

CITY OF WICHITA

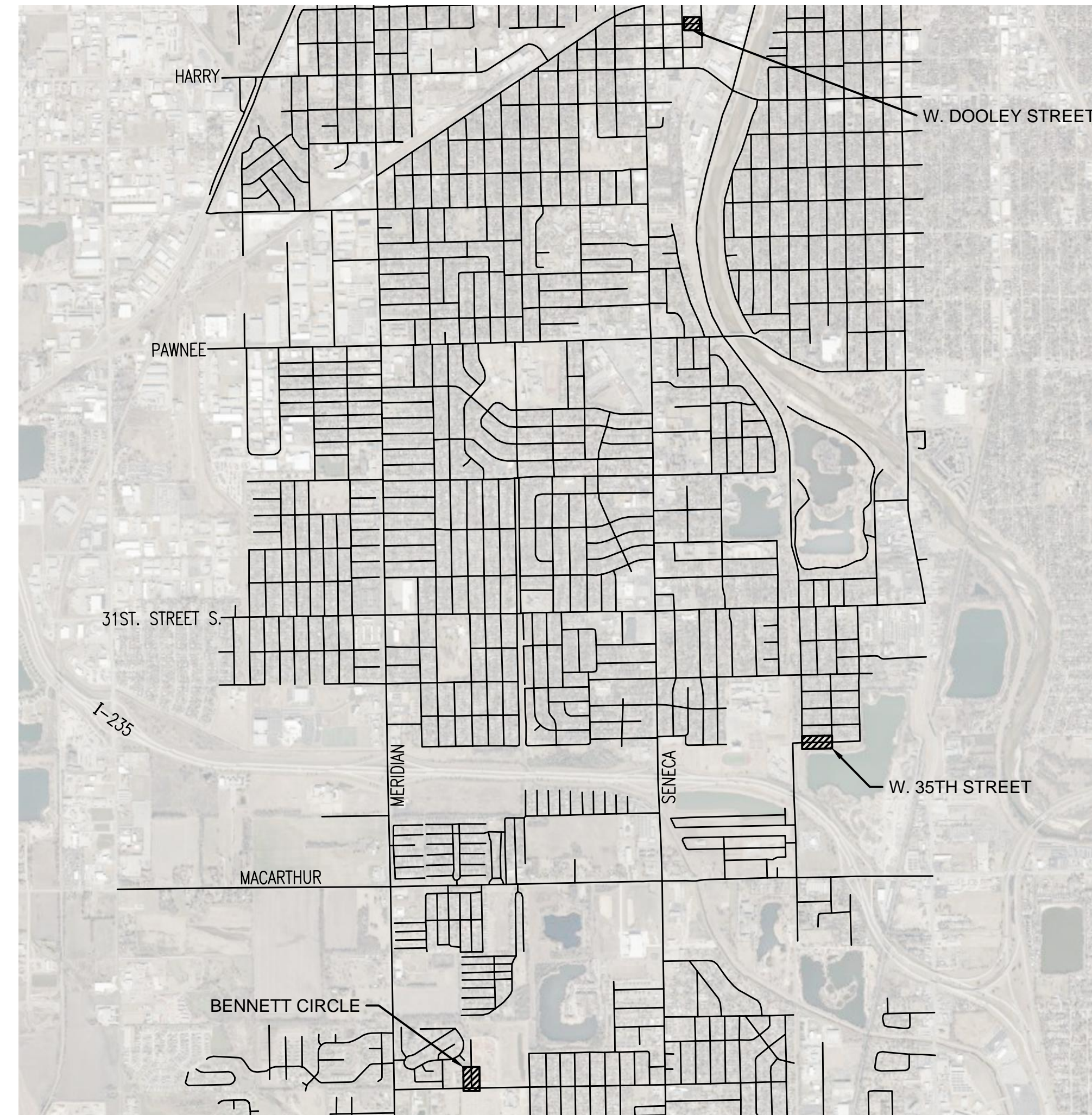
PAUL GUNZELMAN - CITY ENGINEER

35TH ST, DOOLEY ST, BENNETT CR. PAVING IMPROVEMENTS

472-2024-085967 35TH STREET, WACO TO GOLD
 472-2024-085968 DOOLEY STREET, OSAGE TO HANDLEY
 472-2024-085970 BENNETT CIRCLE, EOP TO 45TH ST S
 ORG CODE: 40109323
 MUNIS: E3143

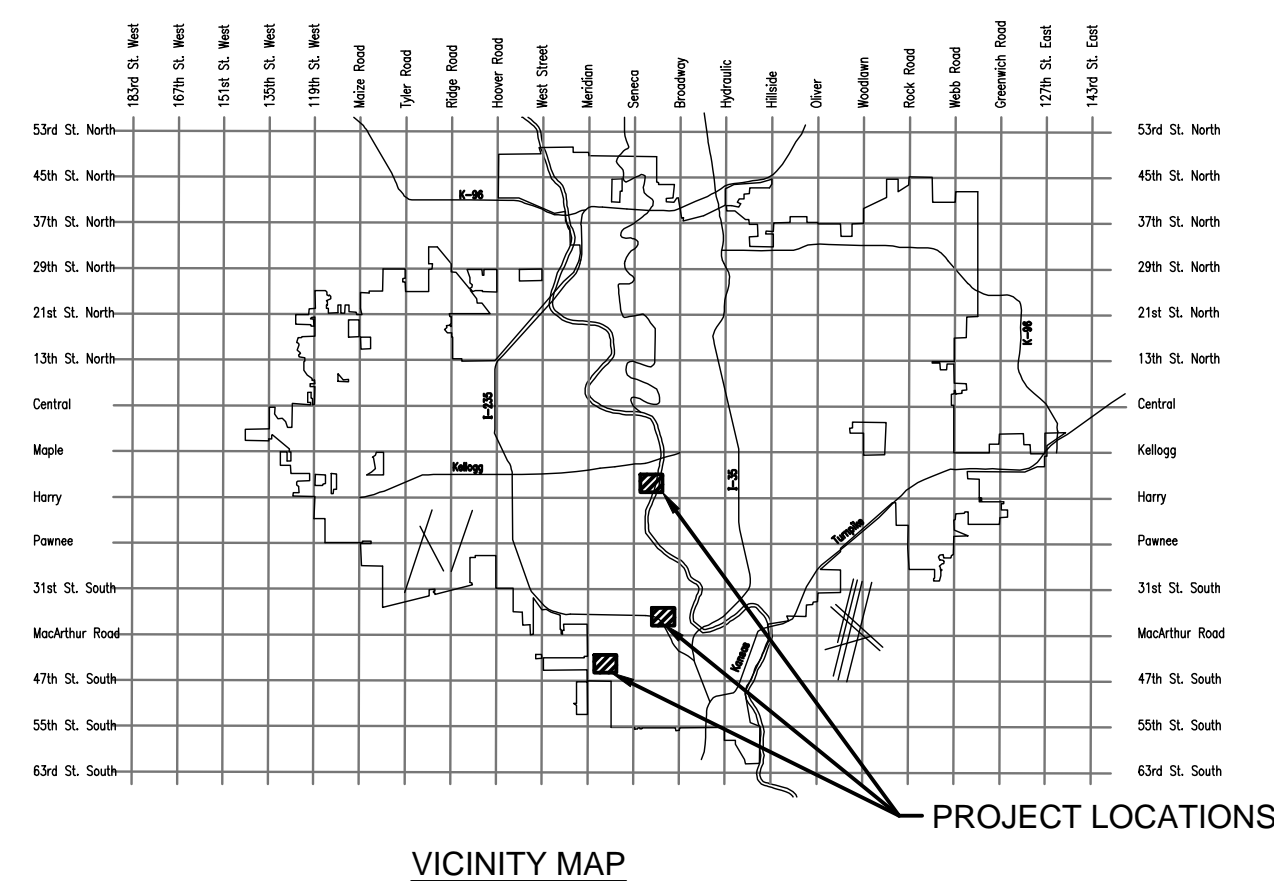
SHEET INDEX

- 1 TITLE SHEET
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- 24-32 CROSS SECTIONS



LOCATION MAP

FEBRUARY 2025



VICINITY MAP

PROJECT LOCATIONS

SAVED 2/17/2025 7:57:15 AM BY LUKE.PETER
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**35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS**
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

TITLE SHEET

C001
1 OF 32

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BENCH MARKS

BM-205
 ELEV: 1,277.98 (NAVD 88)
 SQUARE CUT ON THE BACK-OF-CURB AT THE WEST END OF THE SOUTH CURB RETURN ON THE SOUTHWEST CORNER OF THE INTERSECTION OF W 45TH STREET S. AND BENNETT CIRCLE +/- 18.5' SOUTH TO THE CENTERLINE OF W 45TH STREET S. +/- 33' EAST TO THE CENTERLINE OF BENNETT CIRCLE.

