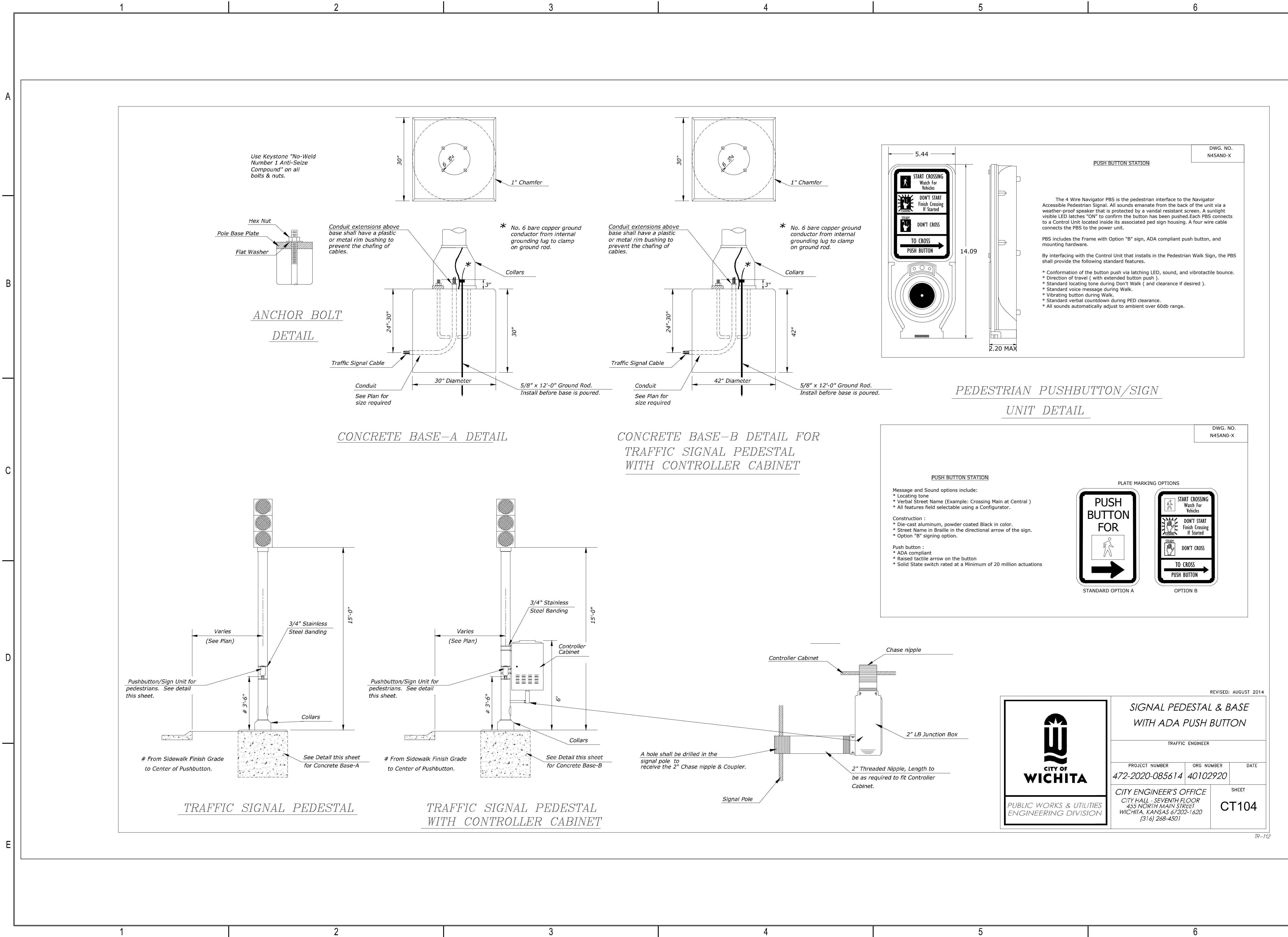
**37TH ST N. SIDEWALK
RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

WIRING DIAGRAM

SAVED: 2/5/2021 9:18:35 AM BY BILL SEXSON
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37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

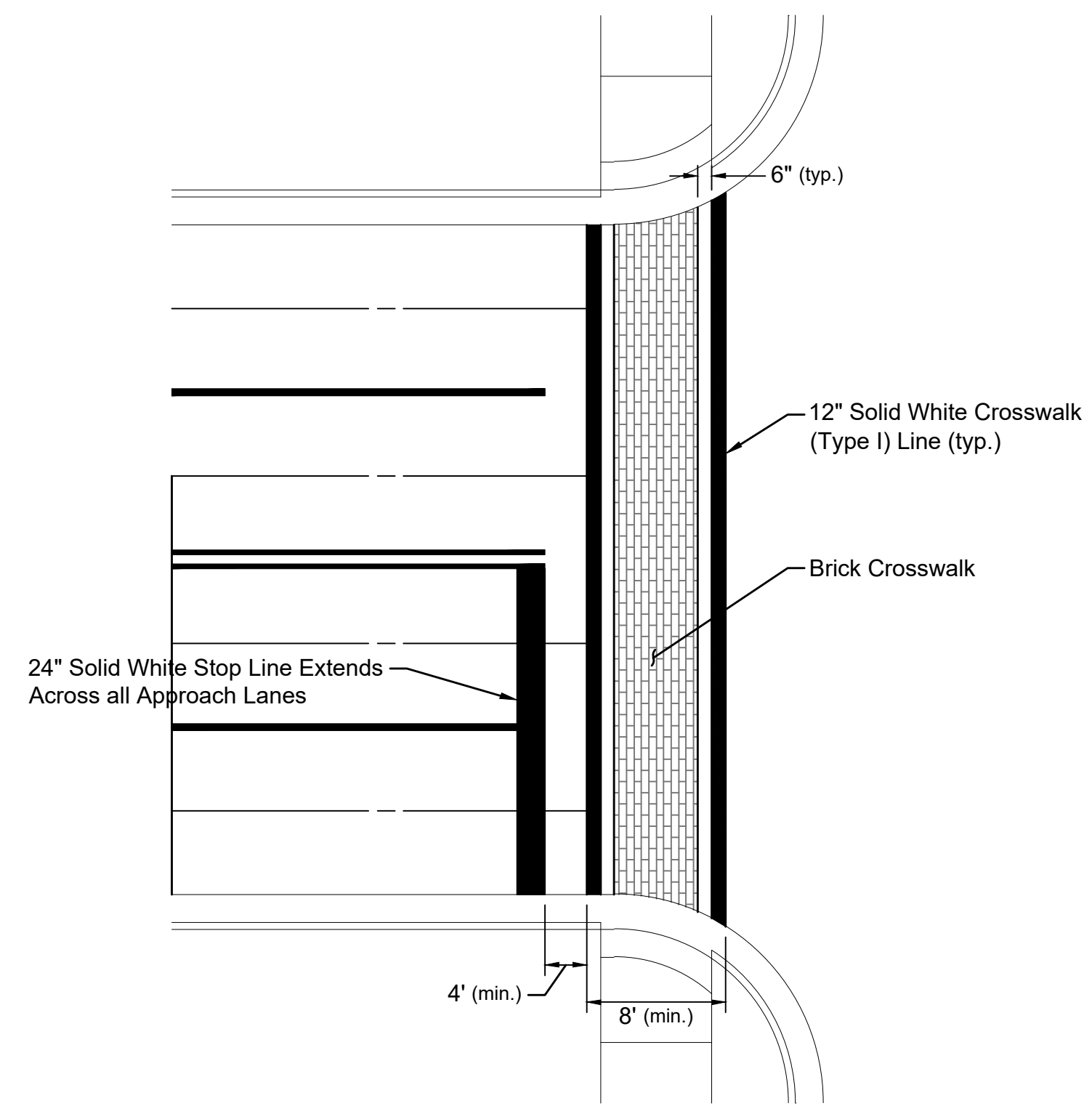
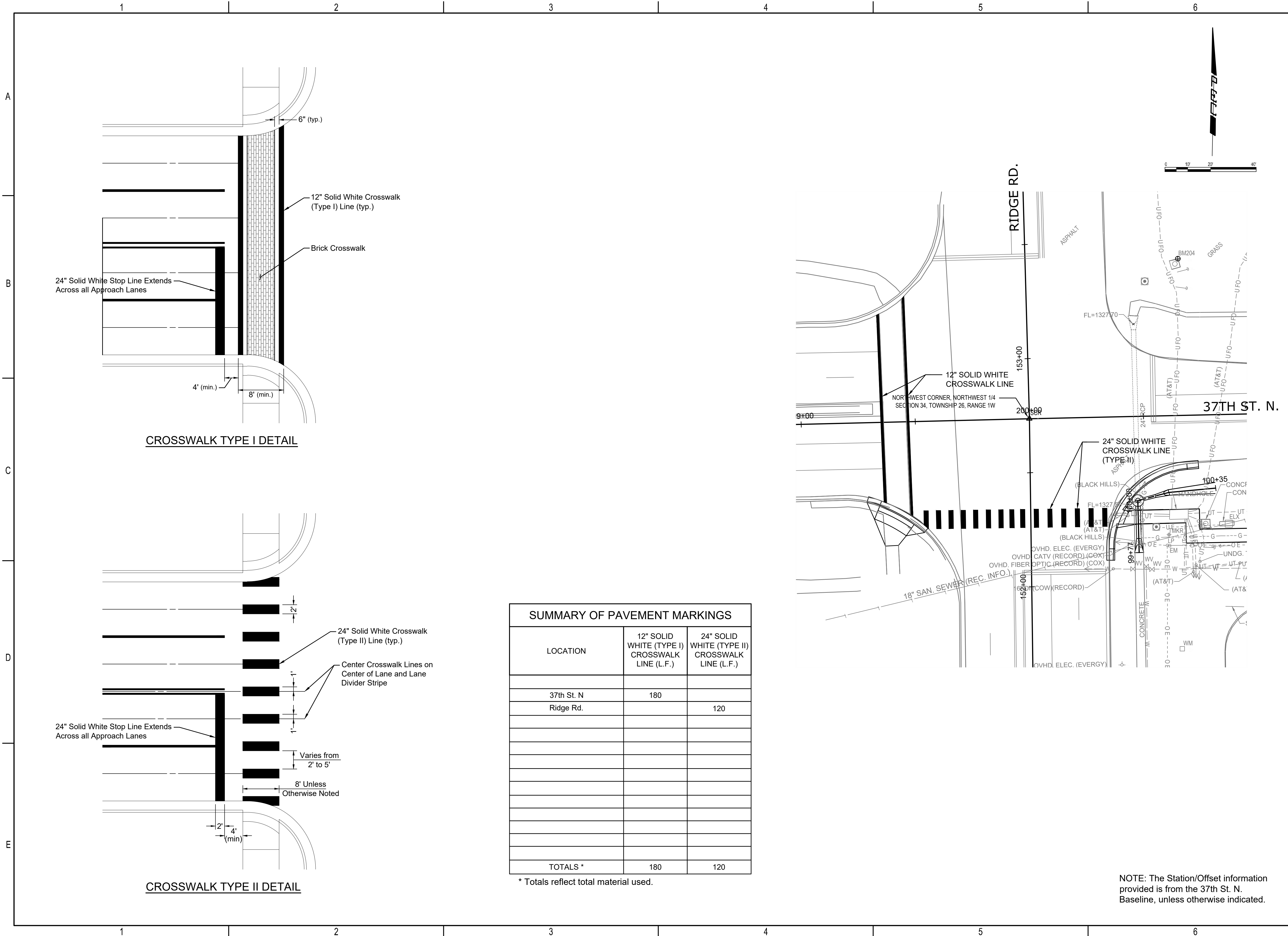


