

CONSTRUCTION PLANS FOR PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS TO SERVE SWANEY FARM ADDITION-PHASE 2

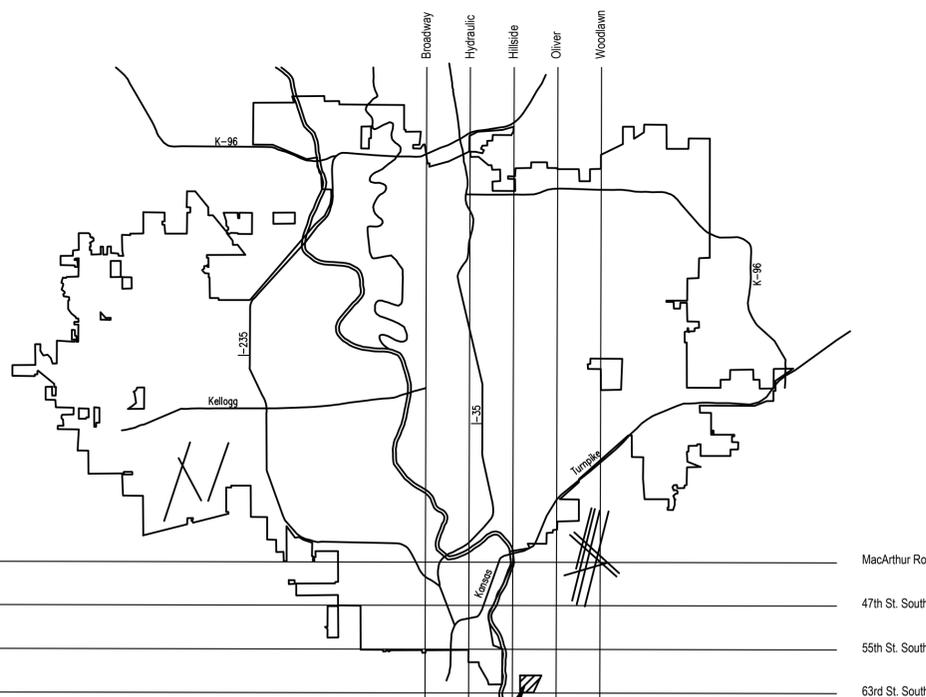
CITY OF WICHITA ENGINEERING PROJECT NO. 472-2024-086027
ORG CODE: 47479625, MUNIS NO.: E5131

CITY OF WICHITA, KS
PAUL GUNZELMAN, P.E. - CITY ENGINEER



Sheet List Table

SHEET	SHEET NUMBER	SHEET TITLE
1	CP001	TITLE SHEET
2	CP002	HORIZONTAL & VERTICAL CONTROL AND KEY MAP
3	CP003	GENERAL NOTES
4	CP004	TYPICAL SECTIONS
5	CP101	COORDINATE GEOMETRY PLAN
6	CP102	COORDINATE GEOMETRY TABLES
7	CP103	COORDINATE GEOMETRY CURVE PLAN
8	CP104	COORDINATE GEOMETRY CURVE TABLES
9	CP201	61ST STREET SOUTH-PLAN
10	CP202	61ST STREET SOUTH-PLAN
11	CP203	61ST STREET SOUTH-PLAN
12	CP204	BLUFF STREET-PLAN
13	CP205	BLUFF STREET-PLAN
14	CP206	BLUFF STREET NORTH-PLAN
15	CP207	WILLIS STREET-PLAN
16	CP208	WILLIS STREET-PLAN
17	CP209	WILLIS COURT-PLAN
18	CP301	CUL-DE-SAC & VALLEY GUTTER PLAN
19	CP302	VALLEY GUTTER PLANS
20	CP303	VALLEY GUTTER DETAILS
21	CP304	CURB AND GUTTER DETAILS
22	CP305	WHEELCHAIR RAMP DETAILS
23	CP306	SIGN DETAILS
24	CP401	PLAN AND PROFILE-SWS LINE 1
25	CP402	PLAN AND PROFILE-SWS LINE 1
26	CP403	PLAN AND PROFILE-SWS LINE 2
27	CP404	PLAN AND PROFILE-SWS LINES 2 AND 2A
28	CP405	PLAN AND PROFILE-SWS LINE 3
29	CP406	PLAN AND PROFILE-SWS LINE 3
30	CP407	PLAN AND PROFILE-SWS LINE 4
31	CP408	PLAN AND PROFILE-SWS LINE 4
32	CP409	PLAN AND PROFILE-SWS LINE 4
33	CP410	PLAN AND PROFILE-SWS LINE 4
34	CP411	PLAN AND PROFILE-SWS LINES 4A AND 4B
35	CP412	PLAN AND PROFILE-SWS LINE 5
36	CP413	PLAN AND PROFILE-SWS LINE 5
37	CP501	STD. TYPE 1A CURB INLET DETAILS
38	CP502	PRECAST CONCRETE MANHOLE DETAILS
39	CP503	GRATED DRIVEWAY INLET-SINGLE
40	CP504	BACKYARD INLET
41	CP505	PAVEMENT UNDERDRAIN DETAILS
42	CP506	BEDDING AND BACKFILL DETAILS
43	CP507	MANHOLE-INLET FRAME AND COVER DETAILS
44	CP508	RIPRAP DETAILS
45	CG101	BACK YARD DRAINAGE PLAN
46	CG102	EROSION CONTROL PLAN
47	CG501	BACK OF CURB AND CURB INLET PROTECTION
48	CG502	SILT FENCE DITCH CHECK
49	CG503	STRAW BALE DITCH CHECK
50	CG504	STREET IMPROVEMENT PROJECTS SUBDIVISION
51	CG505	DEVELOPMENT PROCESS
52-57	CX601-CX606	CROSS SECTIONS-61ST STREET
58-61	CX607-CX610	CROSS SECTIONS-BLUFF STREET
62	CX611	CROSS SECTIONS-BLUFF STREET N
63-67	CX612-CX616	CROSS SECTIONS-WILLIS STREET
68-69	CX617-CX618	CROSS SECTIONS-WILLIS COURT



LOCATION MAP
PROJECT LOCATION
SWANEY FARM ADDITION-PHASE 2

DEVELOPER CONTACT

MR. ERIC GILBERT
ARTISTIC BUILDERS
11100 FREMONT CIRCLE
MULVANE, KS 67110
316-650-7536
EMGILBERT13@GMAIL.COM

SUBDIVISION BENCH MARKS (SBM)				
NO.	STREET AND STATION	FROM CL	DESCRIPTION	ELEVATION
1	61ST ST. SOUTH, STA. 12+57.19	17.50' RT.	E. END, NORTHEAST CURB RETURN, 61ST STREET S.	
2	61ST ST. SOUTH, STA. 19+06.98	17.50' LT.	E. END, NORTHEAST CURB RETURN, 61ST STREET S.	
3	WILLIS ST., STA. 43+74.88	14.50' LT.	S. END, SOUTHEAST CURB RETURN, WILLIS ST.	
4	WILLIS ST., STA. 50+10.70	14.50' LT.	W. END, NORTHWEST CURB RETURN, WILLIS ST.	

THE COST OF THE BENCH MARK DISC, INCLUDING INSTALLATION, SHALL BE INCIDENTAL TO THE CURB.

NOVEMBER 2025

PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION
PHASE 2

PAUL GUNZELMAN CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

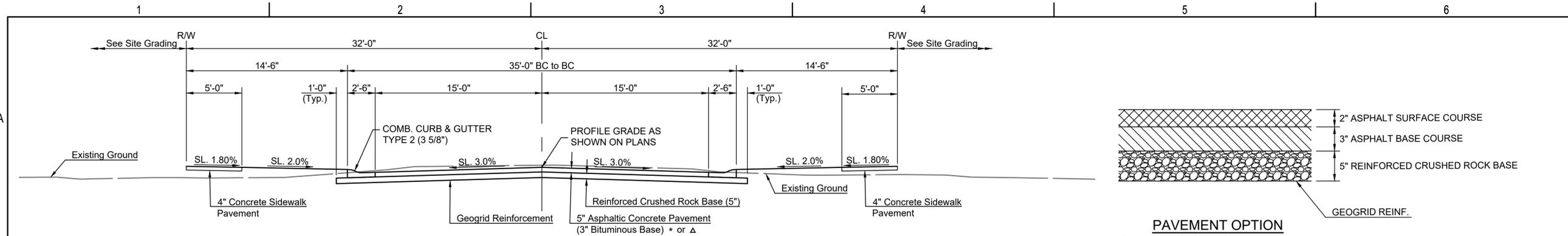
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

TITLE SHEET

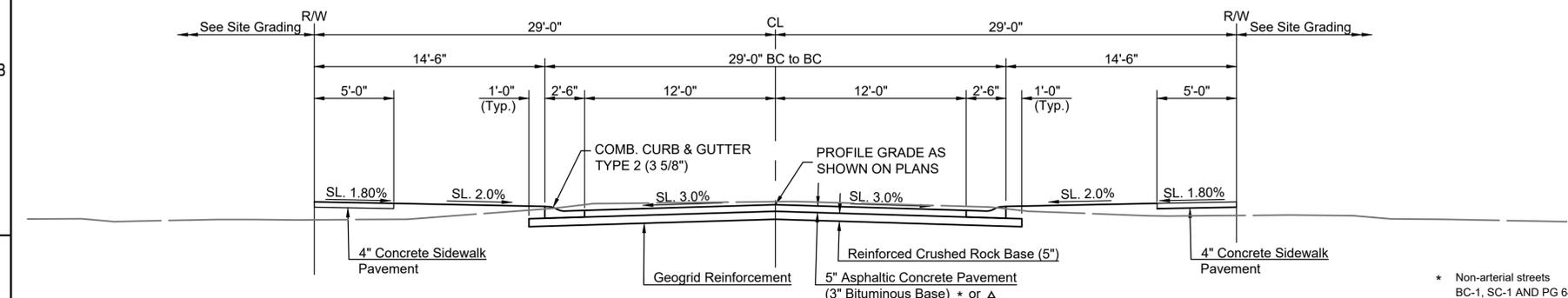
CP001
1 OF 69

SAVED 9/23/2025 2:24:49 PM BY KEVIN GRAHAM
PLOTTED 11/6/2025 12:28:41 PM BY KEVIN GRAHAM
U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\1-200605-009-CP001 TITLE SHEET.DWG

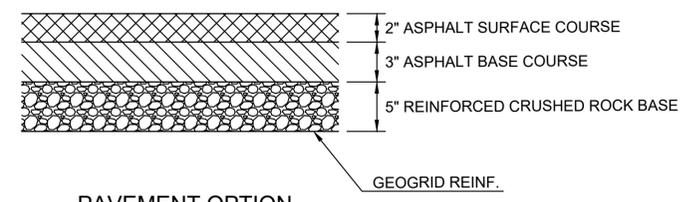
U:\WICHITA-CIVIL\2020\200605\09\2\PD4_PLANS\030\PAVING\4-200605-009-CP004 TYPICAL SECTIONS.DWG
 PLOTTED 11/16/2025 12:28:56 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2\PD4_PLANS\030\PAVING\4-200605-009-CP004 TYPICAL SECTIONS.DWG
 KEVIN GRAHAM
 9/17/2025 3:17:05 PM



TYPICAL SECTION
 61st St. South Sta. 10+10.00 to Sta. 20+15.22
 Bluff St. (N) Sta. 30+36.75 to Sta. 31+51.78



TYPICAL SECTION
 Bluff Street Sta. 20+00.00 to Sta. 27+06.00
 Willis Street Sta. 40+37.00 to Sta. 50+10.70
 Willis Court Sta. 50+39.11 to Sta. 51+93.89



PAVEMENT OPTION
 ASPHALTIC CONCRETE PAVEMENT

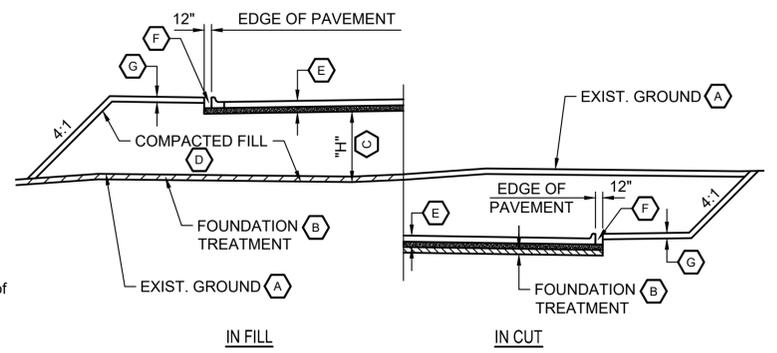
EARTHWORK SUMMARY (C.Y.)		
	Excavation	Compacted Fill (95%)
Street R/W	1,675 CY	1,675 CY

NO SHRINKAGE FACTOR HAS BEEN APPLIED.

THE QUANTITIES SHOWN FOR "EXCAVATION" ARE MEASURED FROM THE BOTTOM OF SUBGRADE LINE TO THE FINISHED SUBGRADE LINE (ROCK BASE THICKNESS). THIS MATERIAL IS INTENDED TO BE PLACED AS BACKFILL BETWEEN THE BACK OF CURB AND THE EDGE OF THE STREET RIGHT-OF-WAY.

ANY DOUBLE-HANDLING AND/OR STOCKPILING OF EXCAVATED MATERIAL WHICH MAY BE REQUIRED WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE SUBSIDIARY TO THE PROJECT.

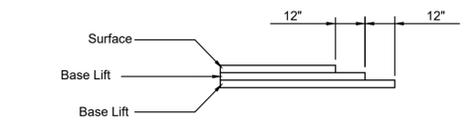
- * Non-arterial streets
BC-1, SC-1 AND PG 64-22
 - Δ Arterial streets
BM-2 PG 64-22(Base) PG 70-28(Surface)
- Base Course thicker than 4" shall be installed in two lifts



FOUNDATION TREATMENT & COMPACTION DIAGRAM

- (A) STRIP TOPSOIL.
- (B) SCARIFY AND COMPACT (6 INCHES) TO 95% ASTM D698.
- (C) "H" EQUALS FULL EMBANKMENT HEIGHT.
- (D) COMPACT TO 95% ASTM D698.
- (E) PAVEMENT SECTION, SEE TYPICAL SECTIONS THIS SHEET.
- (F) BACKFILL WITH SATISFACTORY SOIL. COMPACT TO 95% ASTM D698.
- (G) PLACE TOPSOIL.

FOUNDATION TREATMENT & COMPACTION SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM "EXCAVATION".



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavement at locations where pavement joins existing flexible base pavement as shown 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:
 Geogrid reinforcement and aggregate base to comply with Sec. 404 of the City of Wichita Standard Specifications for the Construction of Public Projects. Geogrid 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.

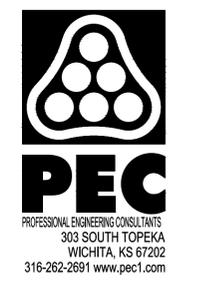
Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat will not be applied to rock base.

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.



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

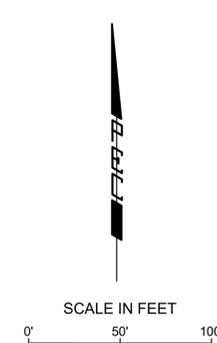
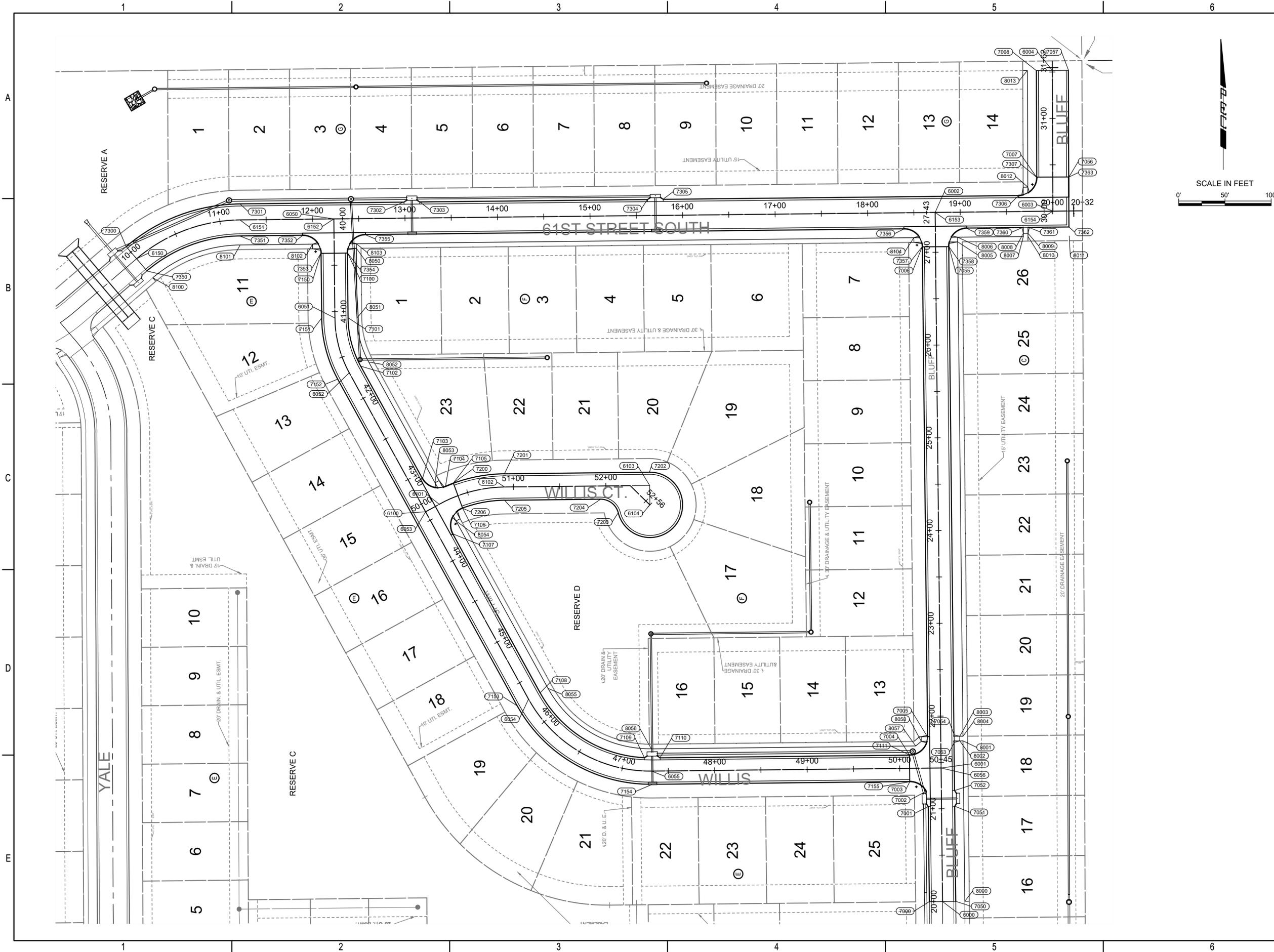
SWANEY FARM ADDITION PHASE 2

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

TYPICAL SECTIONS
CP004
 4 OF 69

SAVED 9/23/2025 10:21:57 AM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:29:02 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\5-200605-009-CP101 COORDINATE GEOMETRY PLAN.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

PAUL GUNZELMAN CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2024-086027

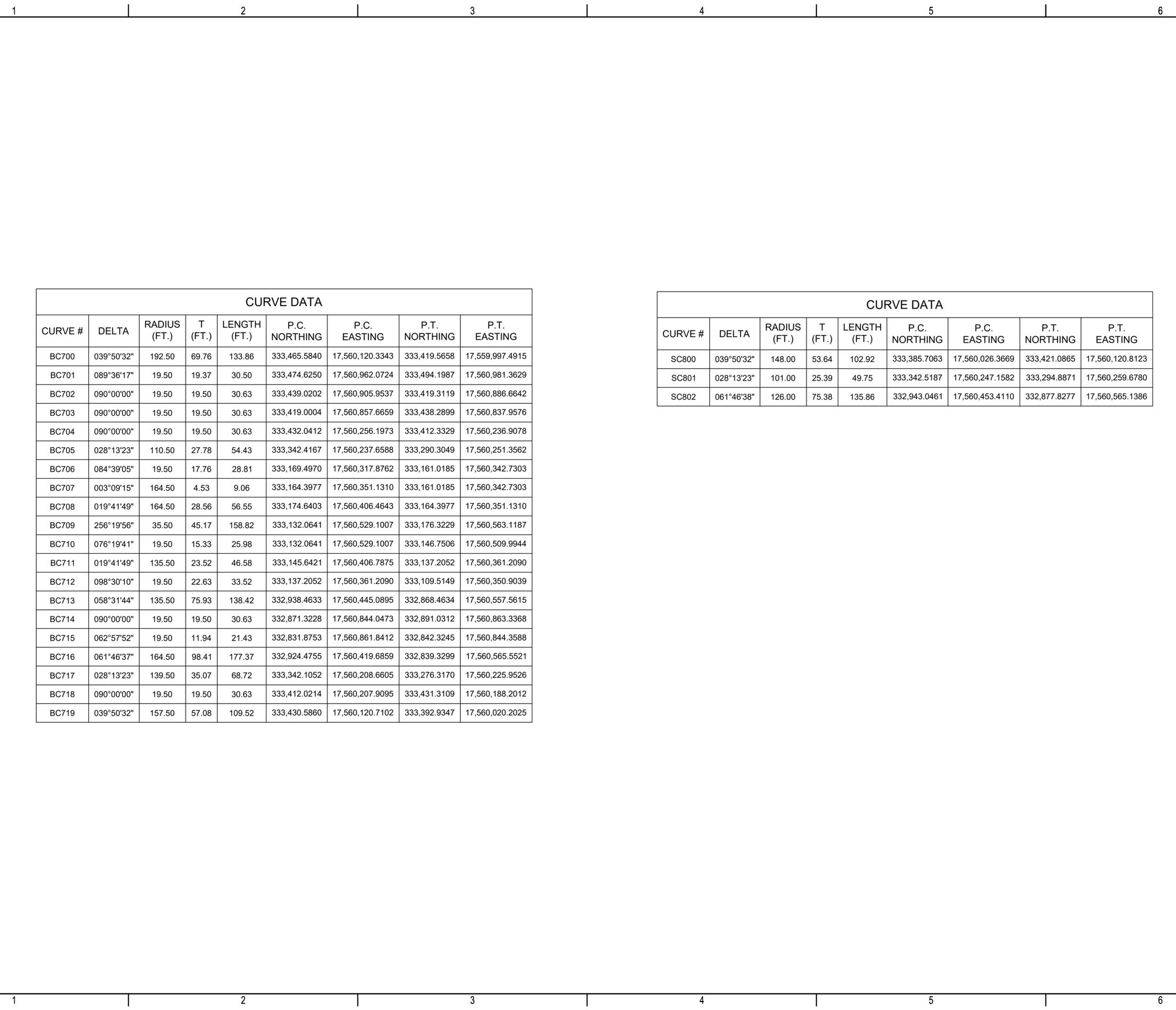
Issue:									

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

COORDINATE GEOMETRY PLAN

SAVED 4/25/2025 3:37:07 PM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:29:18 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\8-200605-009-CP 104 COORDINATE GEOMETRY CURVE
 TABLES.DWG

A
B
C
D
E



CURVE DATA								
CURVE #	DELTA	RADIUS (FT.)	T (FT.)	LENGTH (FT.)	P.C. NORTHING	P.C. EASTING	P.T. NORTHING	P.T. EASTING
BC700	039°50'32"	192.50	69.76	133.86	333,465.5840	17,560,120.3343	333,419.5658	17,559,997.4915
BC701	089°36'17"	19.50	19.37	30.50	333,474.6250	17,560,962.0724	333,494.1987	17,560,981.3629
BC702	090°00'00"	19.50	19.50	30.63	333,439.0202	17,560,905.9537	333,419.3119	17,560,886.6642
BC703	090°00'00"	19.50	19.50	30.63	333,419.0004	17,560,857.6659	333,438.2899	17,560,837.9576
BC704	090°00'00"	19.50	19.50	30.63	333,432.0412	17,560,256.1973	333,412.3329	17,560,236.9078
BC705	028°13'23"	110.50	27.78	54.43	333,342.4167	17,560,237.6588	333,290.3049	17,560,251.3562
BC706	084°39'05"	19.50	17.76	28.81	333,169.4970	17,560,317.8762	333,161.0185	17,560,342.7303
BC707	003°09'15"	164.50	4.53	9.06	333,164.3977	17,560,351.1310	333,161.0185	17,560,342.7303
BC708	019°41'49"	164.50	28.56	56.55	333,174.6403	17,560,406.4643	333,164.3977	17,560,351.1310
BC709	256°19'56"	35.50	45.17	158.82	333,132.0641	17,560,529.1007	333,176.3229	17,560,563.1187
BC710	076°19'41"	19.50	15.33	25.98	333,132.0641	17,560,529.1007	333,146.7506	17,560,509.9944
BC711	019°41'49"	135.50	23.52	46.58	333,145.6421	17,560,406.7875	333,137.2052	17,560,361.2090
BC712	098°30'10"	19.50	22.63	33.52	333,137.2052	17,560,361.2090	333,109.5149	17,560,350.9039
BC713	058°31'44"	135.50	75.93	138.42	332,938.4633	17,560,445.0895	332,868.4634	17,560,557.5615
BC714	090°00'00"	19.50	19.50	30.63	332,871.3228	17,560,844.0473	332,891.0312	17,560,863.3368
BC715	062°57'52"	19.50	11.94	21.43	332,831.8753	17,560,861.8412	332,842.3245	17,560,844.3588
BC716	061°46'37"	164.50	98.41	177.37	332,924.4755	17,560,419.6859	332,839.3299	17,560,565.5521
BC717	028°13'23"	139.50	35.07	68.72	333,342.1052	17,560,208.6605	333,276.3170	17,560,225.9526
BC718	090°00'00"	19.50	19.50	30.63	333,412.0214	17,560,207.9095	333,431.3109	17,560,188.2012
BC719	039°50'32"	157.50	57.08	109.52	333,430.5860	17,560,120.7102	333,392.9347	17,560,020.2025

CURVE DATA								
CURVE #	DELTA	RADIUS (FT.)	T (FT.)	LENGTH (FT.)	P.C. NORTHING	P.C. EASTING	P.T. NORTHING	P.T. EASTING
SC800	039°50'32"	148.00	53.64	102.92	333,385.7063	17,560,026.3669	333,421.0865	17,560,120.8123
SC801	028°13'23"	101.00	25.39	49.75	333,342.5187	17,560,247.1582	333,294.8871	17,560,259.6780
SC802	061°46'38"	126.00	75.38	135.86	332,943.0461	17,560,453.4110	332,877.8277	17,560,565.1386



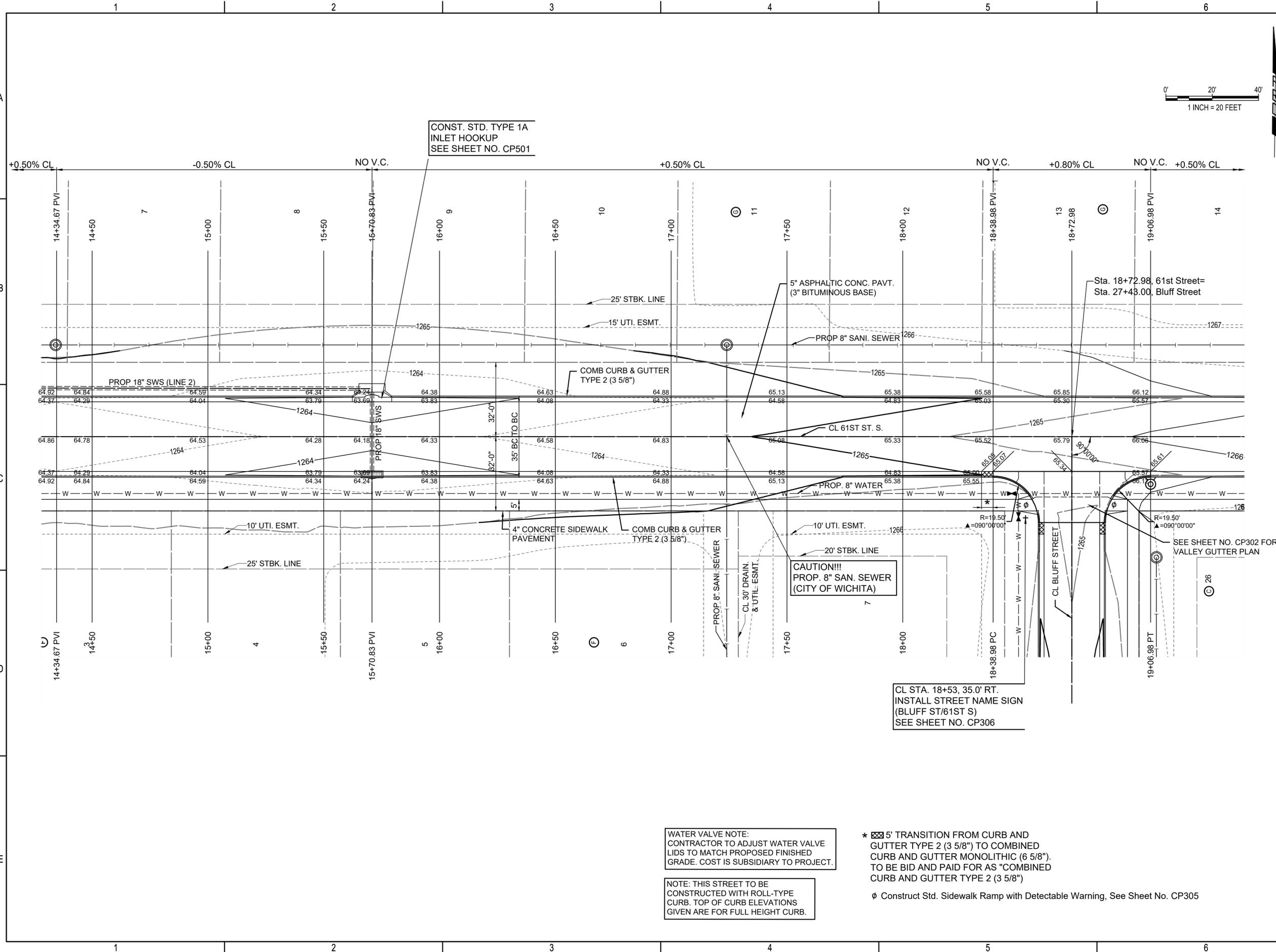
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

COORDINATE GEOMETRY CURVE TABLES

SAVED 9/23/2025 10:32:45 AM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:29:58 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\10-200605-009-CP202 61ST STREET SOUTH-PLAN.DWG



CONST. STD. TYPE 1A
 INLET HOOKUP
 SEE SHEET NO. CP501

CAUTION!!!
 PROP. 8" SAN. SEWER
 (CITY OF WICHITA)

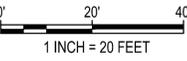
WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE
 LIDS TO MATCH PROPOSED FINISHED
 GRADE. COST IS SUBSIDIARY TO PROJECT.

NOTE: THIS STREET TO BE
 CONSTRUCTED WITH ROLL-TYPE
 CURB. TOP OF CURB ELEVATIONS
 GIVEN ARE FOR FULL HEIGHT CURB.

* 5' TRANSITION FROM CURB AND
 GUTTER TYPE 2 (3 5/8") TO COMBINED
 CURB AND GUTTER MONOLITHIC (6 5/8").
 TO BE BID AND PAID FOR AS "COMBINED
 CURB AND GUTTER TYPE 2 (3 5/8")

∅ Construct Std. Sidewalk Ramp with Detectable Warning, See Sheet No. CP305

CL STA. 18+53, 35.0' RT.
 INSTALL STREET NAME SIGN
 (BLUFF ST/61ST S)
 SEE SHEET NO. CP306



PAVING AND INCIDENTAL DRAINAGE
 IMPROVEMENTS

SWANEY FARM ADDITION
 PHASE 2

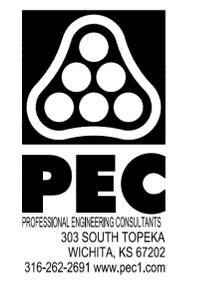
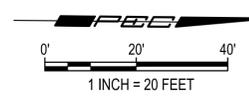
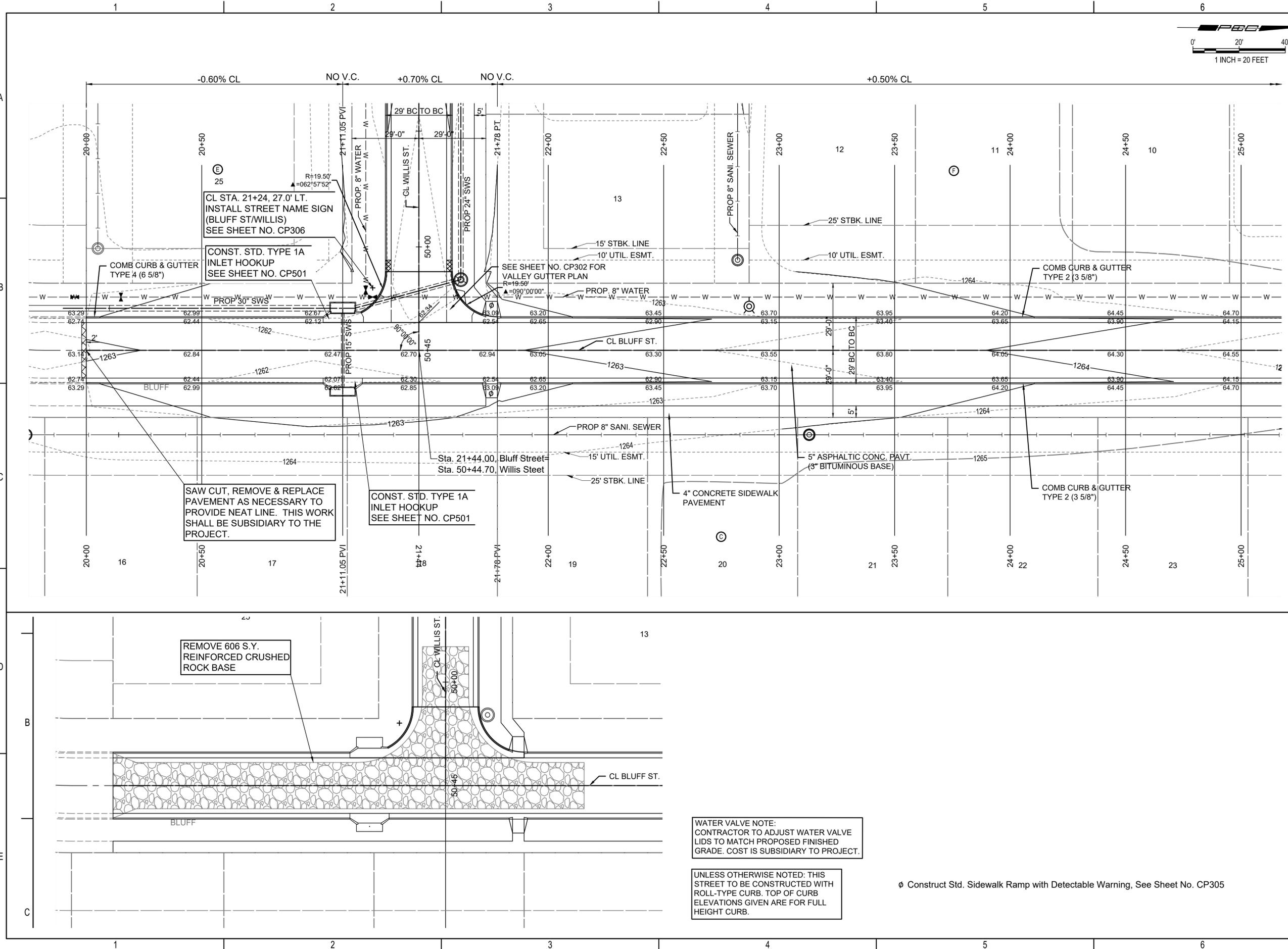
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

61ST STREET SOUTH-PLAN

SAVED 9/23/2025 12:18:06 PM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:30:38 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\12-200605-009-CP204 BLUFF STREET-PLAN.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

BLUFF STREET-PLAN
CP204
 12 OF 69

SAW CUT, REMOVE & REPLACE PAVEMENT AS NECESSARY TO PROVIDE NEAT LINE. THIS WORK SHALL BE SUBSIDIARY TO THE PROJECT.