BM-206
 ELEV: 1,279.78 (NAVD 88)
 T-POST SET FLUSH WITH THE GROUND ON THE EAST SIDE OF BENNETT CIRCLE AND SOUTH OF THE GATE TO SOUTHWEST BOYS CLUB SPORTS COMPLEX. +/- 2' NORTH TO THE SOUTH FACE OF THE EAST GATE POSTREET +/- 13' WEST TO THE CENTERLINE OF BENNETT CIRCLE.

HORIZONTAL CONTROL POINTS

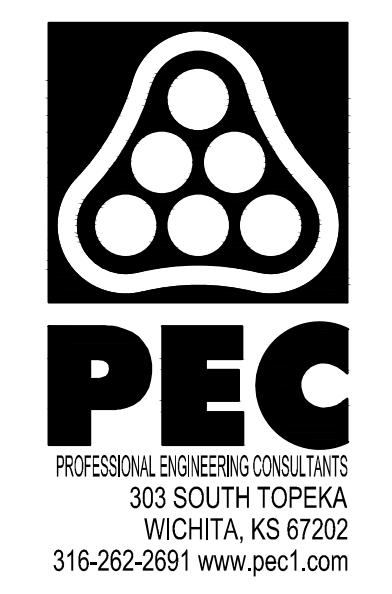
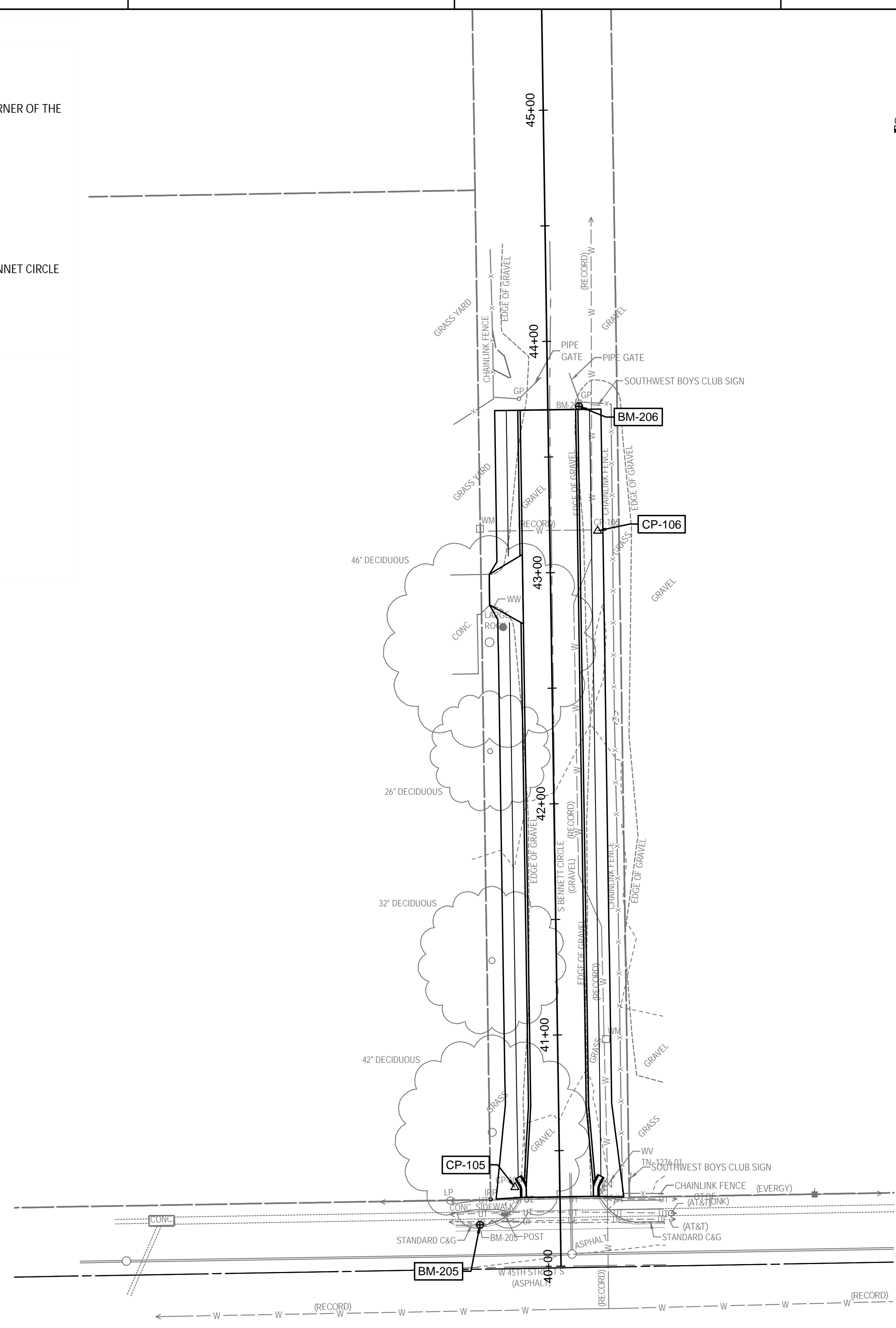
CP-105
 N: 1,658,398.4730 E: 1,640,973.5920
 1/2" REBAR SET FLUSH WITH THE GROUND ON THE NORTHWEST CORNER OF THE INTERSECTION OF W 45TH STREET S AND BENNETT CIRCLE
 1. 28.5' WSW TO THE EAST FACE OF POWER POLE.
 2. 34.44' S TO THE CENTERLINE OF W 45TH STREET S.
 3. 19.35' E TO THE CENTERLINE OF BENNETT CIRCLE.

CP-106
 N: 1,658,682.3810 E: 1,641,009.3470
 1/2" REBAR SET FLUSH WITH THE GROUND ON THE EAST SIDE OF BENNETT CIRCLE
 1. 6.44' E TO THE THE NORTH-SOUTH CHAIN-LINK FENCE.
 2. 20.35' W TO THE CENTERLINE OF BENNETT CIRCLE.
 3. 56.33' NNW TO THE SOUTH FACE OF THE EAST GATE POST.

CONTROL SUMMARY
 HORIZONTAL DATUM/COORDINATE SYSTEM: NAD 83 (2011)
 PROJECT COORDINATE SYSTEM: (GRID) ON DESCRIBED COORDINATE SYSTEM
 VERTICAL DATUM: NAVD 88
 SCALE POINT: NORTHING: 0
 EASTING: 0
 COMBINED ADJUSTMENT FACTOR (CAF): GROUND TO GRID=0.99989108
 GRID TO GROUND=1.0001089309
 DISTANCE UNITS: US SURVEY FEET
 COORDINATE SYSTEM ORIGIN: COUNTY CONTROL
 VERTICAL DATUM ORIGIN: COUNTY CONTROL

UTILITY LOCATE NOTE:
 DIGSAFE
 TICKET NUMBERS:
 TICKET NO: 23685792 ORIGINAL CALL DATE: 12/20/23 09:31 AM
 TICKET NO: 23685759 ORIGINAL CALL DATE: 12/20/23 09:24 AM
 TICKET NO: 23685858 ORIGINAL CALL DATE: 12/20/23 09:48 AM
 TICKET NO: 23685844 ORIGINAL CALL DATE: 12/20/23 09:39 AM

MEMBERS NOTIFIED (PHONE NUMBER):
 WICHITA WATER (316-268-4555)
 WICHITA PUBLIC SCH (316-973-2267)
 KANSAS GAS SERVICE (800-794-4780)
 EVERGY (785-249-1948)
 COX COMMUNICATIONS (800-778-9140)
 BLACK HILLS ENERGY (800-778-9140)
 ATT DISTRIBUTION (800-778-9140)



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CONTROLS AND KEY MAP - BENNETT CIRCLE