REVISD: AUGUST 2014		
SIGNAL PEDESTAL & BASE WITH ADA PUSH BUTTON		
TRAFFIC ENGINEER		
PROJECT NUMBER	ORG NUMBER	DATE
472-2020-085614	40102920	
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		CT104

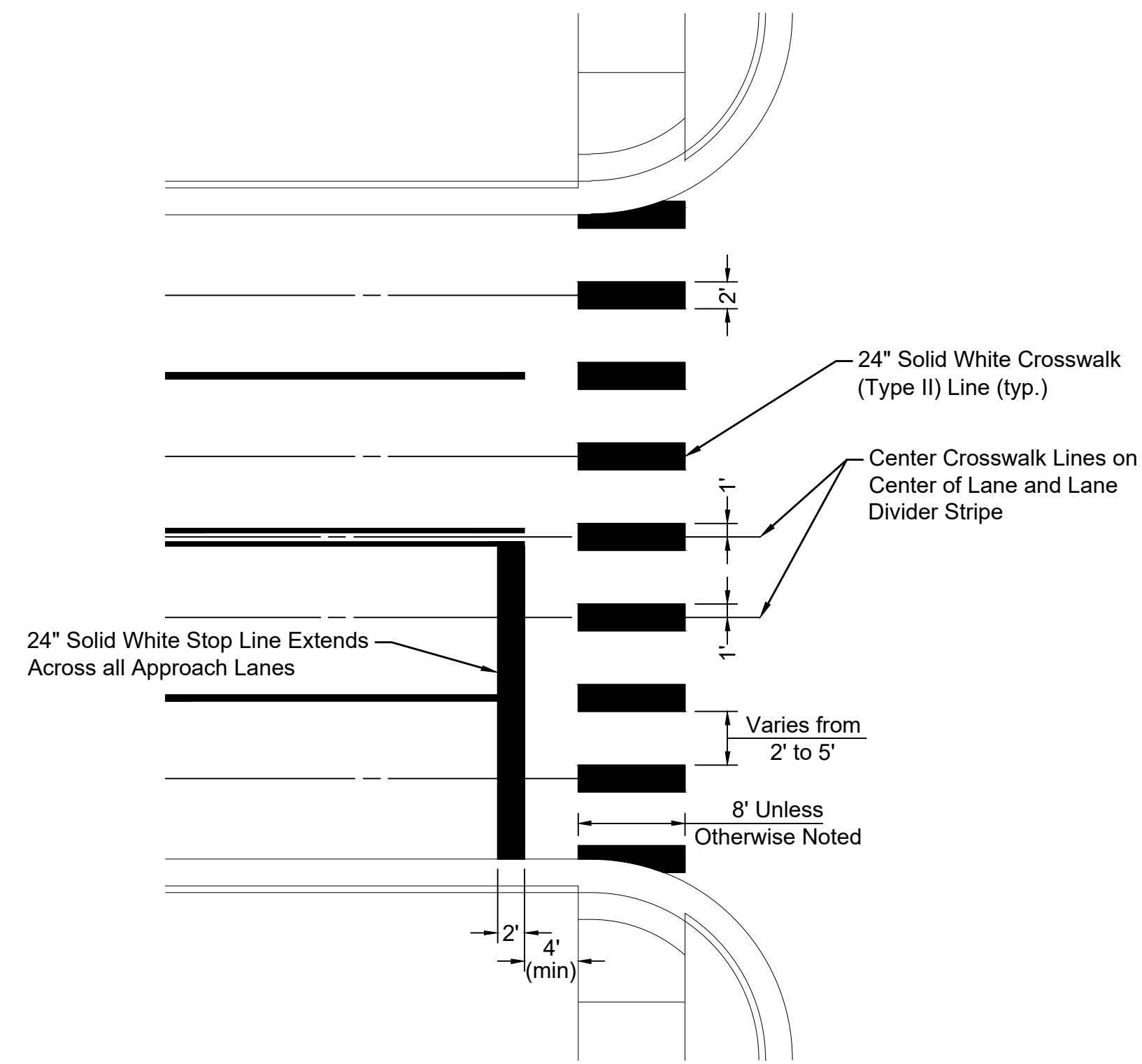
ISSUE:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS
SIGNAL PEDESTAL & BASE WITH ADA PUSH BUTTON	

CT104
28 OF 41

SAVED 2/5/2021 9:01:46 AM BY BILL SEXSON
 PLOTTED 2/5/2021 10:30:35 AM BY BILL SEXSON, CET
 U:\WICHITA-CIVIL\2020\207042\001\MUNI-TRANS\DRAWINGS\207042-001-29-CT301 PAVEMENT MARK PLAN.DWG



CROSSWALK TYPE I DETAIL

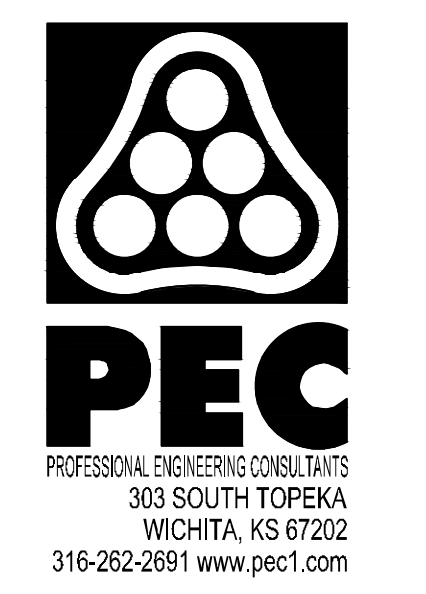


CROSSWALK TYPE II DETAIL

SUMMARY OF PAVEMENT MARKINGS		
LOCATION	12" SOLID WHITE (TYPE I) CROSSWALK LINE (L.F.)	24" SOLID WHITE (TYPE II) CROSSWALK LINE (L.F.)
37th St. N	180	
Ridge Rd.		120
TOTALS *	180	120

* Totals reflect total material used.

NOTE: The Station/Offset information provided is from the 37th St. N. Baseline, unless otherwise indicated.