CONST. STD. TYPE 1A INLET HOOKUP SEE SHEET NO. CP501

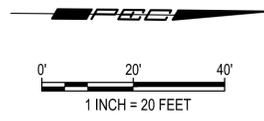
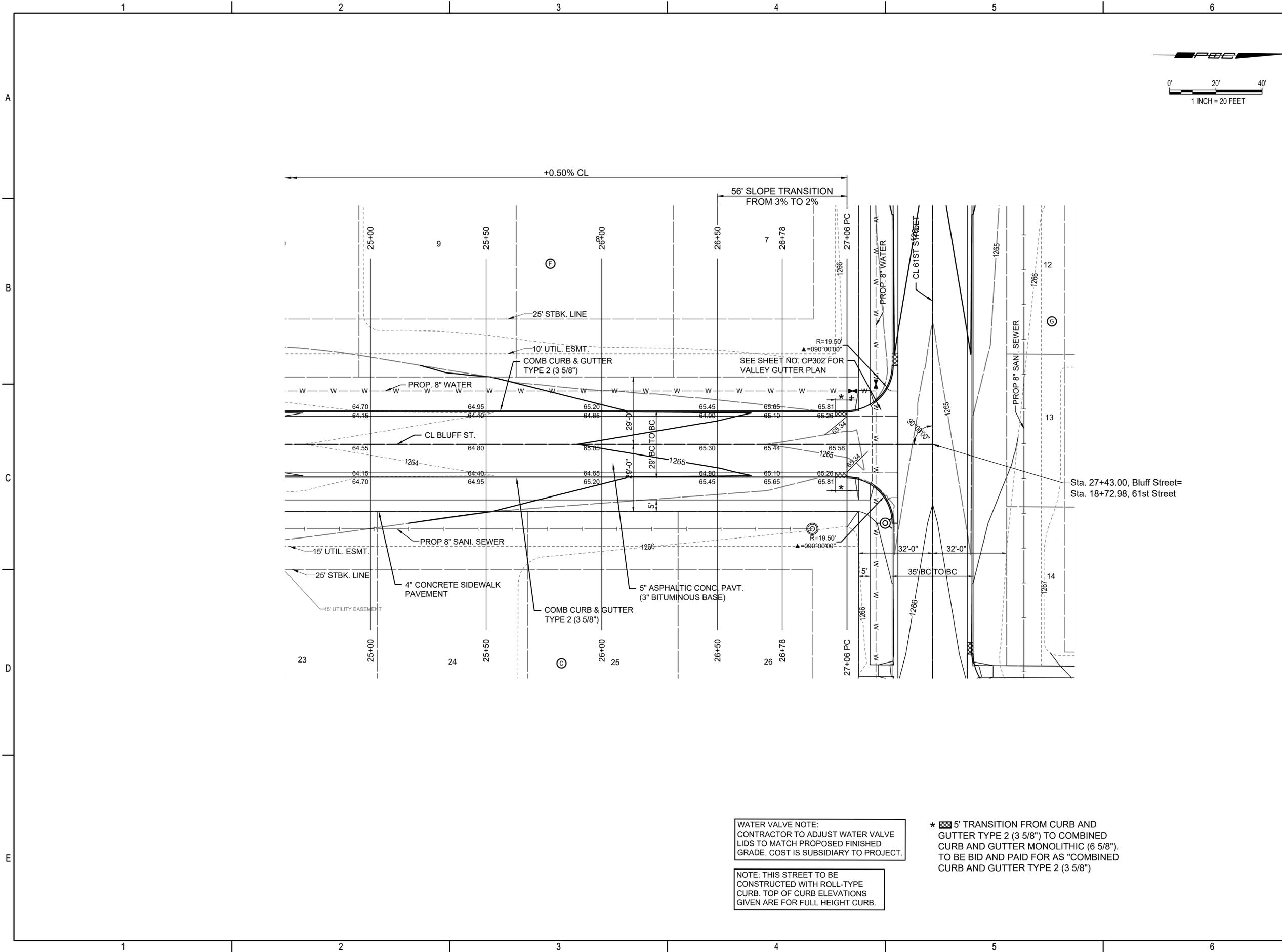
REMOVE 606 S.Y. REINFORCED CRUSHED ROCK BASE

WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE LIDS TO MATCH PROPOSED FINISHED GRADE. COST IS SUBSIDIARY TO PROJECT.

UNLESS OTHERWISE NOTED: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

∅ Construct Std. Sidewalk Ramp with Detectable Warning, See Sheet No. CP305

SAVED 9/23/2025 12:16:30 PM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:30:58 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605009\2PP4_PLANS\030\PAVING\13-200605-009-CP205 BLUFF STREET-PLAN.DWG



WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE LIDS TO MATCH PROPOSED FINISHED GRADE. COST IS SUBSIDIARY TO PROJECT.

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

* 5' TRANSITION FROM CURB AND GUTTER TYPE 2 (3 5/8") TO COMBINED CURB AND GUTTER MONOLITHIC (6 5/8"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER TYPE 2 (3 5/8")

Sta. 27+43.00, Bluff Street=
 Sta. 18+72.98, 61st Street



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

**SWANEY FARM ADDITION
 PHASE 2**

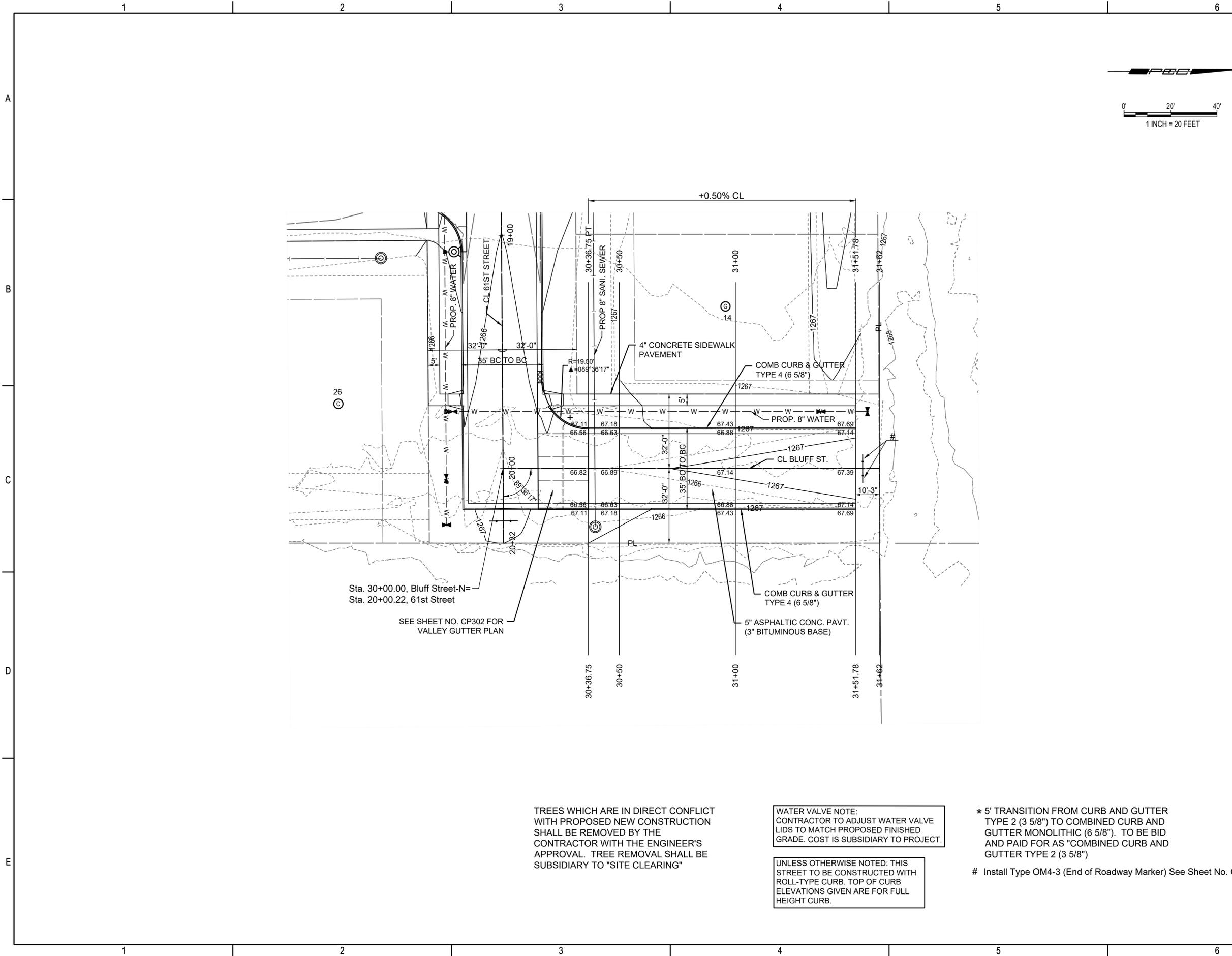
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

BLUFF STREET-PLAN

SAVED 9/23/2025 12:19:25 PM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:31:15 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605009\2PD4_PLANS\0301\PAVING\14-200605-009-CP206 BLUFF STREET NORTH-PLAN.DWG



Sta. 30+00.00, Bluff Street-N=
 Sta. 20+00.22, 61st Street
 SEE SHEET NO. CP302 FOR
 VALLEY GUTTER PLAN

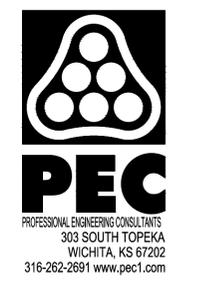
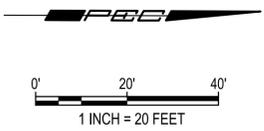
TREES WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREE REMOVAL SHALL BE SUBSIDIARY TO "SITE CLEARING"

WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE LIDS TO MATCH PROPOSED FINISHED GRADE. COST IS SUBSIDIARY TO PROJECT.

UNLESS OTHERWISE NOTED: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

* 5' TRANSITION FROM CURB AND GUTTER TYPE 2 (3 5/8") TO COMBINED CURB AND GUTTER MONOLITHIC (6 5/8"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER TYPE 2 (3 5/8")

Install Type OM4-3 (End of Roadway Marker) See Sheet No. CP306



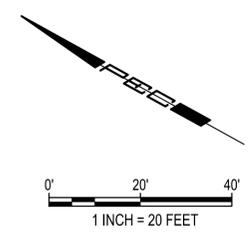
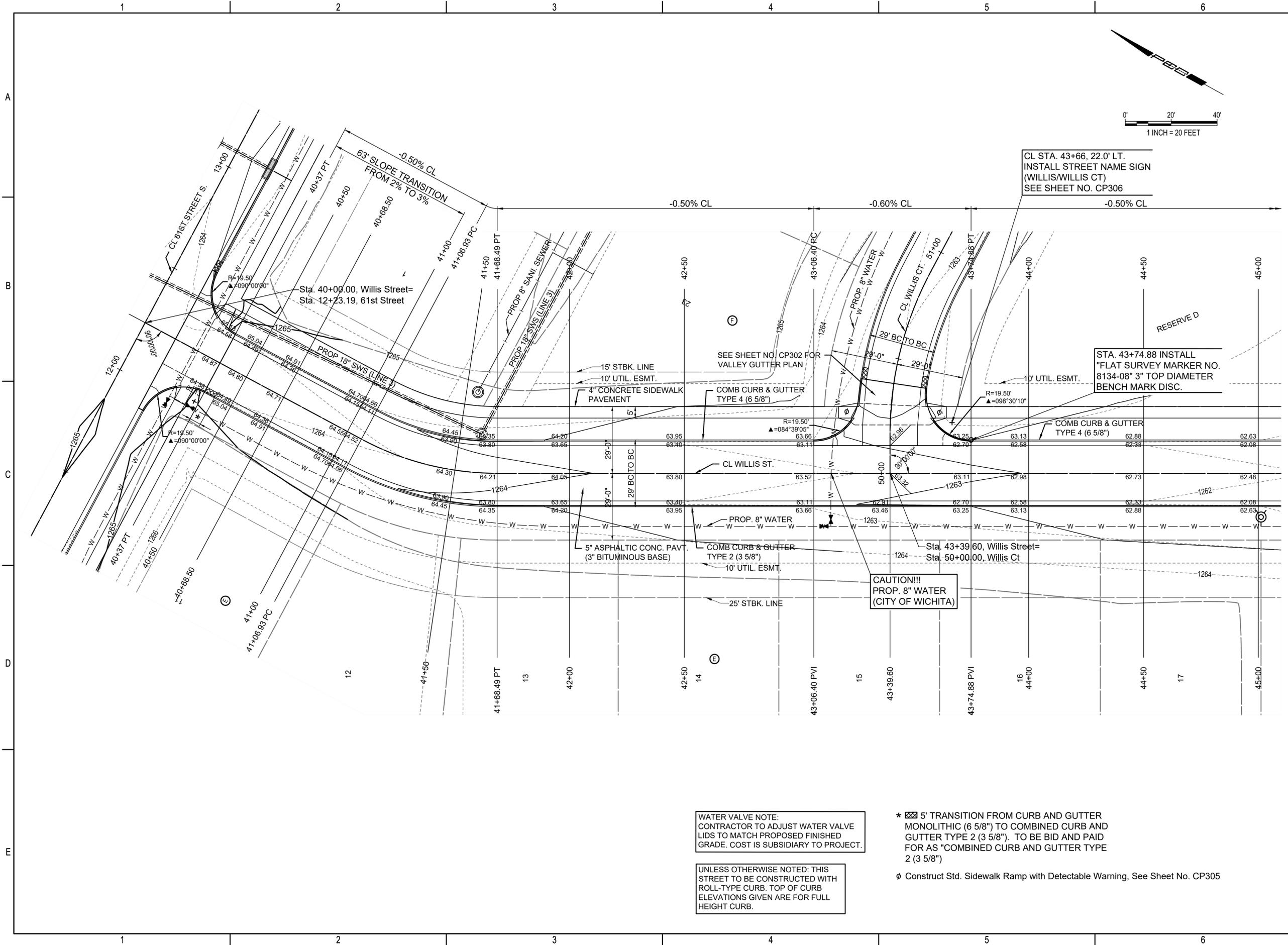
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

BLUFF STREET NORTH-PLAN

SAVED 9/23/2025 12:30:46 PM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:31:49 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\CP207 WILLIS STREET-PLAN.DWG



CL STA. 43+66, 22.0' LT.
 INSTALL STREET NAME SIGN
 (WILLIS/WILLIS CT)
 SEE SHEET NO. CP306

STA. 43+74.88 INSTALL
 "FLAT SURVEY MARKER NO.
 8134-08" 3" TOP DIAMETER
 BENCH MARK DISC.

CAUTION!!!
 PROP. 8" WATER
 (CITY OF WICHITA)

WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE
 LIDS TO MATCH PROPOSED FINISHED
 GRADE. COST IS SUBSIDIARY TO PROJECT.

UNLESS OTHERWISE NOTED: THIS
 STREET TO BE CONSTRUCTED WITH
 ROLL-TYPE CURB. TOP OF CURB
 ELEVATIONS GIVEN ARE FOR FULL
 HEIGHT CURB.

*
 MONOLITHIC (6 5/8") TO COMBINED CURB AND
 GUTTER TYPE 2 (3 5/8"). TO BE BID AND PAID
 FOR AS "COMBINED CURB AND GUTTER TYPE
 2 (3 5/8")

∅ Construct Std. Sidewalk Ramp with Detectable Warning, See Sheet No. CP305



PAVING AND INCIDENTAL DRAINAGE
 IMPROVEMENTS

SWANEY FARM ADDITION
 PHASE 2

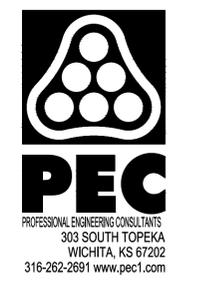
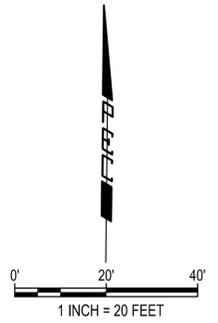
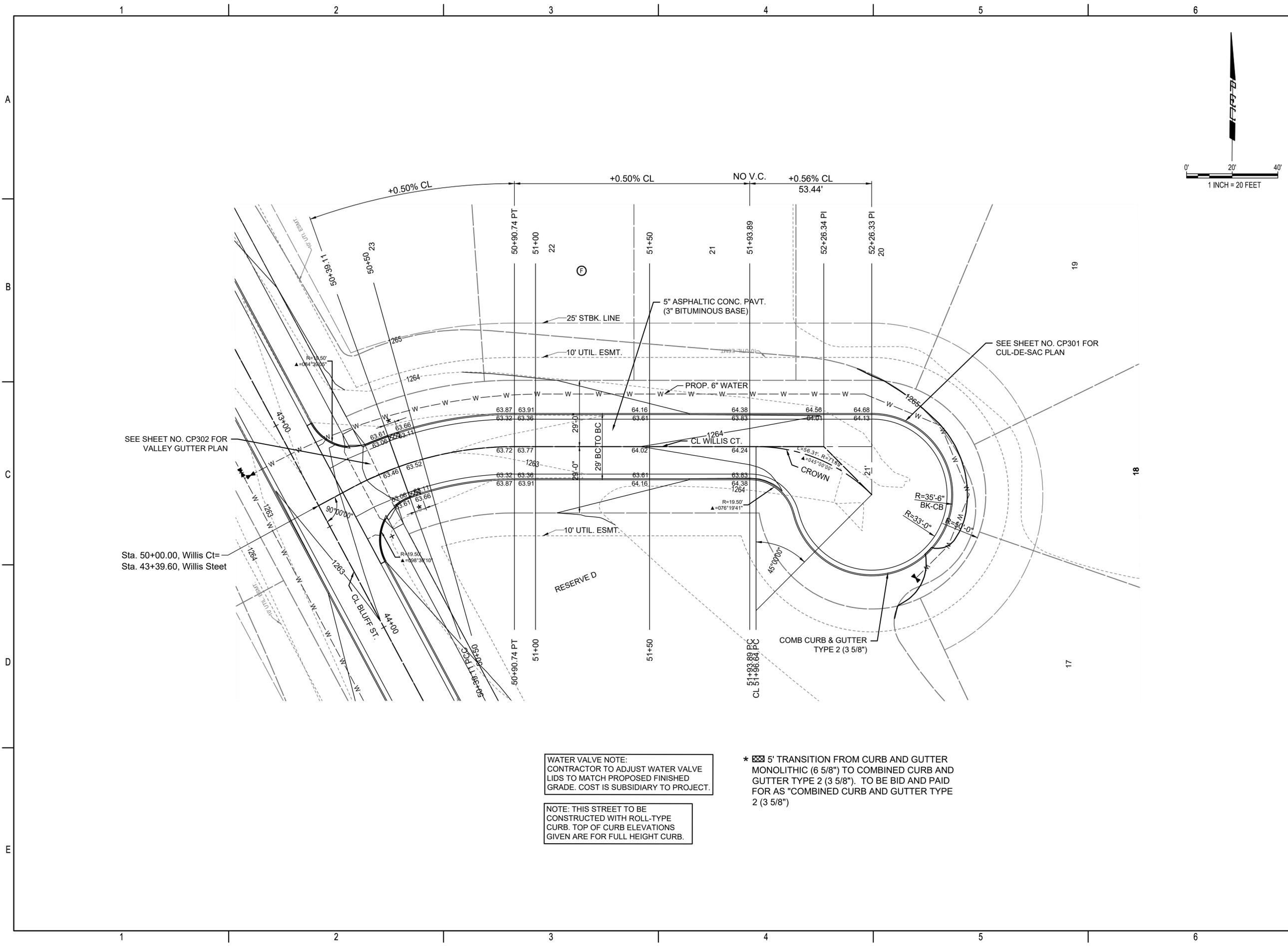
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:					

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

WILLIS STREET-PLAN

SAVED 9/23/2025 12:32:36 PM BY KEVIN.GRAHAM
 PLOTTED 11/6/2025 12:32:28 PM BY KEVIN.GRAHAM
 U:\WICHITA-CIVIL\2020\200605009\2PD4_PLANS\030\PAVING\17-200605-009-CP209 WILLIS COURT-PLAN.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

WILLIS COURT-PLAN

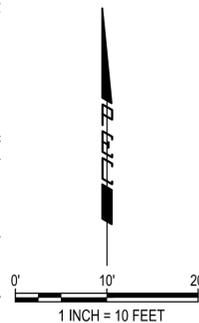
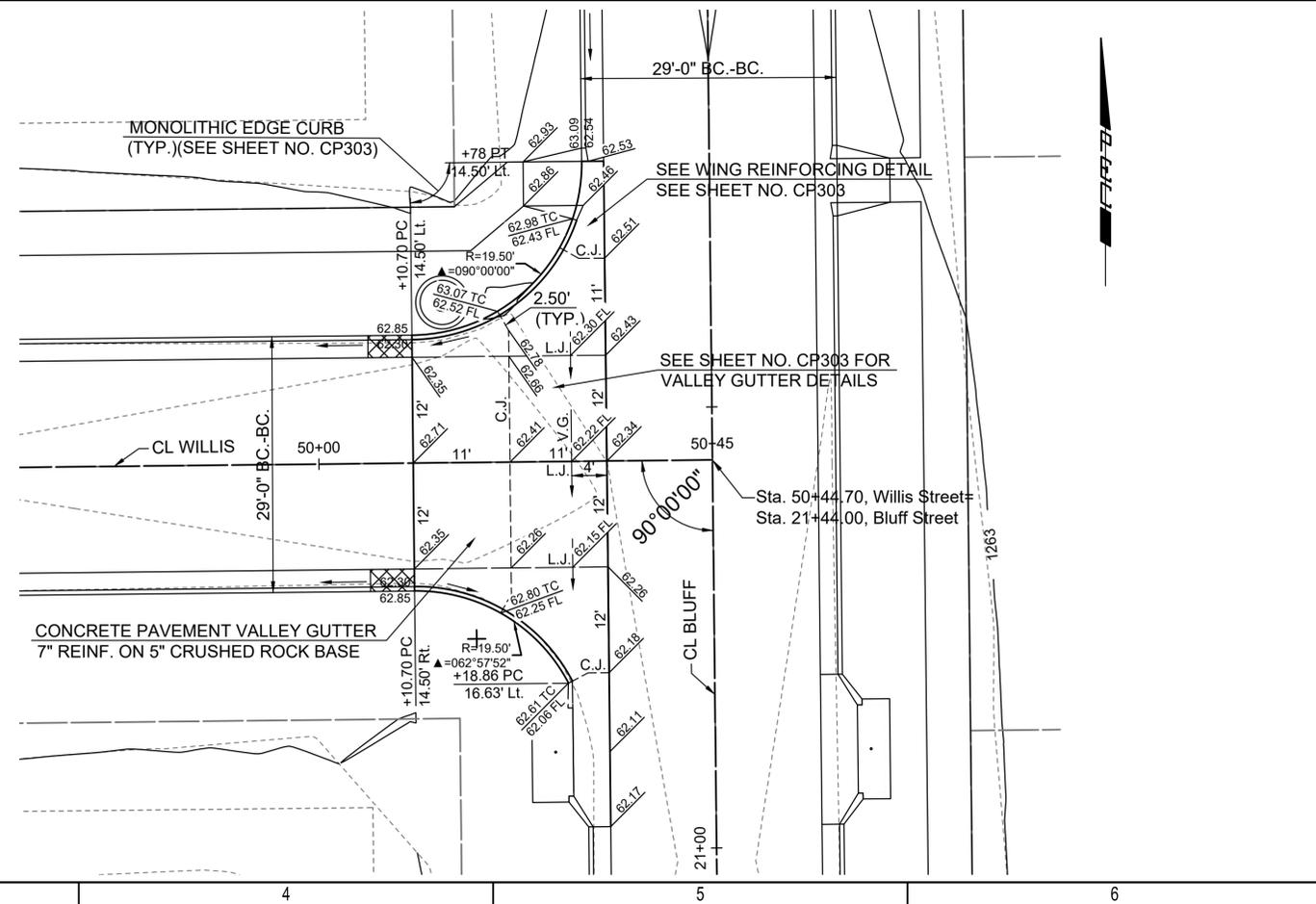
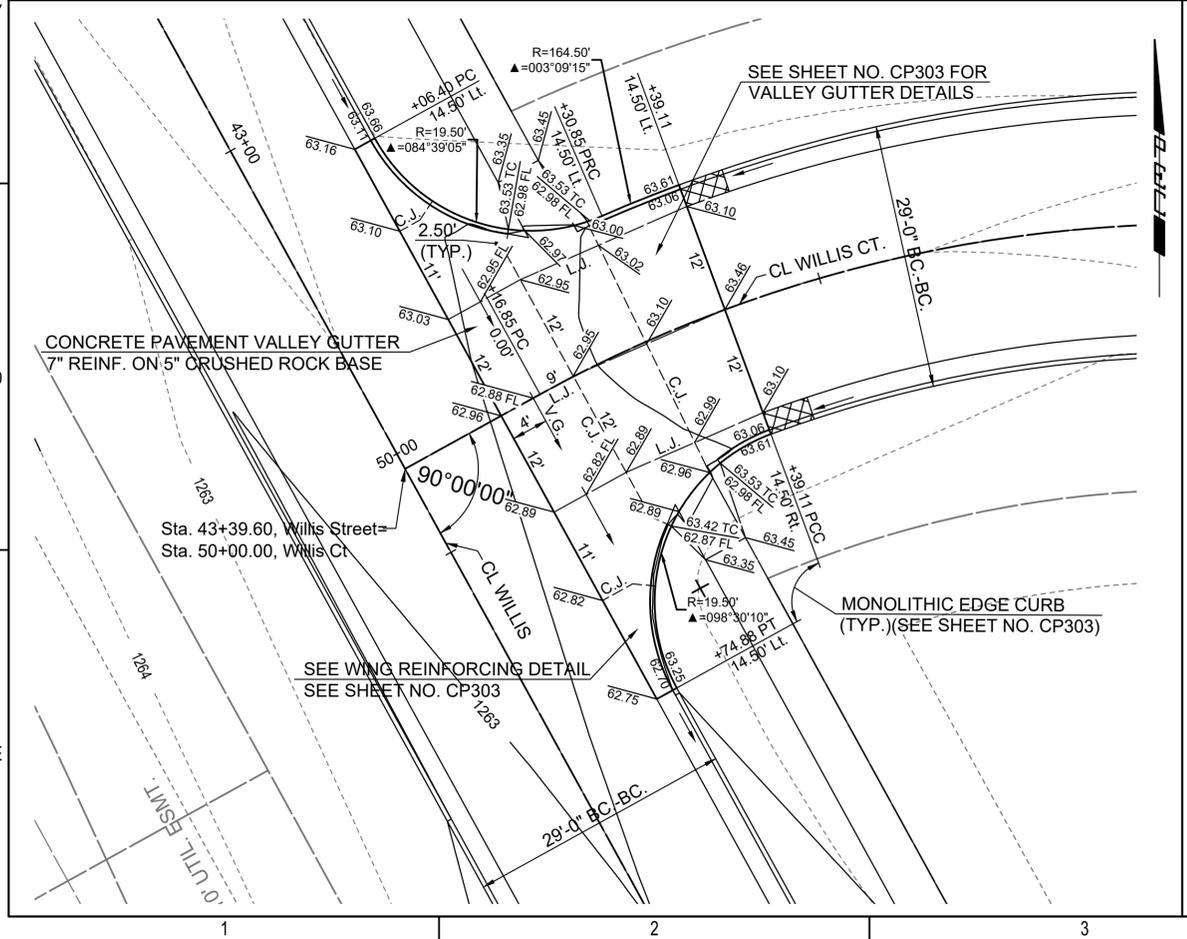
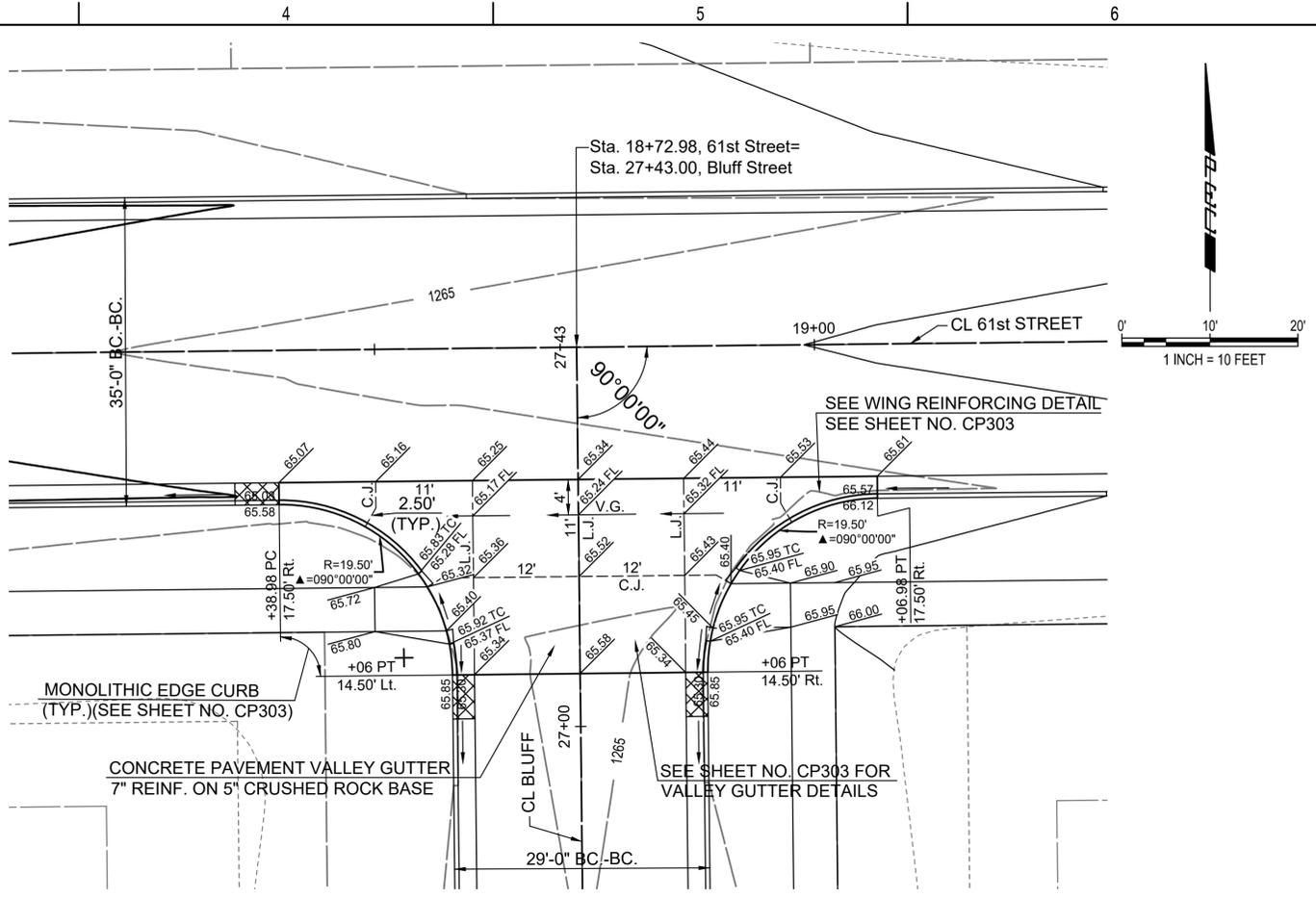
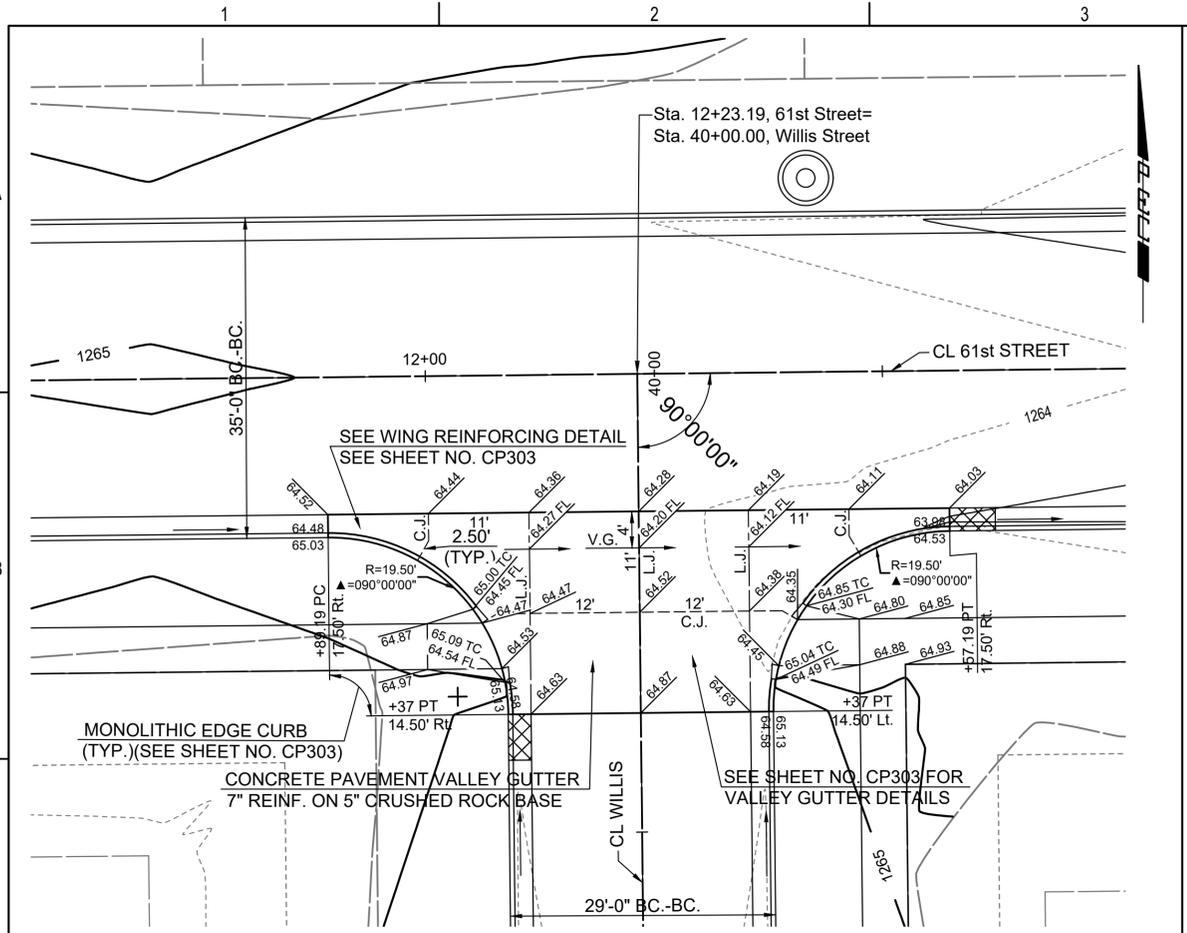
CP209
 17 OF 69

WATER VALVE NOTE:
 CONTRACTOR TO ADJUST WATER VALVE LIDS TO MATCH PROPOSED FINISHED GRADE. COST IS SUBSIDIARY TO PROJECT.