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 PROJECT COORDINATE SYSTEM: (GRID) ON DESCRIBED COORDINATE SYSTEM
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UTILITY LOCATE NOTE:

DIGSAFE

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TICKET NO: 23685858	ORIGINAL CALL DATE: 12/20/23 09:48 AM
TICKET NO: 23685844	ORIGINAL CALL DATE: 12/20/23 09:39 AM

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BENCH MARKS

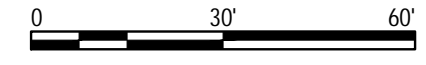
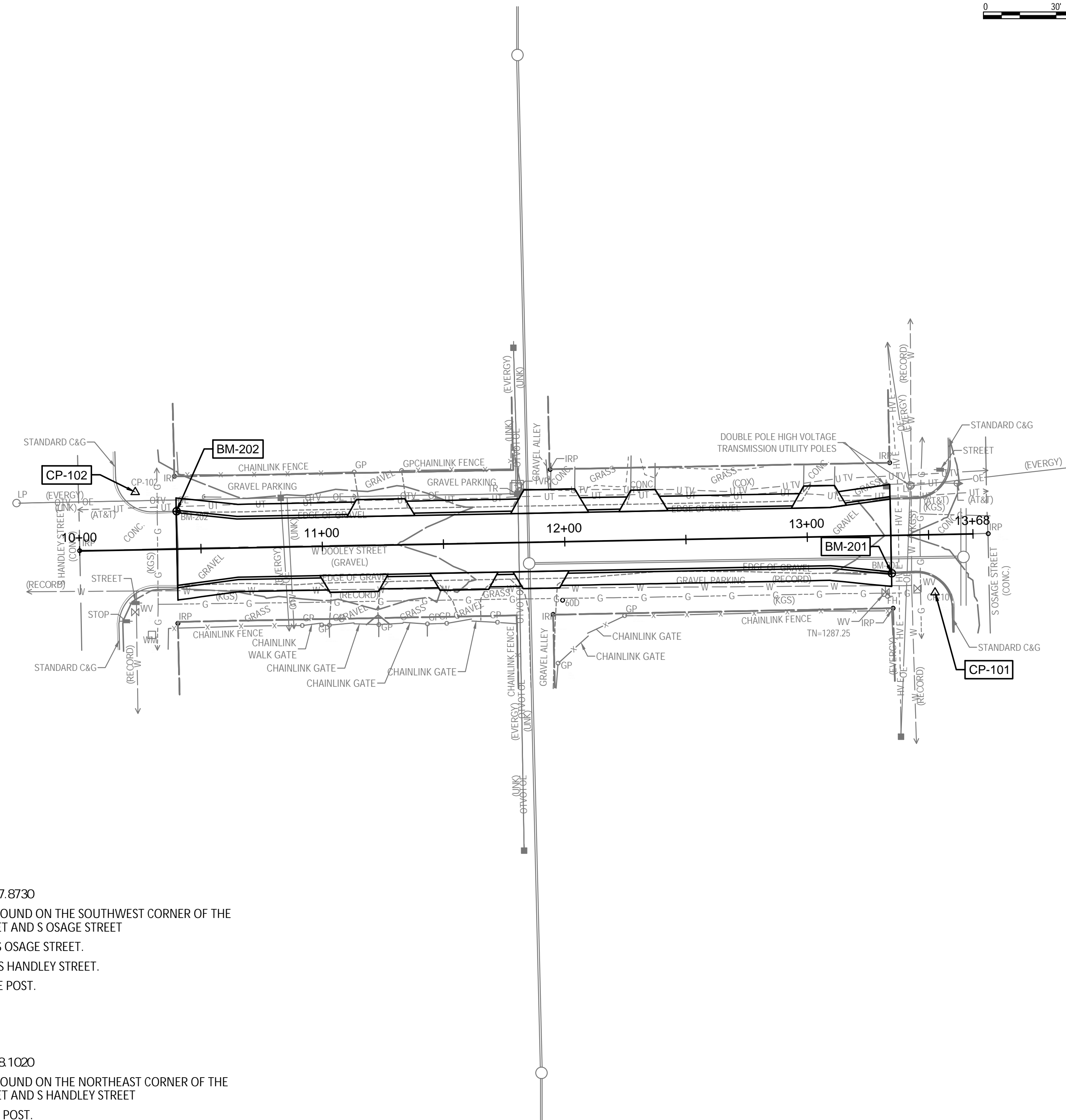
BM-201
 ELEV: 1,290.27 (NAVD 88)
 SQUARE CUT ON THE TOP OF THE CURB AT THE WEST END OF THE SOUTH BACK-OF-CURB ON THE SOUTHWEST CORNER OF THE INTERSECTION OF W DOOLEY STREET AND S OSAGE STREET +/- 15.5' NORTH TO THE CENTERLINE OF W DOOLEY STREET +/- 40' EAST TO THE CENTERLINE OF S OSAGE STREET.

BM-202
 ELEV: 1,289.88 (NAVD 88)
 SQUARE CUT ON THE TOP OF THE CURB AT THE EAST END OF THE NORTH BACK-OF-CURB ON THE NORTHEAST CORNER OF THE INTERSECTION OF W DOOLEY STREET AND S HANDLEY STREET +/- 15.5' NORTH TO THE CENTERLINE OF W DOOLEY STREET +/- 40' WEST TO THE CENTERLINE OF S HANDLEY STREET.

HORIZONTAL CONTROL POINTS

CP-101
 N: 1,679,125.0300 E: 1,645,457.8730
 1/2 REBAR SET FLUSH WITH THE GROUND ON THE SOUTHWEST CORNER OF THE INTERSECTION OF W DOOLEY STREET AND S OSAGE STREET
 1. 22.45' E TO THE CENTERLINE OF S OSAGE STREET.
 2. 23.76' N TO THE CENTERLINE OF S HANDLEY STREET.
 3. 19.45' SW TO THE CORNER FENCE POST.

CP-102
 N: 1,679,166.4390 E: 1,645,128.1020
 1/2 REBAR SET FLUSH WITH THE GROUND ON THE NORTHEAST CORNER OF THE INTERSECTION OF W DOOLEY STREET AND S HANDLEY STREET
 1. 19.05' NE TO THE CORNER FENCE POST.
 2. 23.24' W TO THE CENTERLINE OF S HANDLEY STREET.
 3. 23.76' S TO THE CENTERLINE OF W DOOLEY STREET.



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CONTROLS AND KEY MAP -
 DOOLEY STREET

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GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS TO COMPLY WITH CITY OF WICHITA STANDARD CONSTRUCTION SPECIFICATIONS AND DETAILS, UNLESS OTHERWISE INCLUDED IN THE CONTRACT DOCUMENTS.
2. EACH BIDDER SHALL VISIT THE SITE OF THE PROJECT BEFORE SUBMITTING THE PROPOSAL FOR THIS WORK SO THAT THEY WILL BE FULLY INFORMED OF THE EXISTING FIELD CONDITIONS AND THE OBSTACLES WHICH MIGHT BE ENCOUNTERED. UPON AWARD OF THE CONTRACT THE CONTRACTOR WILL NOT BE GRANTED ANY ADDITIONAL COMPENSATION WITH REGARDS TO TIME AND MONEY FOR CONDITIONS THAT MAY HAVE BEEN EVALUATED DURING ANY INSPECTION OF THE SITE.
3. AT LEAST 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION (EXCLUDING WEEKENDS AND HOLIDAYS), THE CONTRACTOR SHALL CONTACT THE KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316)-687-2470 OR 811 TO REQUEST THE LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING LINES WITHIN THE PROJECT AREA.
4. THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

EMERGENCY DISPATCH:	911
COX COMMUNICATIONS:	888-249-3530
EVERGY:	800-383-1183
AT&T:	800-286-8313
KANSAS GAS SERVICE:	888-482-4950
6. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF SEVEN (7) DAYS ADVANCE NOTICE PRIOR TO THE START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION AT THE CONTRACTORS EXPENSE.
8. ALL ELEVATIONS SHOWN ARE NAVD88 DATUM. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL RE-ESTABLISH CONTROL POINTS AND BENCH MARKS AND VERIFY THEIR ACCURACY.
9. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE DRAWINGS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. IT SHOULD BE NOTED THAT OTHER BURIED LINES AND CABLES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL HAVE ALL BURIED LINES LOCATED AND FLAGGED IN THE FIELD PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND REVIEW ANY BURIED LINES LOCATED IF CONFLICTS EXIST. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING TRENCHING OPERATIONS TO AVOID DAMAGING THESE LINES. ANY LINES DAMAGED SHALL BE REPLACED OR REPAIRED IMMEDIATELY AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. THE CONTRACTOR SHALL EXPOSE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF EXISTING UTILITIES THAT ARE IN POTENTIAL CONFLICT WITH THE PROPOSED IMPROVEMENTS. THE UTILITY LOCATES SHALL BE PERFORMED PRIOR TO THE START OF CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
11. EASEMENTS AND RIGHTS-OF-WAY PROVIDED BY THE OWNER FOR THE PROJECT ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACQUISITION OF ANY ADDITIONAL TEMPORARY EASEMENTS OR RIGHTS-OF-WAY DESIRED TO USE IN COMPLETING THE WORK.