37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT

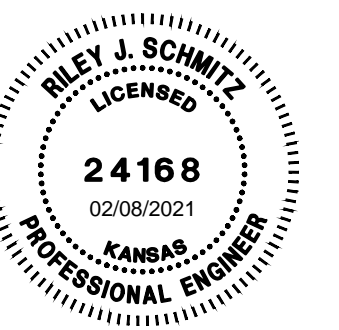
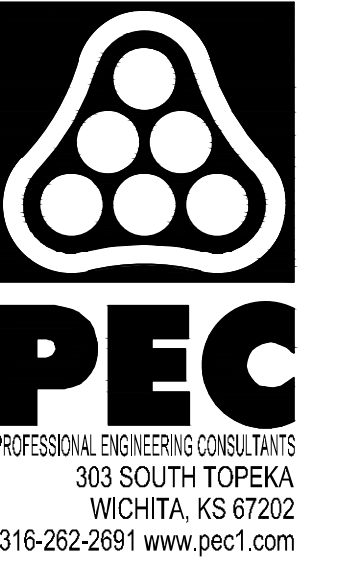
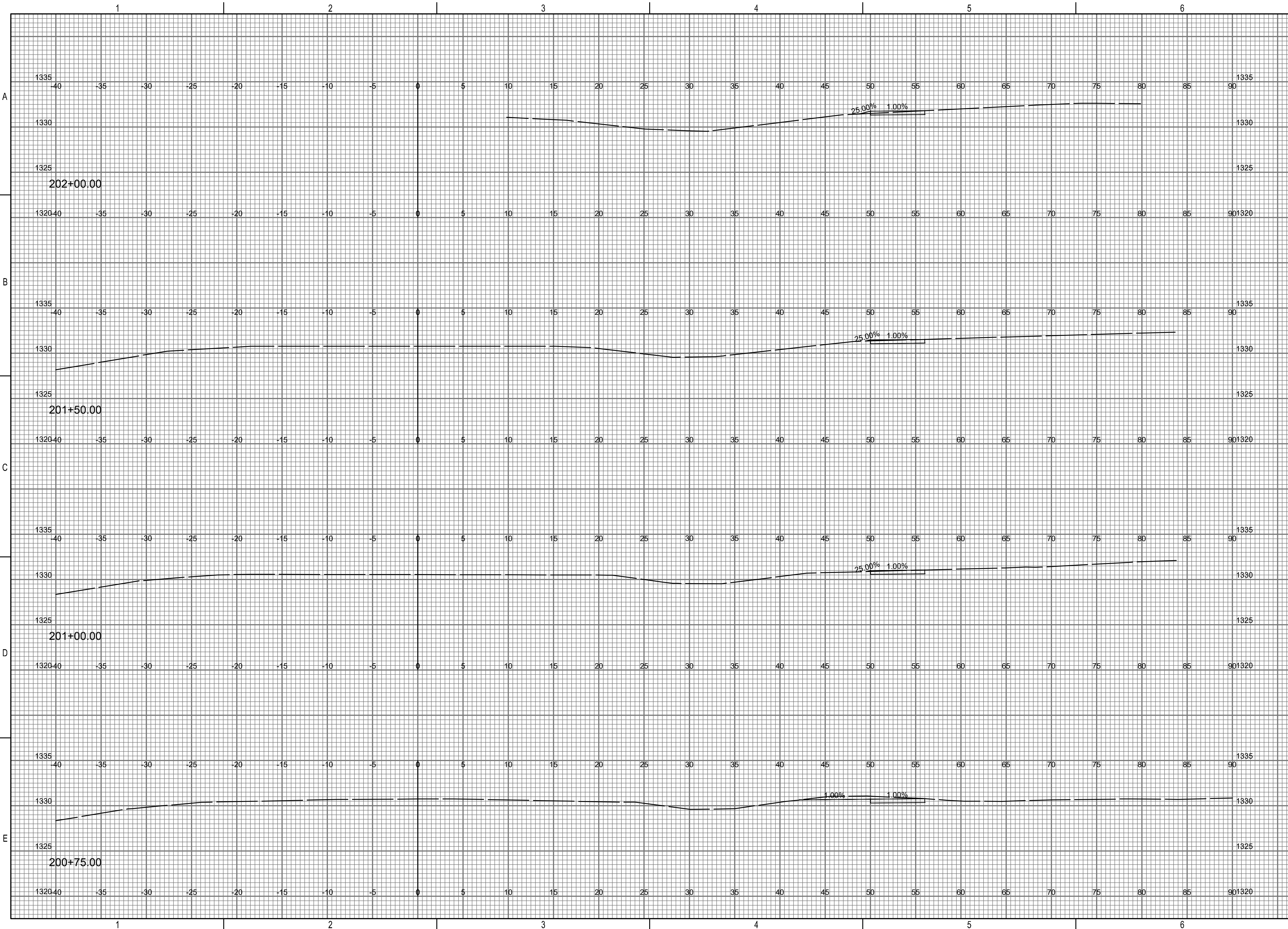
GARY JANZEN, P.E., CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-085614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
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CHECKED BY	RJS

PAVEMENT MARKING PLAN

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 PLOTTED 2/5/2021 10:30:46 AM BY BILL SEXSON, CET
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

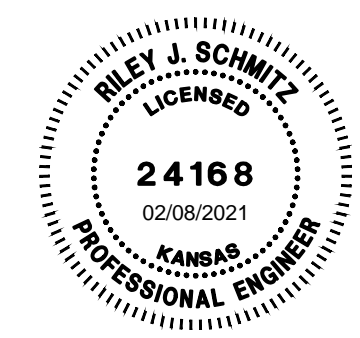
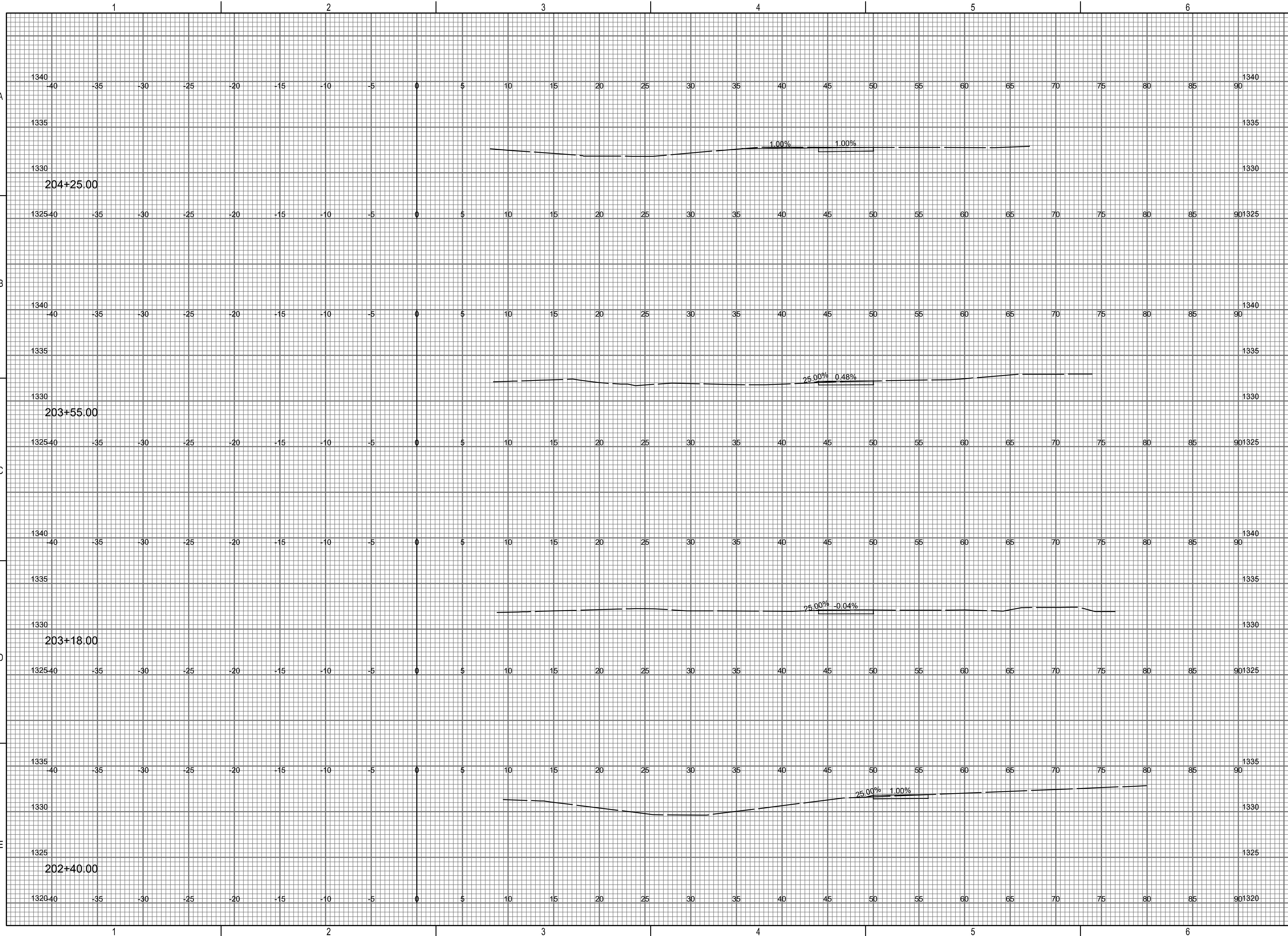
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
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37TH STREET N
CX601
 30 OF 41

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 PLOTTED 2/5/2021 10:30:51 AM BY BILL SEXSON, CET
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