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

* 5' TRANSITION FROM CURB AND GUTTER MONOLITHIC (6 5/8") TO COMBINED CURB AND GUTTER TYPE 2 (3 5/8"). TO BE BID AND PAID FOR AS "COMBINED CURB AND GUTTER TYPE 2 (3 5/8")

SAVED 6/24/2025 9:13:47 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:33:53 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2\PD4_PLANS\0301 VALLEY GUTTER PLANS.DWG



PAYING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

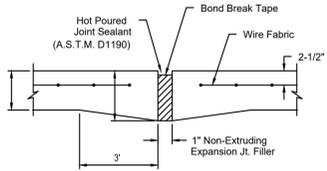
Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

VALLEY GUTTER PLANS

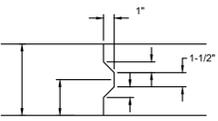
1 2 3 4 5 6

A
B
C
D
E

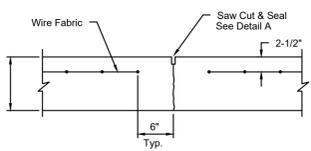


EXPANSION JOINT

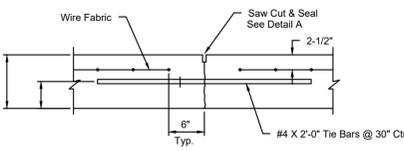
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



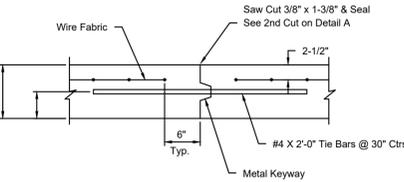
KEYWAY DETAIL



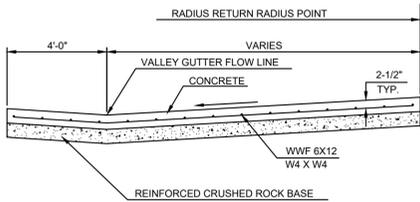
CONTRACTION JOINT DETAIL (C.J.)



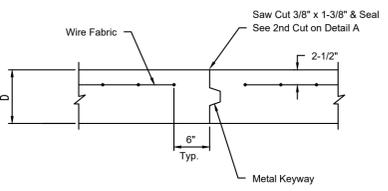
LONGITUDINAL JOINT DETAIL (L.J.)



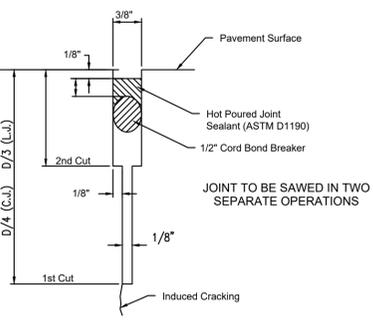
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)



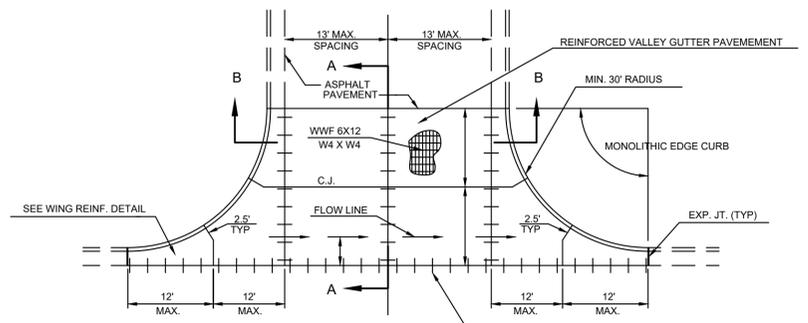
SECTION A-A



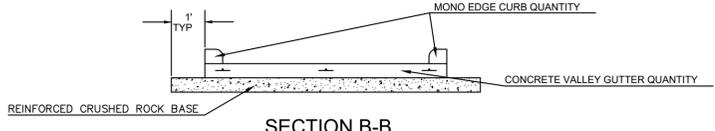
OPTIONAL CONTRACTION JOINT



SAW JOINT DETAIL (DETAIL A)

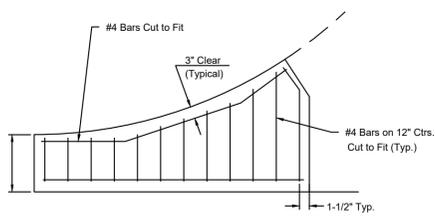


PLAN



SECTION B-B

REINFORCED VALLEY GUTTER DETAIL



WING REINFORCING DETAIL

Saved 06/24/2025 9:44:51 AM by BILL SEXTON
 PLOTTED 11/16/2025 12:33:57 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PPD4_PLANS\030\PAVING\20-200605-009-CP303 VALLEY GUTTER DETAILS.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

**SWANEY FARM ADDITION
 PHASE 2**

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

REVISION MAY 2017 SECTION B-B, ROCK EXTENDED ONE FOOT BEYOND PAVEMENT	
CITY OF WICHITA	
VALLEY GUTTER DETAILS	
CITY ENGINEER GARY JANZEN, P.E.	
PROJECT NUMBER 472-2024-086027	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501	SHEET 20 of 69

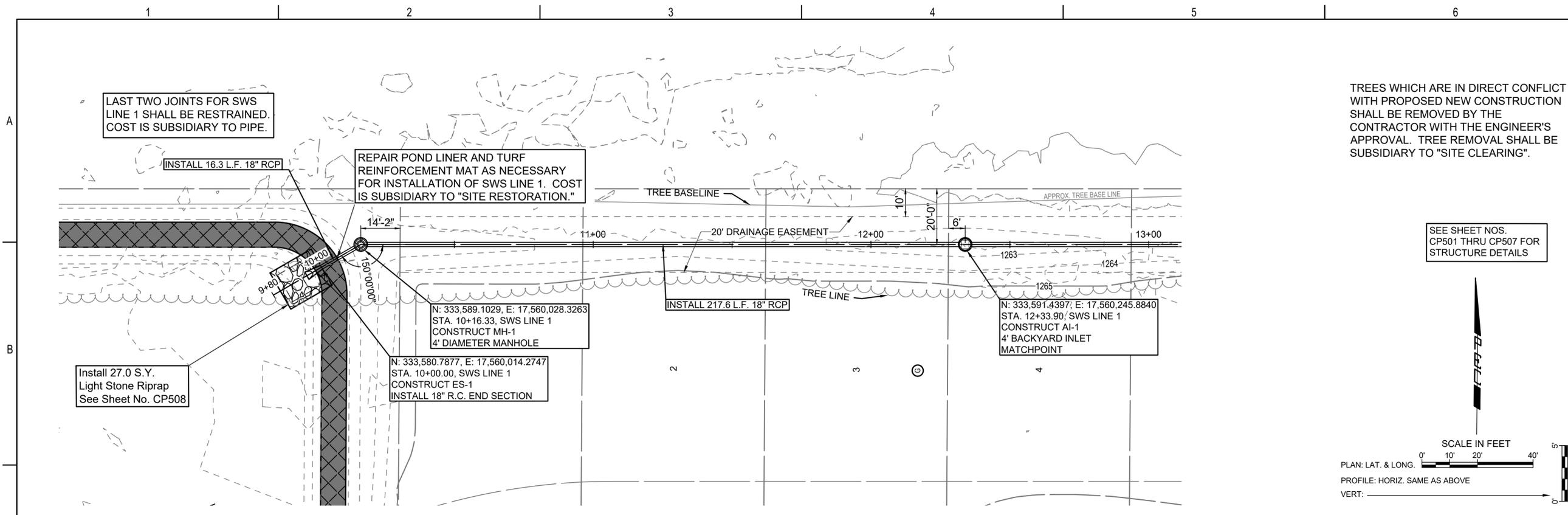
PV-109

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

VALLEY GUTTER DETAILS

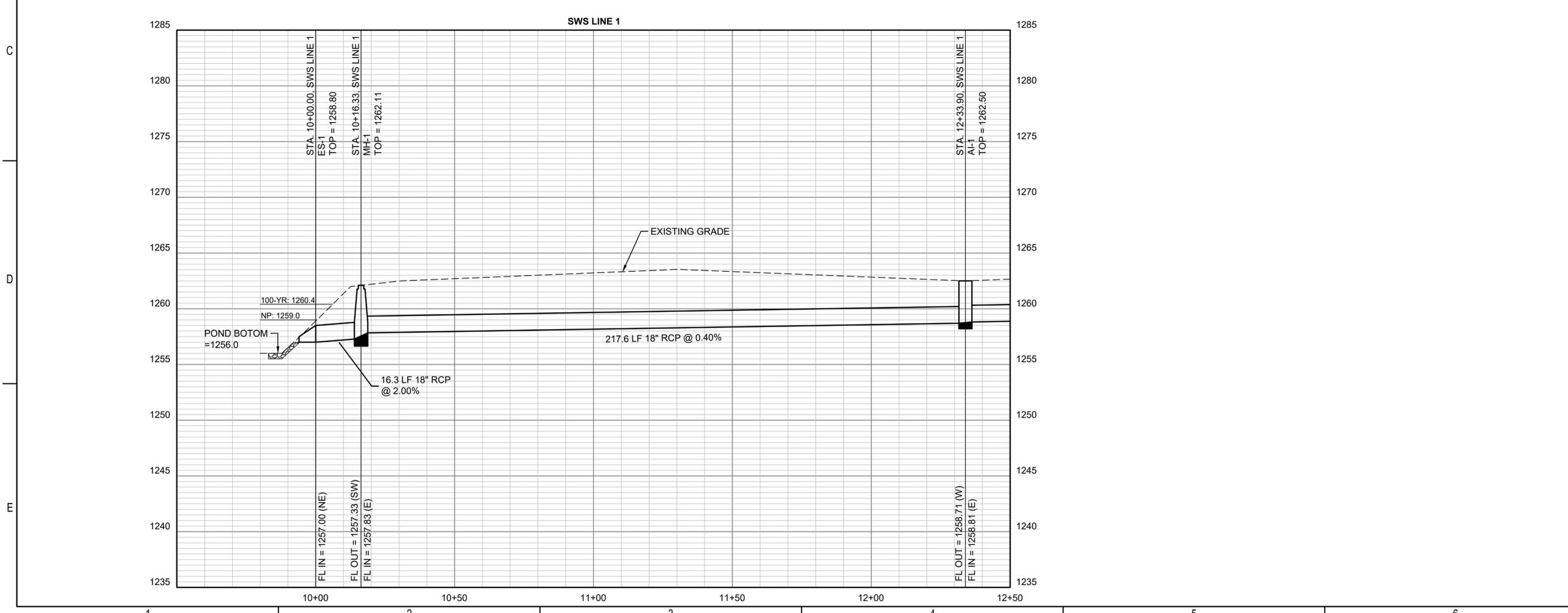
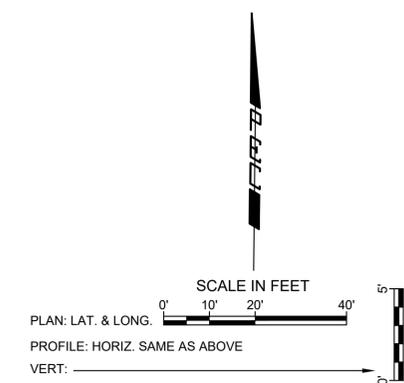
CP303
20 OF 69

1 2 3 4 5 6



TREES WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREE REMOVAL SHALL BE SUBSIDIARY TO "SITE CLEARING".

SEE SHEET NOS. CP501 THRU CP507 FOR STRUCTURE DETAILS



SAVED 9/18/2025 9:28:03 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 1:17:08 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\24-200605-009-CP401 PLAN AND PROFILE-SWS LINE 1.DWG



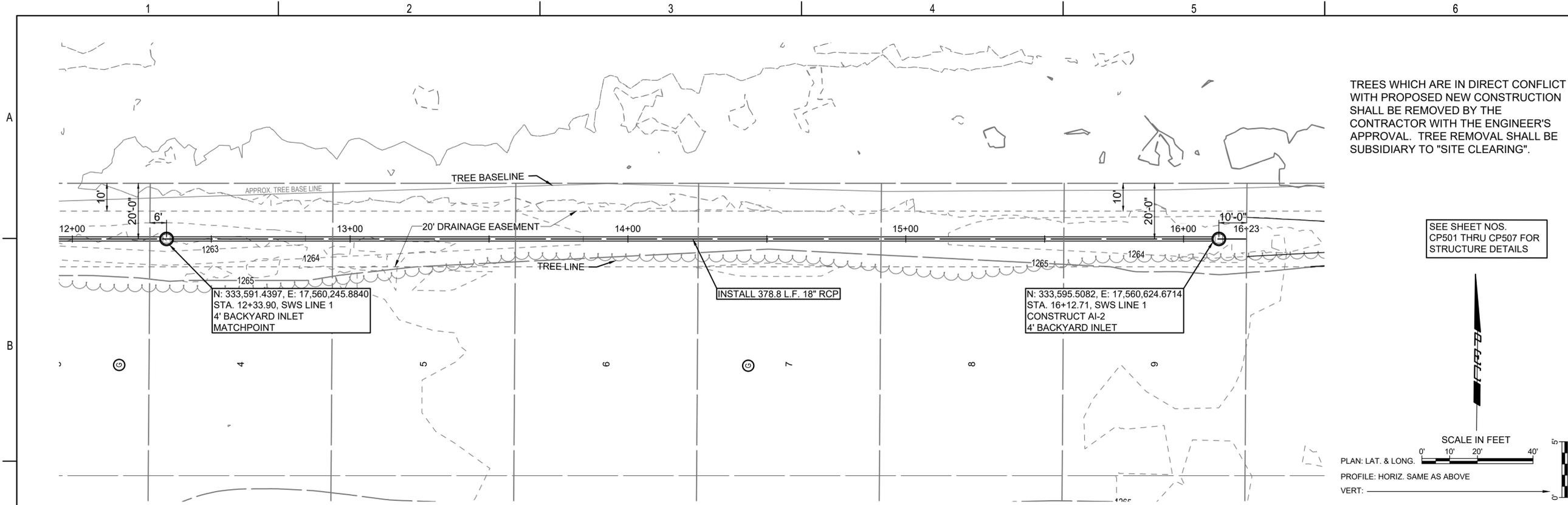
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

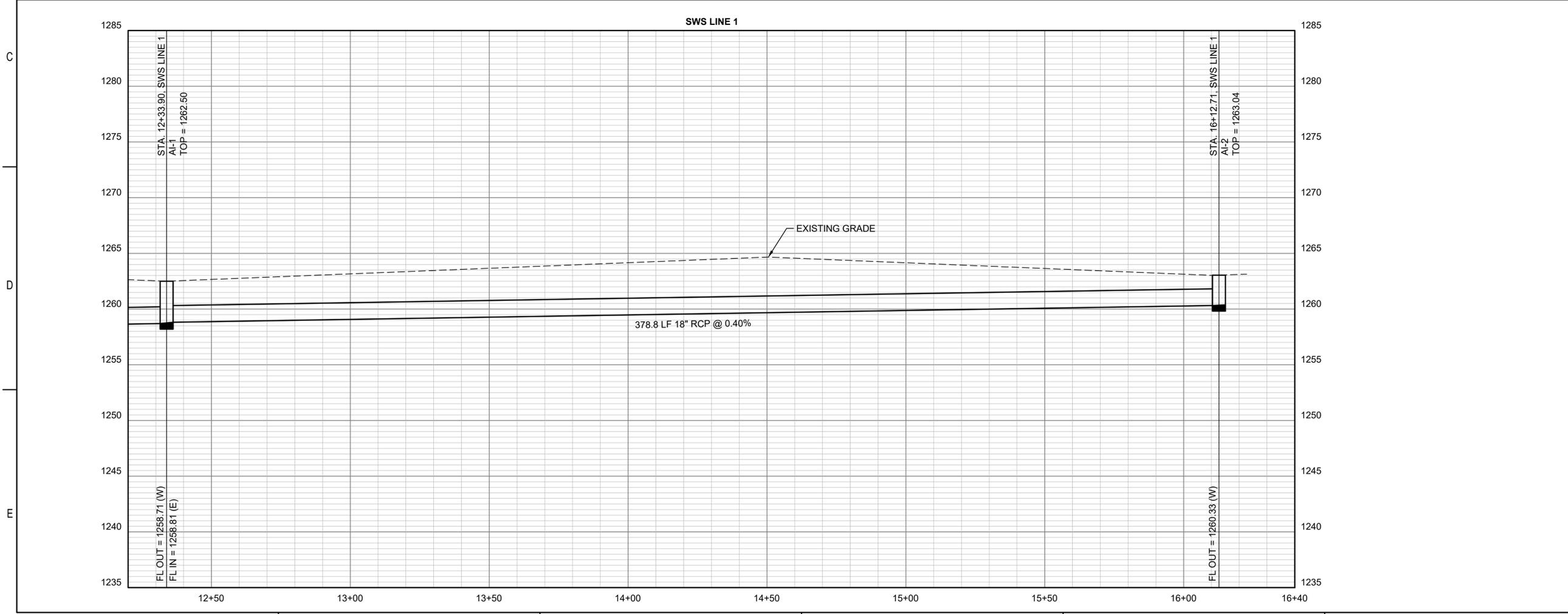
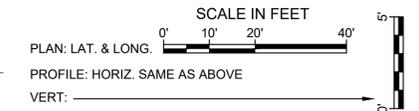
PLAN AND PROFILE-SWS LINE 1
CP401
 24 OF 69

SAVED 9/18/2025 9:28:46 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:35:31 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\25-200605-009-CP402 PLAN AND PROFILE-SWS LINE 1.DWG



TREES WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREE REMOVAL SHALL BE SUBSIDIARY TO "SITE CLEARING".

SEE SHEET NOS. CP501 THRU CP507 FOR STRUCTURE DETAILS



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

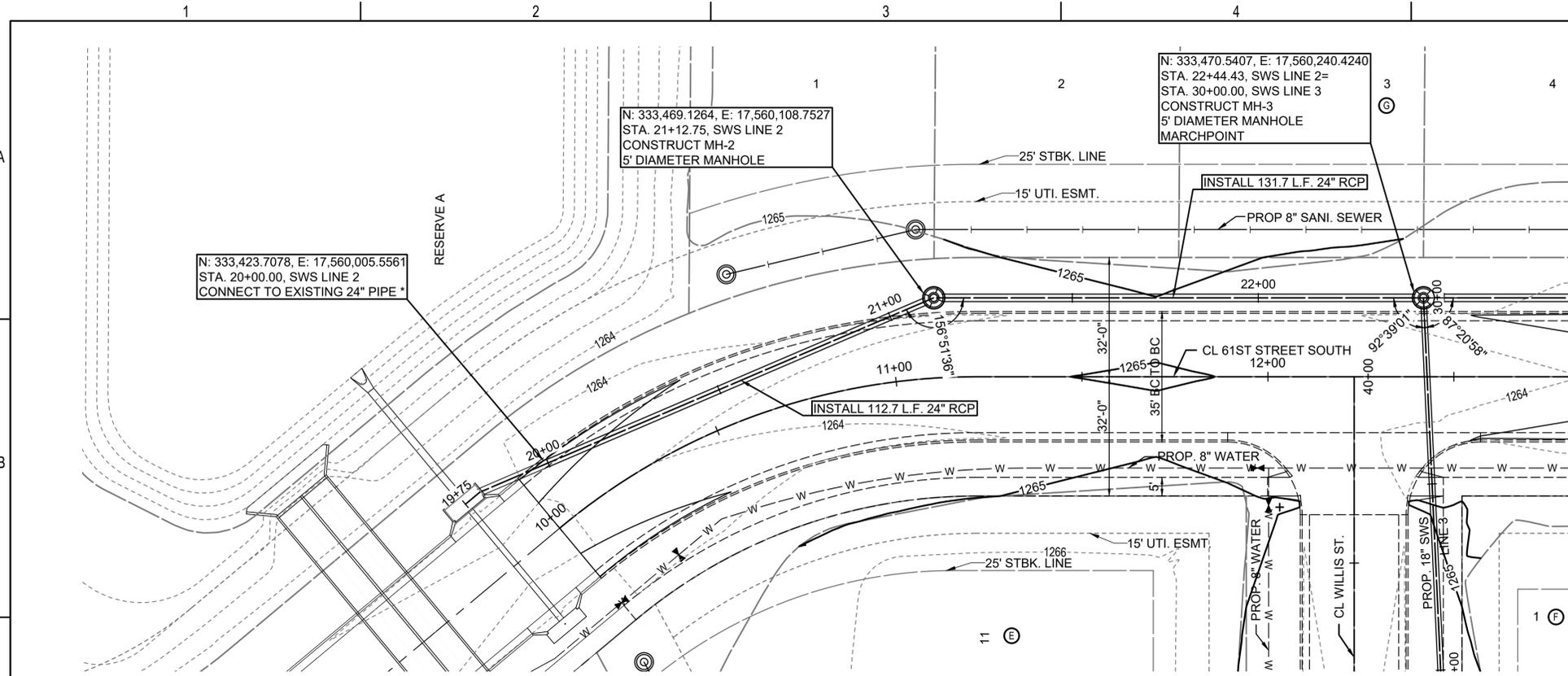
SWANEY FARM ADDITION
 PHASE 2

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

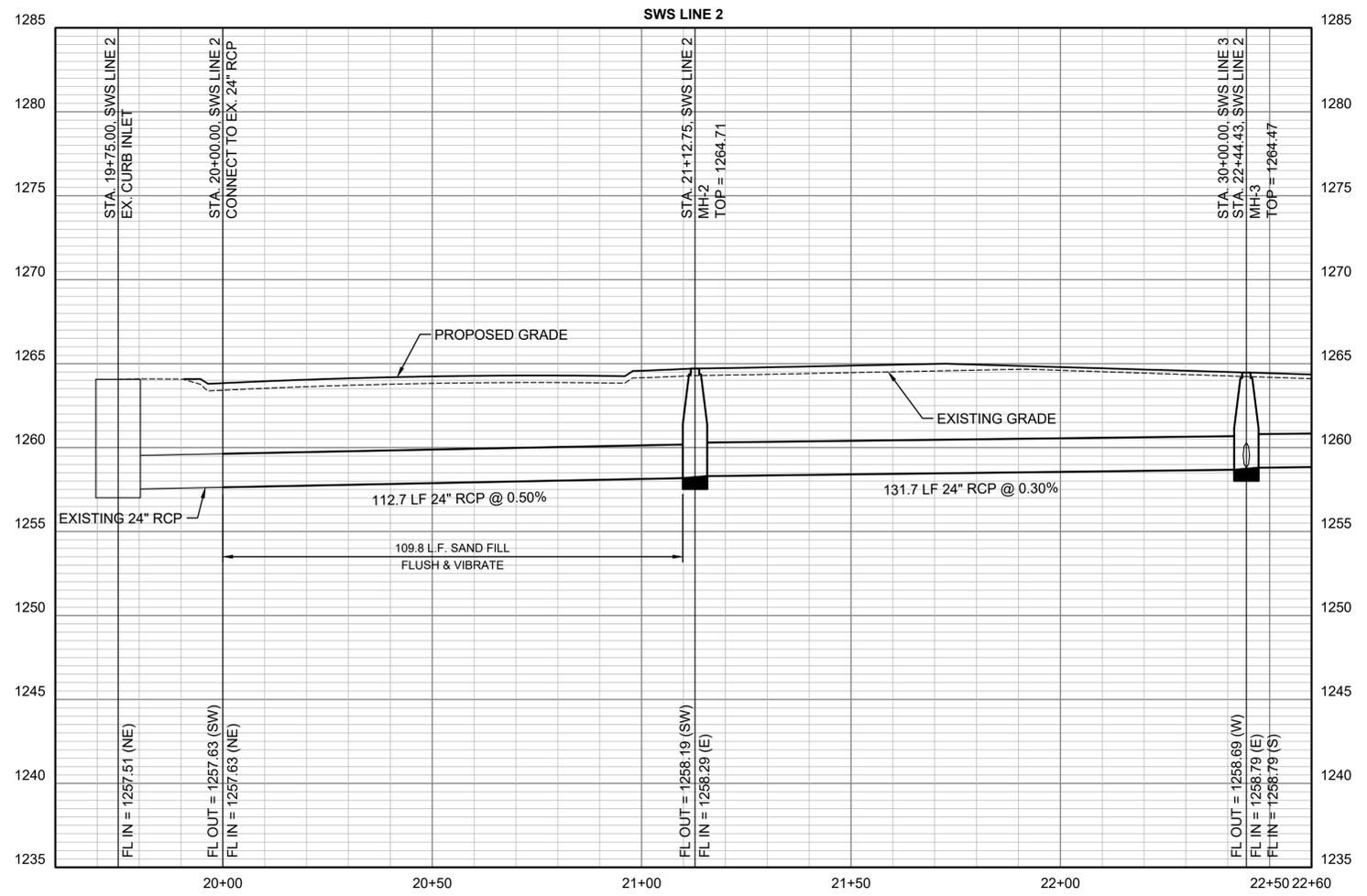
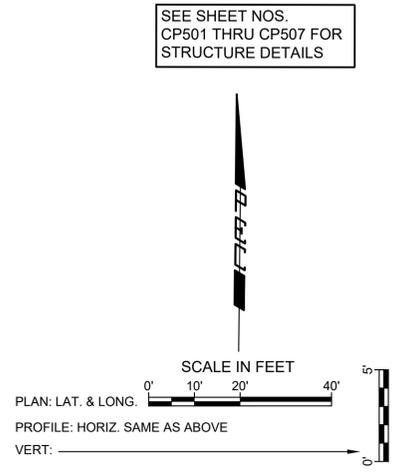
Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS LINE 1



*PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING PIPE TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.



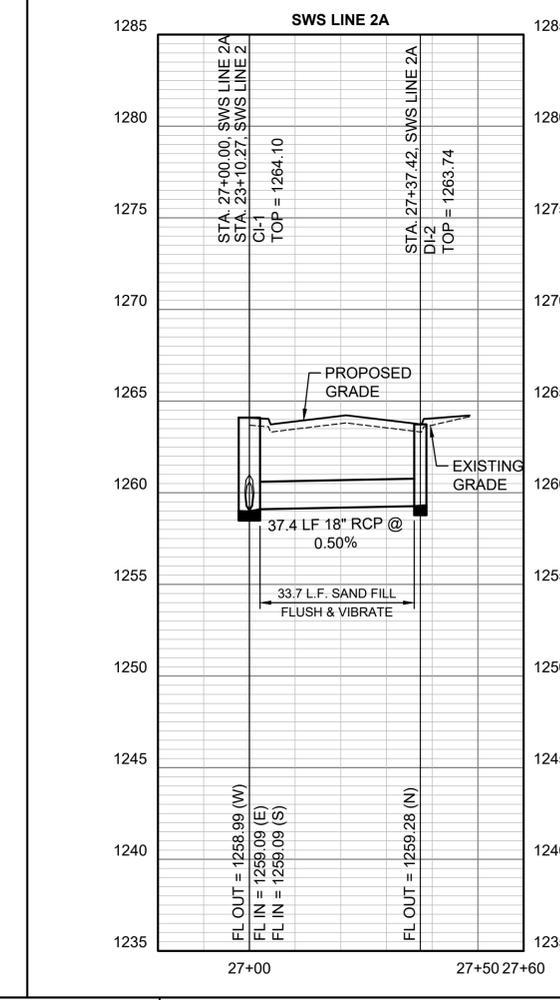
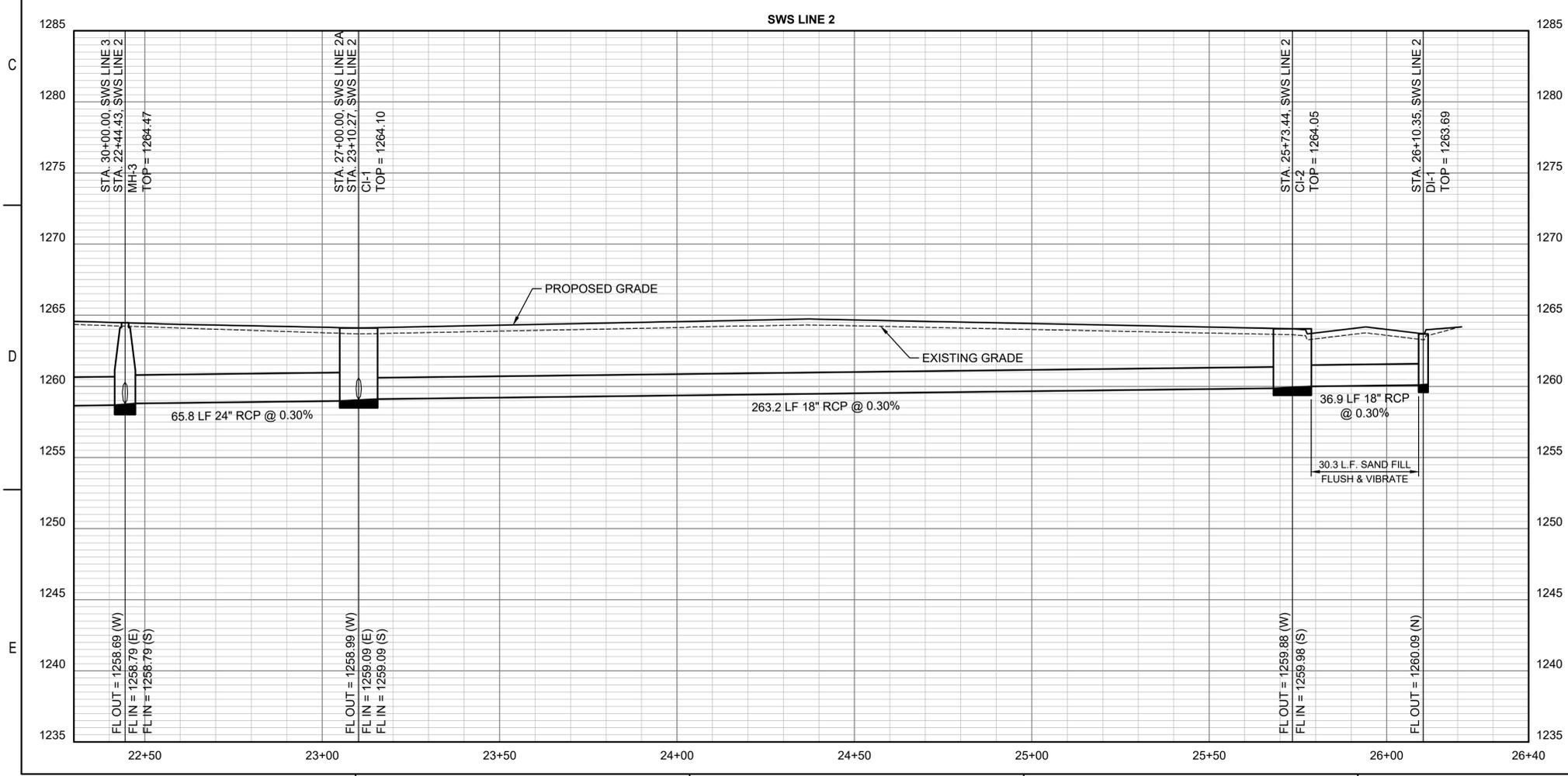
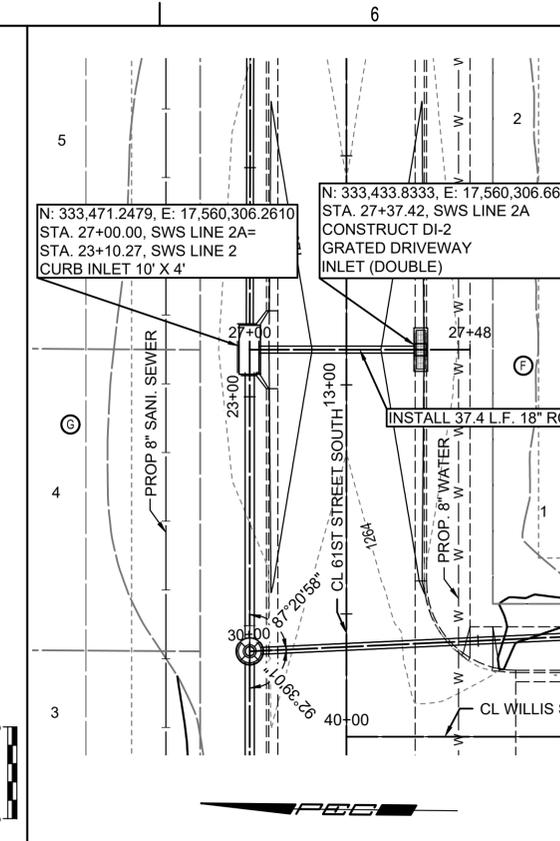
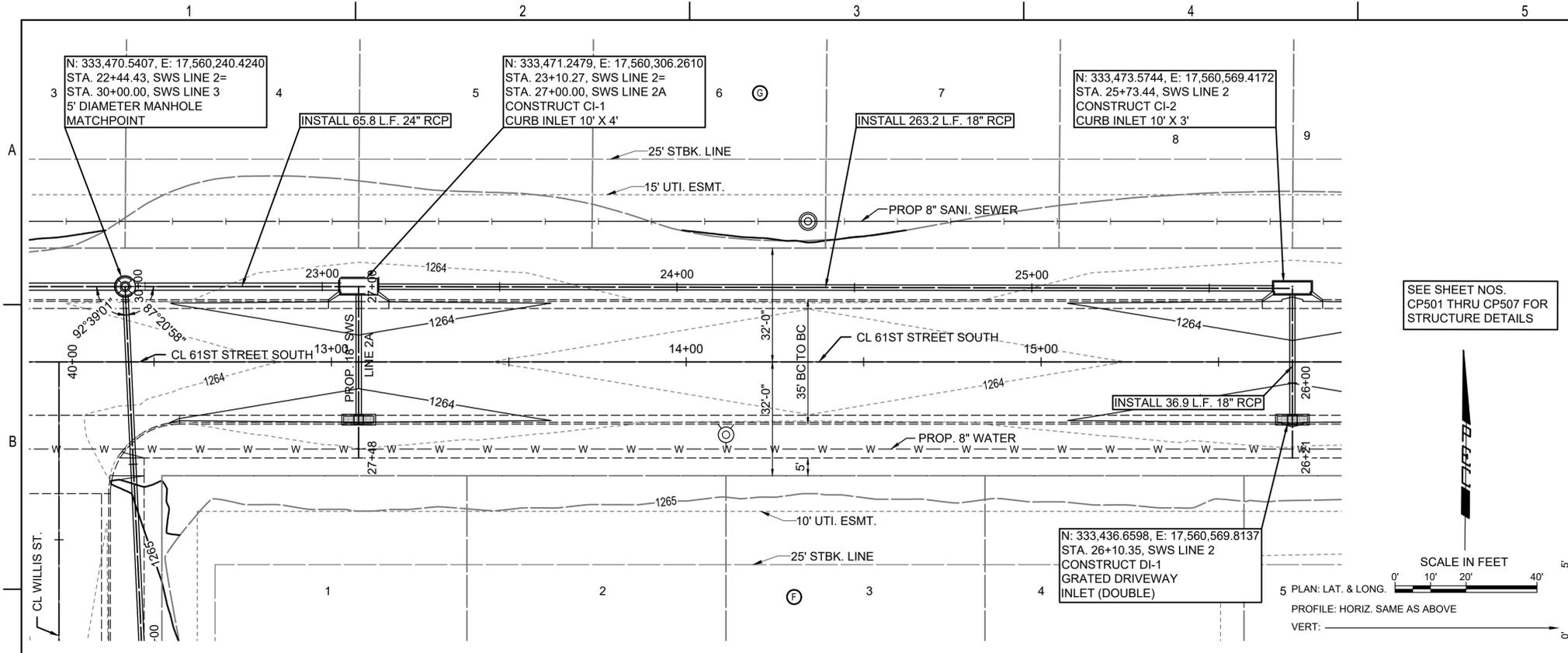
SAVED 9/18/2025 9:22:09 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 1:23:41 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\26-200605-009-CP403 PLAN AND PROFILE-SWS LINE 2.DWG

PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

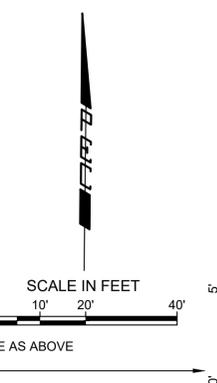
Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS LINE 2
CP403
 26 OF 69

SAVED 9/18/2025 9:23:46 AM BY KEVIN GRAHAM
 PLOTTED 11/16/2025 12:36:52 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\27-200605-009-CP404 PLAN AND PROFILE-SWS LINES 2
 AND 2A.DWG



SEE SHEET NOS.
 CP501 THRU CP507 FOR
 STRUCTURE DETAILS

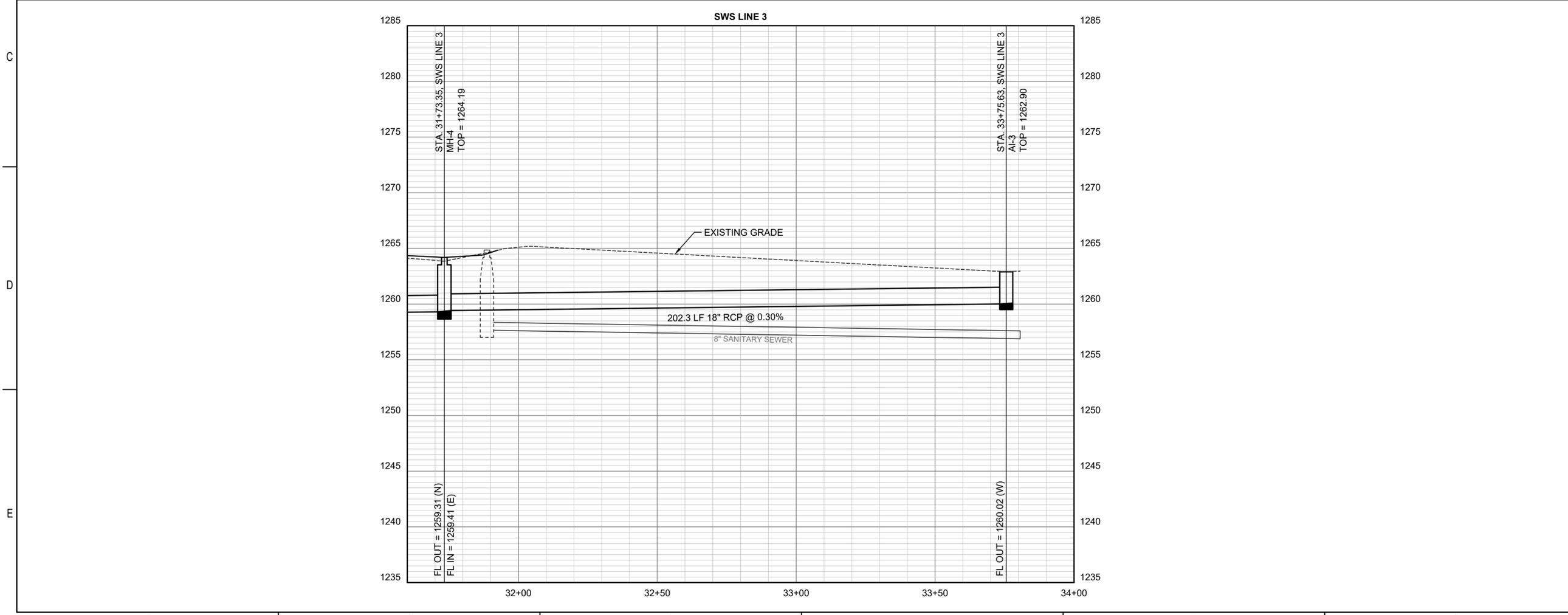
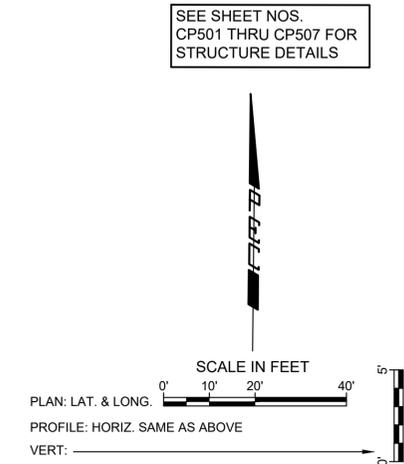
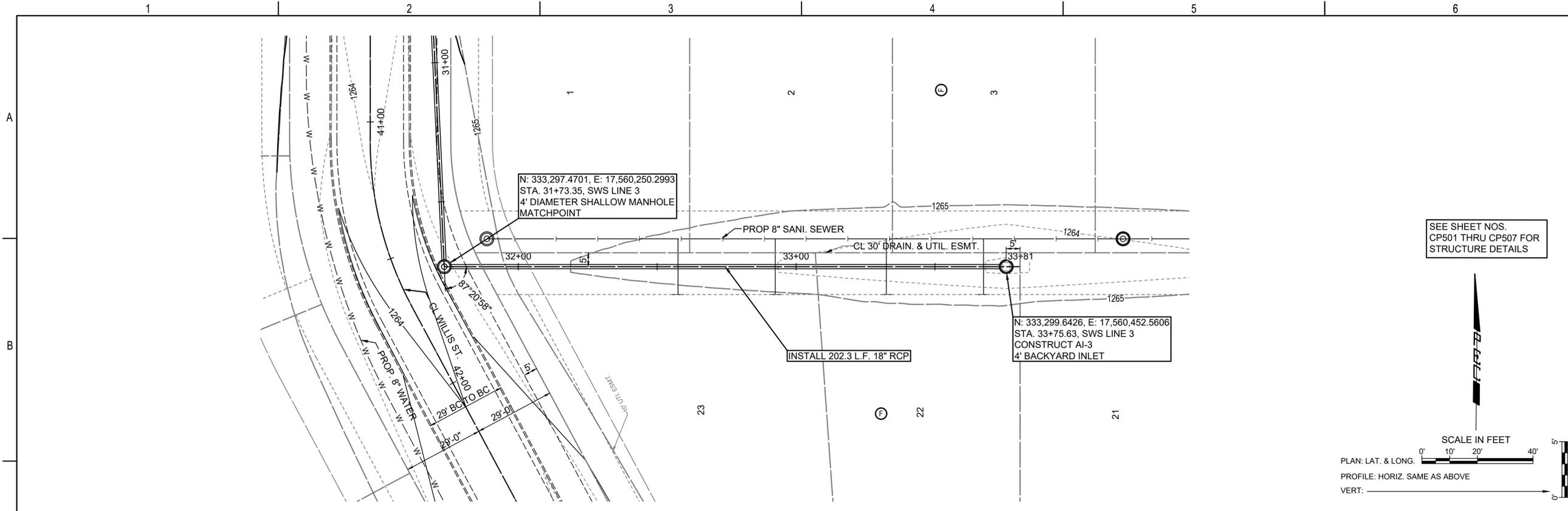


PAVING AND INCIDENTAL DRAINAGE
 IMPROVEMENTS
**SWANEY FARM ADDITION
 PHASE 2**
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS
 LINES 2 AND 2A
CP404
 27 OF 69

SAVED 9/18/2025 9:31:22 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:37:51 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\29-200605-009-CP406 PLAN AND PROFILE-SWS LINE 3.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

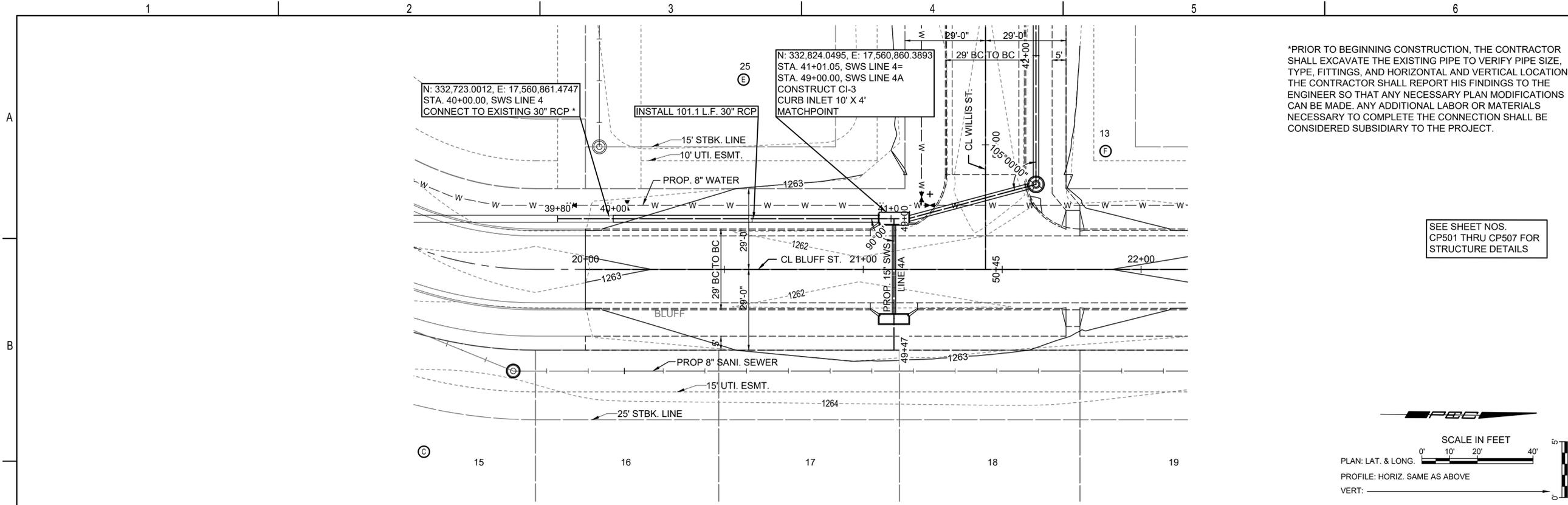
Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS LINE 3

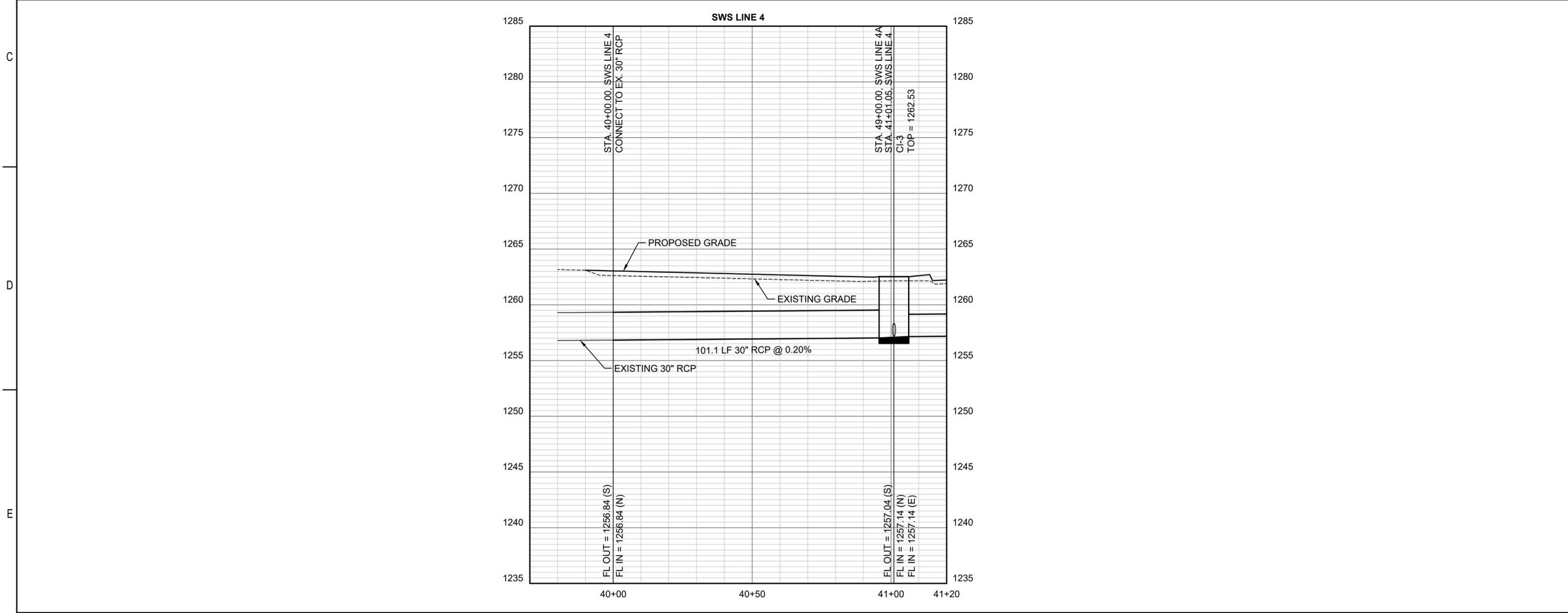
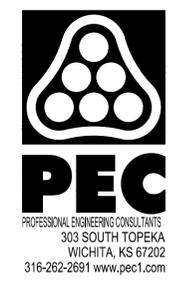
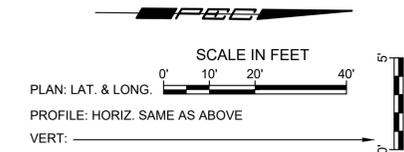
CP406
29 OF 69

SAVED 9/18/2025 9:09:09 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:38:20 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\30-200605-009-CP407 PLAN AND PROFILE-SWS LINE 4.DWG



*PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING PIPE TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

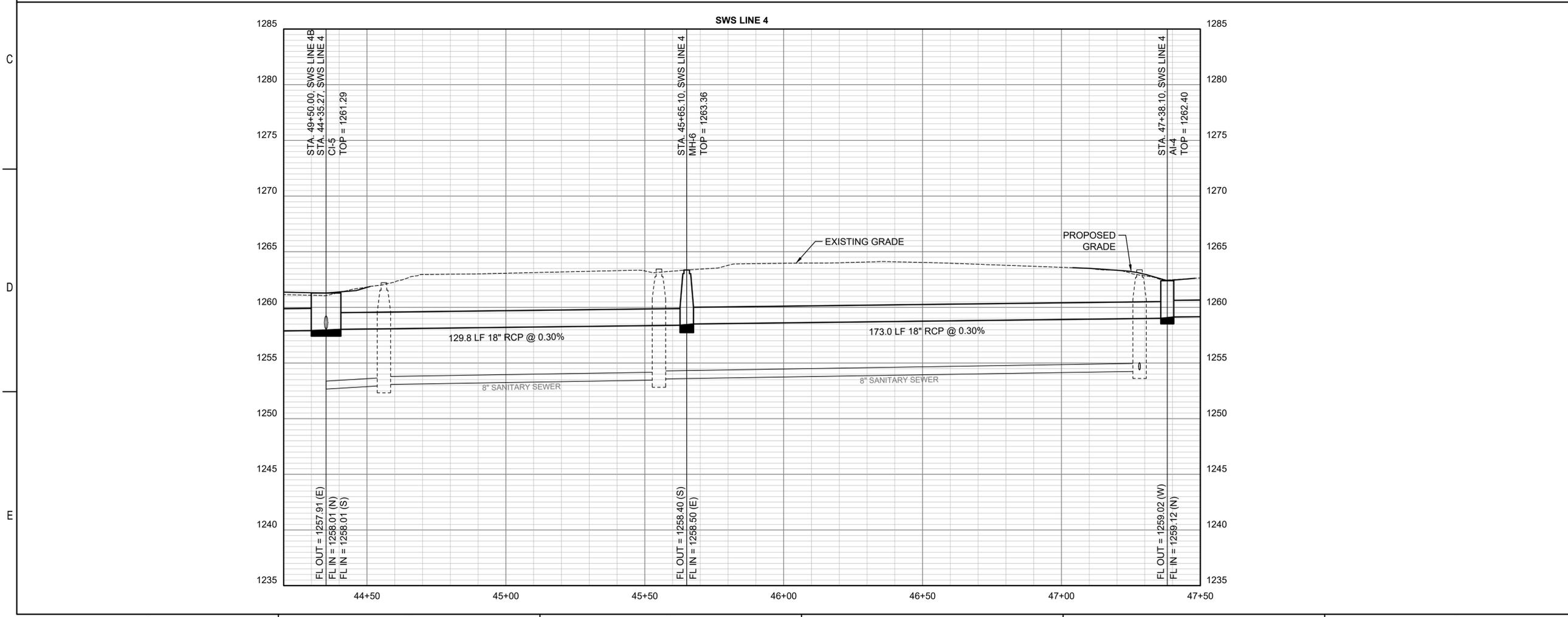
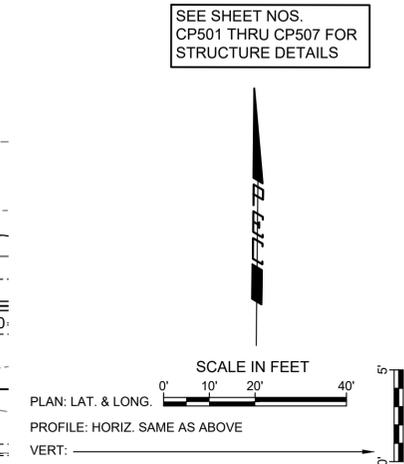
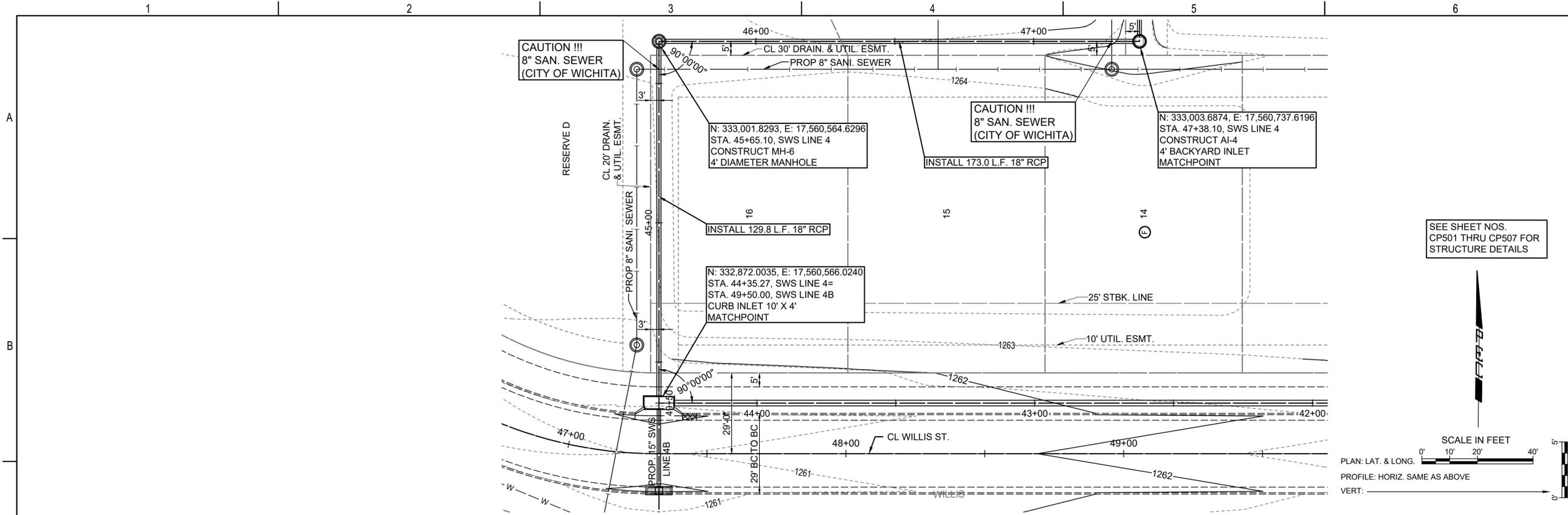
SEE SHEET NOS. CP501 THRU CP507 FOR STRUCTURE DETAILS



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
 SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		
JOB NO.	200605-009	
DATE	NOVEMBER 2025	
PM	KPG	
DESIGNED BY	KPG	
DRAWN BY	BJS	
CHECKED BY	CSB	
PLAN AND PROFILE-SWS LINE 4		
CP407		
30 OF 69		

SAVED 9/18/2025 9:31:29 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:39:13 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\32-200605-009-CP409 PLAN AND PROFILE-SWS LINE 4.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION
 PHASE 2

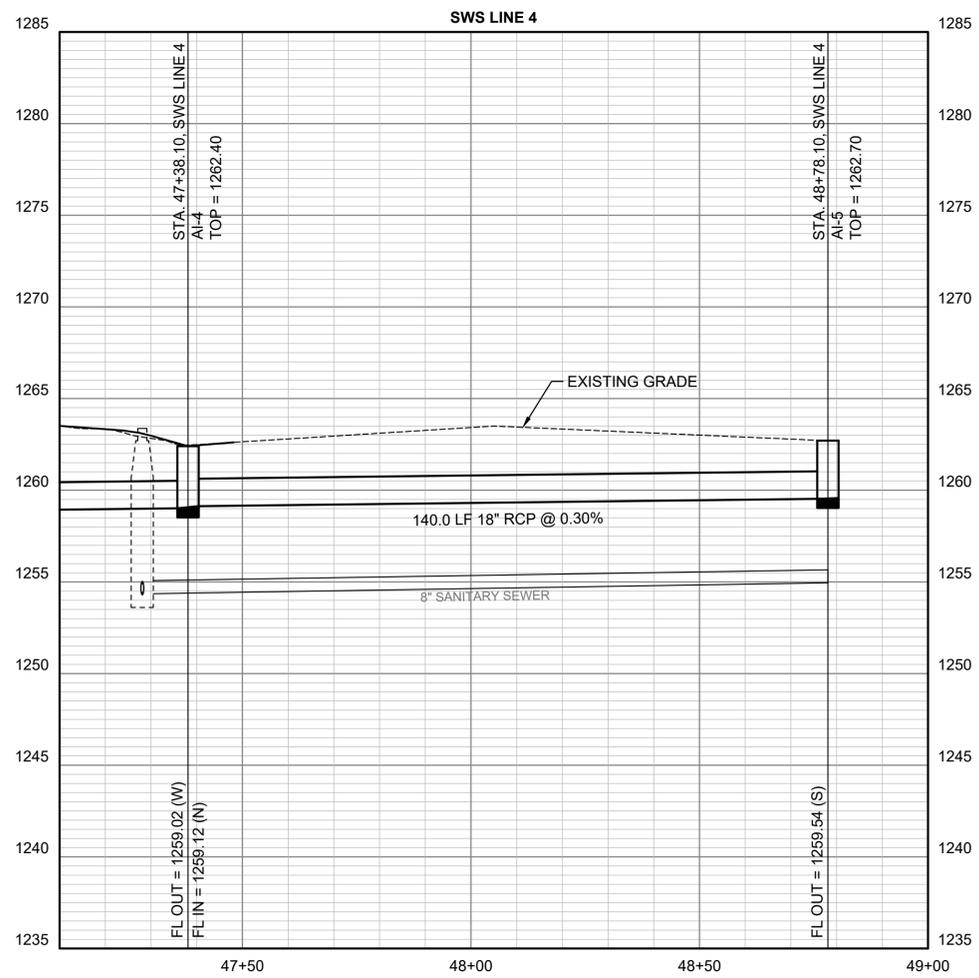
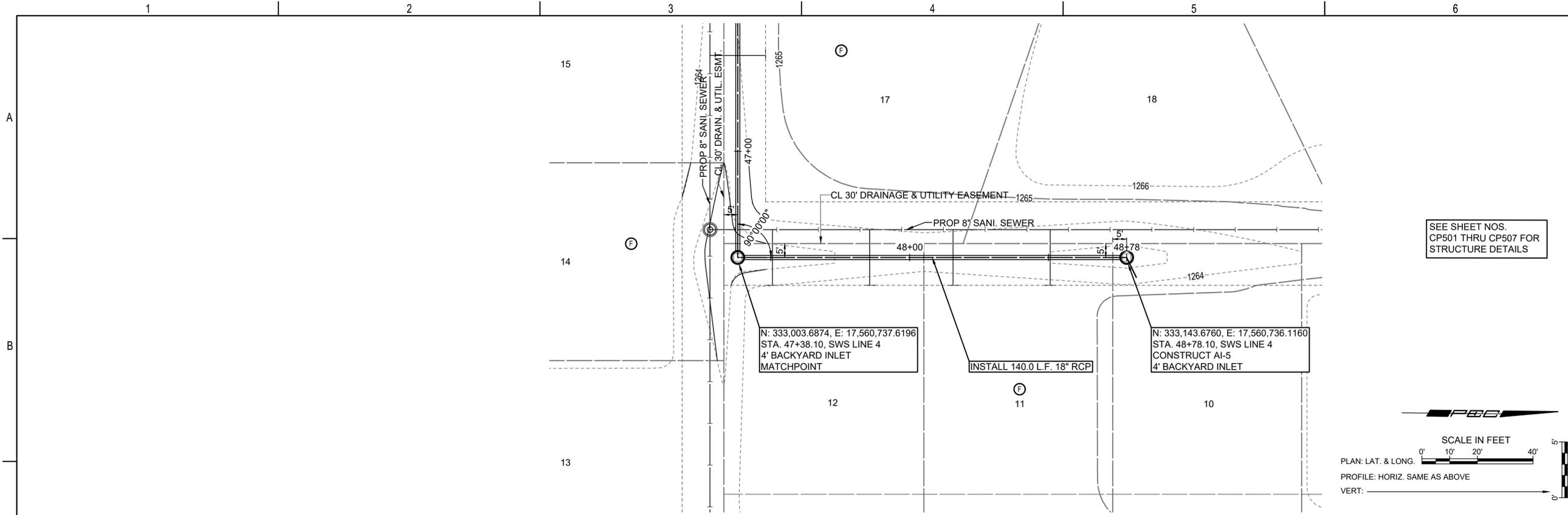
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS LINE 4

SAVED 9/18/2025 9:31:05 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:39:44 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\33-200605-009-CP410 PLAN AND PROFILE-SWS LINE 4.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

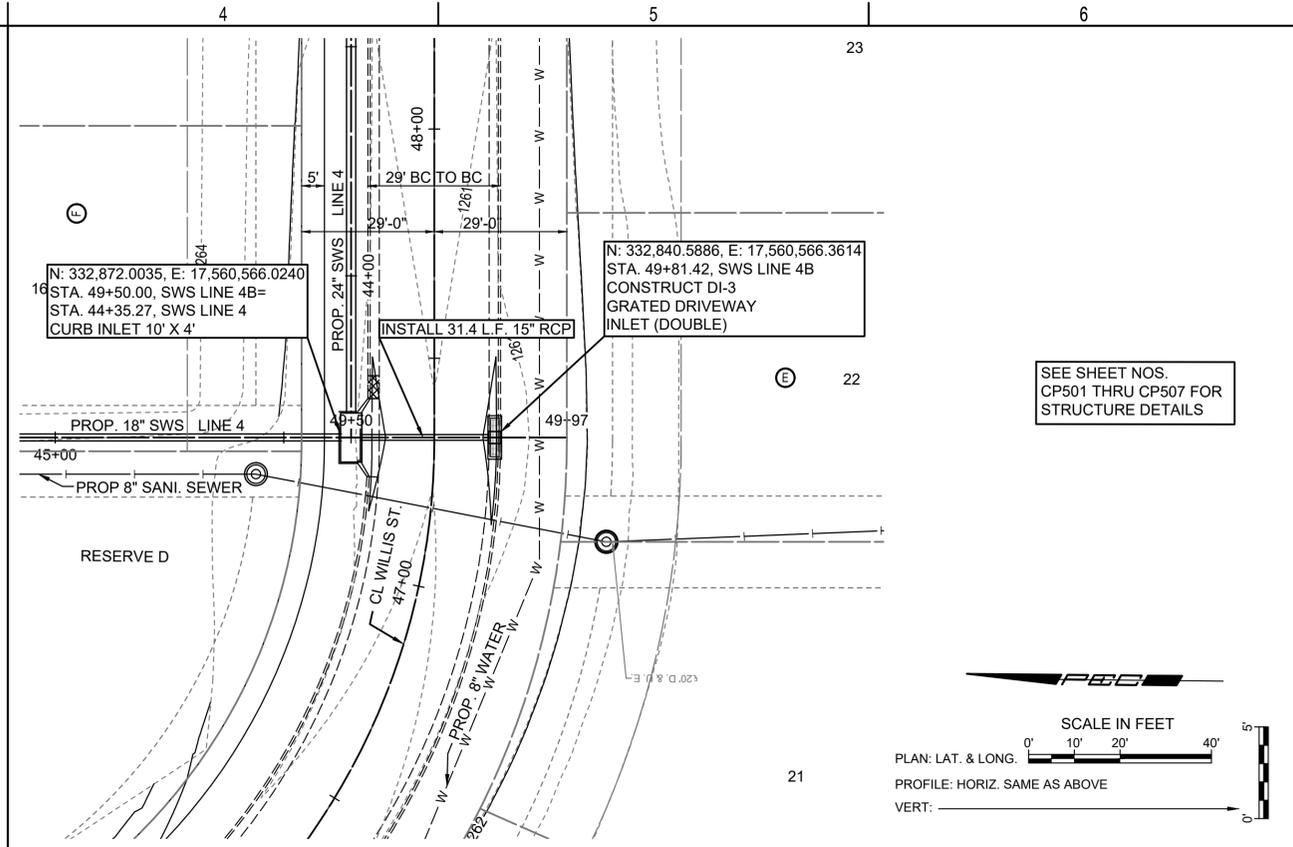
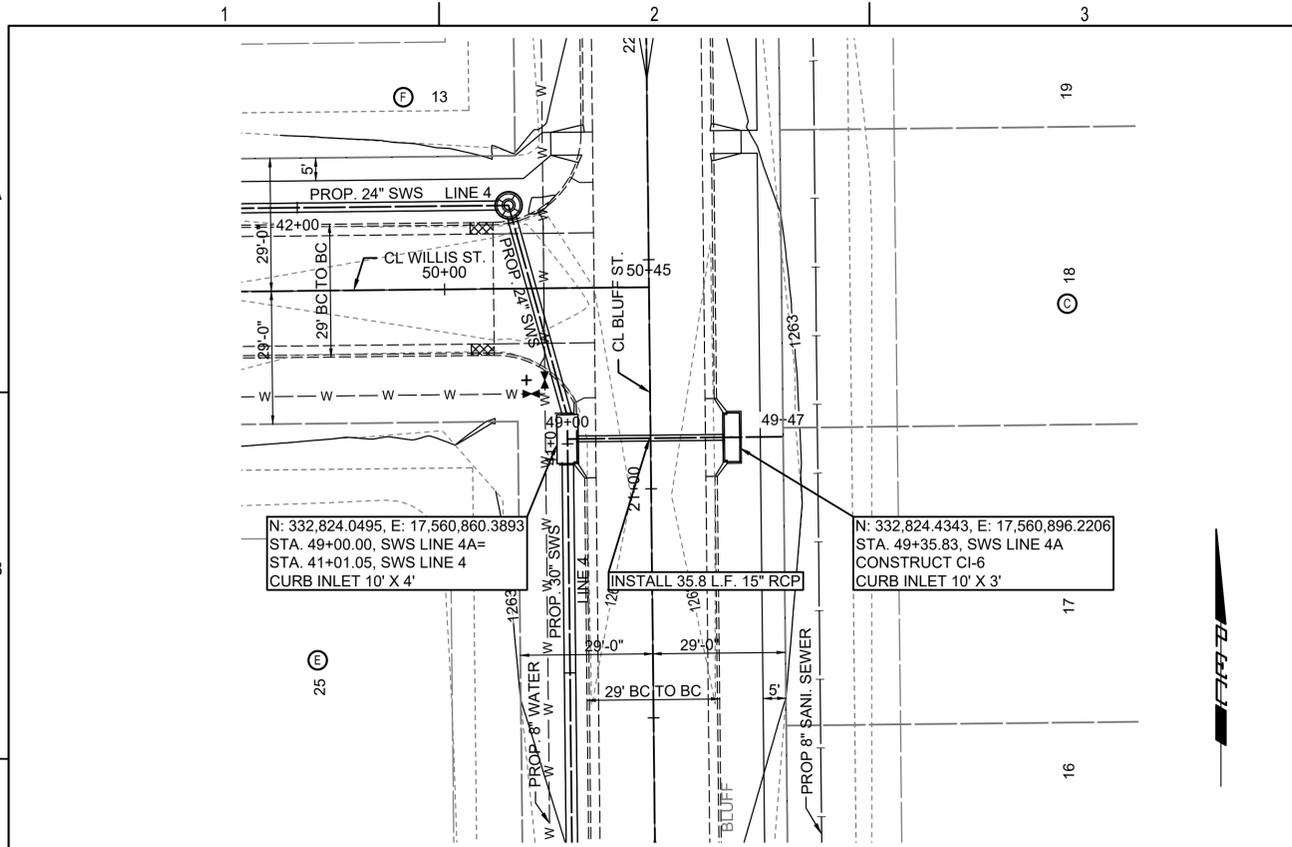
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