12. THE CONTRACTOR SHALL CONTAIN THEIR OPERATIONS TO PERMIT LOCAL AND EMERGENCY TRAFFIC THROUGH AND ACROSS CONSTRUCTION AT ALL TIMES. THE CONTRACTOR SHALL UTILIZE WARNING SIGNS, FLASHING LIGHTS, BARRICADES, AND FLAGMEN IN COMPLIANCE WITH THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
13. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED, TREE TRIMMINGS, AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES, FLOODWAYS, OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
14. THE CONTRACTOR SHALL AVOID REMOVAL OR TRIMMING OF ANY TREES OR SHRUBS WHERE POSSIBLE. WHERE THE CONTRACTOR BELIEVES THE REMOVAL OR TRIMMING IS UNAVOIDABLE, THIS WORK SHALL BE COORDINATED WITH THE ENGINEER. TREE TRIMMING/REMOVAL SHALL BE COMPLETED IN ACCORDANCE WITH U.S FISH AND WILDLIFE SERVICE AND KANSAS DEPARTMENT OF WILDLIFE, PARKS, AND TOURISM RESTRICTIONS.
15. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, AND BANKS TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE. WHERE EXISTING ENTRANCE PIPE, DRAINAGE PIPE, SIGNS, FENCES, LANDSCAPING, ETC., CONFLICT WITH THE PROPOSED WORK HEREIN, THEY SHALL BE REMOVED AND REPLACED OR RESET, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
16. THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL THROUGH THE COMPLETION OF THIS PROJECT. INSTALLATION OF THESE EROSION CONTROL DEVICES DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION.
17. THE CONTRACTOR SHALL TAKE CARE TO PREVENT SILT AND DEBRIS FROM ENTERING ANY STORM DRAINAGE SYSTEM DURING CONSTRUCTION. PIPES OR STRUCTURES WHICH CONTAIN MATERIALS FROM THE CONTRACTORS ACTIVITIES SHALL BE THOROUGHLY CLEANED BY THE CONTRACTOR, AT THEIR OWN EXPENSE, PRIOR TO THE FINAL INSPECTION.
18. ALL GRASSED AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REPLANTED WITH GRASS AND FERTILIZED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. EXISTING GRASSED AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLANTED WITH THE SAME TYPE OF GRASS AS WAS REMOVED, UNLESS OTHERWISE SPECIFIED.
19. THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED PER CITY OF WICHITA SPECIFICATIONS. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF PERMANENT SEEDING/SODDING IS APPLIED. TEMPORARY SEEDING OR PERMANENT SEEDING/SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.
20. CONTRACTOR SHALL MAINTAIN UNINTERRUPTED UTILITY SERVICE TO ADJACENT FACILITIES DURING CONSTRUCTION, UNLESS OTHERWISE APPROVED BY OWNER.
21. WRITTEN REQUEST TO THE OWNER WILL BE REQUIRED 72 HOURS PRIOR TO A SCHEDULED UTILITY OUTAGE. THE FIRE DEPARTMENT MUST BE NOTIFIED OF ANY FIRE HYDRANTS OR WATER MAINS TAKEN OUT OF SERVICE.

22. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SEQUENCING AND TRAFFIC CONTROL PLAN FOR ENGINEER REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.

 THE CONTRACTOR SHALL PROVIDE DAILY VEHICULAR ACCESS TO PROPERTIES WITHIN THE PROJECT AREA THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL ALSO NOTIFY PROPERTY OWNERS SEVENTY-TWO (72) HOURS IN ADVANCE BEFORE PAVING DRIVEWAYS.

 EMERGENCY TRAFFIC SHALL BE PERMITTED THROUGH AND ACROSS CONSTRUCTION AT ALL TIMES. THE CONTRACTOR SHALL PROTECT TRAFFIC BY USE OF PROPER AND NECESSARY FLAGS, LIGHTS, SIGNALS, BARRICADES OR OTHER WARNING DEVICES AS NEEDED, ALL IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).



35TH ST, DOOLEY ST, 44TH ST,
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GENERAL NOTES

CP001
 5 OF 32

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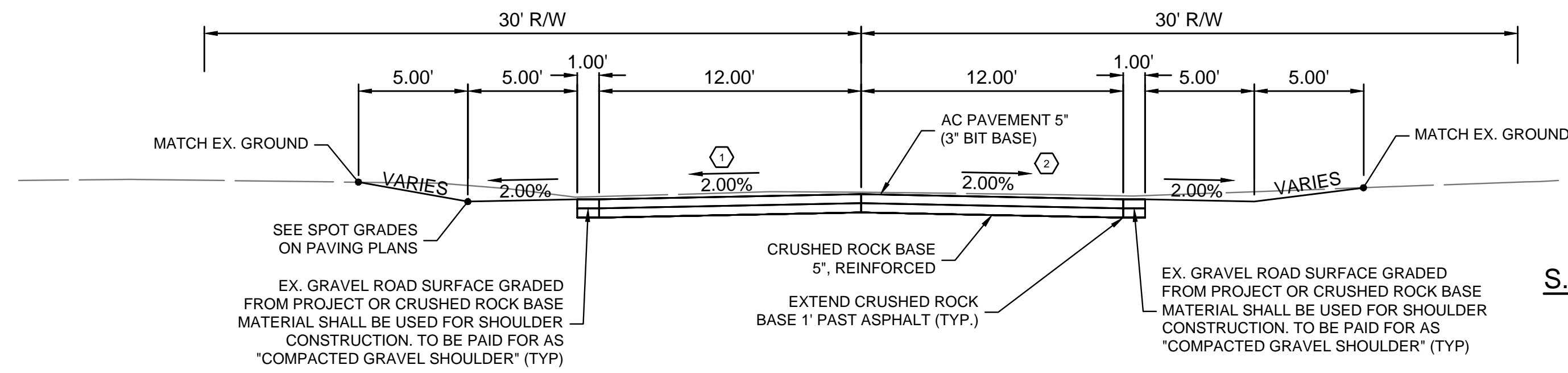


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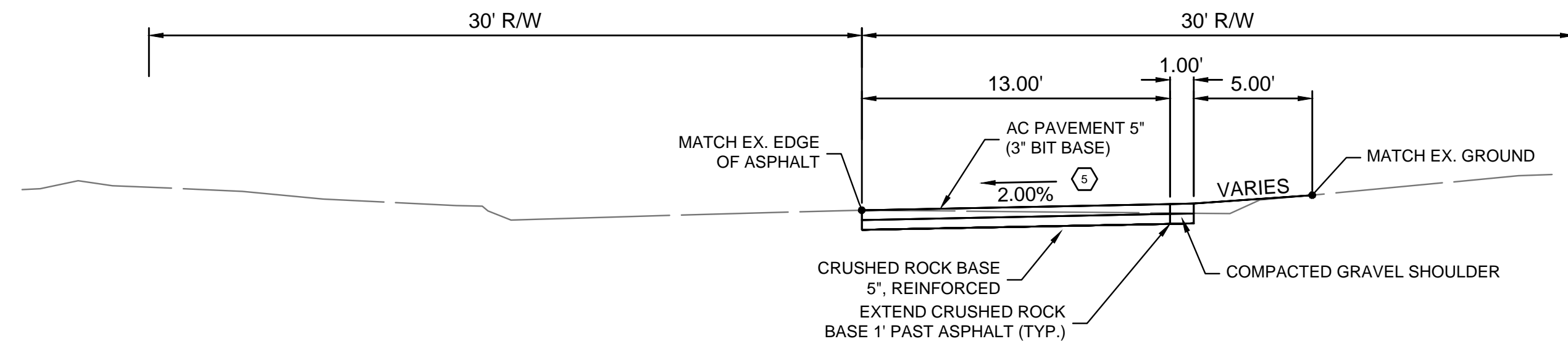
EARTHWORK SUMMARY (C.Y.)		
	Excavation	Compacted Fill (95%) **
BENNETT CIRCLE	334	0
35TH STREET	196	25
DOOLEY STREET	291	0