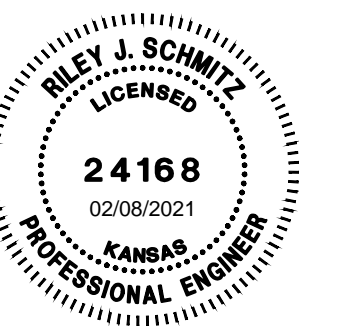
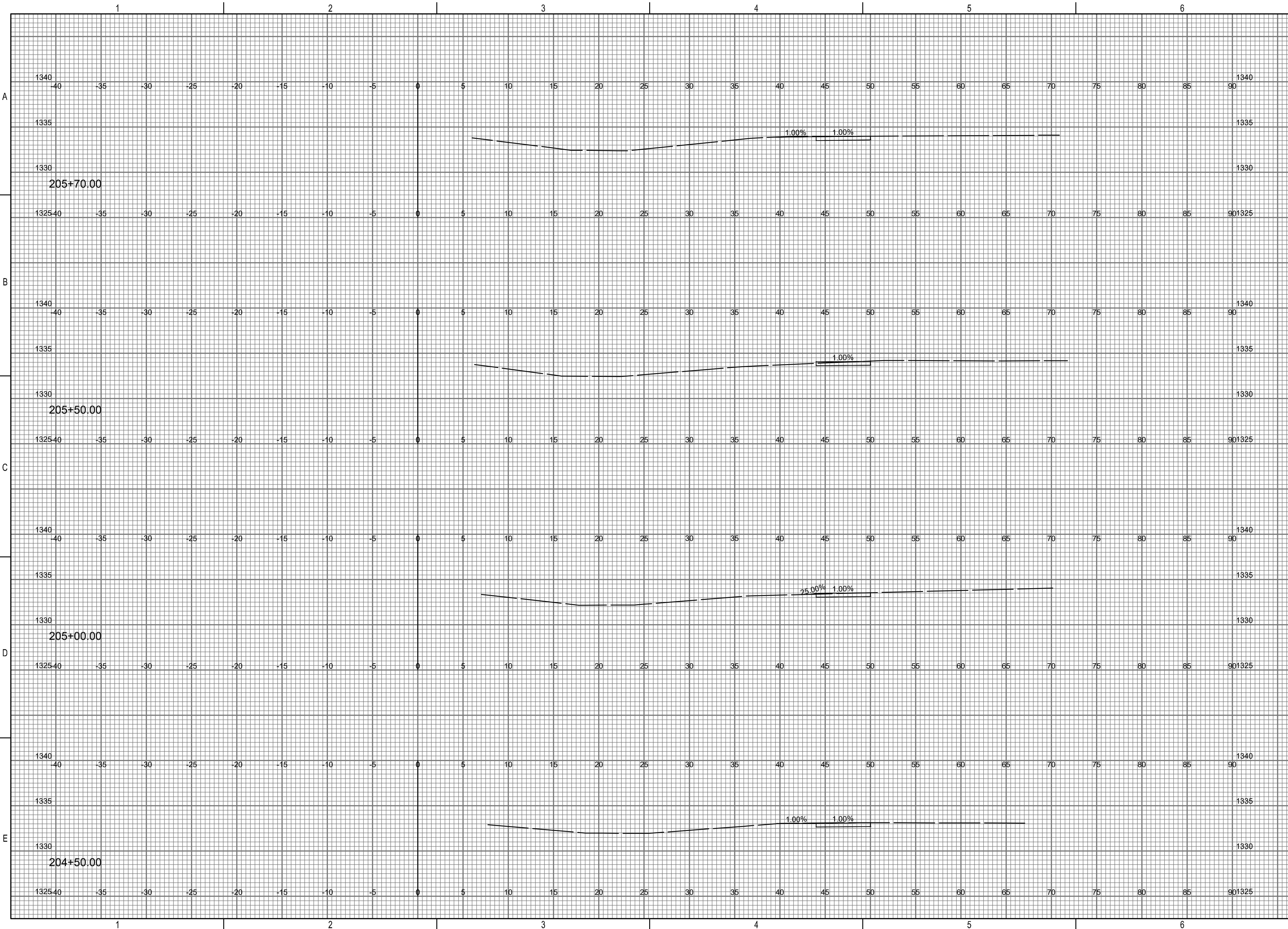
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
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37TH STREET N

CX602
 31 OF 41

SAVED 2/5/2021 9:04:24 AM BY BILL SEXSON
 PLOTTED 2/5/2021 10:30:56 AM BY BILL SEXSON, CET
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

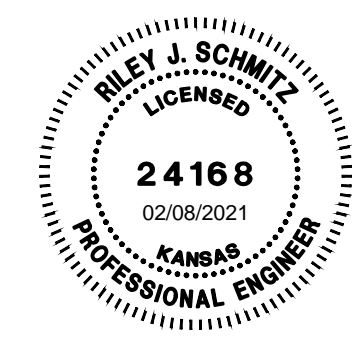
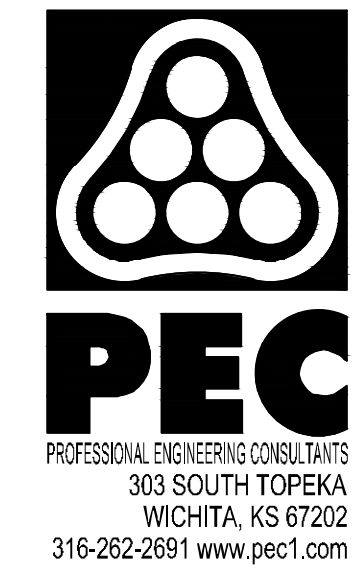
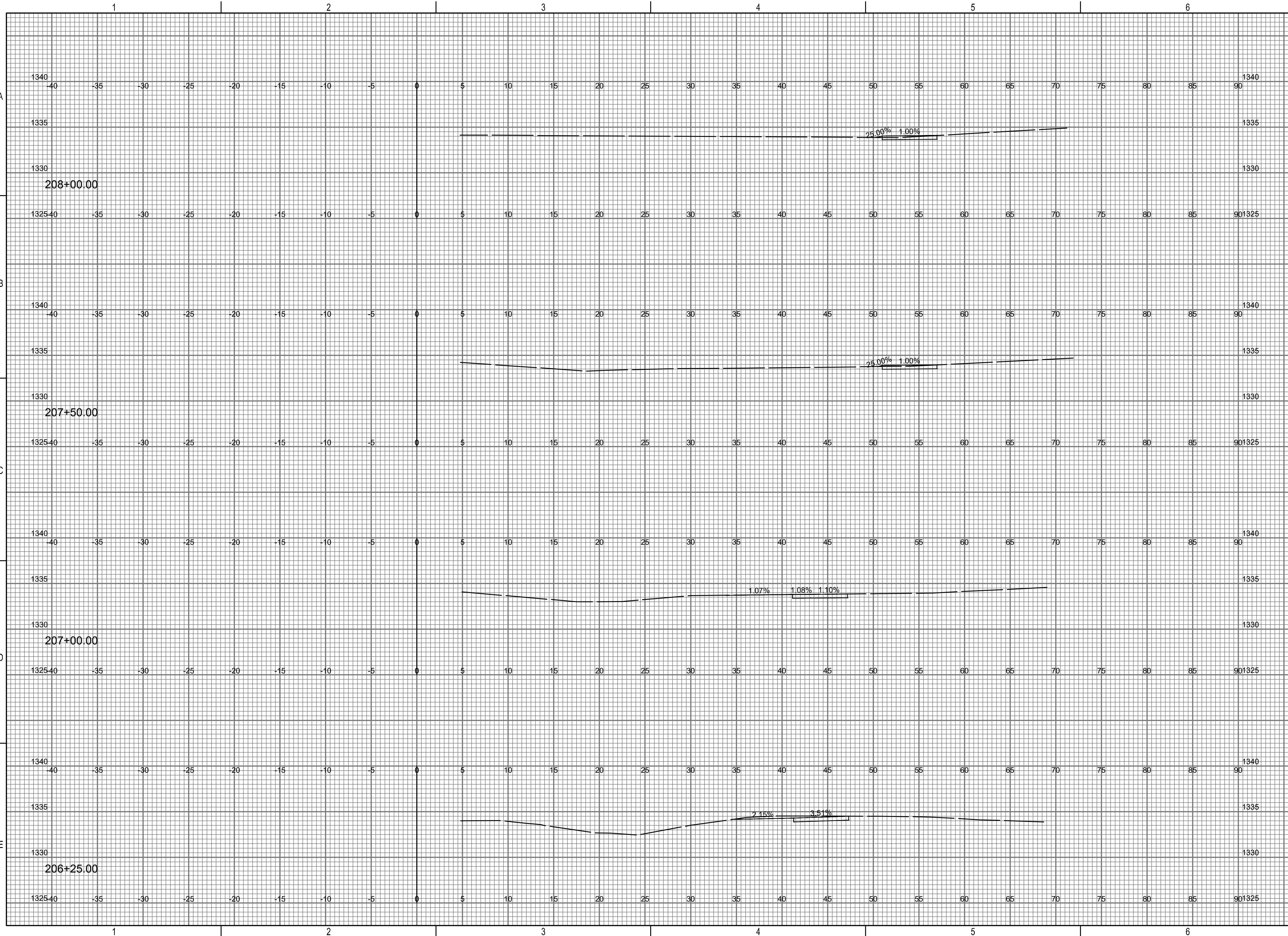
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

37TH STREET N

SAVED 2/5/2021 9:04:24 AM BY BILL SEXSON
 PLOTTED 2/5/2021 10:31:01 AM BY BILL SEXSON, CET
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