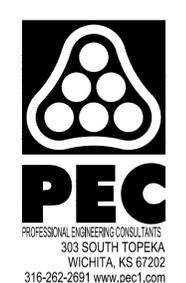
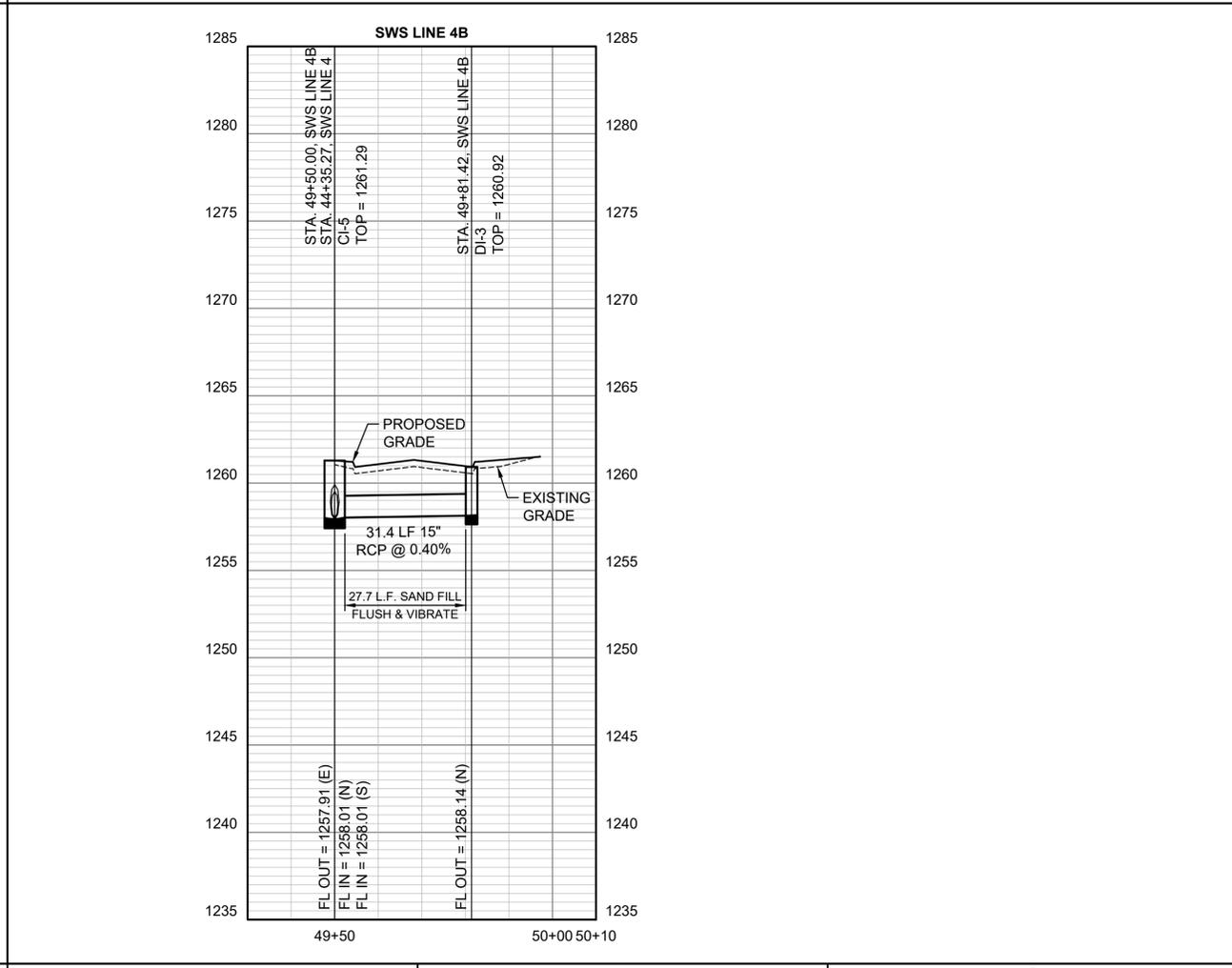
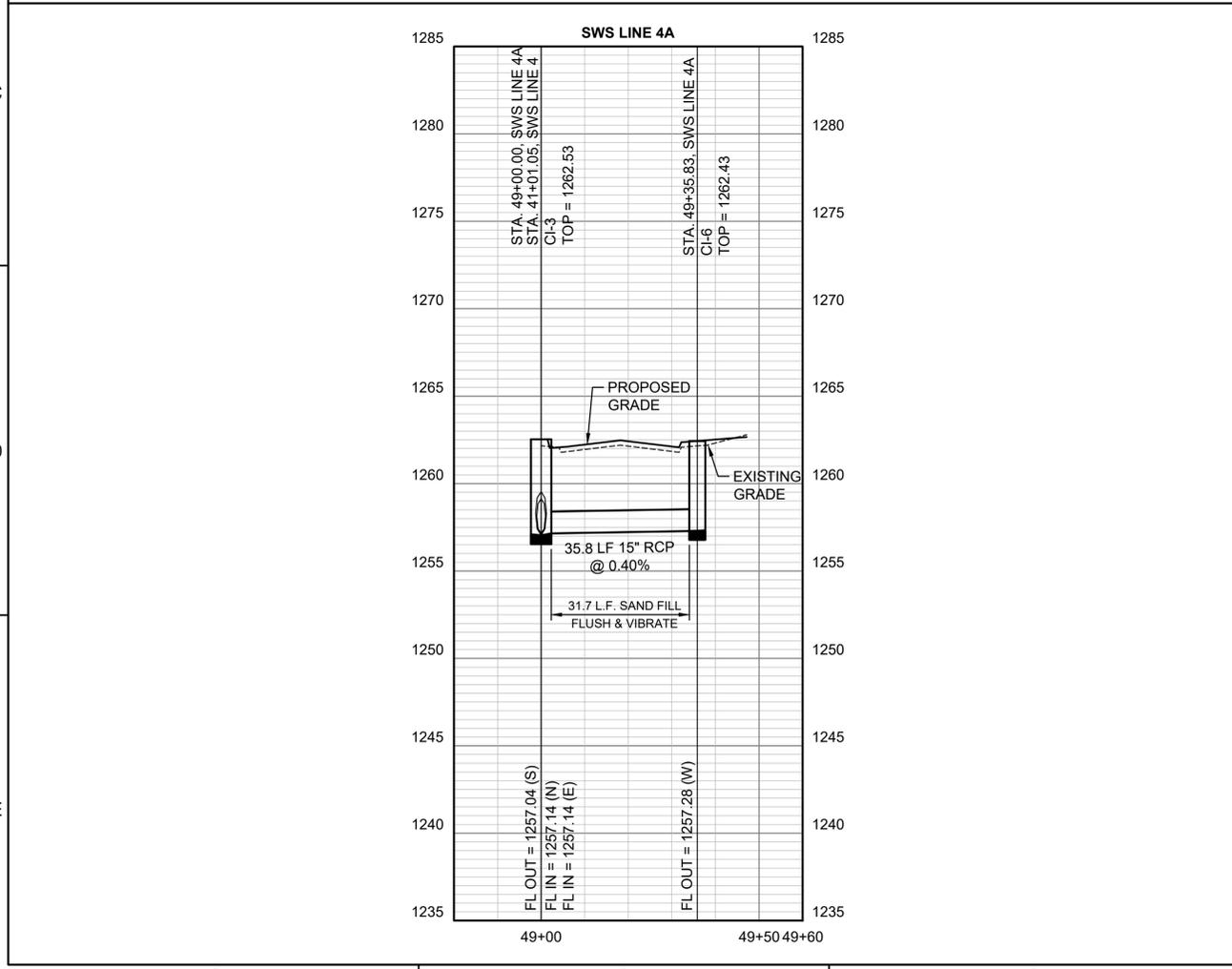
PLAN AND PROFILE-SWS LINE 4

SAVED 9/18/2025 9:31:44 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:40:32 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\34-200605-009-CP411 PLAN AND PROFILE-SWS LINES 4A AND 4B.DWG



SEE SHEET NOS.
 CP501 THRU CP507 FOR
 STRUCTURE DETAILS

SCALE IN FEET
 PLAN: LAT. & LONG. 0' 10' 20' 40'
 PROFILE: HORIZ. SAME AS ABOVE
 VERT: 0' 5'

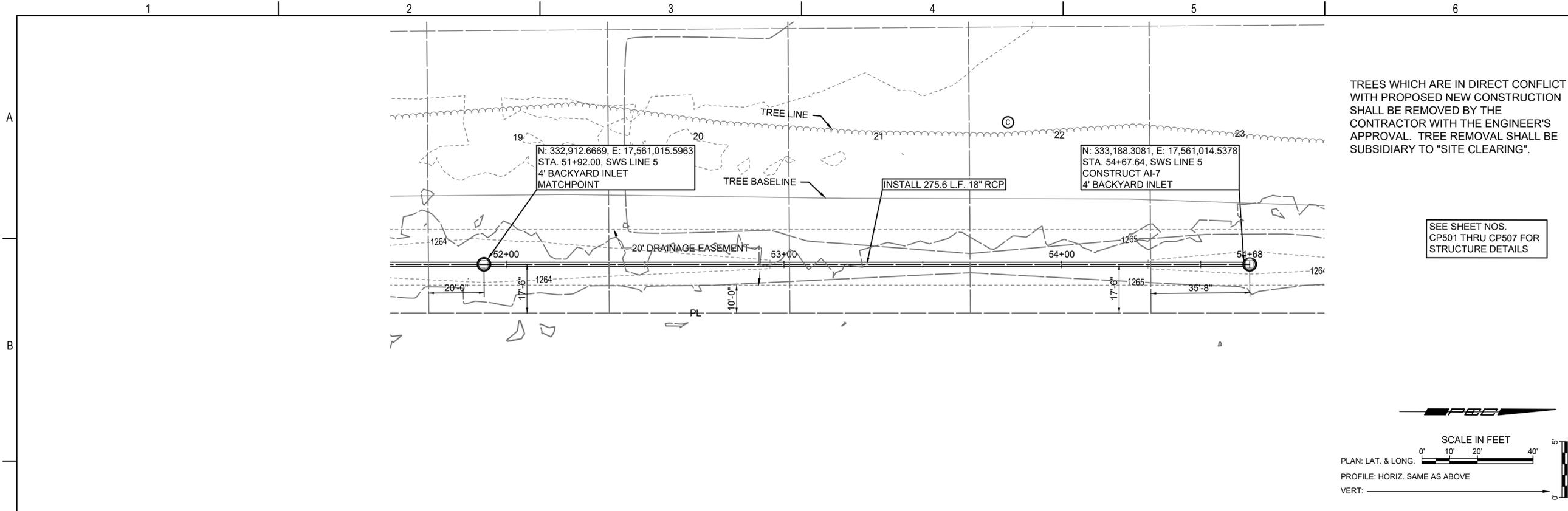


PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
 SWANEY FARM ADDITION
 PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		
JOB NO.	200605-009	
DATE	NOVEMBER 2025	
PM	KPG	
DESIGNED BY	KPG	
DRAWN BY	BJS	
CHECKED BY	CSB	

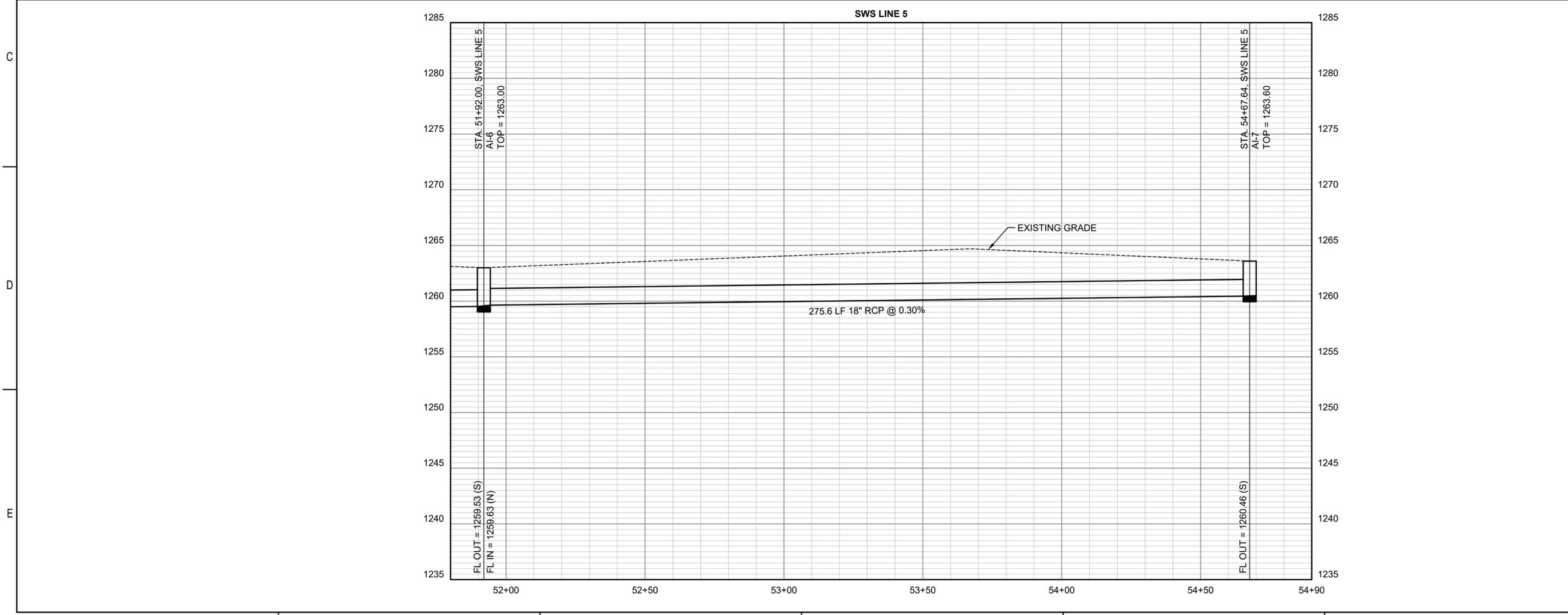
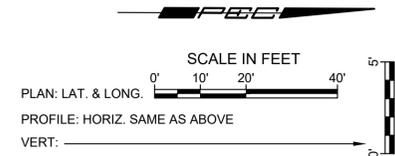
PLAN AND PROFILE-SWS LINES 4A AND 4B
CP411
 34 OF 69

SAVED 9/18/2025 9:34:17 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:41:51 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\36-200605-009-CP413 PLAN AND PROFILE-SWS LINE 5.DWG



TREES WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREE REMOVAL SHALL BE SUBSIDIARY TO "SITE CLEARING".

SEE SHEET NOS. CP501 THRU CP507 FOR STRUCTURE DETAILS



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

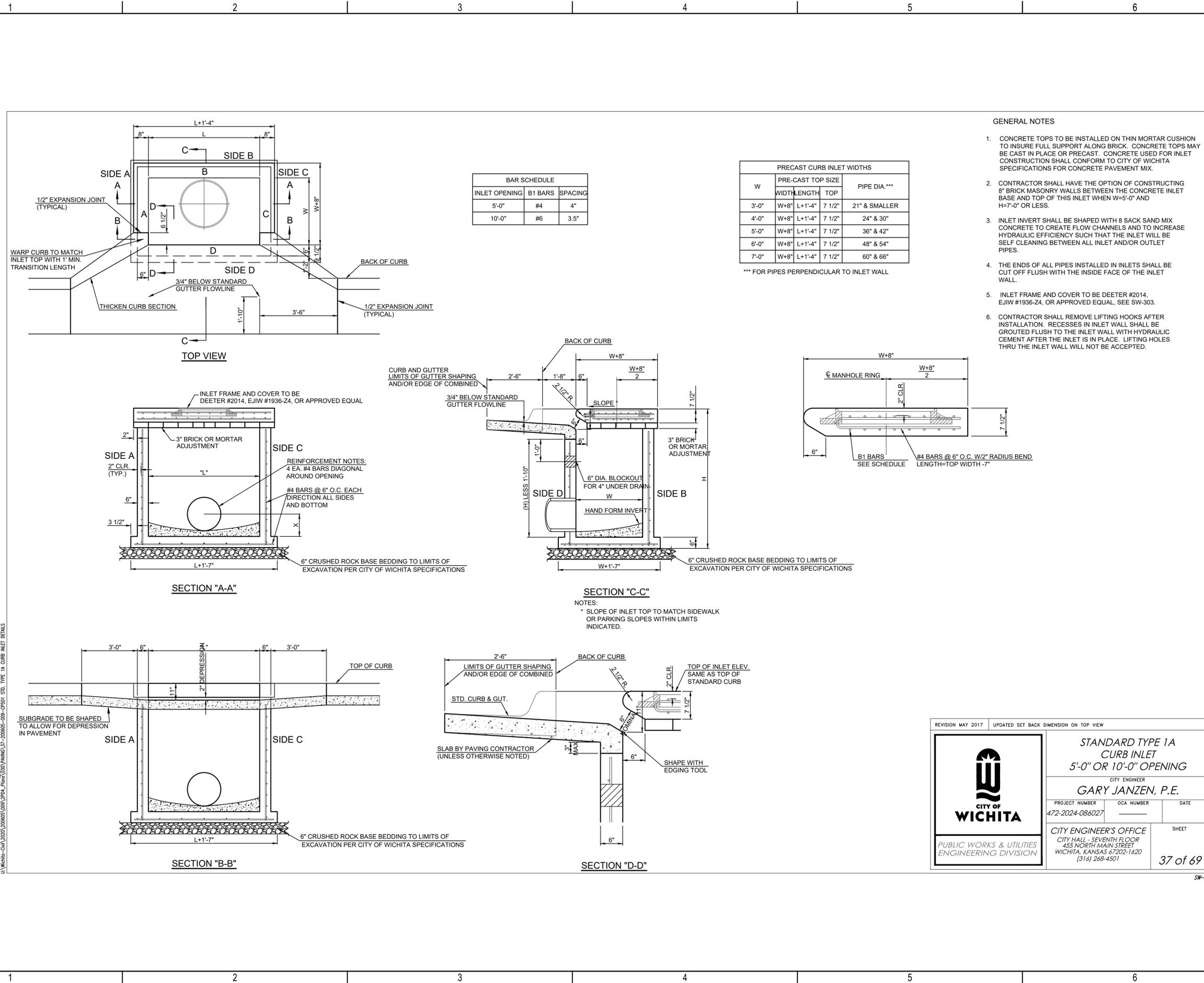
Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

PLAN AND PROFILE-SWS LINE 5

SAVED 6/24/2025 9:56:25 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:41:58 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060510\0912PD4_PLANS\030\PAVING\37-200605-009-CP501 STD. TYPE 1A CURB INLET
 DETAILS.DWG

Saved 06-24-2025 9:56:25 AM BY BILL SEXSON
 Plt. Scale 1:1 11-06-2025 12:41:58 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060510\0912PD4_PLANS\030\PAVING\37-200605-009-CP501 STD. TYPE 1A CURB INLET DETAILS



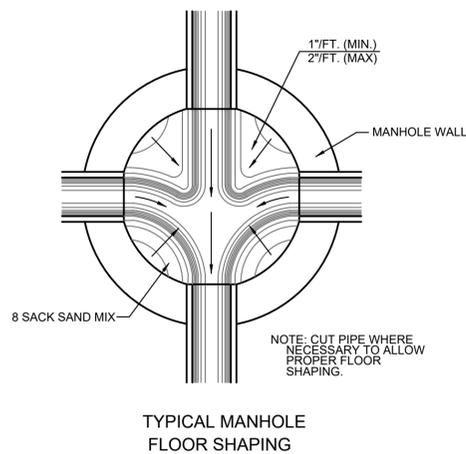
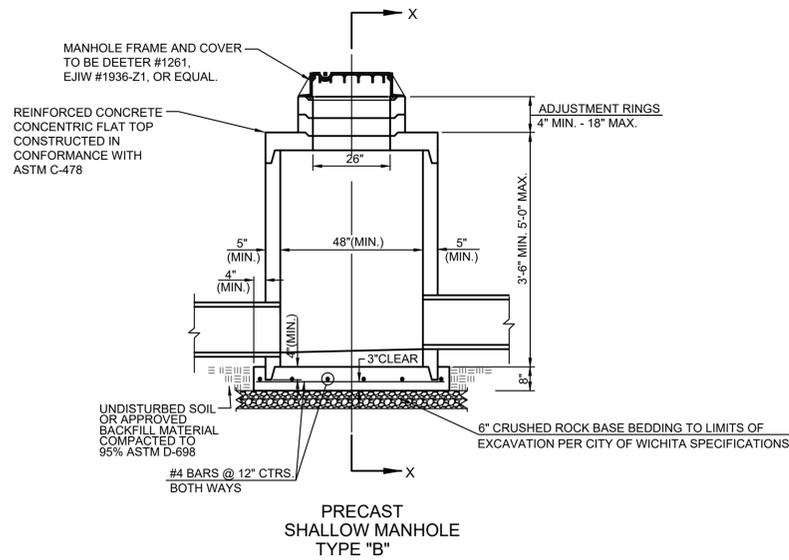
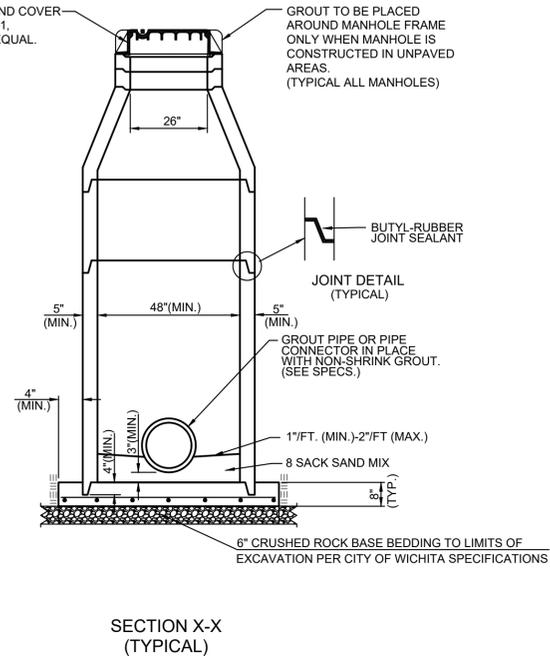
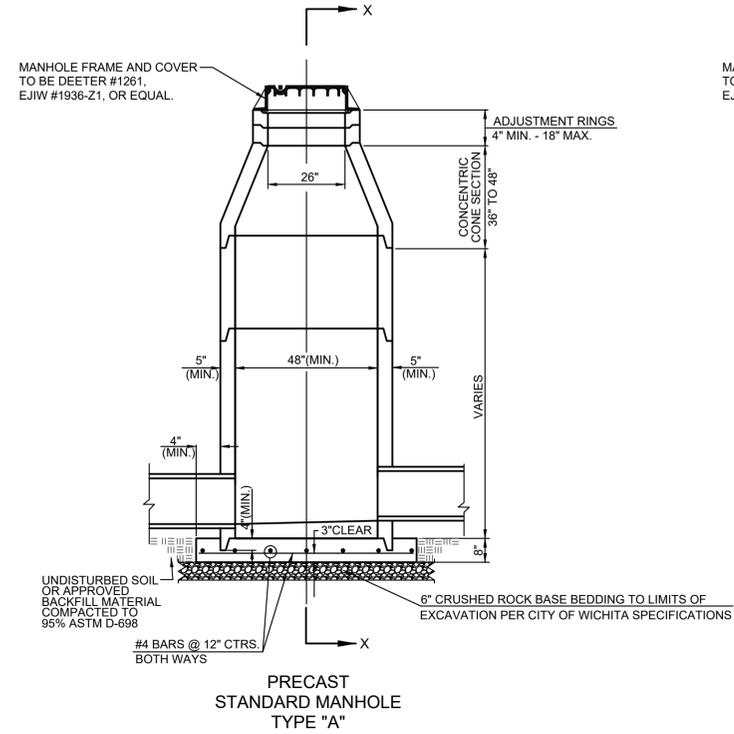
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

REVISION MAY 2017	UPDATED SET BACK DIMENSION ON TOP VIEW	
CITY OF WICHITA		
STANDARD TYPE 1A CURB INLET		
5'-0" OR 10'-0" OPENING		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2024-086027	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 37 of 69

ISSUE:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB
STD. TYPE 1A CURB INLET DETAILS	
CP501	
37 OF 69	

SAVED 6/24/2025 9:55:34 AM BY BILL SEXSON
 PLOTTED 11/16/2025 12:42:04 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060509\2PD4_PLANS\030\PAVING\38-200605-009-CP502 PRECAST CONCRETE MANHOLE
 DETAILS.DWG

Sheet 08-24--2025 9:55:34 AM by BILL SEXSON
 U:\WICHITA-CIVIL\2020\20060509\2PD4_PLANS\030\PAVING\38-200605-009-CP502 PRECAST CONCRETE MANHOLE DETAILS



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	OCA NUMBER	DATE
472-2024-086027		
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		38 of 69

SW-301



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

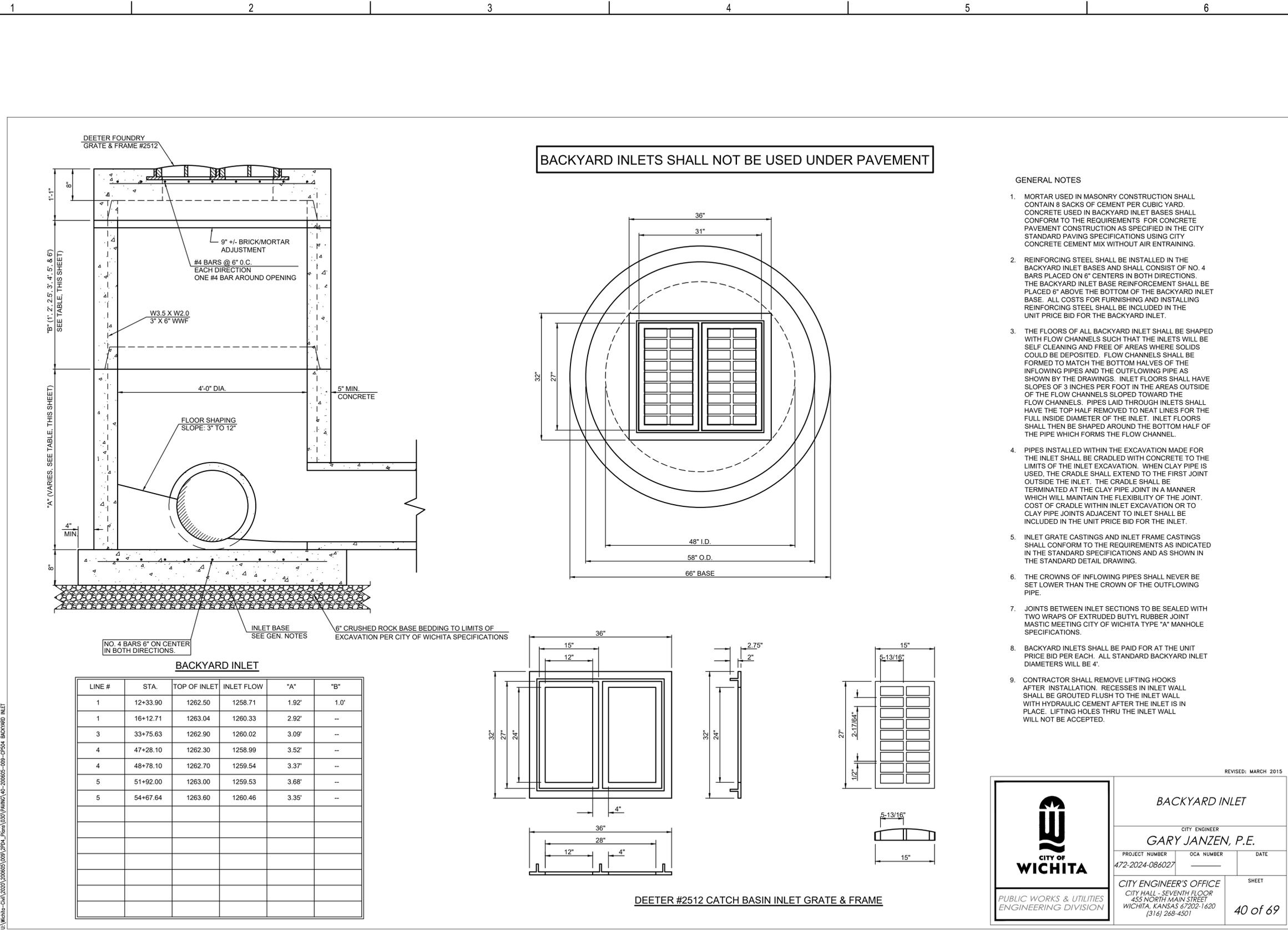
ISSUE:		
JOB NO.	200605-009	
DATE	NOVEMBER 2025	
PM	KPG	
DESIGNED BY	KPG	
DRAWN BY	BJS	
CHECKED BY	CSB	

PRECAST CONCRETE MANHOLE DETAILS

CP502
 38 OF 69

SAVED 6/27/2025 3:02:32 PM BY BILL SEXTON
 PLOTTED 11/6/2025 12:42:14 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\40-200605-009-CP504 BACKYARD INLET.DWG

Sheet 06-27-2025 3:02:32 PM By BILL SEXTON
 U:\Wichita-Civil\2020\200605\09\2PD4_PLANS\030\PAVING\40-200605-009-CP504 BACKYARD INLET



BACKYARD INLETS SHALL NOT BE USED UNDER PAVEMENT

GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN BACKYARD INLET BASES SHALL CONFORM TO THE REQUIREMENTS FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE CEMENT MIX WITHOUT AIR ENTRAINING.
- REINFORCING STEEL SHALL BE INSTALLED IN THE BACKYARD INLET BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE BACKYARD INLET BASE REINFORCEMENT SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE BACKYARD INLET BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BACKYARD INLET.
- THE FLOORS OF ALL BACKYARD INLET SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE INLETS WILL BE SELF-CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. INLET FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH INLETS SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE INLET. INLET FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE INLET SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE INLET EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE INLET. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN INLET EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE INLET.
- INLET GRATE CASTINGS AND INLET FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- JOINTS BETWEEN INLET SECTIONS TO BE SEALED WITH TWO WRAPS OF EXTRUDED BUTYL RUBBER JOINT MASTIC MEETING CITY OF WICHITA TYPE "A" MANHOLE SPECIFICATIONS.
- BACKYARD INLETS SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH. ALL STANDARD BACKYARD INLET DIAMETERS WILL BE 4'.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
 SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

ISSUE:			
JOB NO.	200605-009		
DATE	NOVEMBER 2025		
PM	KPG		
DESIGNED BY	KPG		
DRAWN BY	BJS		
CHECKED BY	CSB		

BACKYARD INLET

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER: 472-2024-086027 OCA NUMBER: DATE:

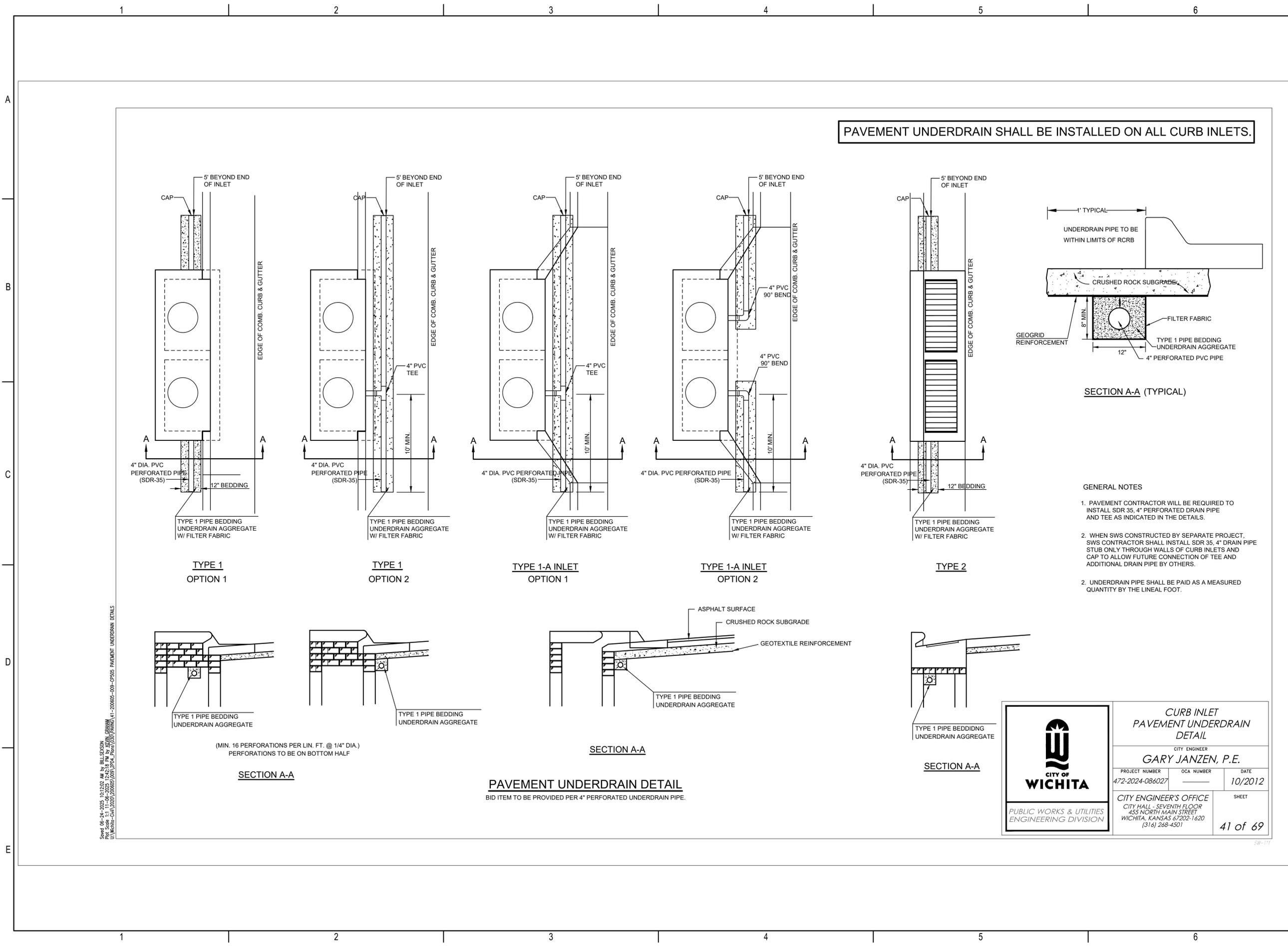
CITY ENGINEER'S OFFICE
 CITY HALL - SEVENTH FLOOR
 455 NORTH MAIN STREET
 WICHITA, KANSAS 67202-1620
 (316) 268-4501

SHEET
40 of 69

SW-203

SAVED 6/24/2025 10:12:02 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:42:18 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\41-200605-09-CP505 PAVEMENT UNDERDRAIN
 DETAILS.DWG

Sheet 09-24-2025 10:12:02 AM BY BILL SEXSON
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\41-200605-09-CP505 PAVEMENT UNDERDRAIN DETAILS
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\41-200605-09-CP505 PAVEMENT UNDERDRAIN DETAILS



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

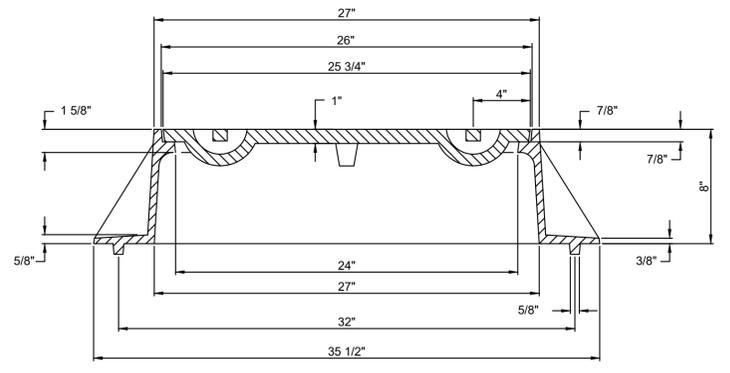
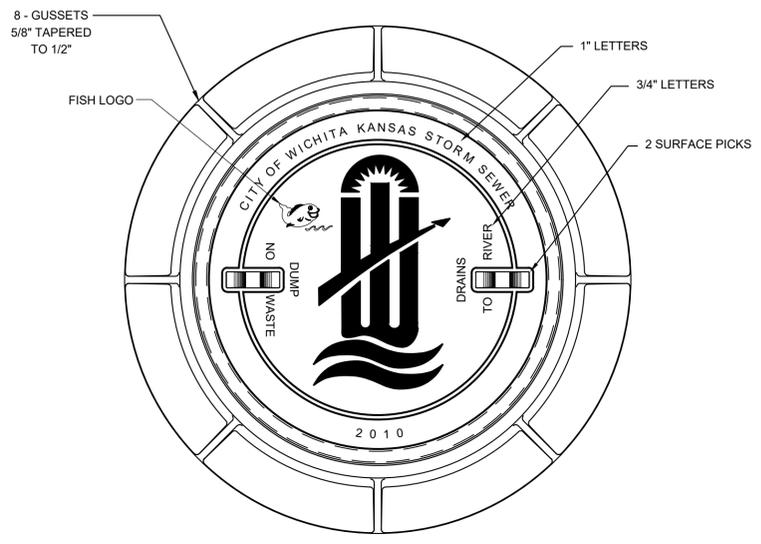
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

			CURB INLET PAVEMENT UNDERDRAIN DETAIL		
			CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2024-086027	OCA NUMBER	DATE 10/2012	SHEET 41 of 69		
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501					

Issue:					
JOB NO.	200605-009				
DATE	NOVEMBER 2025				
PM	KPG				
DESIGNED BY	KPG				
DRAWN BY	BJS				
CHECKED BY	CSB				
PAVEMENT UNDERDRAIN DETAILS					
CP505					
41 OF 69					

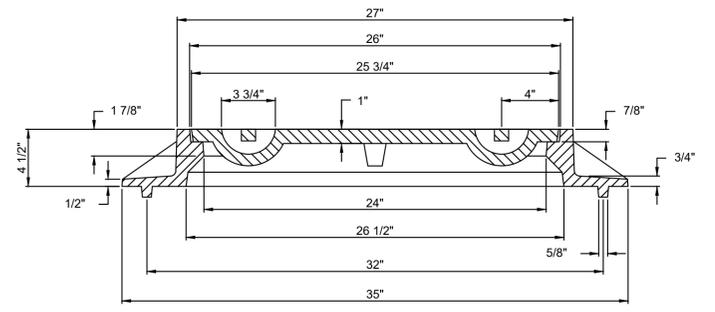
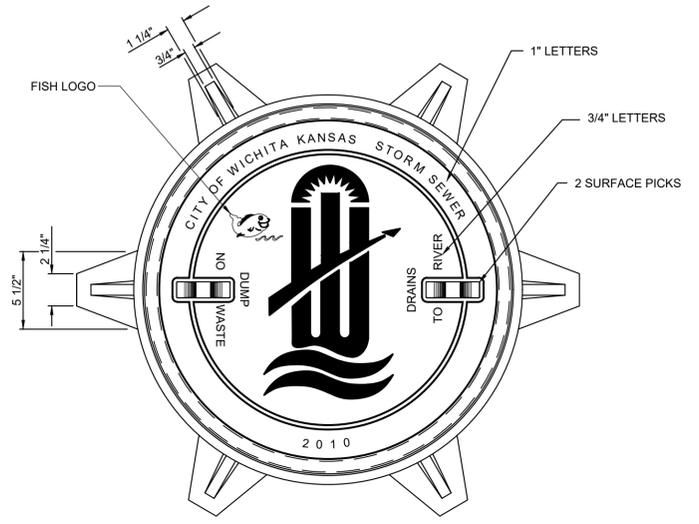
SAVED 6/24/2025 10:15:34 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:42:28 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\43-200605-009-CP507-MANHOLE-INLET FRAME AND COVER DETAILS.DWG

Sheet 09-24-2025 10:15:34 AM BY BILL SEXSON
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\43-200605-009-CP507-MANHOLE-INLET FRAME AND COVER DETAILS



MANHOLE FRAME
 DEETER #1261 OR EJIW #1936-Z1

- NOTE:
 1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
 2. COVER TO BE DEETER #1261 OR EJIW #1936A.



INLET FRAME
 DEETER #2014 OR EJIW #1936-Z4

- NOTE:
 1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
 2. NOT TO BE USED UNDER PAVEMENT.
 3. COVER TO BE DEETER #1261 OR EJIW #1936A.



MANHOLE/INLET FRAME AND COVER (STORM SEWER)		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER 472-2024-086027	OCA NUMBER	DATE 11/2010
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 43 of 69

5W-303



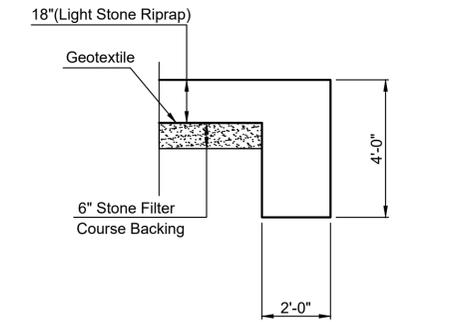
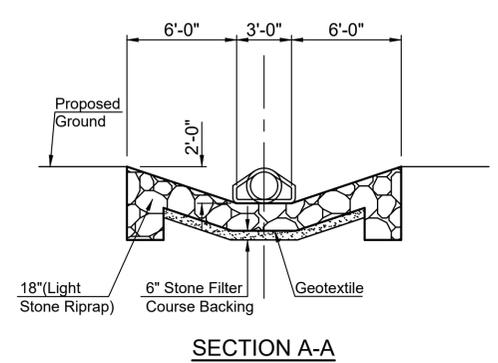
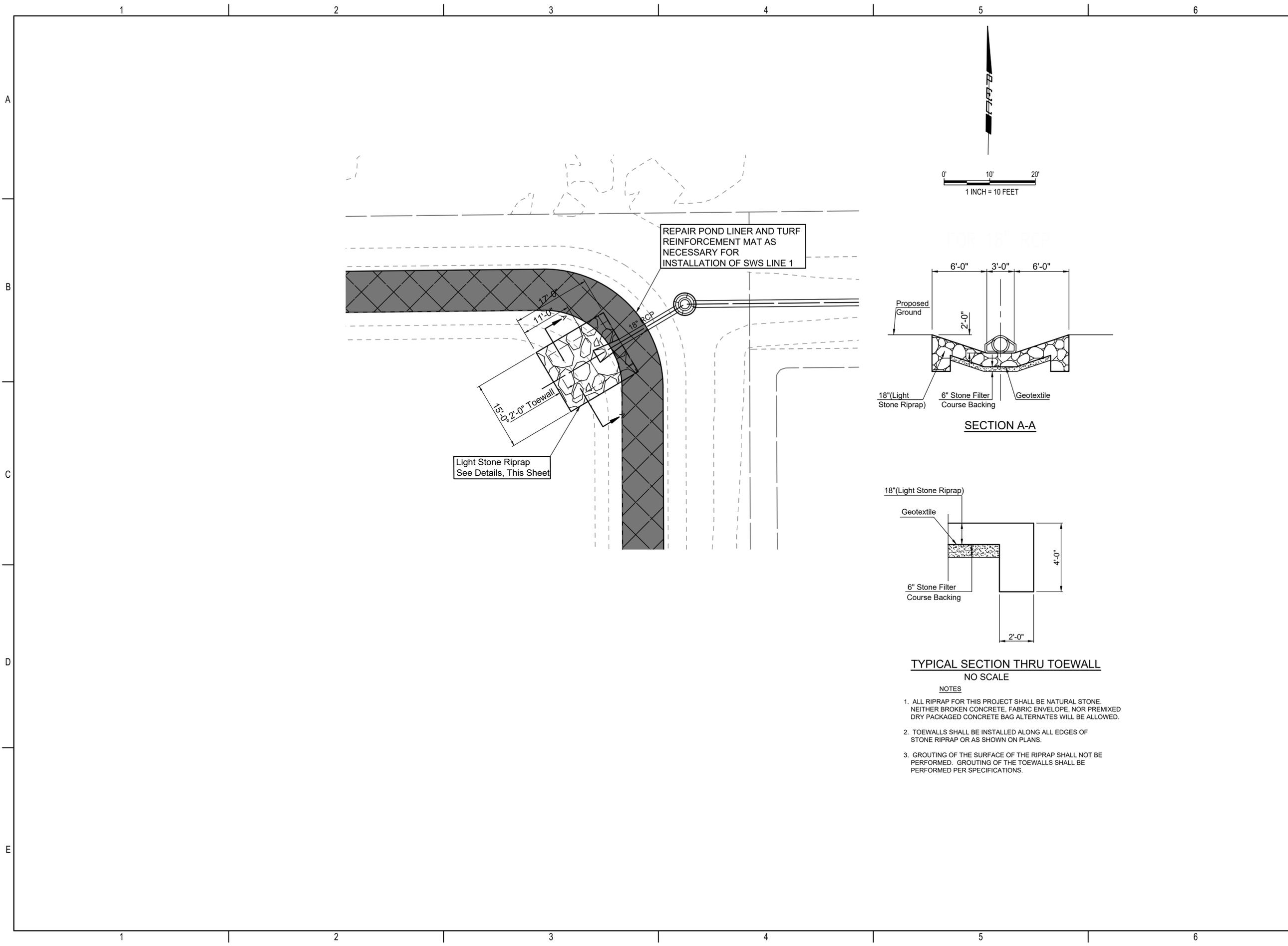
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		
JOB NO.	200605-009	
DATE	NOVEMBER 2025	
PM	KPG	
DESIGNED BY	KPG	
DRAWN BY	BJS	
CHECKED BY	CSB	

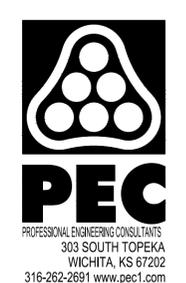
MANHOLE-INLET FRAME AND COVER DETAILS

CP507
 43 OF 69

SAVED 5/1/2025 3:50:36 PM BY BILL SEXSON
 PLOTTED 11/6/2025 1:12:43 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605009\2PPD4_PLANS\030\PAVING\44-200604-009-CP508 RIPRAP DETAILS.DWG



- NOTES**
1. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER BROKEN CONCRETE, FABRIC ENVELOPE, NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED.
 2. TOEWALLS SHALL BE INSTALLED ALONG ALL EDGES OF STONE RIPRAP OR AS SHOWN ON PLANS.
 3. GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER SPECIFICATIONS.



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

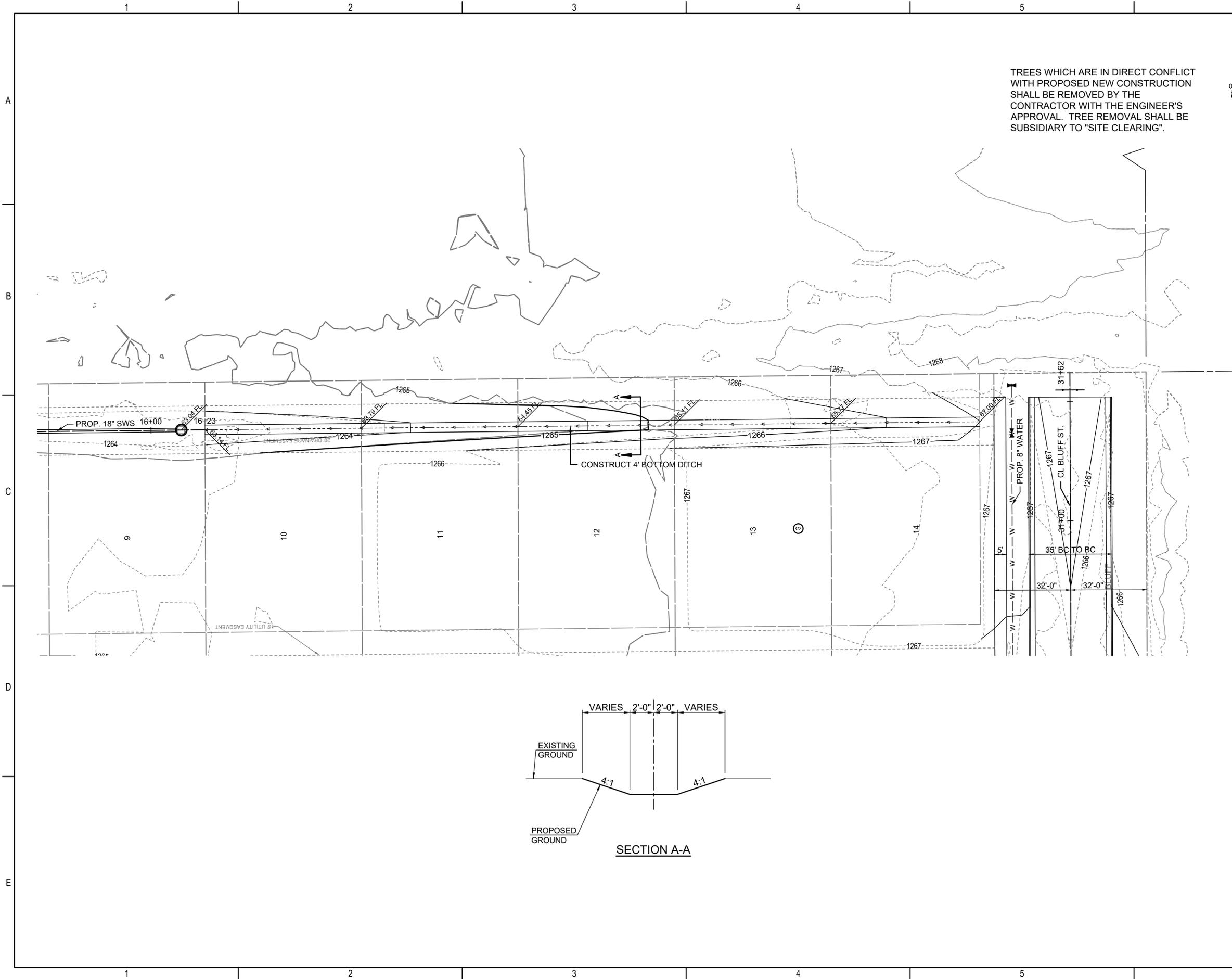
Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

RIPRAP DETAILS

CP508
44 OF 69

SAVED 9/18/2025 9:11:49 AM BY KEVIN GRAHAM
 PLOTTED 11/6/2025 12:43:17 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PPD4_PLANS\030\PAVING\45-200605-009-CG101 BACKYARD DRAINAGE PLAN.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

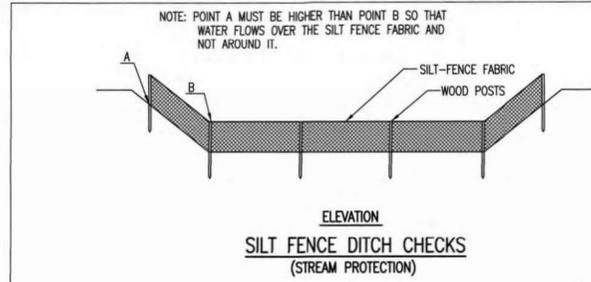
SWANEY FARM ADDITION
 PHASE 2

PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

BACKYARD DRAINAGE PLAN



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 UPSTREAM EDGE OF THE TRENCH. LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON 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 UPSTREAM 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.

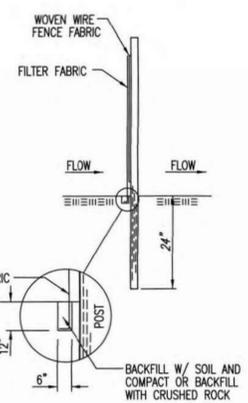
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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 UPSTREAM 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.

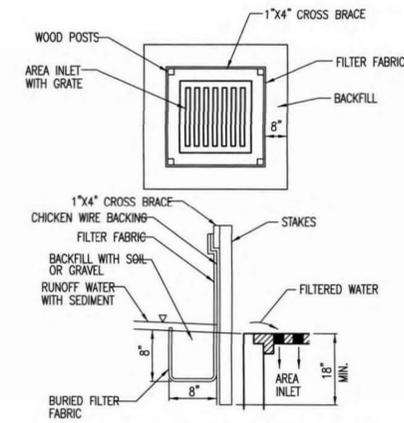
INSPECTION AND MAINTENANCE:

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.

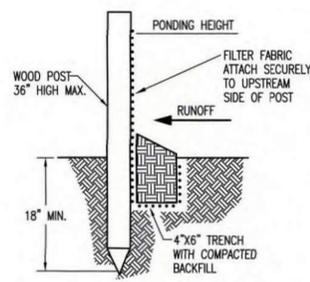
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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 RESISTED 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 SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE 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:

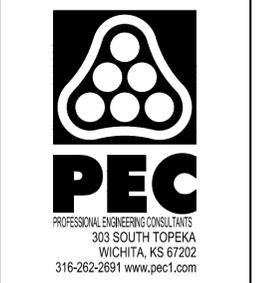
- ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
- DOES WATER FLOW UNDER THE SLOPE BARRIER?
- DO THE SILT FENCES SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

REVISION DATE: MAY 2013

SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER 472-2024-086027	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET 48 of 69



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
 SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

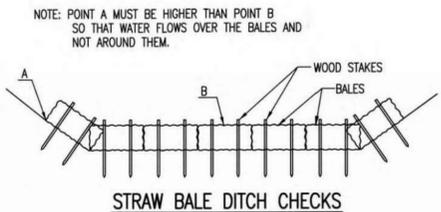
Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

SILT FENCE DITCH CHECK
CG502
 48 OF 69

SAVED 6/24/2025 10:22:26 AM BY BILL SEXSON
 PLOTTED 11/16/2025 12:43:49 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605010912PD4_PLANS\03010\PAVING\48-200605-009-CG502 SILT FENCE DITCH CHECK.DWG

Sewer 06-24-2025 10:22:26 AM by BILL SEXSON
 U:\Wichita-Civil\2020\200605010912PD4_PLANS\03010\PAVING\48-200605-009-CG502 SILT FENCE DITCH CHECK

SW-502



MATERIAL SPECIFICATION:
 BALE DITCH CHECKS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 OPTIONAL: THE DOWNSTREAM SCOUR APRON SHOULD BE CONSTRUCTED OF A DOUBLE-NETTED STRAW EROSION-CONTROL BLANKET AT LEAST 6' WIDE.
 OPTIONAL: THE METAL LANDSCAPE STAPLES USED TO ANCHOR THE EROSION-CONTROL BLANKET SHOULD BE AT LEAST 8" LONG.

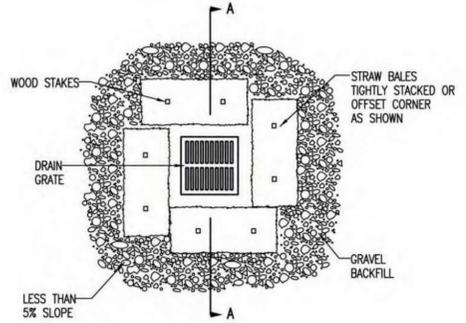
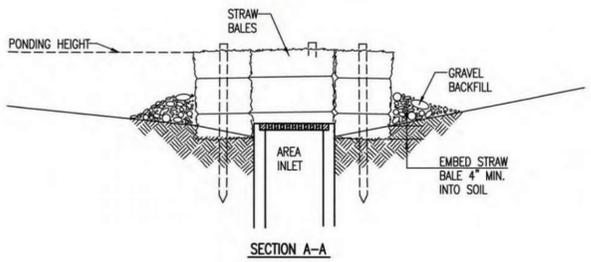
PLACEMENT:
 BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
 STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
 BALES 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 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 4" DEEP AND A BALE'S WIDTH 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—IT WILL BE USED LATER.
 OPTIONAL: ON THE DOWNSTREAM SIDE OF THE TRENCH, ROLL OUT A LENGTH OF EROSION-CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM EDGE OF THE EROSION-CONTROL BLANKET ALONG THE BOTTOM UPSTREAM EDGE OF THE TRENCH. THE EROSION CONTROL BLANKET SHOULD BE ANCHORED IN THE TRENCH WITH ONE ROW OF 8" LANDSCAPE STAPLES PLACED ON 18" CENTERS. THE REMAINDER OF THE EROSION-CONTROL BLANKET (THE PORTION THAT IS NOT LYING IN THE TRENCH) WILL SERVE AS THE DOWNSTREAM SCOUR APRON. THIS SECTION OF THE BLANKET SHOULD BE ANCHORED TO THE GROUND WITH 8" LANDSCAPE STAPLES PLACED AROUND THE PERIMETER OF THE BLANKET ON 18" CENTERS. THE REMAINDER OF THE BLANKET SHOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES ON 18" CENTERS PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSTREAM SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP AND EXTEND UPSTREAM NO MORE THAN 24".

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:
 DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
 DO NOT PLACE BALE 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 CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE.
 DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
 BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

INSPECTION AND MAINTENANCE:
 BALE 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 UNDER THE DITCH CHECK?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



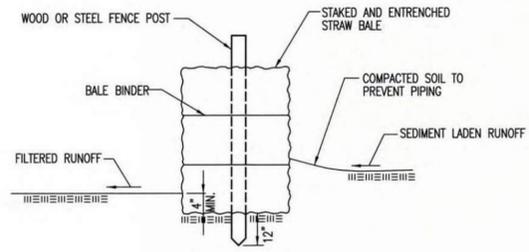
MATERIAL SPECIFICATION:
 BALE AREA INLET BARRIERS SHOULD BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:
 BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET. WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRAMATICALLY 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 4" DEEP BY A BALE'S WIDTH WIDE.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS.
 STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.
 NOTE: WHEN A BALE AREA INLET BARRIER 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:
 BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR.
 BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:
 BALE AREA INLET BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:
 DOES WATER FLOW UNDER THE AREA INLET BARRIER?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



MATERIAL SPECIFICATION:
 BALE SLOPE BARRIERS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE. THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
 TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:
 A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
 WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
 BALE 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 4" DEEP AND A BALE'S WIDTH 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.
 PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
 ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:
 WHEN PRACTICAL, DO NOT PLACE BALE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. CONCENTRATED FLOW OVER A SLOPE BARRIER CREATES A SCOUR HOLE ON THE DOWNSLOPE SIDE OF THE BARRIER. THE SCOUR HOLE EVENTUALLY UNDERMINES THE BALES AND THE BARRIER FAILS.
 DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
 BALE SLOPE BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:
 BALE 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?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

REVISION DATE: MAY 2013

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STRAW BALE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER: 472-2024-086027
OCA NUMBER: _____
DATE: _____

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

SHEET
49 of 69



Saved: 06/24/2025 10:23:42 AM BY BILL SEXSON
 Plotted: 11/16/2025 12:43:54 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\2006050109\2PPD4_PLANS\0301PAVING\9-200605-009-CG503 STRAW BALE DITCH CHECK.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

PAUL GUNZELMAN CITY ENGINEER
CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

STRAW BALE DITCH CHECK

CG503
49 OF 69

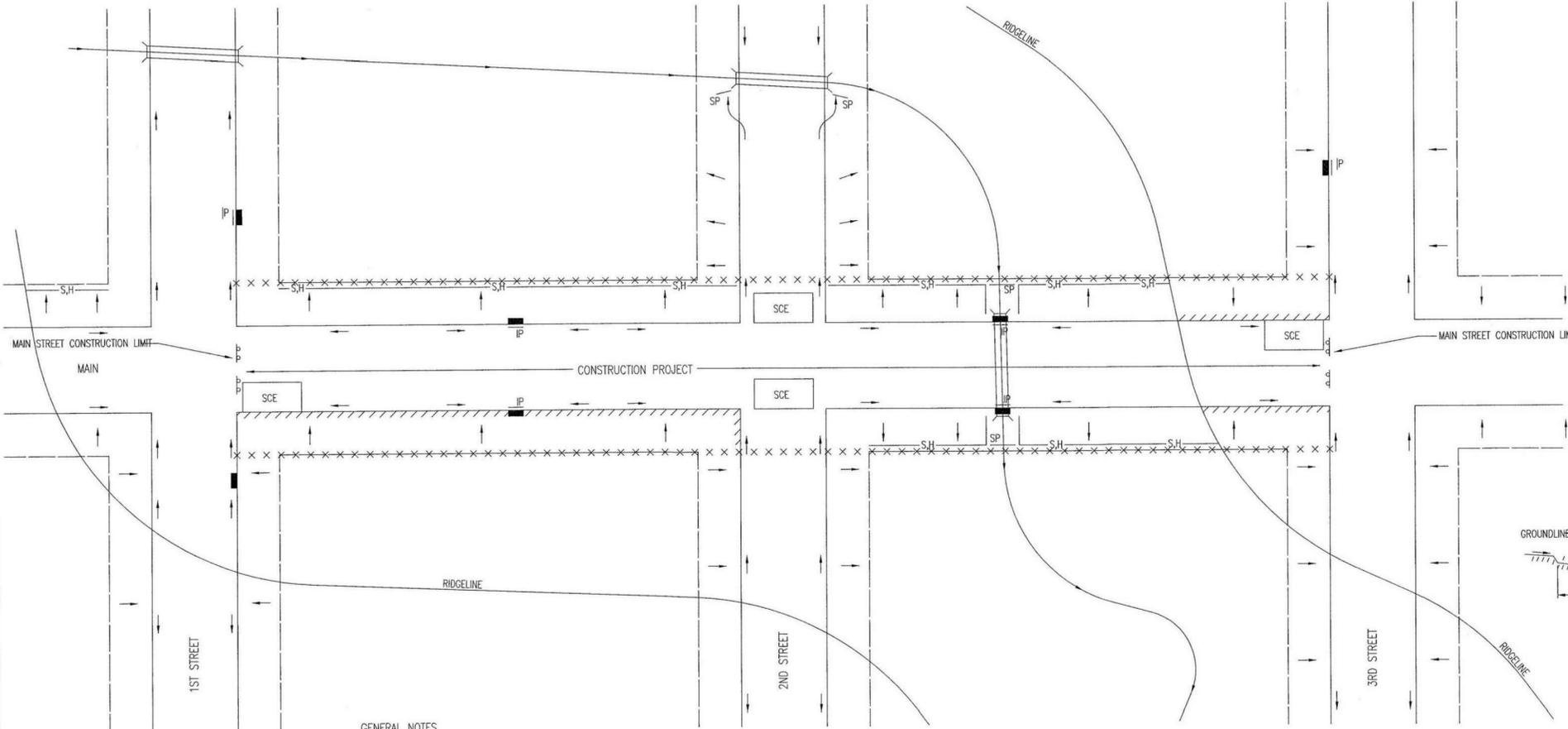
Saved: 6/24/2025 10:23:42 AM BY BILL SEXSON
 Plotted: 11/16/2025 12:43:54 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\2006050109\2PPD4_PLANS\0301PAVING\9-200605-009-CG503 STRAW BALE DITCH CHECK.DWG

SAVED 6/24/2025 10:28:24 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:43:58 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\50-200605-009-CG504 STREET IMPROVEMENT PROJECTS.DWG

Scale: 06-24-2025 10:28:24 AM by BILL SEXSON
 Plot Scale: 1" = 1'-0" 06-2025 12:43:58 PM by KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\50-200605-009-CG504 STREET IMPROVEMENT PROJECTS

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.