**FOR INFORMATION ONLY - NOT A PAY ITEM.
NO SHRINKAGE FACTOR HAS BEEN APPLIED.

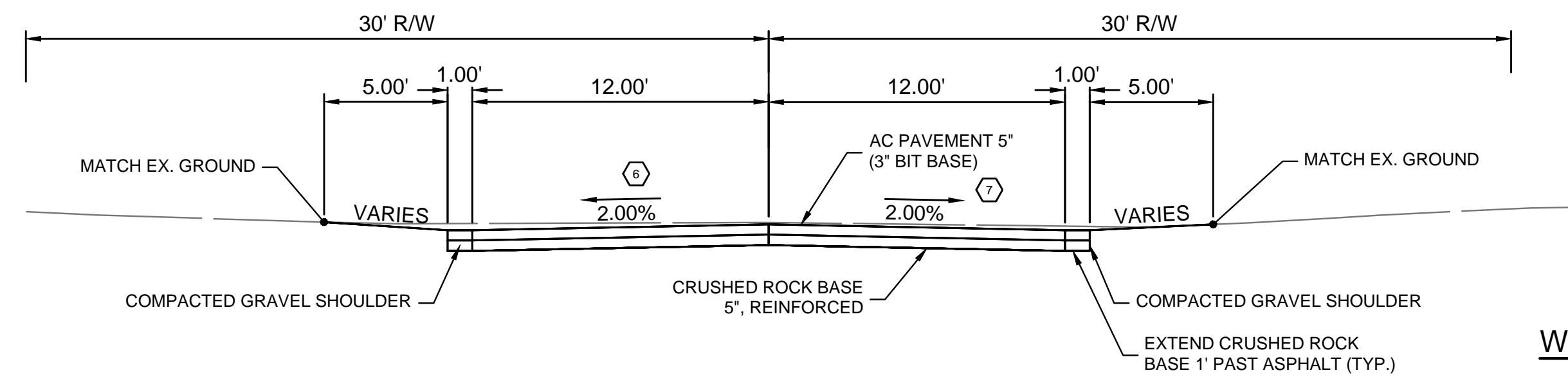
THE QUANTITIES SHOWN FOR 'EXCAVATION' ARE MEASURED FROM THE ORIGINAL GROUND LINE TO THE FINISHED SUBGRADE LINE (WITHIN R/W) OR FINISHED GROUND LINE AS SHOWN ON THE CROSS SECTIONS.



S. BENNETT CIRCLE
STA. 40+70 to 43+50



W. 35TH STREET
STA. 21+25 to 26+25



W. DOOLEY STREET
STA. 10+65 to 13+10

- ① TRANSITION FROM -1.20% TO -2.00% FROM STA. 40+29.99 TO 40+69.50
TRANSITION FROM -2.00% TO 1.30% FROM STA. 43+50.00 TO 43+70.41
- ② TRANSITION FROM -1.70% TO -2.00% FROM STA. 40+29.99 TO 40+69.50
TRANSITION FROM -2.00% TO -1.40% FROM STA. 43+50.00 TO 43+70.41
- ⑤ TRANSITION FROM 0.90% TO 2.00% FROM STA. 20+90.26 TO 21+25.00
TRANSITION FROM 2.00% TO 0.00% FROM STA. 26+25.00 TO 26+64.22
- ⑥ TRANSITION FROM 0.10% TO -2.00% FROM STA. 10+40.08 TO 10+65.00
TRANSITION FROM -2.00% TO -1.90% FROM STA. 13+10.00 TO 13+34.43
- ⑦ TRANSITION FROM -0.50% TO -2.00% FROM STA. 10+40.08 TO 10+65.00
TRANSITION FROM -2.00% TO -1.30% FROM STA. 13+10.00 TO 13+34.43

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TYPICAL SECTIONS



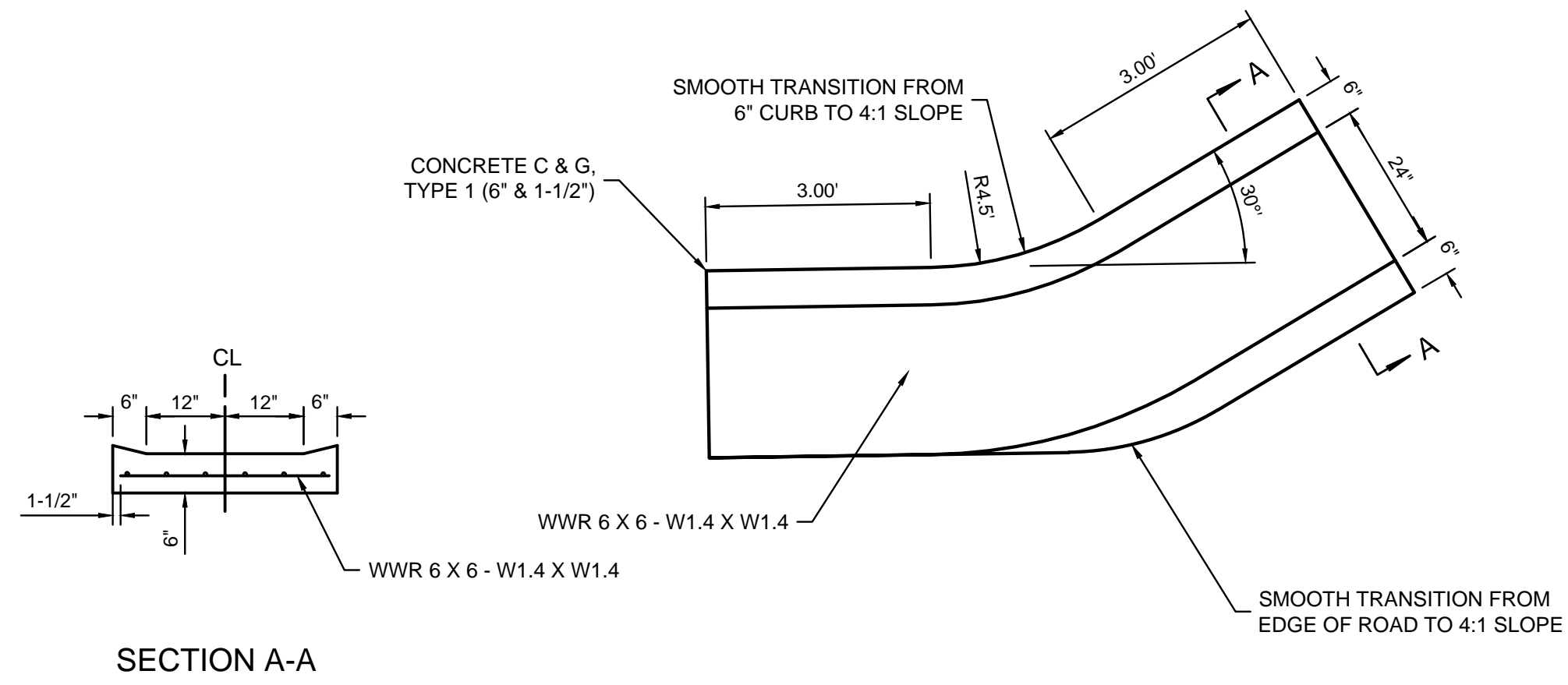
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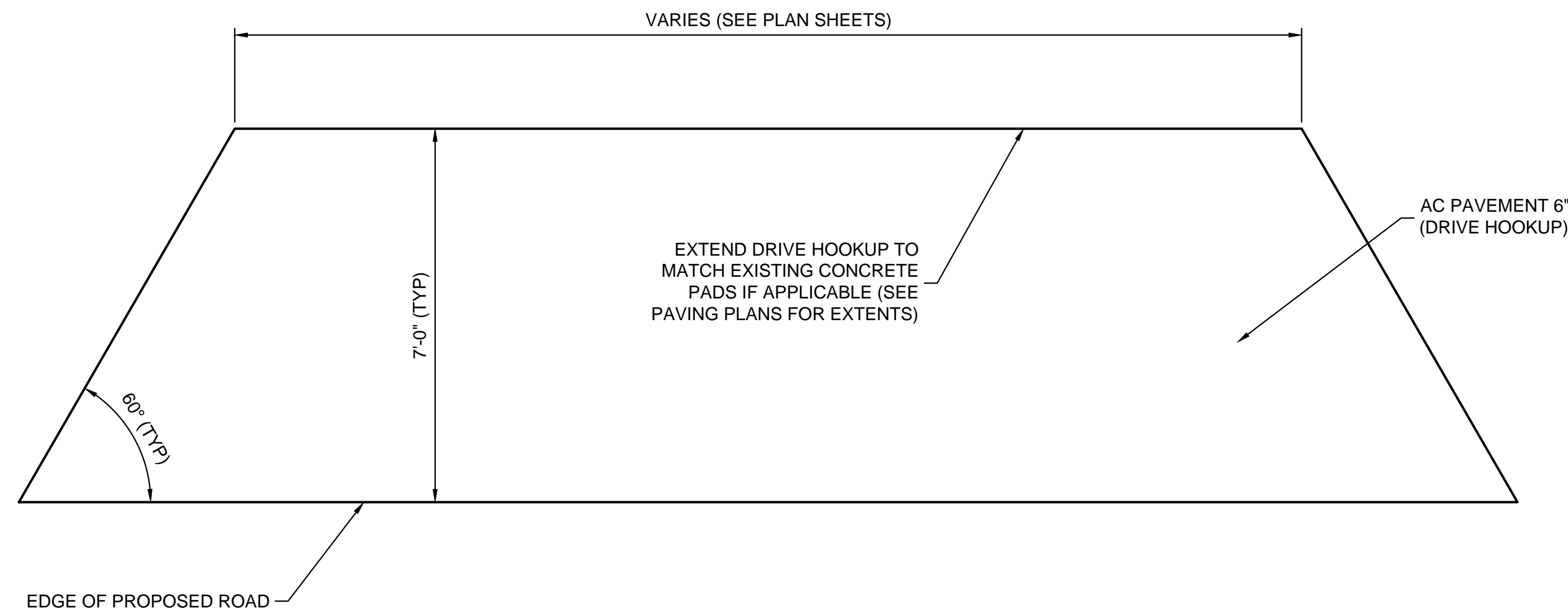
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PAVING DETAILS