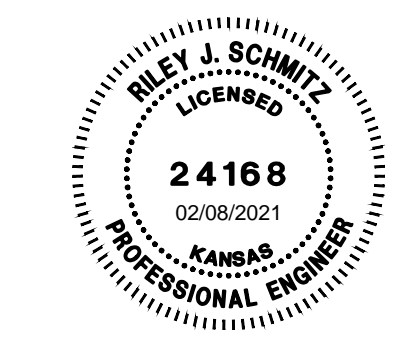
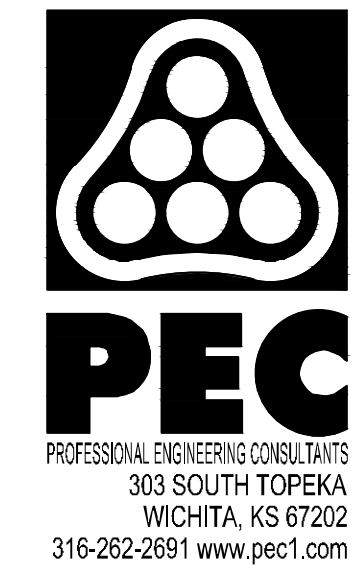
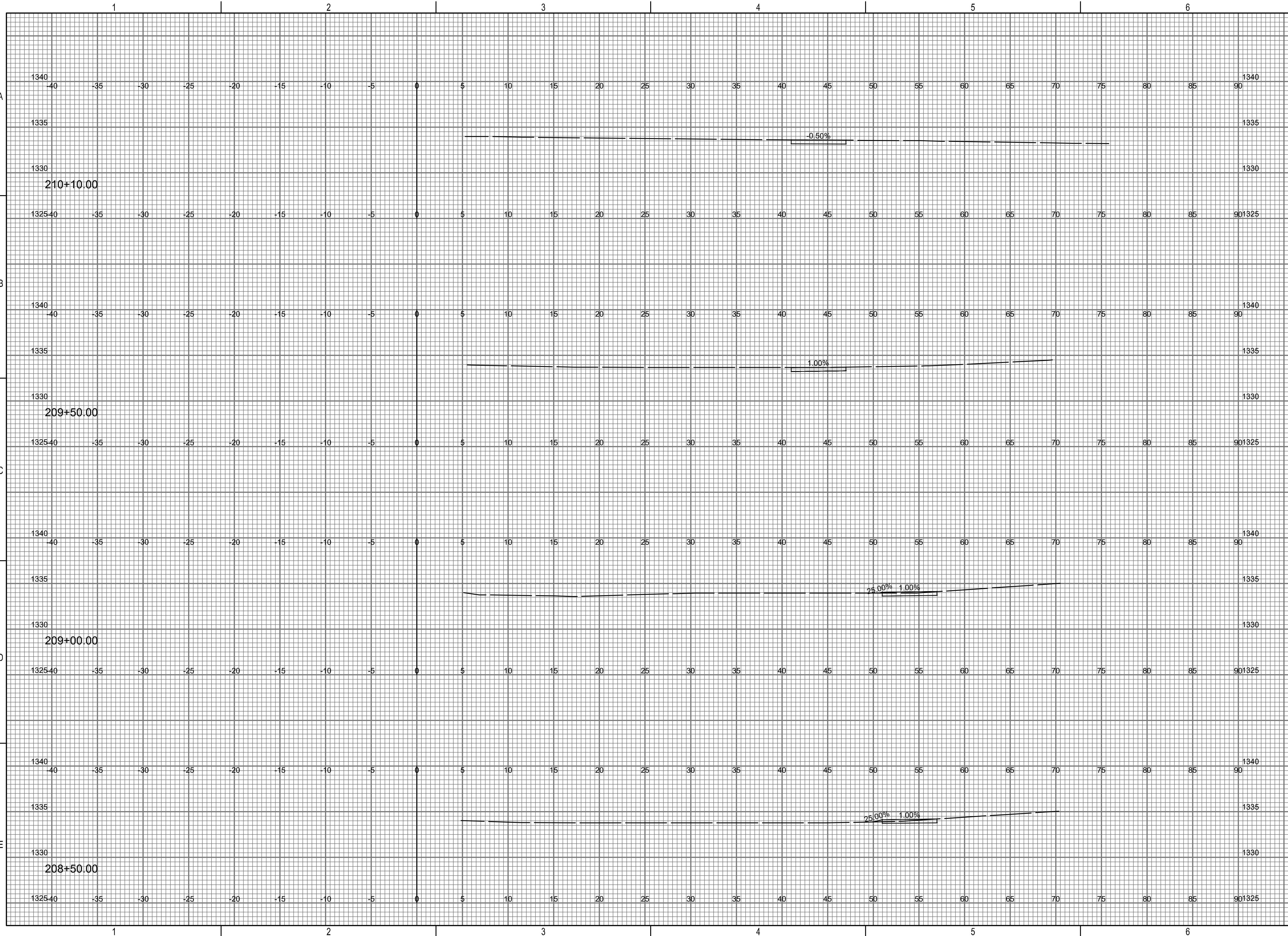
Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

37TH STREET N

CX604
 33 OF 41

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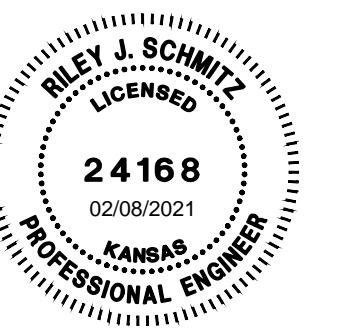
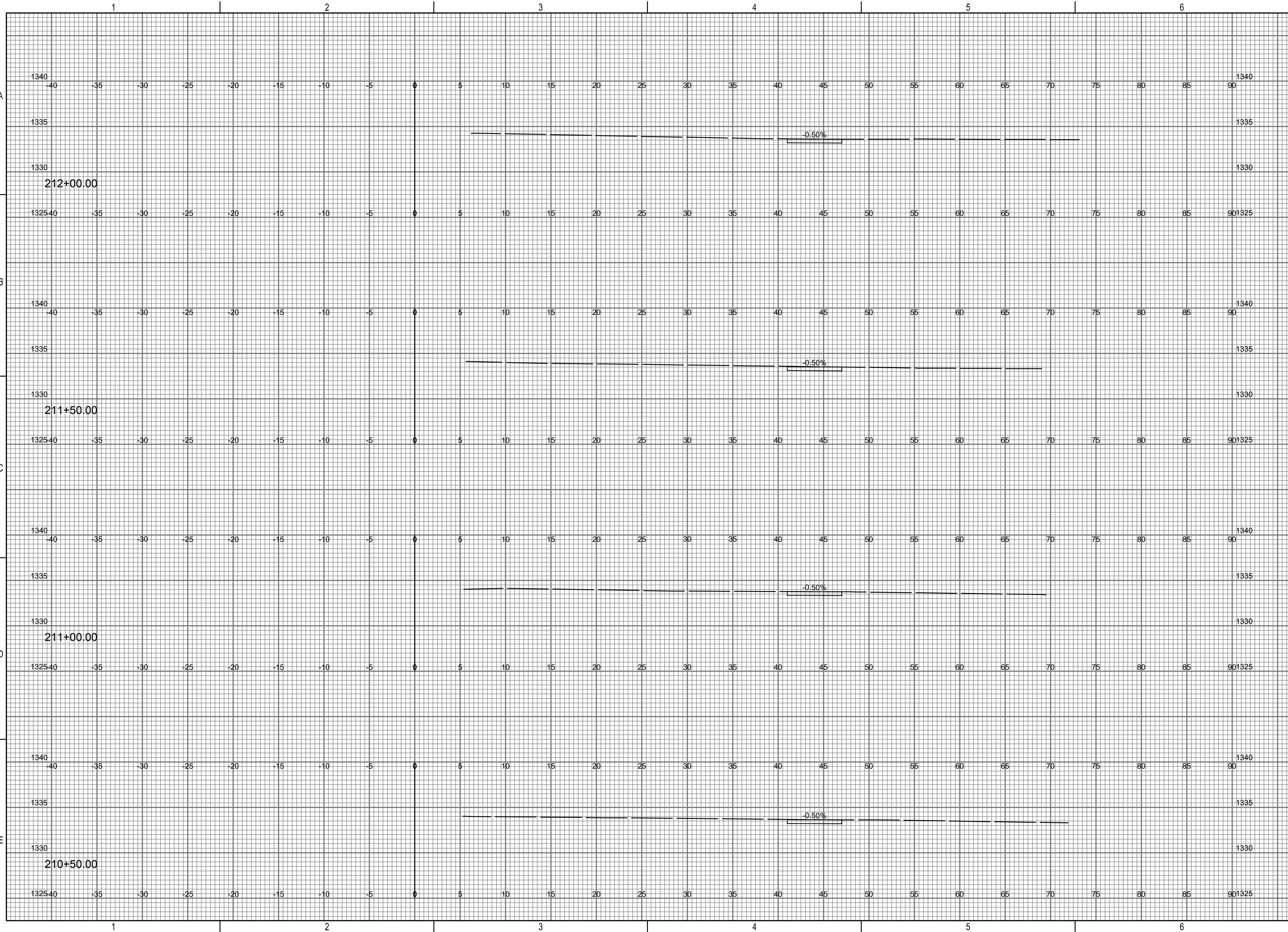
**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	
JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