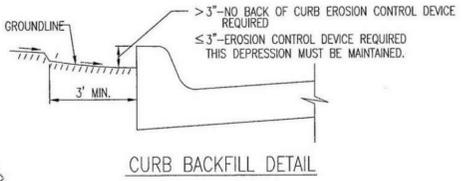


LEGEND

- 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 BMP'S 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	OCA NUMBER	DATE
472-2024-086027		
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		50 of 69



REVISION: JUNE 2015

SW-504



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

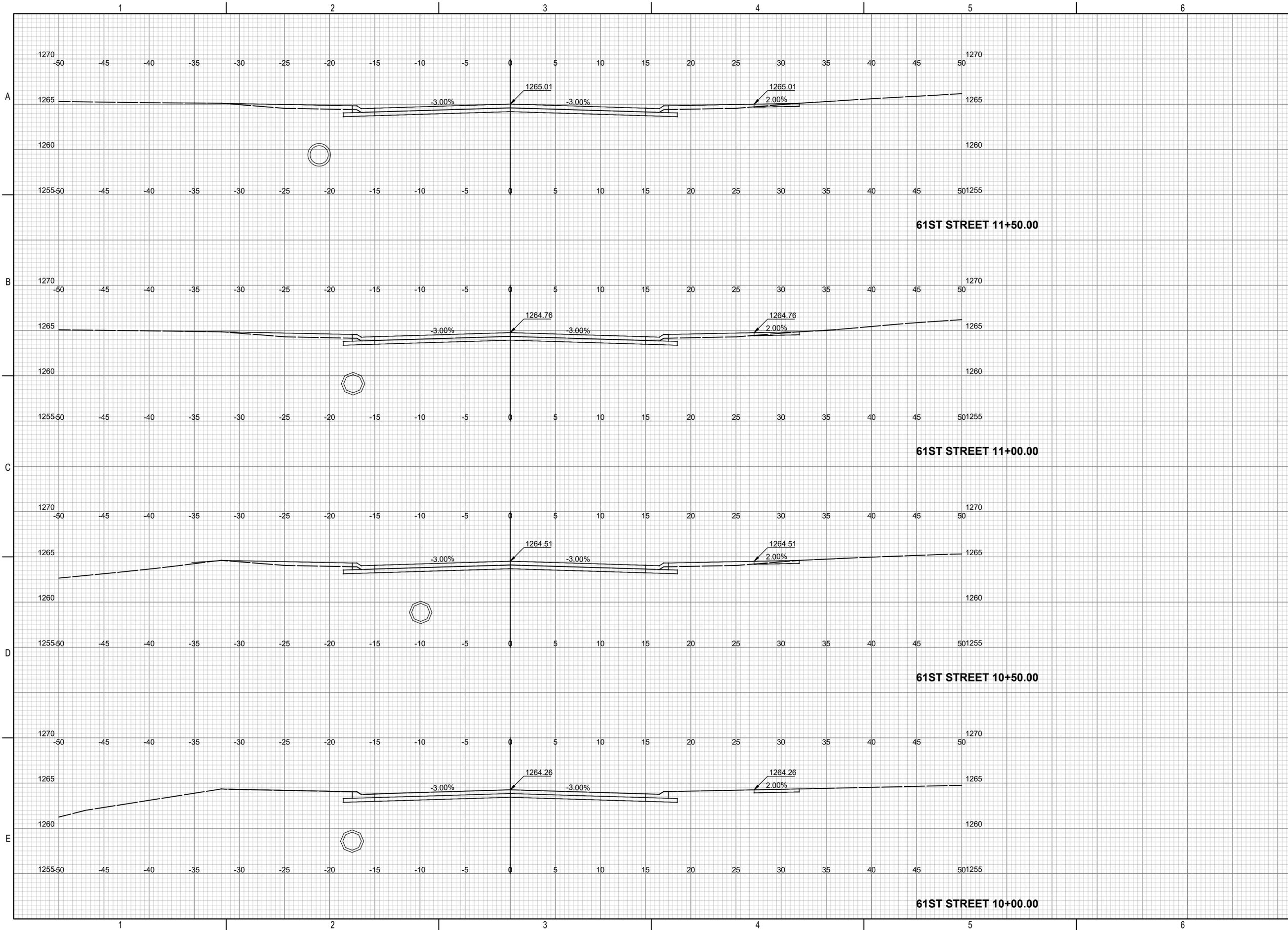
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	
JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

STREET IMPROVEMENT PROJECTS

CG504
50 OF 69

SAVED 5/28/2025 11:08:03 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:44:20 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\52-200605-009-CX601_CROSS SECTIONS-61ST STREET.DWG



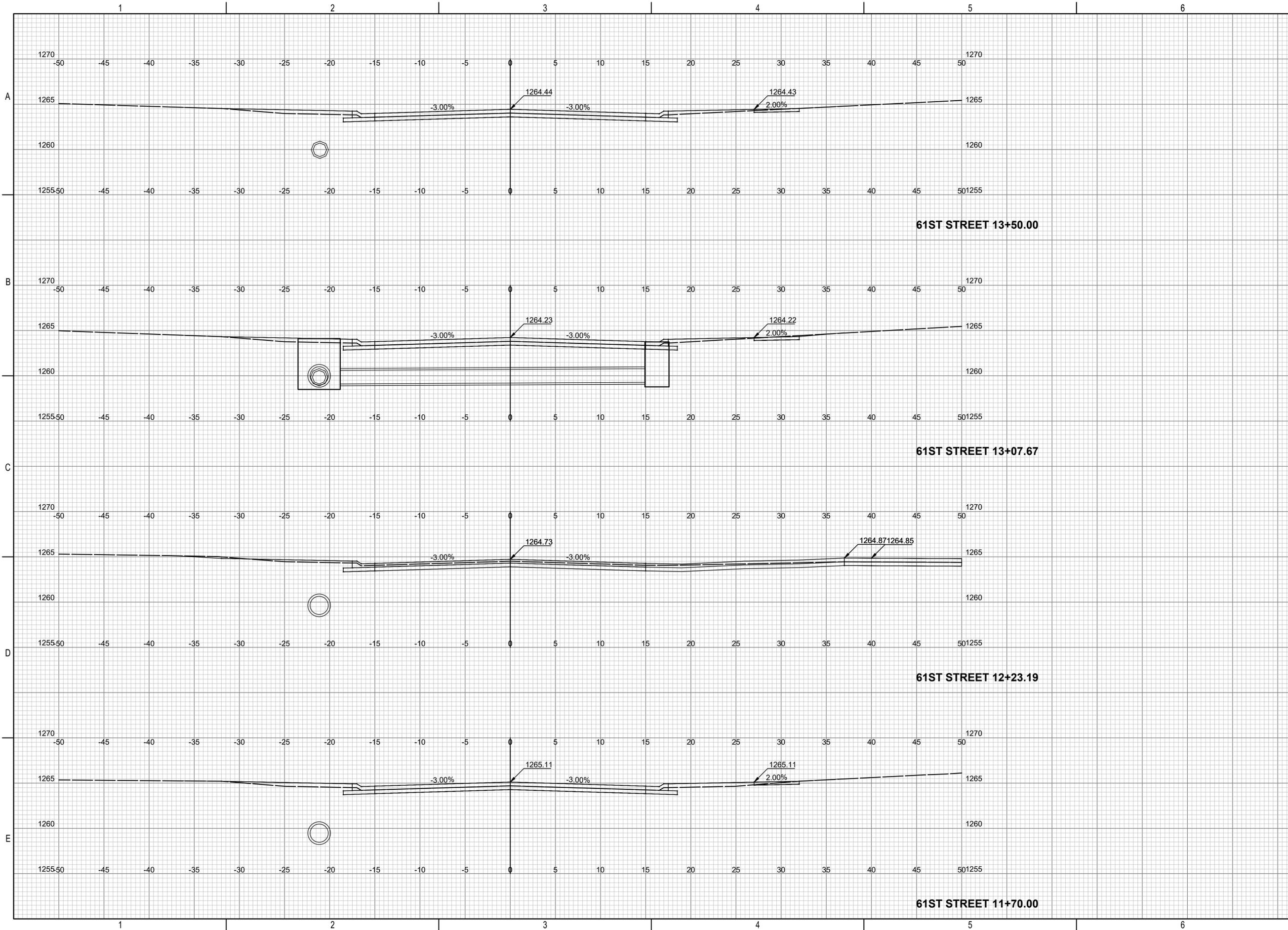
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-61ST STREET

SAVED 5/28/2025 9:21:57 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:44:40 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\53-200605-009-CX602 CROSS SECTIONS-61ST STREET.DWG



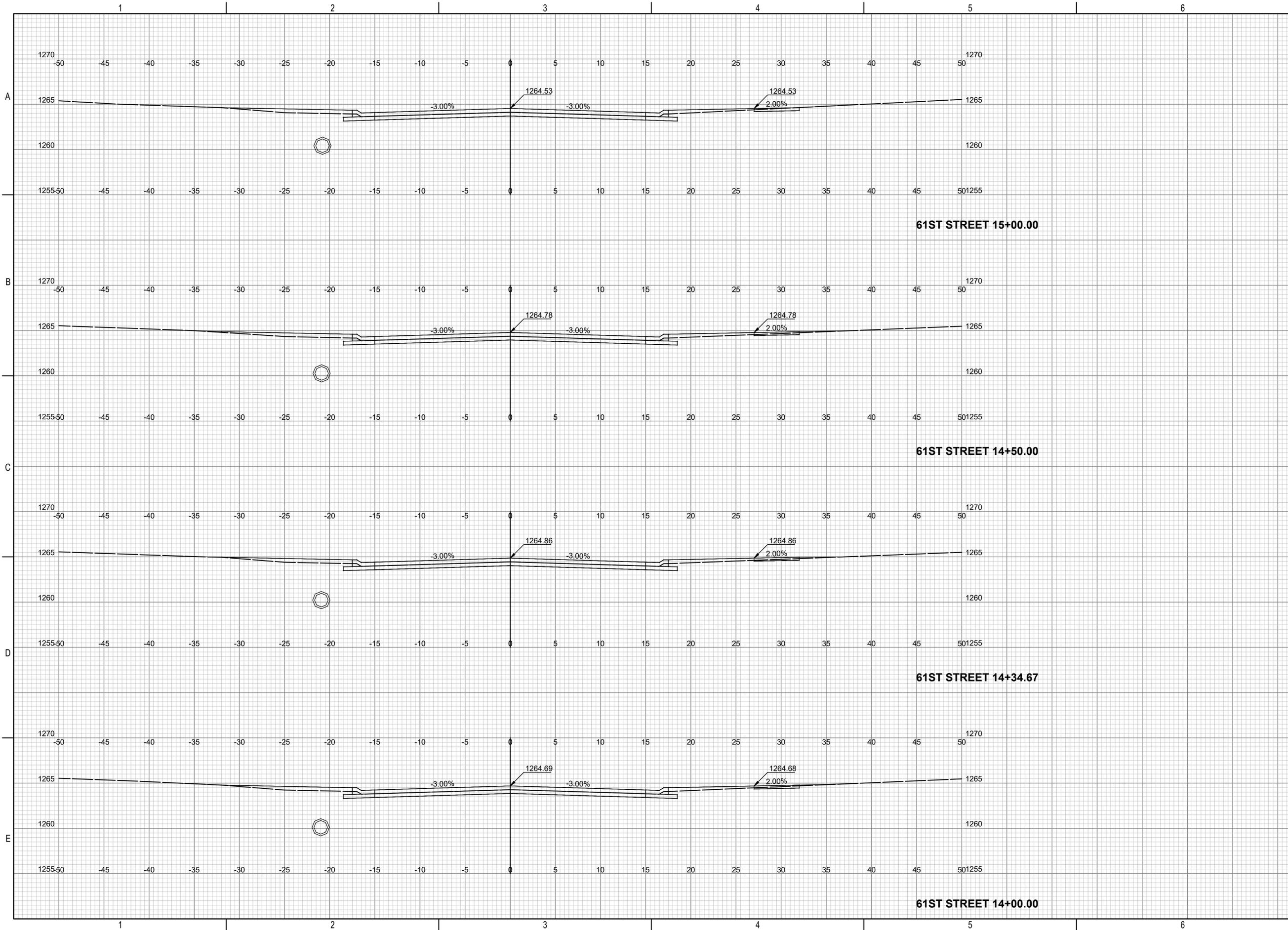
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-61ST STREET

SAVED 5/28/2025 9:26:12 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:44:54 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\64-200605-009-CX603 CROSS SECTIONS-61ST STREET.DWG



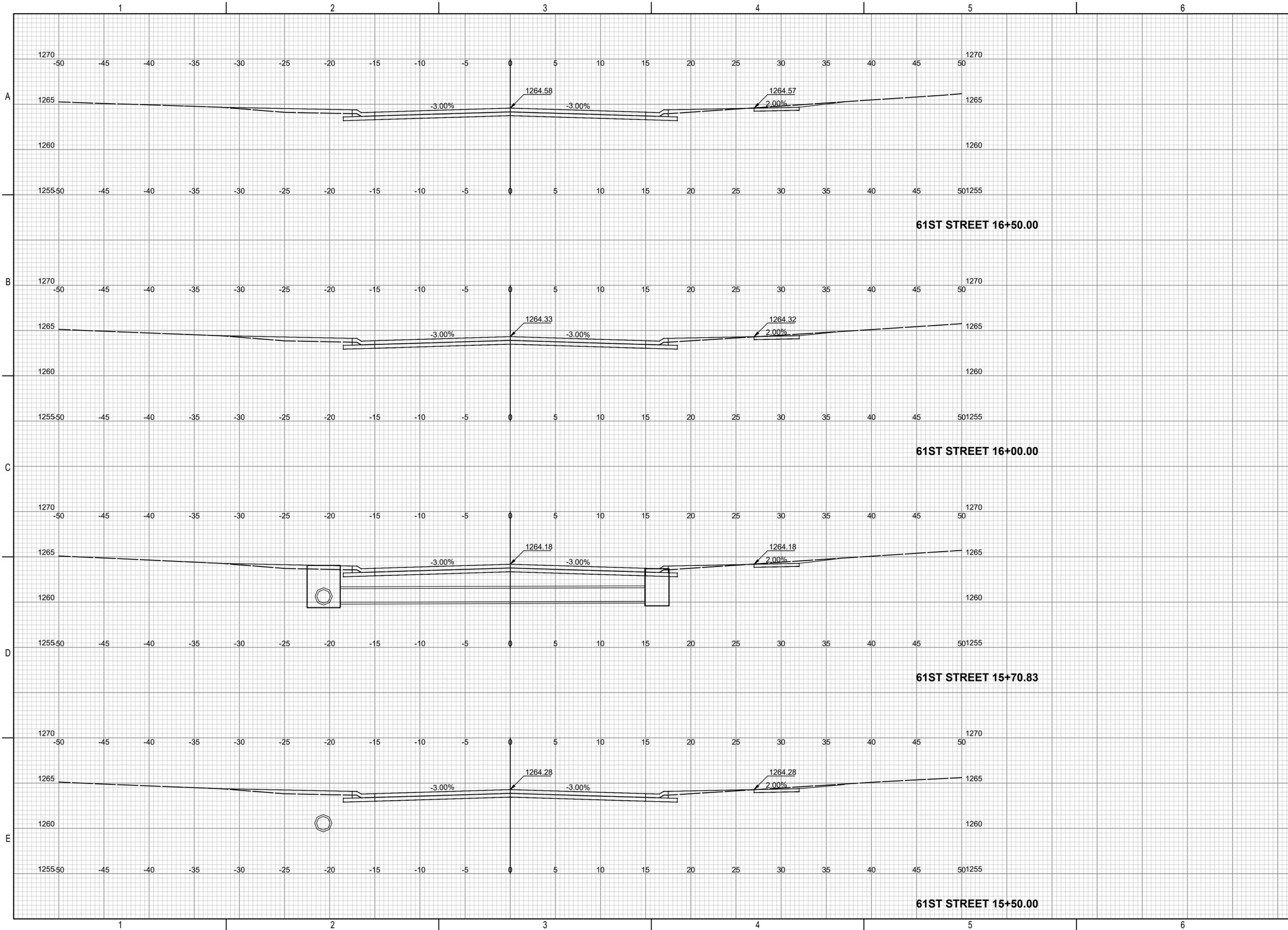
PAYING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-61ST STREET

SAVED 5/28/2025 11:03:23 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:45:07 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060509\2PD4_PLANS\030\PAVING\55-200605-009-CX604 CROSS SECTION-61ST
 STREET.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

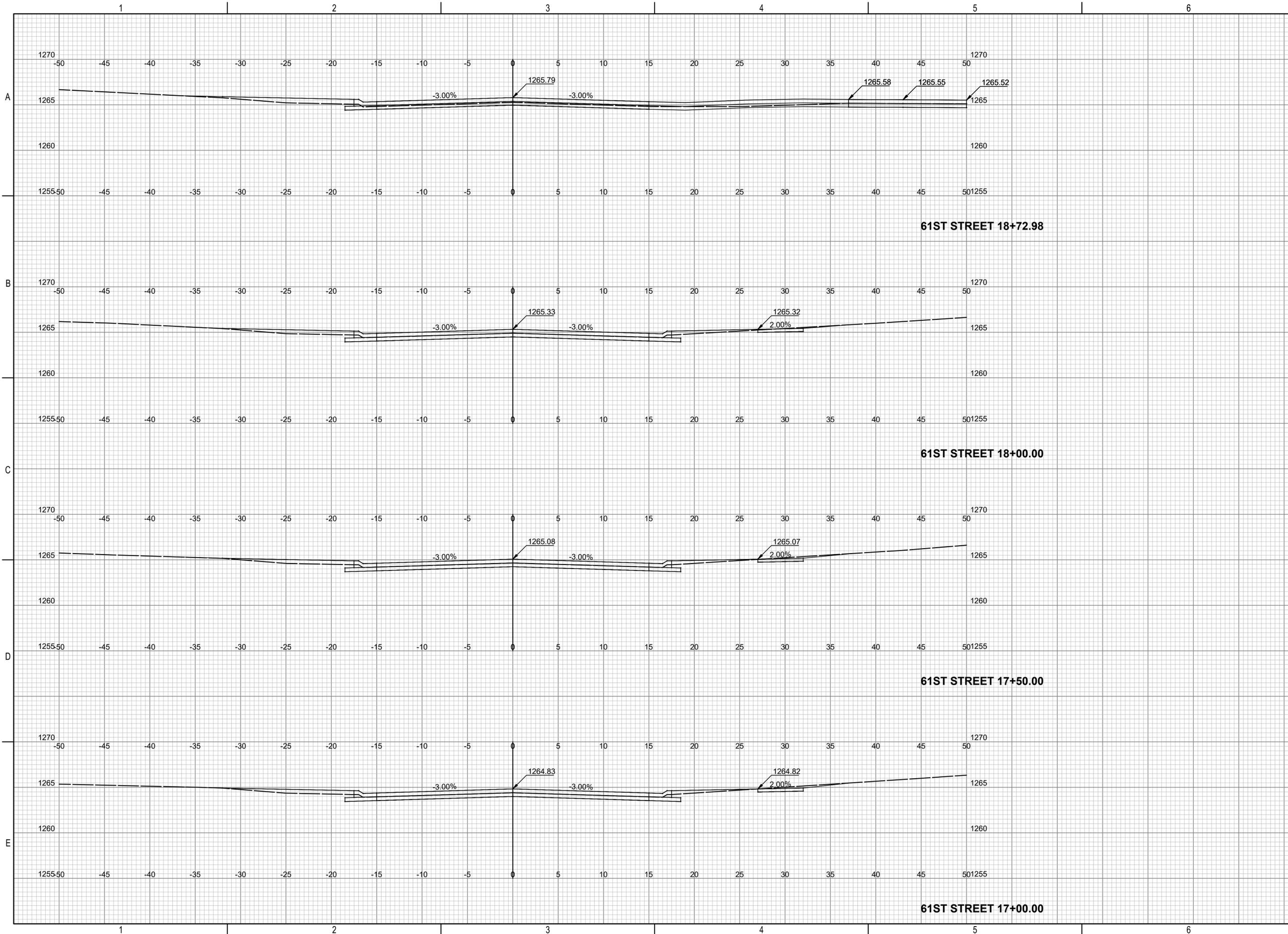
Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTION-61ST STREET

CX604
55 OF 69

SAVED 5/28/2025 11:03:25 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:45:26 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\56-200605-009-CX605 CROSS SECTIONS-61ST STREET.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION
 PHASE 2

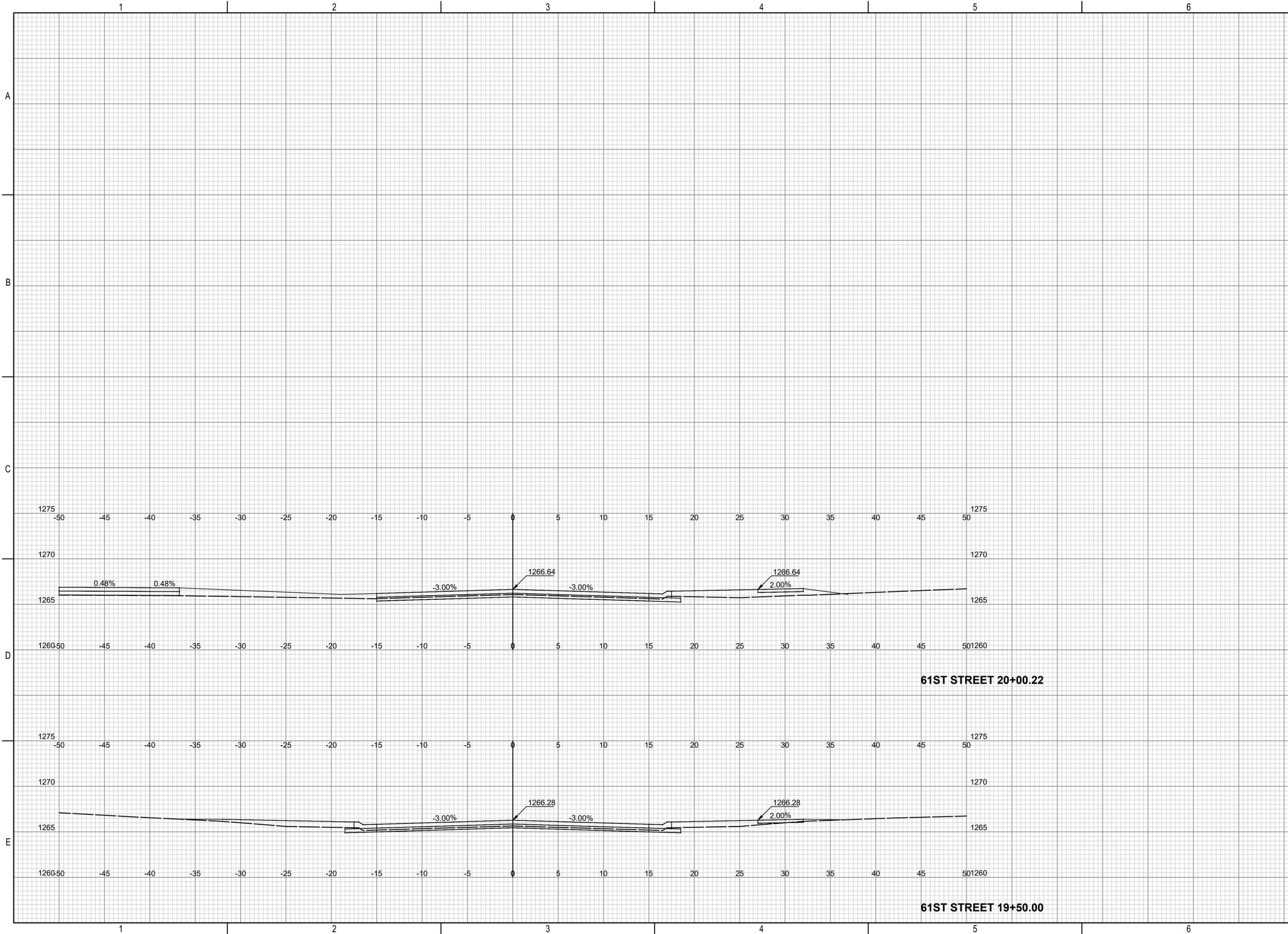
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-61ST STREET

SAVED 5/28/2025 11:03:30 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:45:45 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\57-200605-009-CX606 CROSS SECTIONS-61ST STREET.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

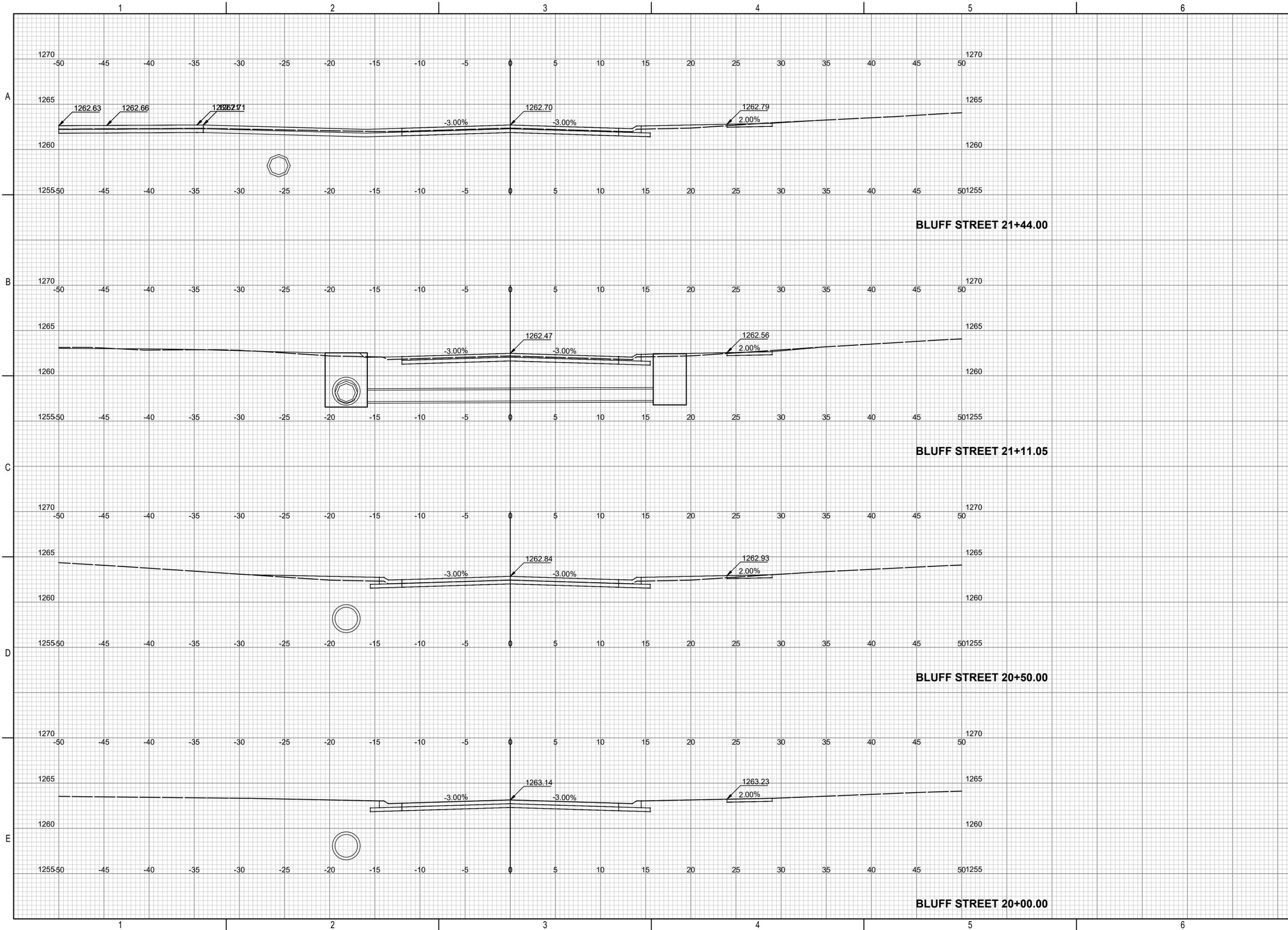
Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-61ST STREET

CX606
57 OF 69

SAVED 5/28/2025 9:48:49 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:45:58 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\58-200605-009-CX607_CROSS SECTIONS-BLUFF STREET.DWG



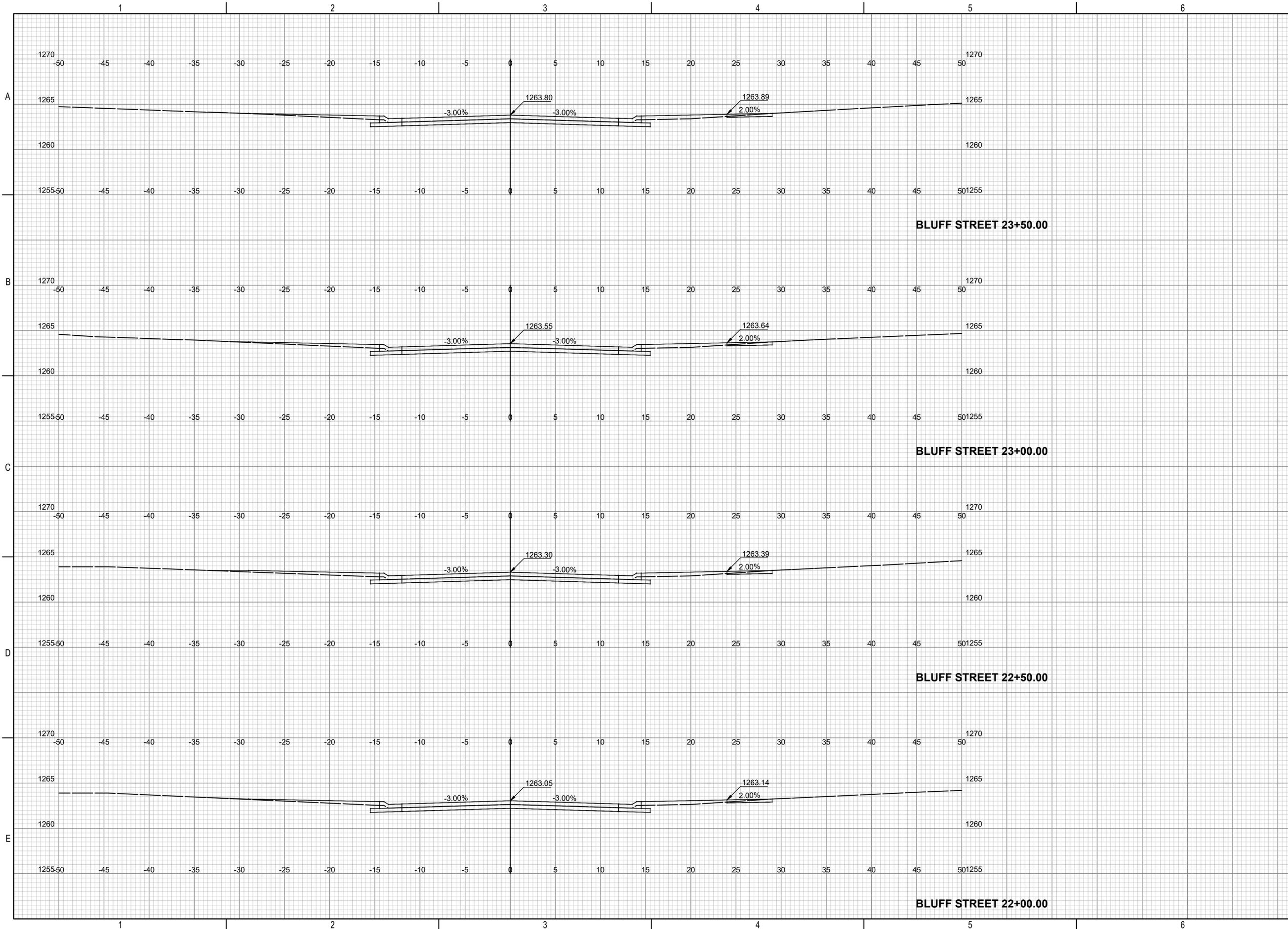
PAYING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-BLUFF STREET

SAVED 5/28/2025 9:54:28 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:46:15 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\59-200605-009-CX608 CROSS SECTIONS-BLUFF
 STREET.DWG



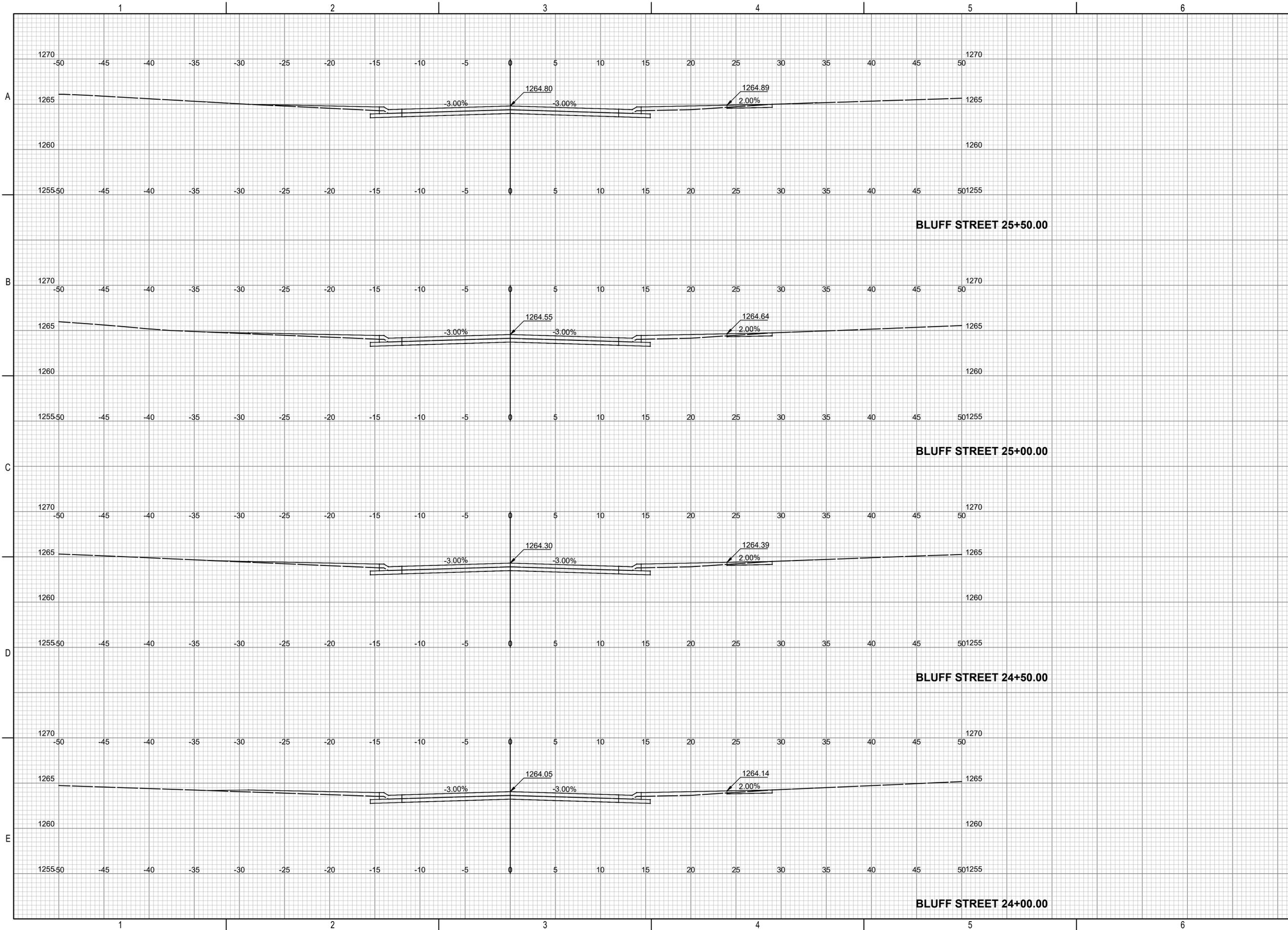
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-BLUFF STREET

SAVED 5/28/2025 10:00:08 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:46:27 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\60-200605-009-CX609 CROSS SECTIONS-BLUFF STREET.DWG