CP003
 7 OF 32



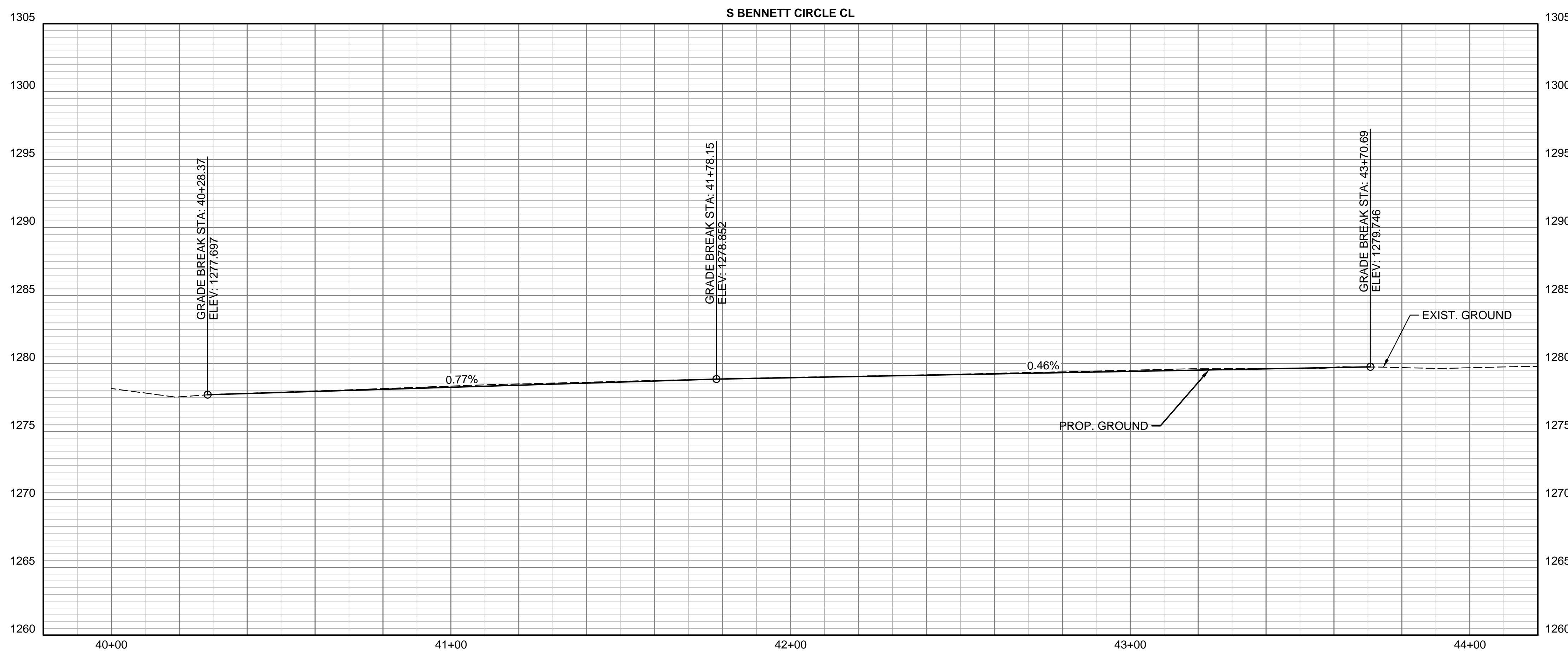
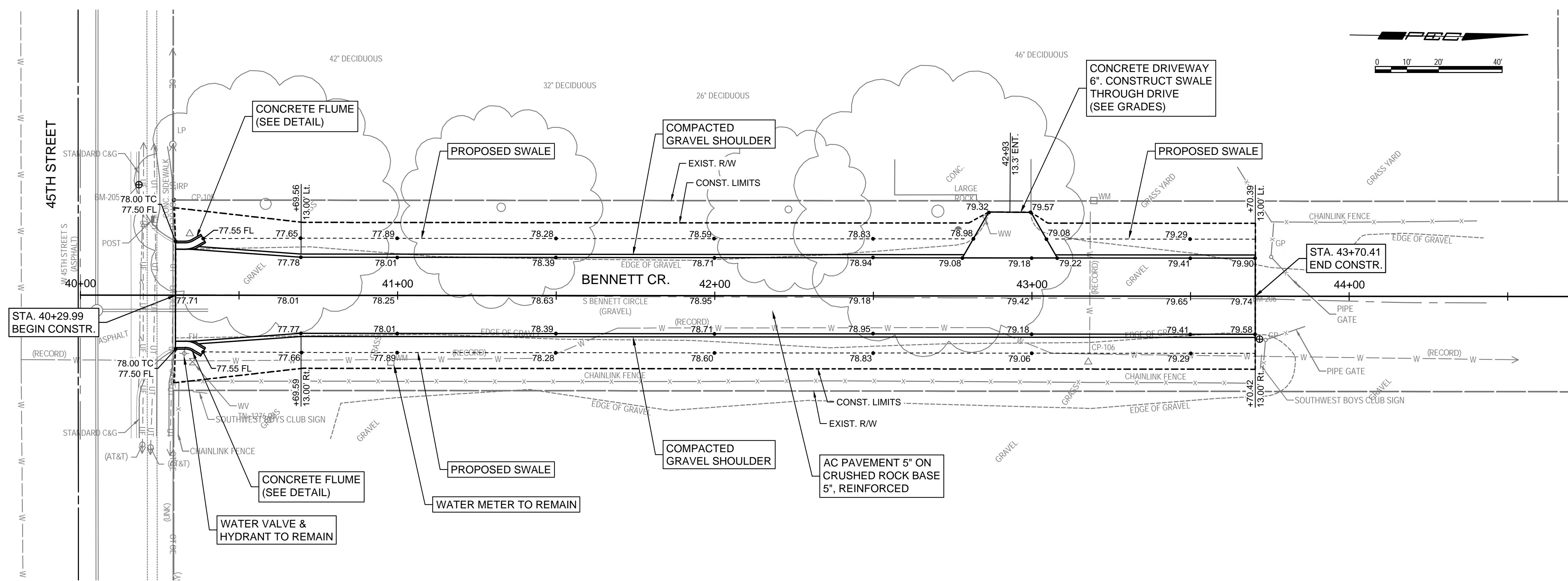
CONCRETE FLUME DETAIL