37TH STREET N

SAVED 2/5/2021 9:04:24 AM BY BILL SEXSON
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

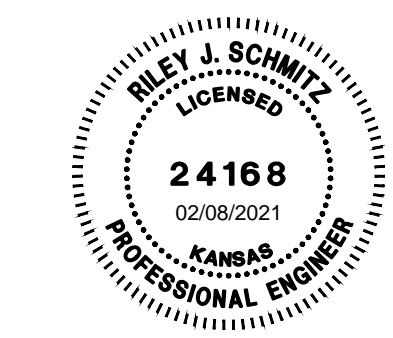
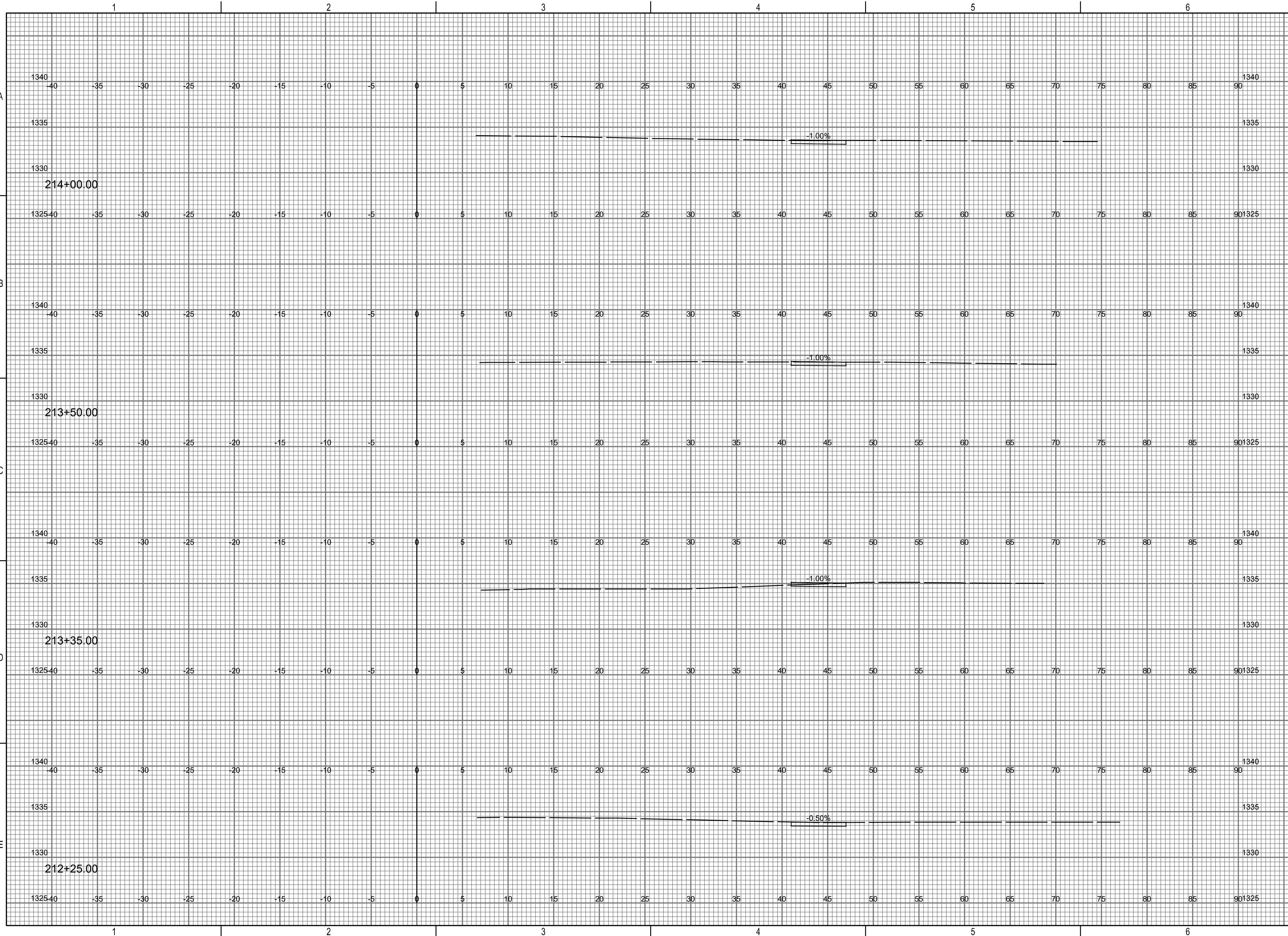
GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	207042-001
DATE	FEBRUARY 2021
PM	BMM
DESIGNED BY	KMS
DRAWN BY	BJS
CHECKED BY	RJS

37TH STREET N

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 PLOTTED 2/5/2021 10:31:16 AM BY BILL SEXSON, CET
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
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 SEDGWICK COUNTY, KANSAS

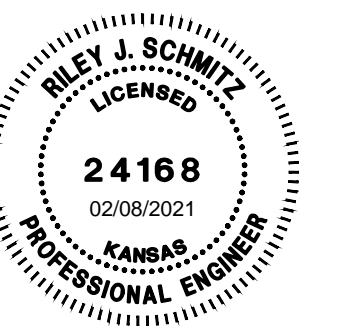
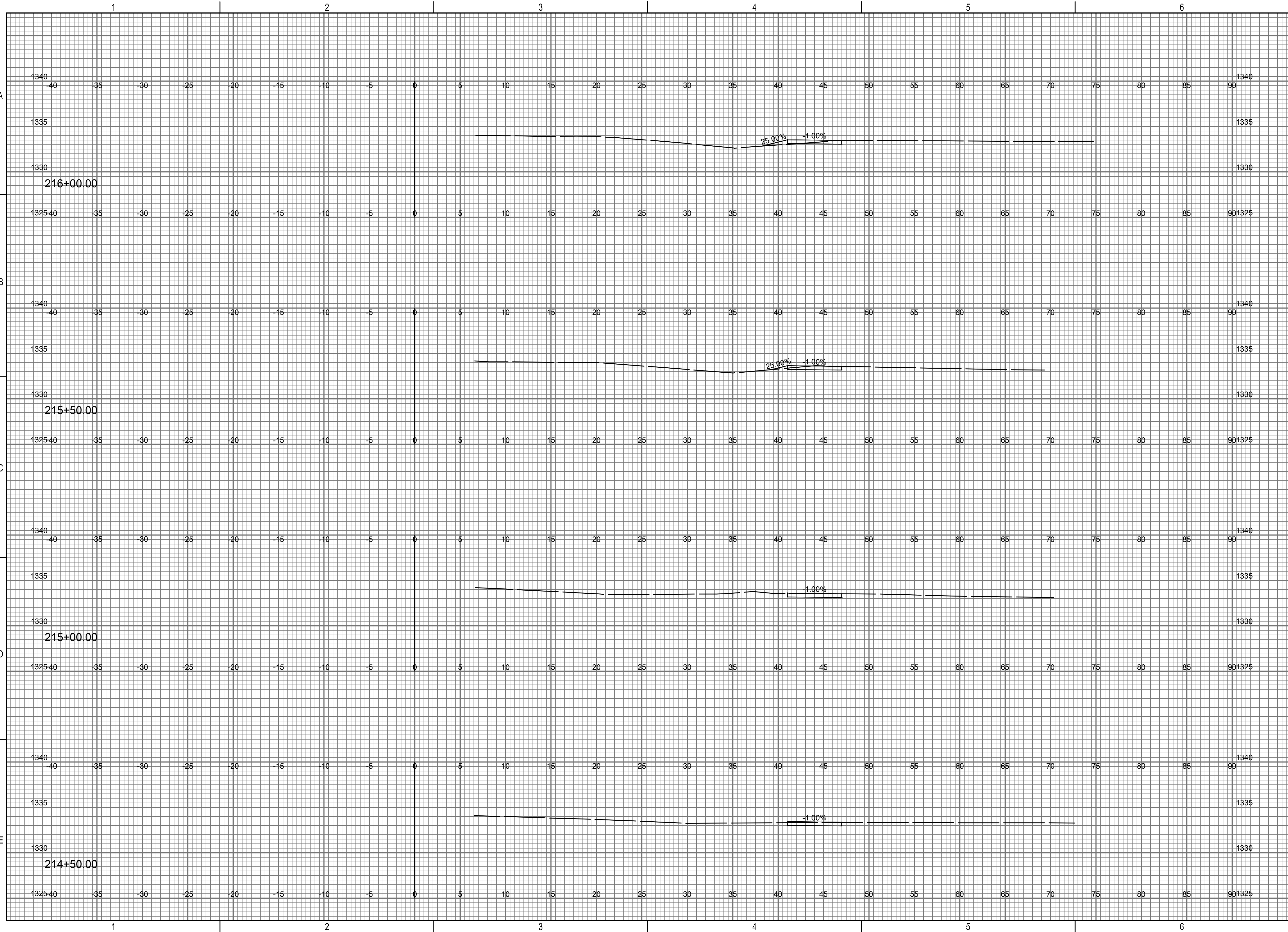
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DATE	FEBRUARY 2021
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37TH STREET N

CX607
 36 OF 41

SAVED 2/5/2021 9:04:24 AM BY BILL SEXSON
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