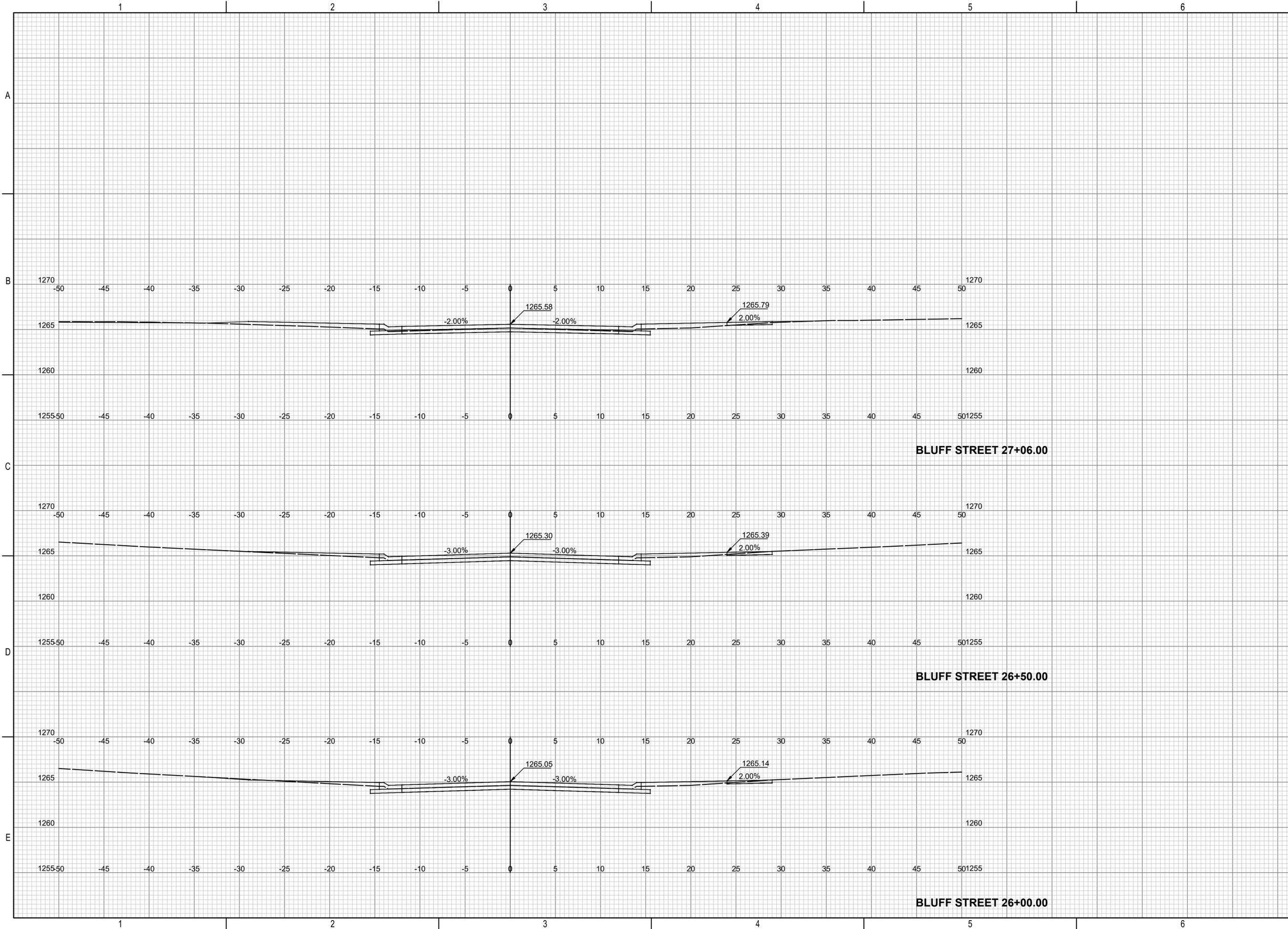
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-BLUFF STREET

SAVED 5/28/2025 10:10:35 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:46:45 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\61-200605-009-CX610 CROSS SECTIONS-BLUFF STREET.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

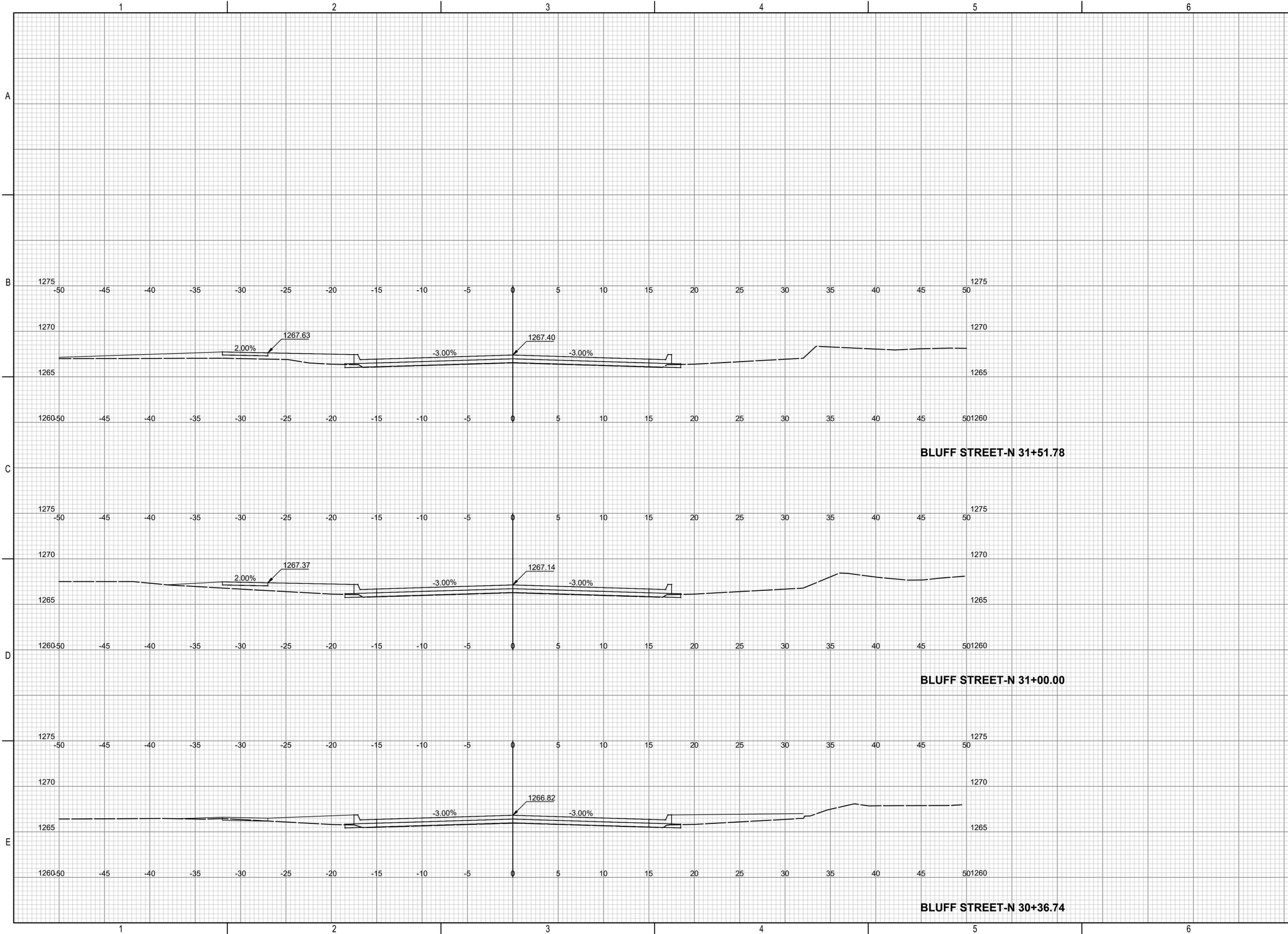
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-BLUFF STREET

SAVED 5/28/2025 10:18:17 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:46:57 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\62-200605-009-CX611 CROSS SECTIONS-BLUFF STREET
 N.DWG



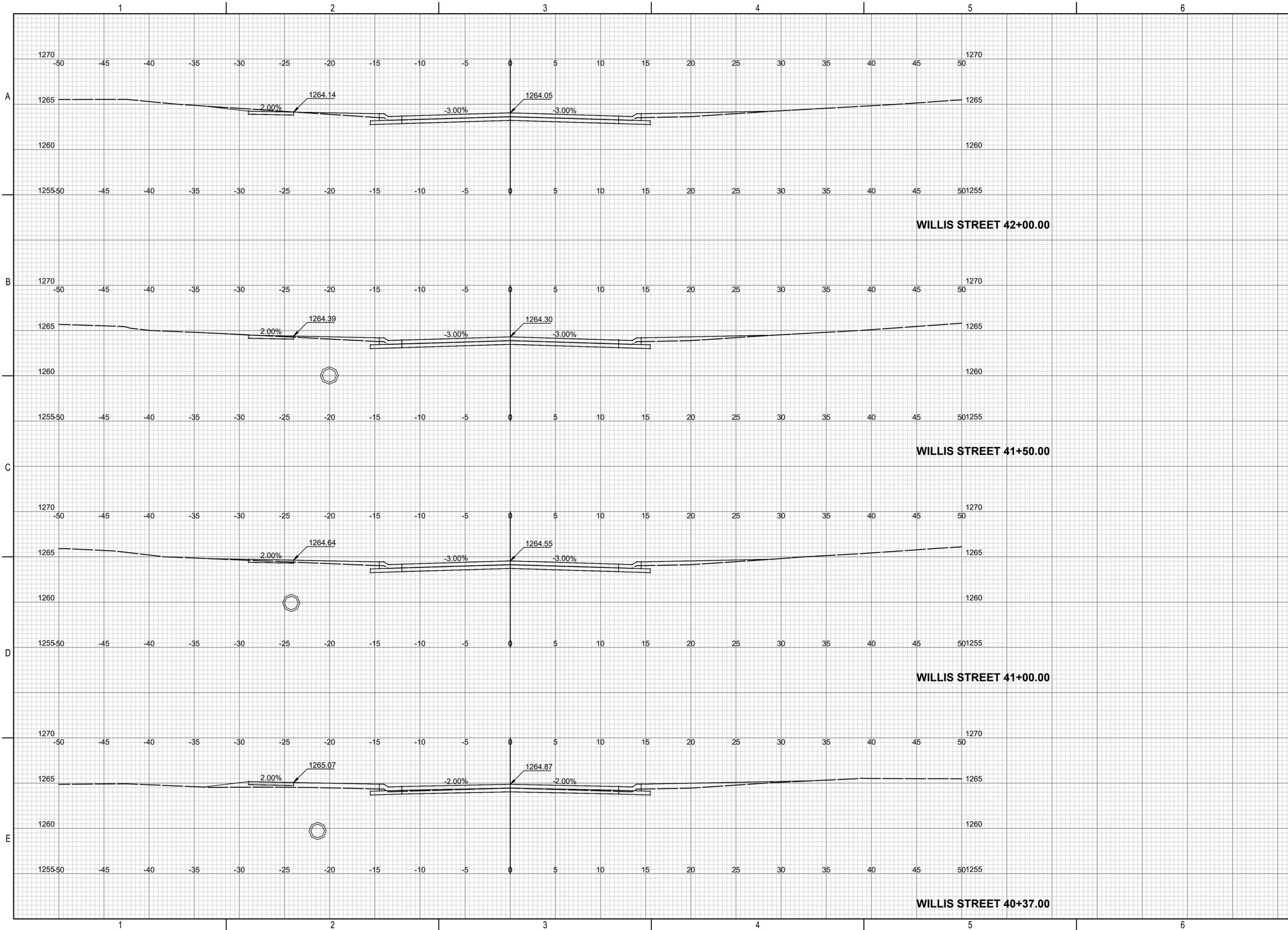
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-BLUFF STREET N

SAVED 5/28/2025 10:24:09 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:47:14 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\63-200605-009-CX612 CROSS SECTIONS-WILLIS STREET.DWG



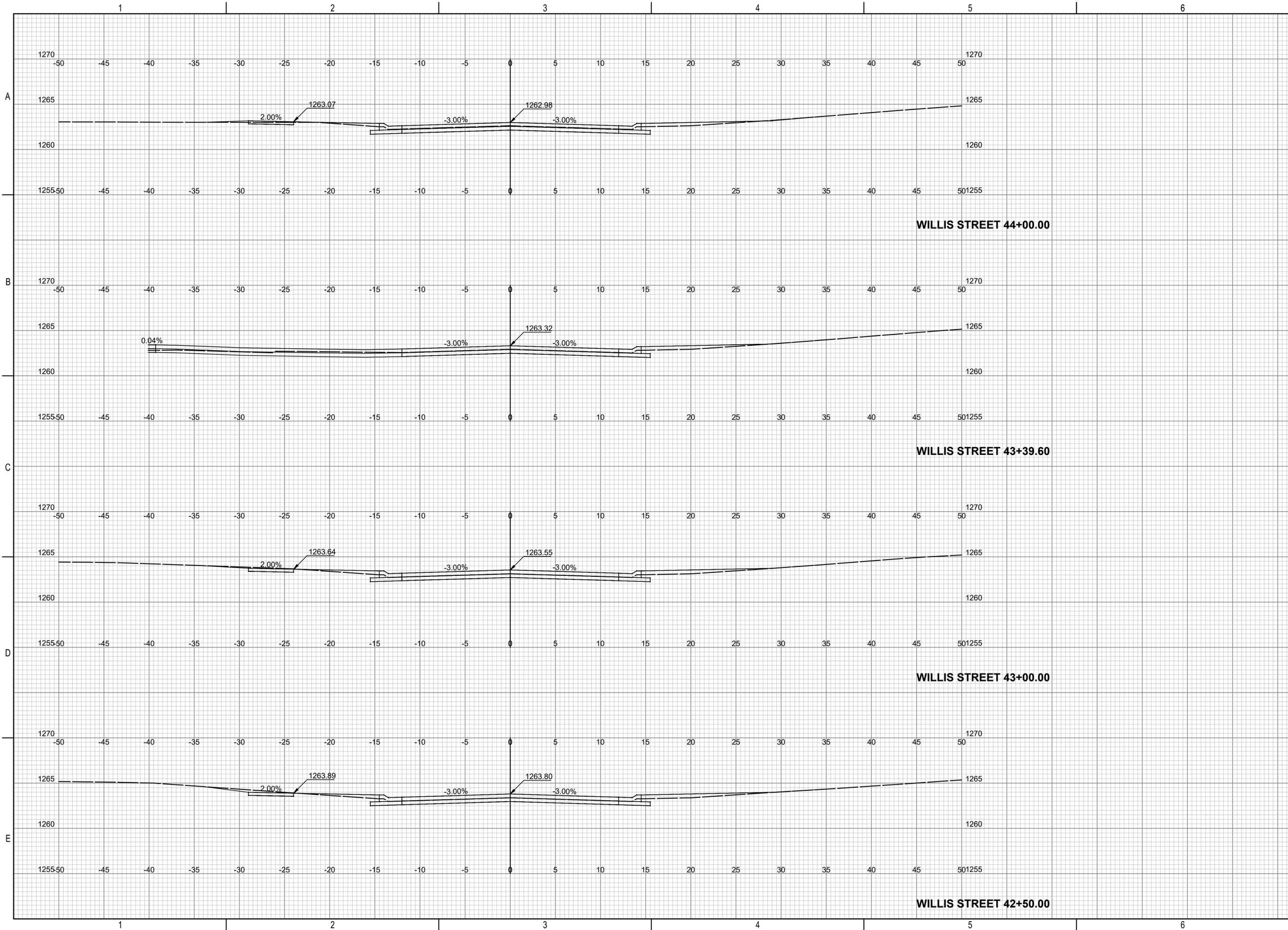
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS STREET

SAVED 5/28/2025 10:29:38 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:47:28 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\64-200605-009-CX613 CROSS SECTIONS-WILLIS STREET.DWG



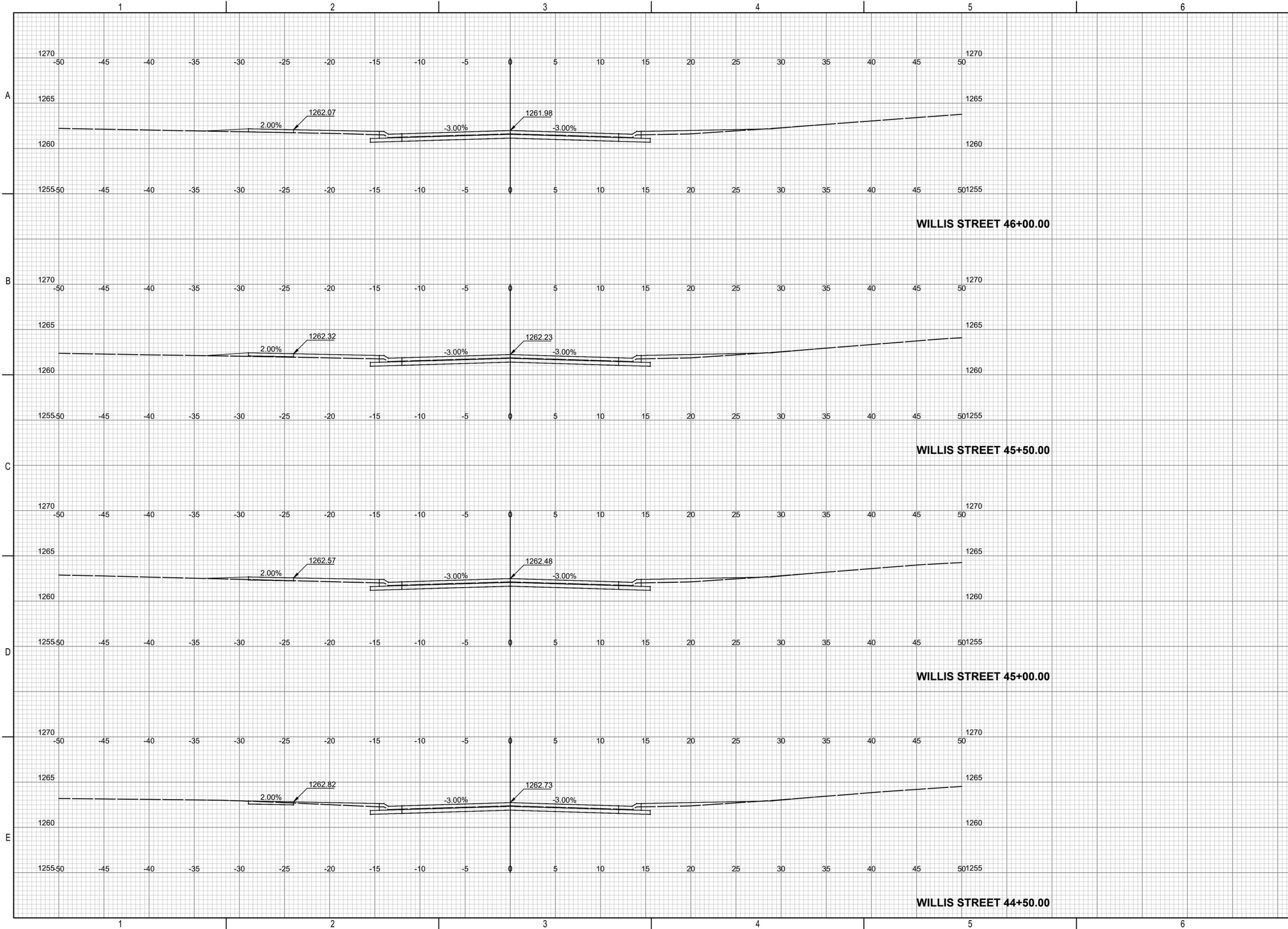
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS STREET

SAVED 5/28/2025 10:36:09 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:47:44 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\65-200605-009-CX614 CROSS SECTIONS-WILLIS STREET.DWG



PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS

SWANEY FARM ADDITION PHASE 2

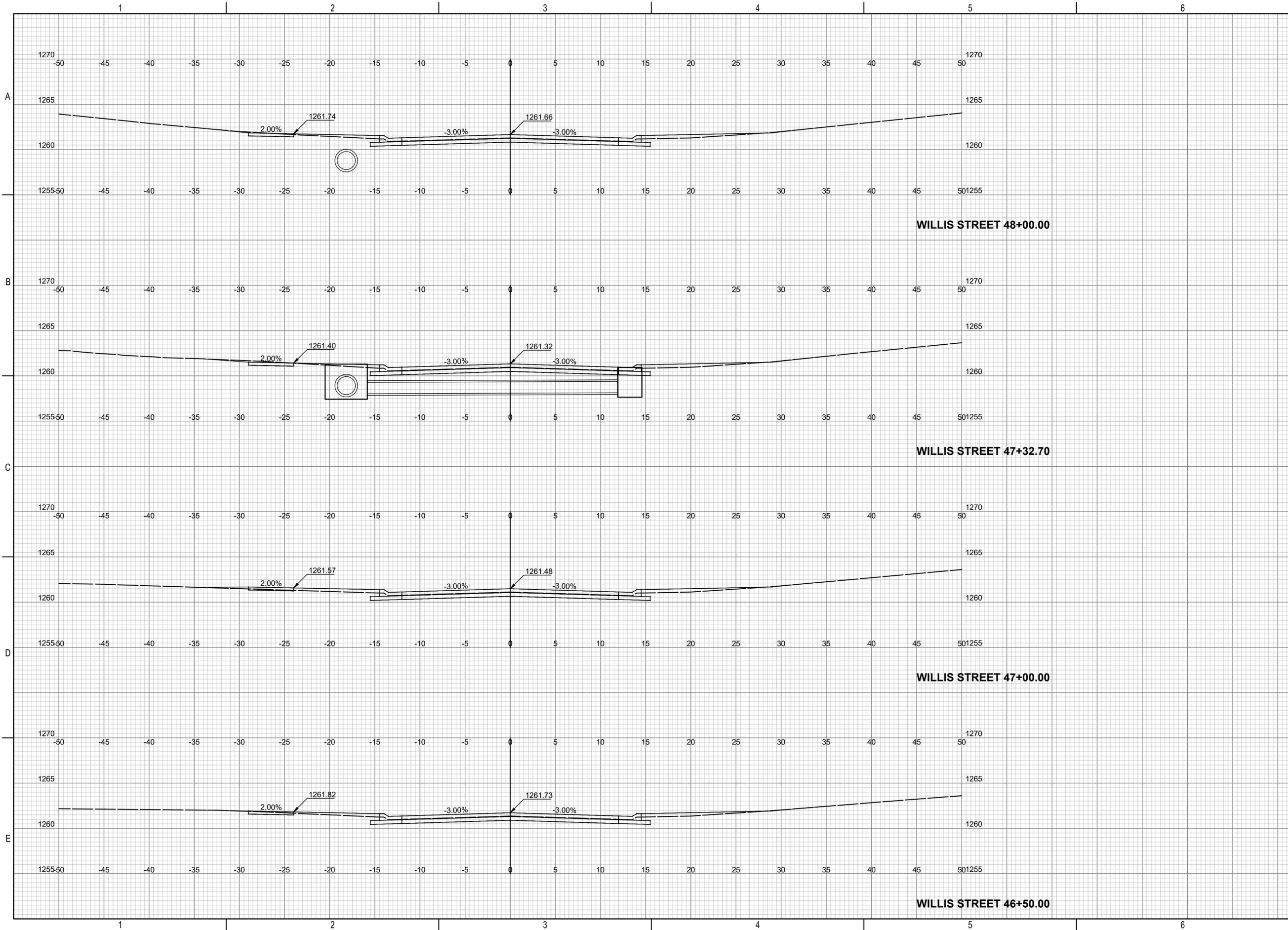
PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS STREET

SAVED 5/28/2025 10:42:33 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:47:58 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060510\0912PD4_PLANS\030\PAVING\66-200605-009-CX615 CROSS SECTIONS-WILLIS STREET.DWG



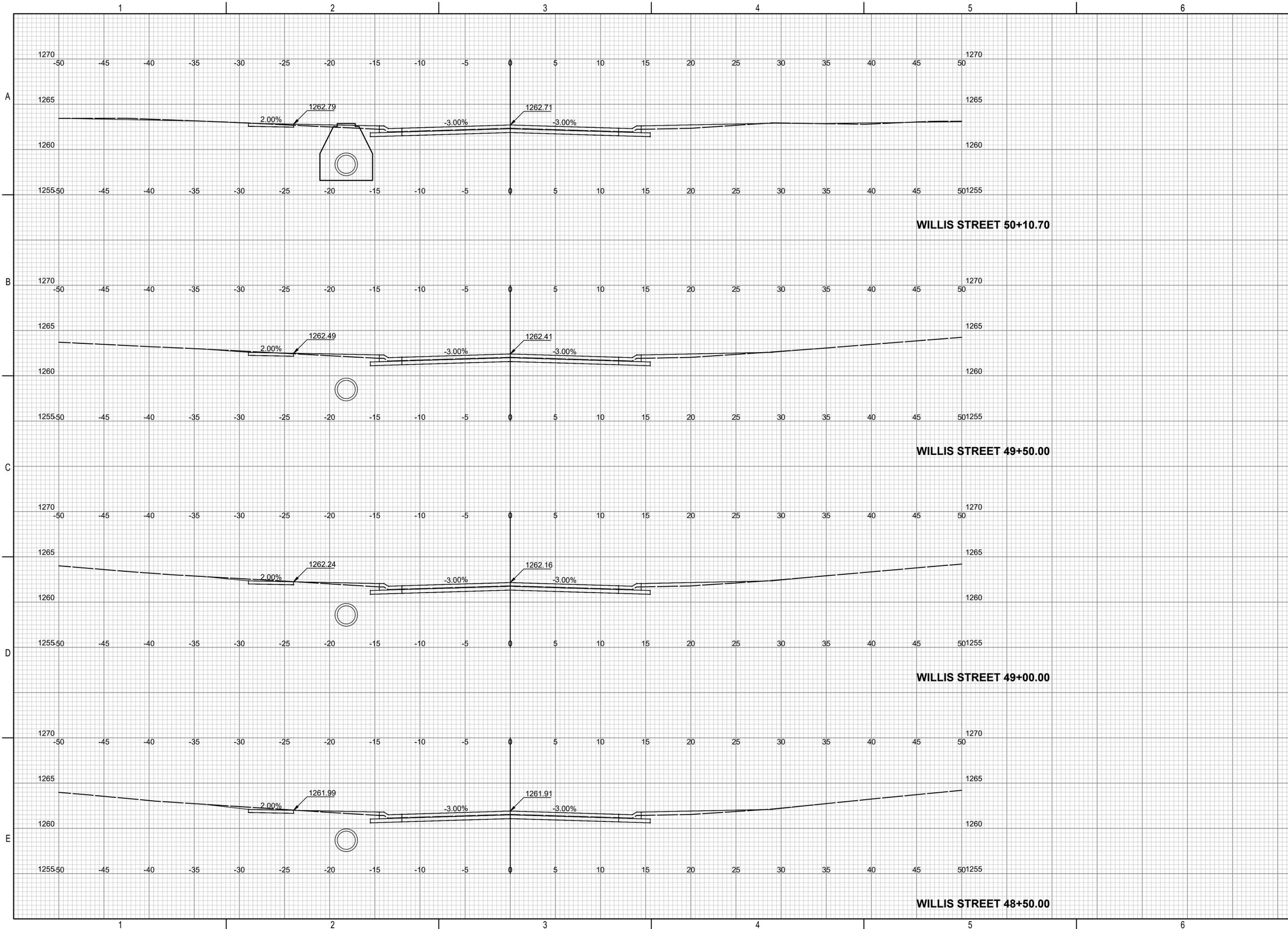
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS STREET

SAVED 5/28/2025 10:47:10 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:48:14 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\200605\09\2PD4_PLANS\030\PAVING\67-200605-009-CX616 CROSS SECTIONS-WILLIS STREET.DWG



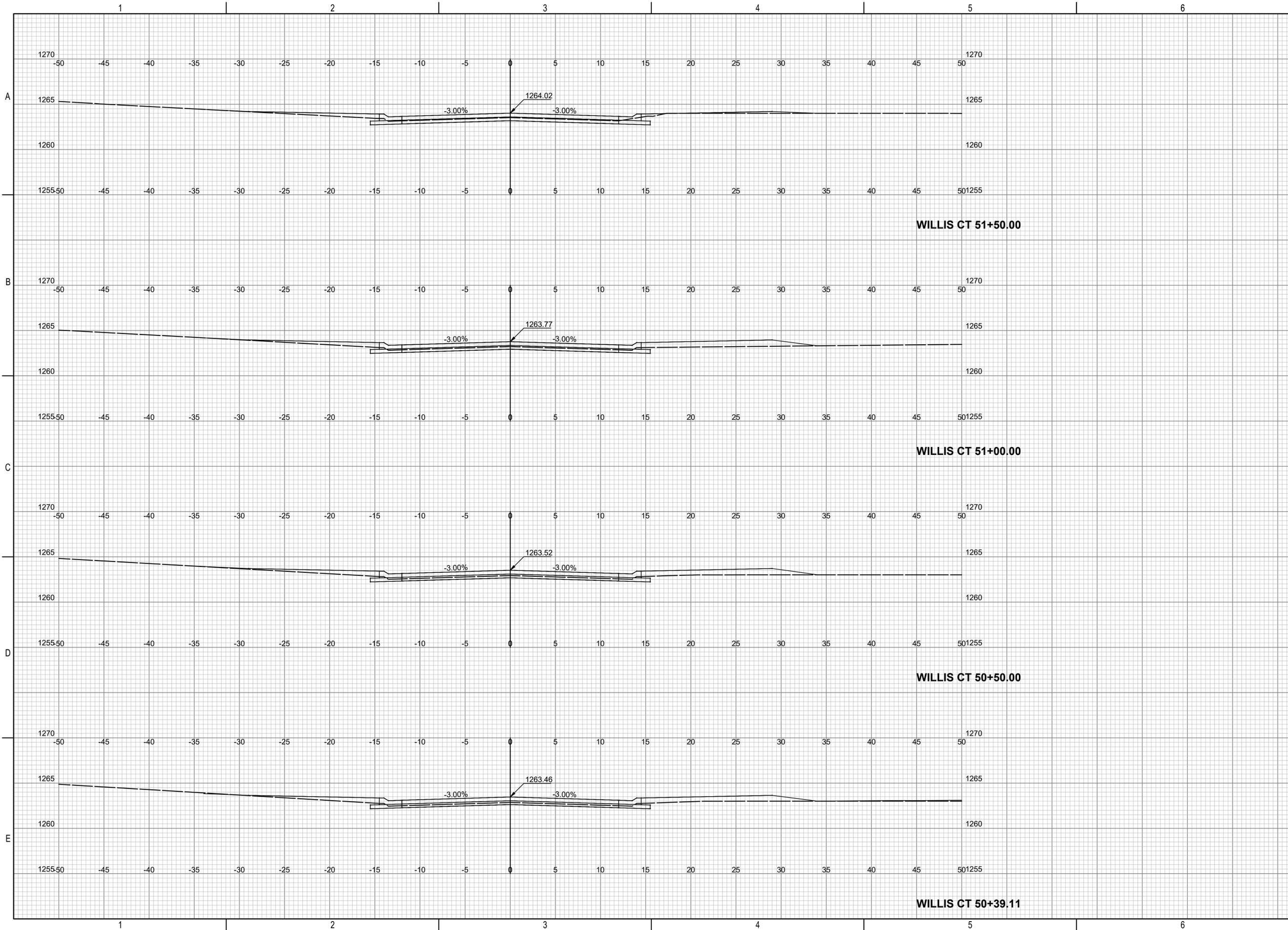
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS STREET

SAVED 5/28/2025 10:51:39 AM BY BILL_SEXSON
 PLOTTED 11/6/2025 12:48:27 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060509\2PD4_PLANS\030\PAVING\68-200605-009-CX617 CROSS SECTIONS-WILLIS COURT.DWG



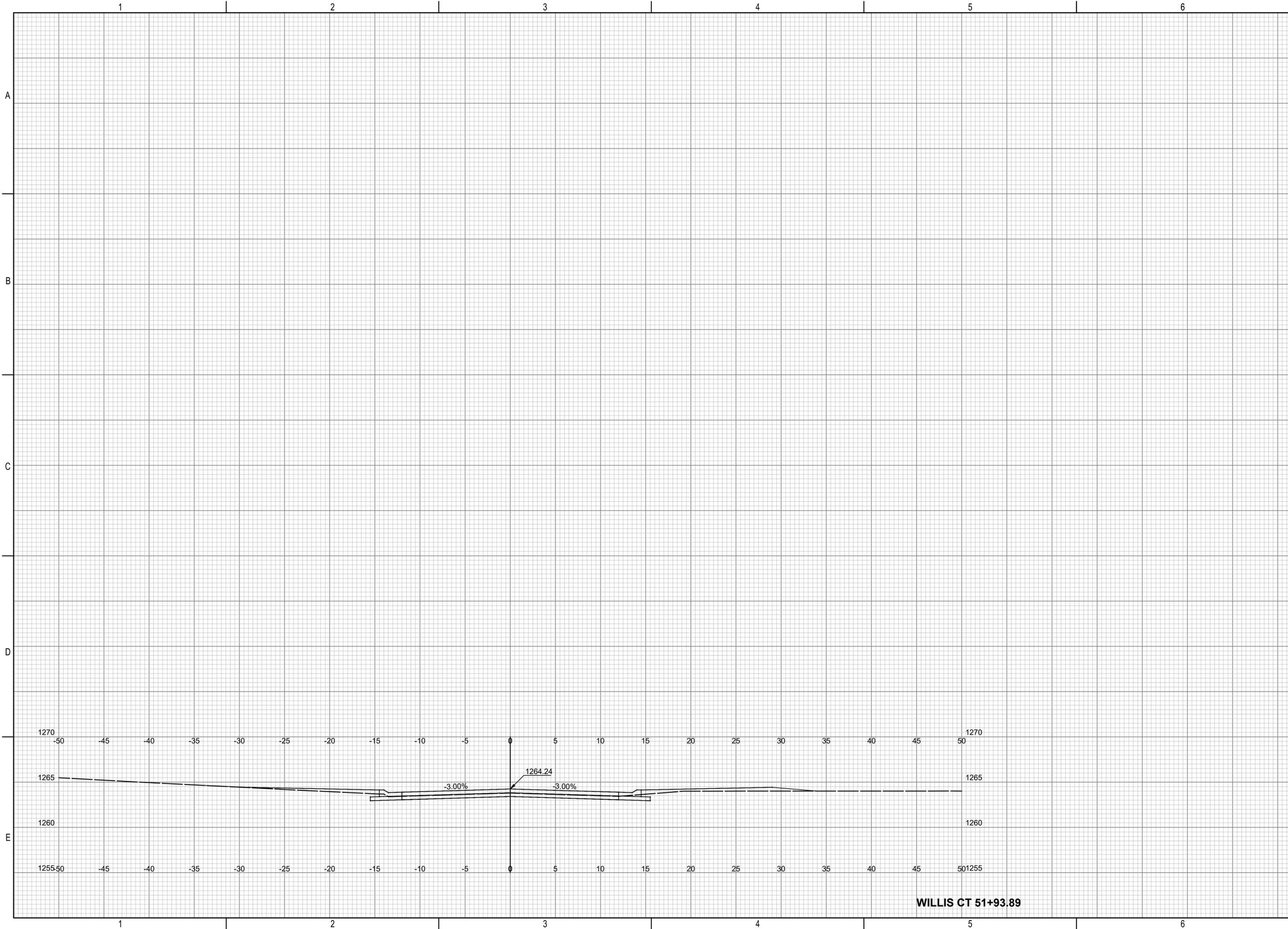
PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
SWANEY FARM ADDITION PHASE 2
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:		

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS COURT

SAVED 5/28/2025 10:59:51 AM BY BILL SEXSON
 PLOTTED 11/6/2025 12:48:44 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2020\20060509\2PD4_PLANS\030\PAVING\69-200605-009-CX618 CROSS SECTIONS-WILLIS
 COURT.DWG



PAVING AND INCIDENTAL DRAINAGE
 IMPROVEMENTS
**SWANEY FARM ADDITION
 PHASE 2**
 PAUL GUNZELMAN CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 472-2024-086027

Issue:	

JOB NO.	200605-009
DATE	NOVEMBER 2025
PM	KPG
DESIGNED BY	KPG
DRAWN BY	BJS
CHECKED BY	CSB

CROSS SECTIONS-WILLIS
 COURT

CX618
 69 OF 69