DRIVE HOOKUP DETAIL

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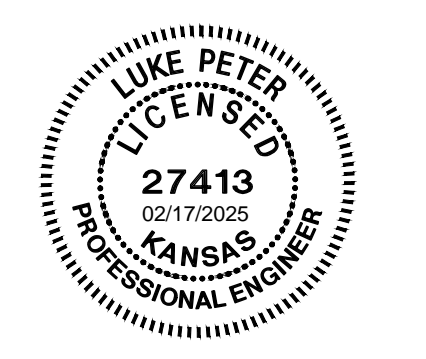
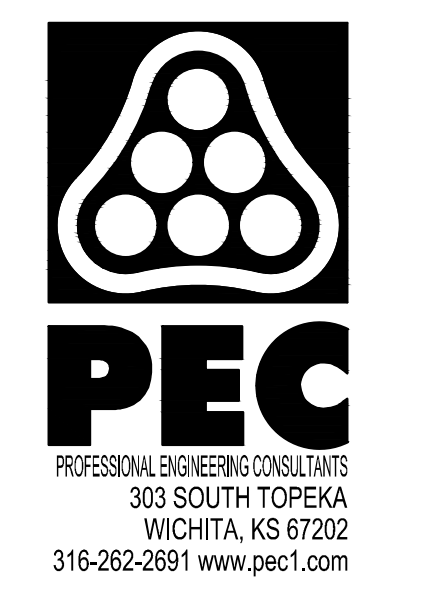
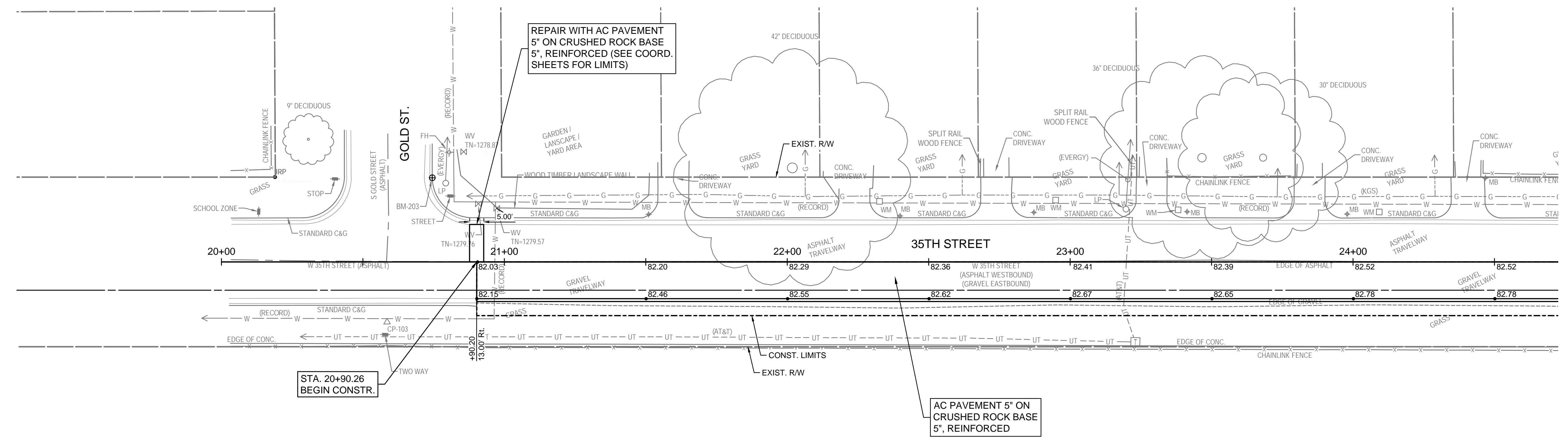
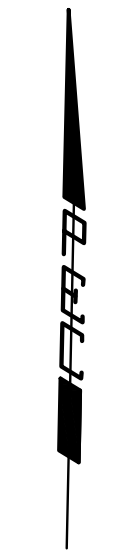
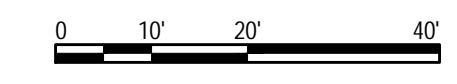
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 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

PLAN & PROFILE - S. BENNETT CIRCLE

SAVED 2/17/2025 7:48:30 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:01:25 AM BY LUKE.PETER
 U:\WICHITA-CIVIL\2023\237042\003\PEC\DRAWINGS\237042-003-CP101.DWG



35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

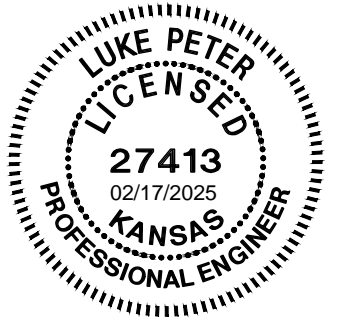
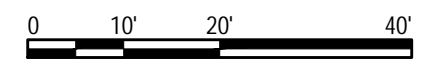
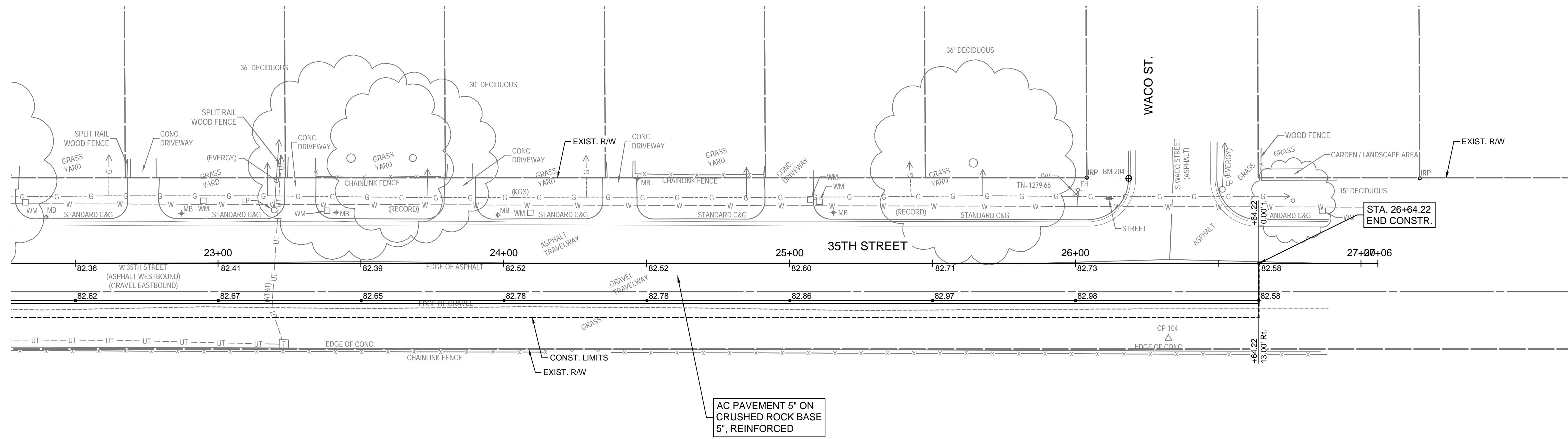
Issue:	

JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

PLAN & PROFILE - W. 35TH STREET

CP102
 9 OF 32

SAVED 2/17/2025 7:48:30 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:01:26 AM BY LUKE.PETER
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35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

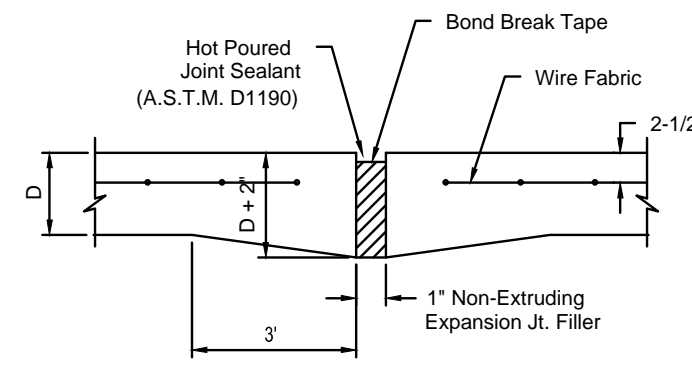
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