GARY JANZEN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2020-086614
 SEDGWICK COUNTY, KANSAS

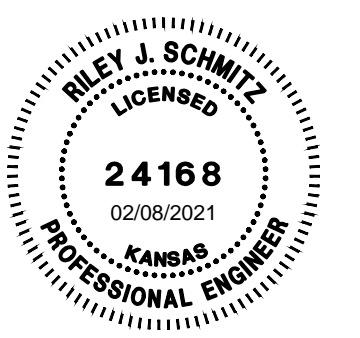
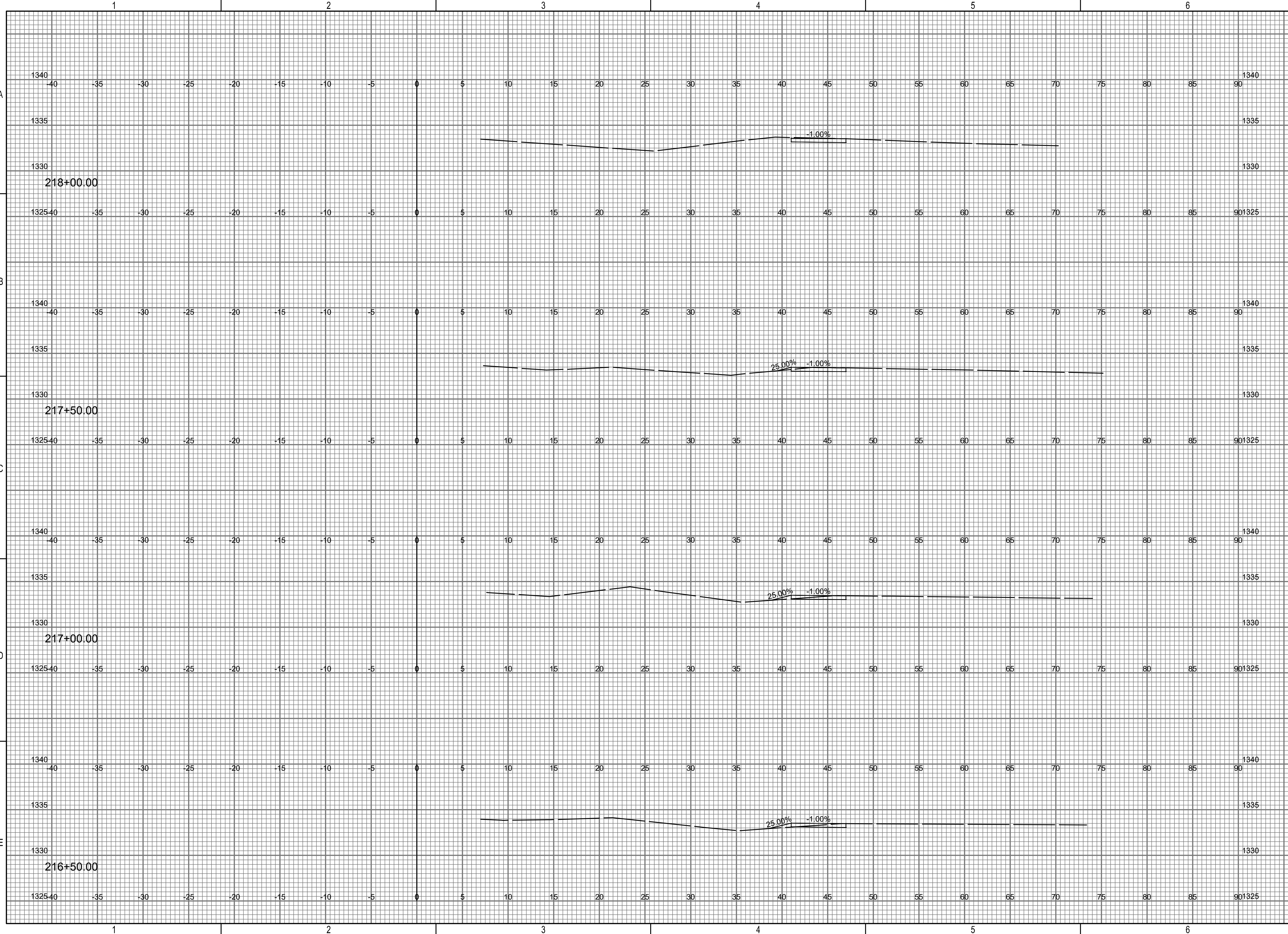
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CHECKED BY	RJS

37TH STREET N

CX608
 37 OF 41

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37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT

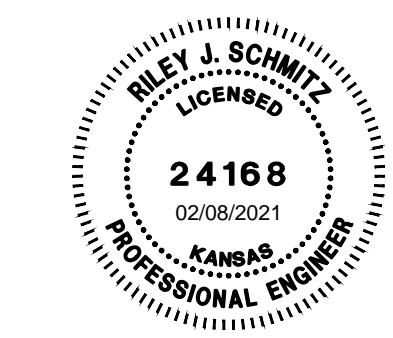
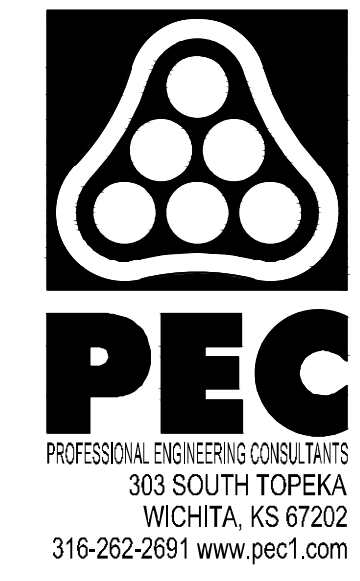
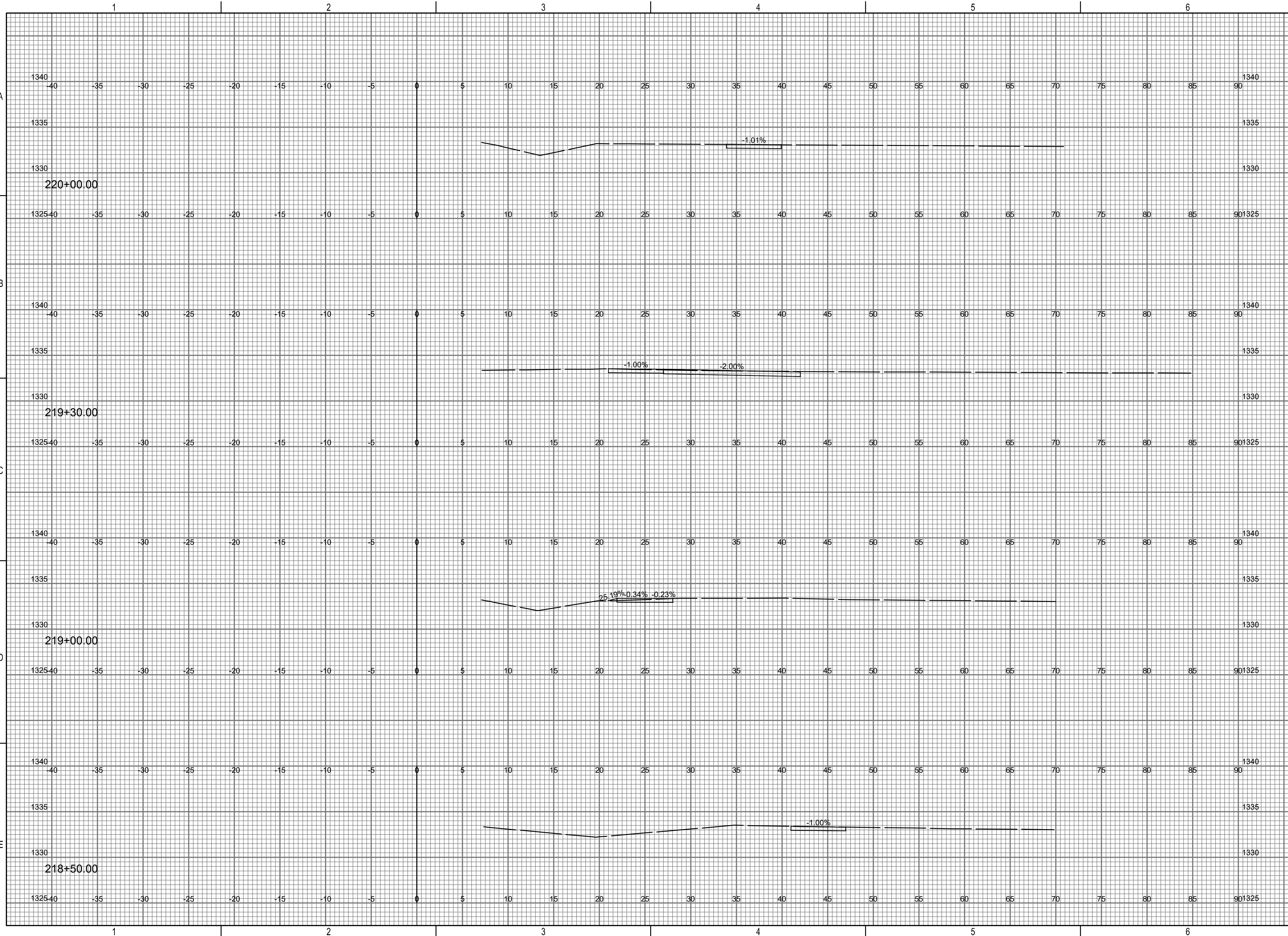
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37TH STREET N

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

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 CITY OF WICHITA PROJECT NO. 472-2020-086614
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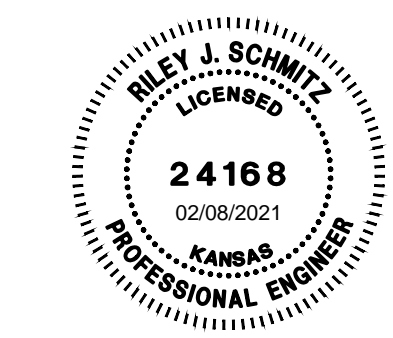
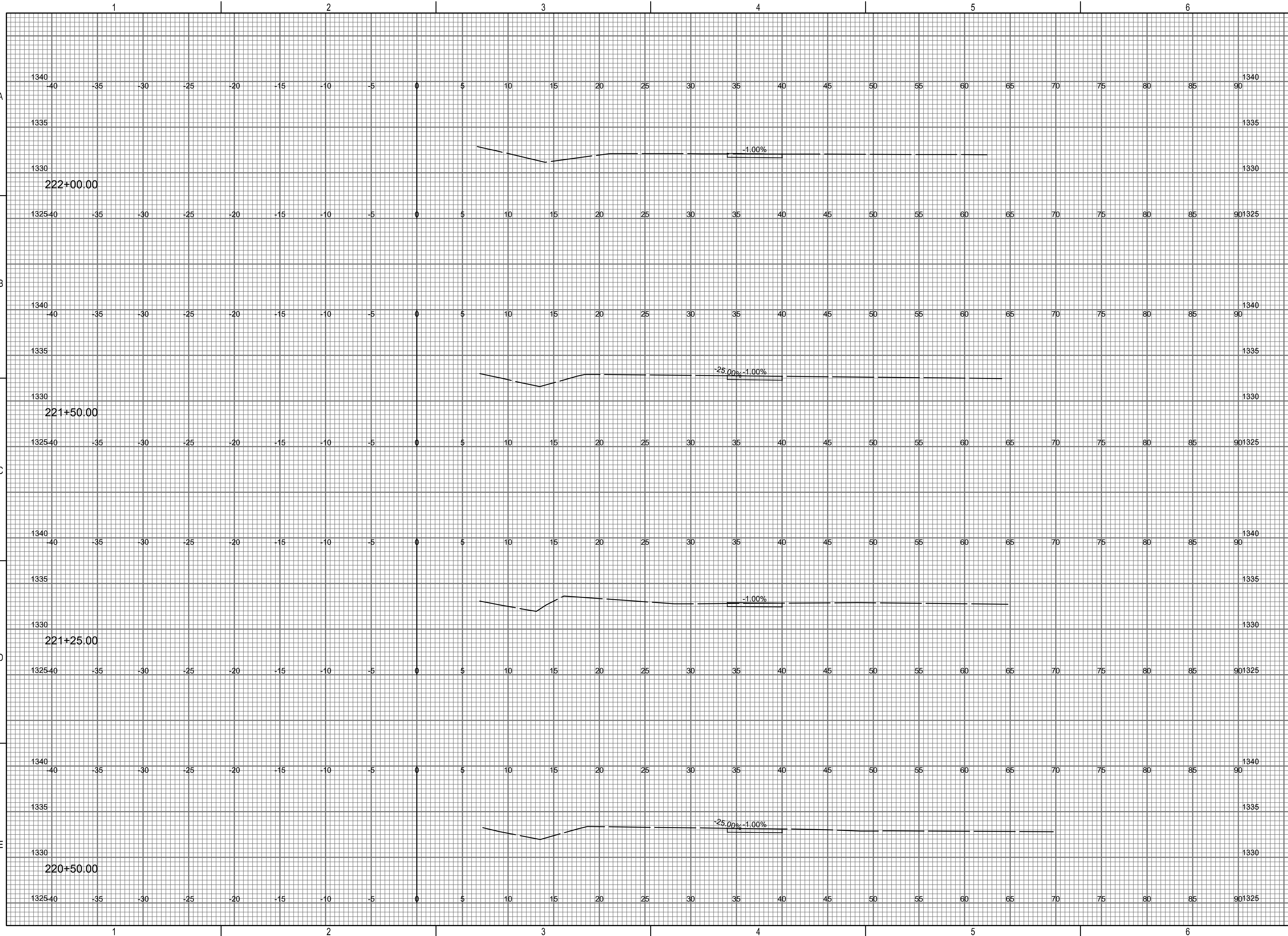
Issue:	

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37TH STREET N

CX610
 39 OF 41

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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

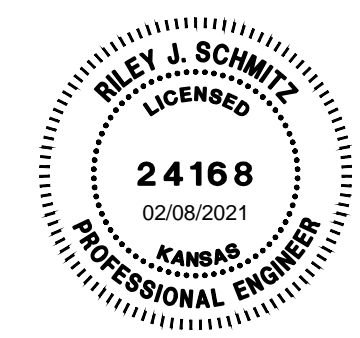
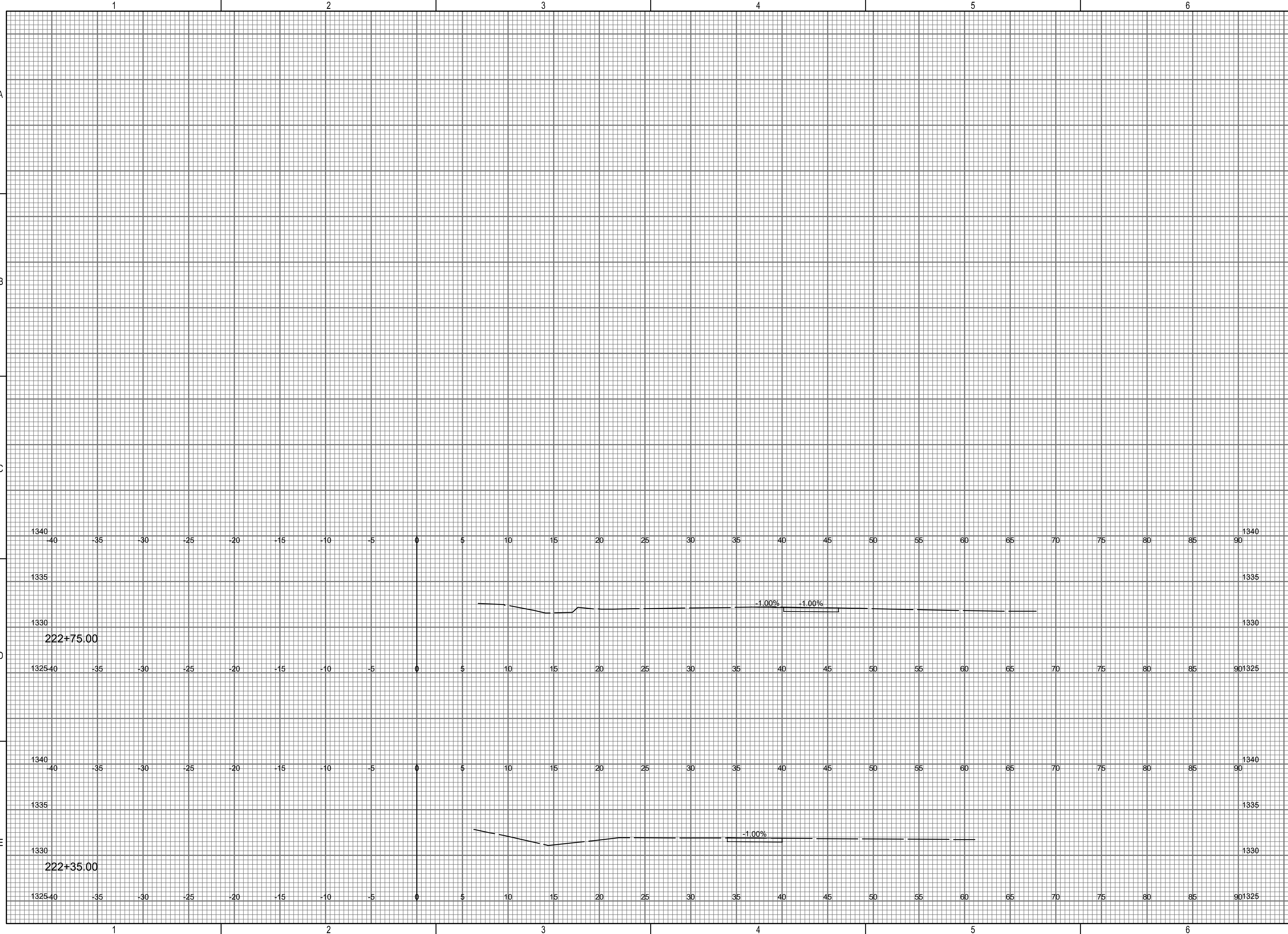
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37TH STREET N

CX611
 40 OF 41

SAVED 2/5/2021 9:04:24 AM BY BILL SEXSON
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**37TH ST N. SIDEWALK
 RIDGE TO RIDGEPORT**

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37TH STREET N

CX612
 41 OF 41