PLAN & PROFILE - W. 35TH STREET

CP103
 10 OF 32

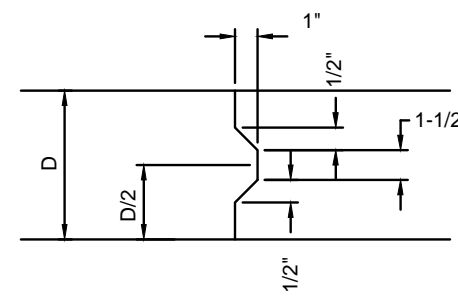
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Stamp: 02-17-2025 7:48:32 AM by LUKE.PETER
 Plot Date: 2/17/2025 8:01:39 AM by LUKE.PETER
 Plotter: HP DesignJet 2000 Series PCL6
 Plot Scale: 1:1
 Plot Size: 36" x 48" (Portrait)
 Plot Orientation: Vertical
 Plot Color: Black
 Plot Lineweight: 0.25
 Plot Linetype: Solid
 Plot Font: Arial, 10pt
 Plot Title: VALLEY GUTTER DETAILS
 Plot Project: 237042-003-CP151

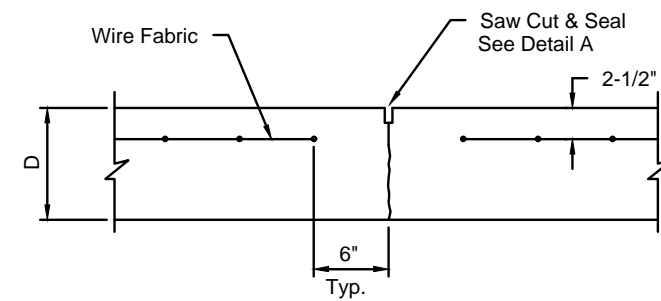


EXPANSION JOINT

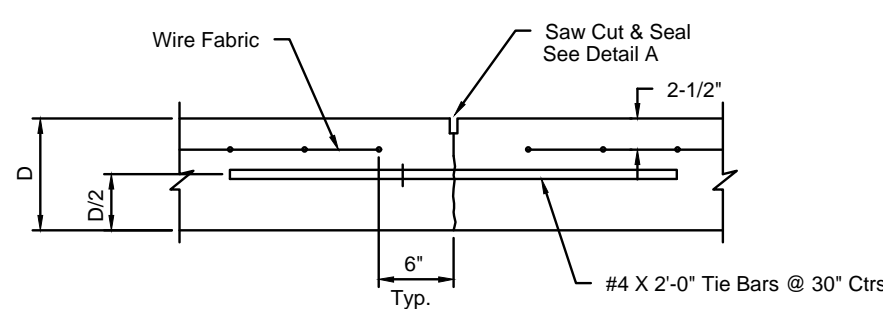
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



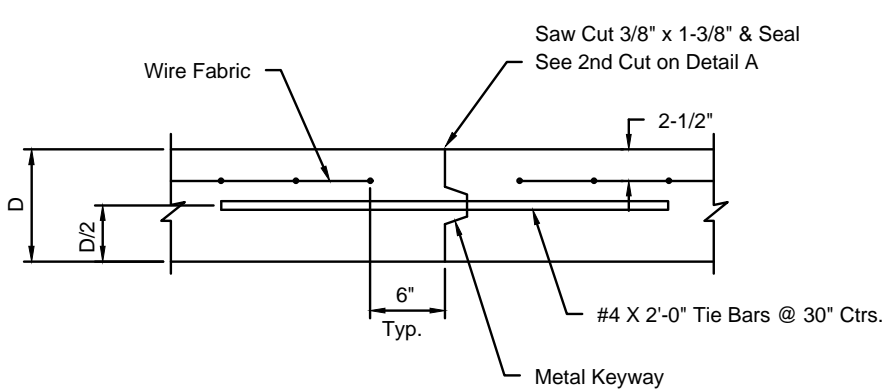
KEYWAY DETAIL



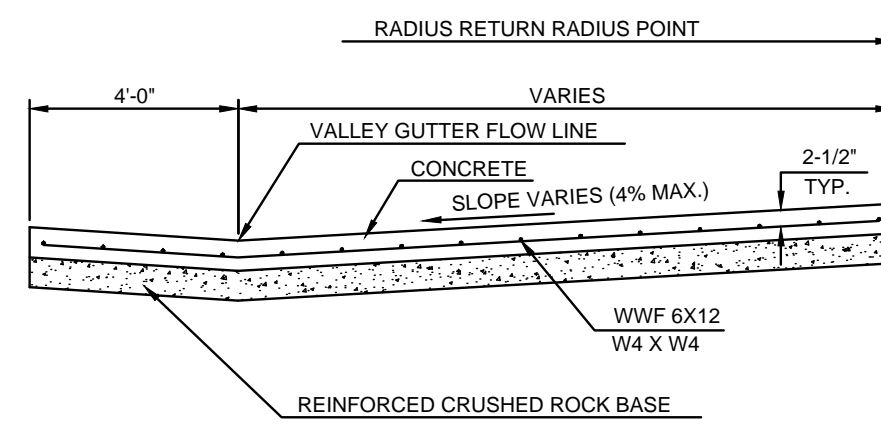
CONTRACTION JOINT DETAIL (C.J.)



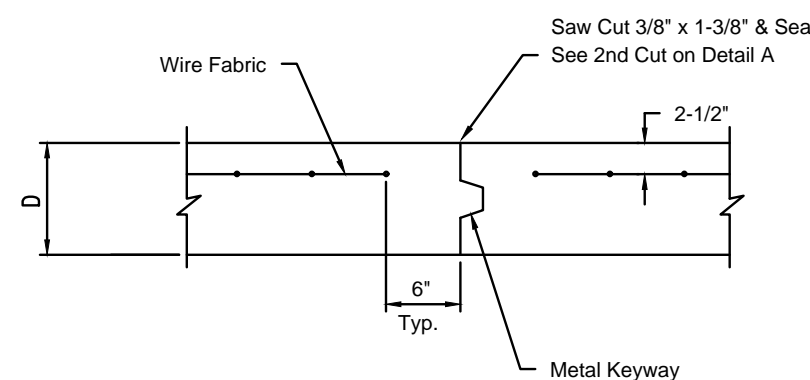
LONGITUDINAL JOINT DETAIL (L.J.)



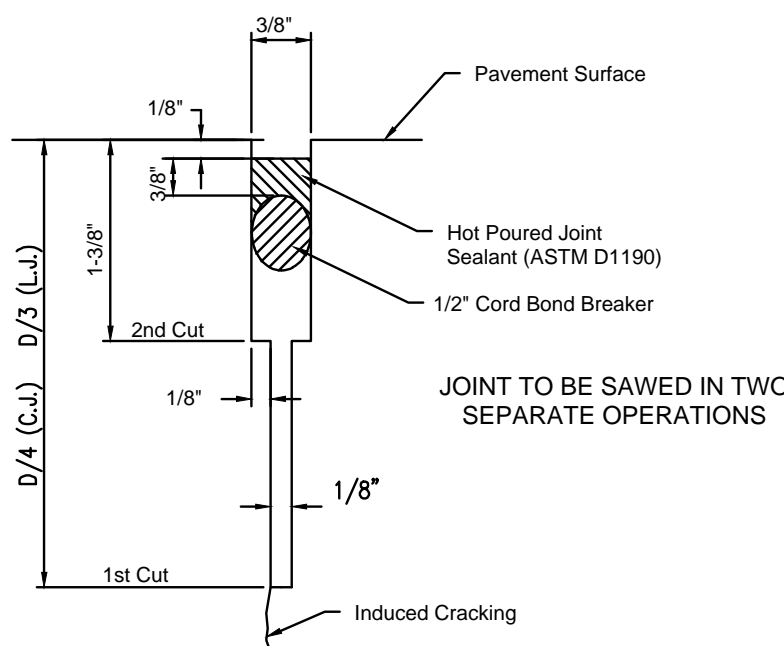
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.)



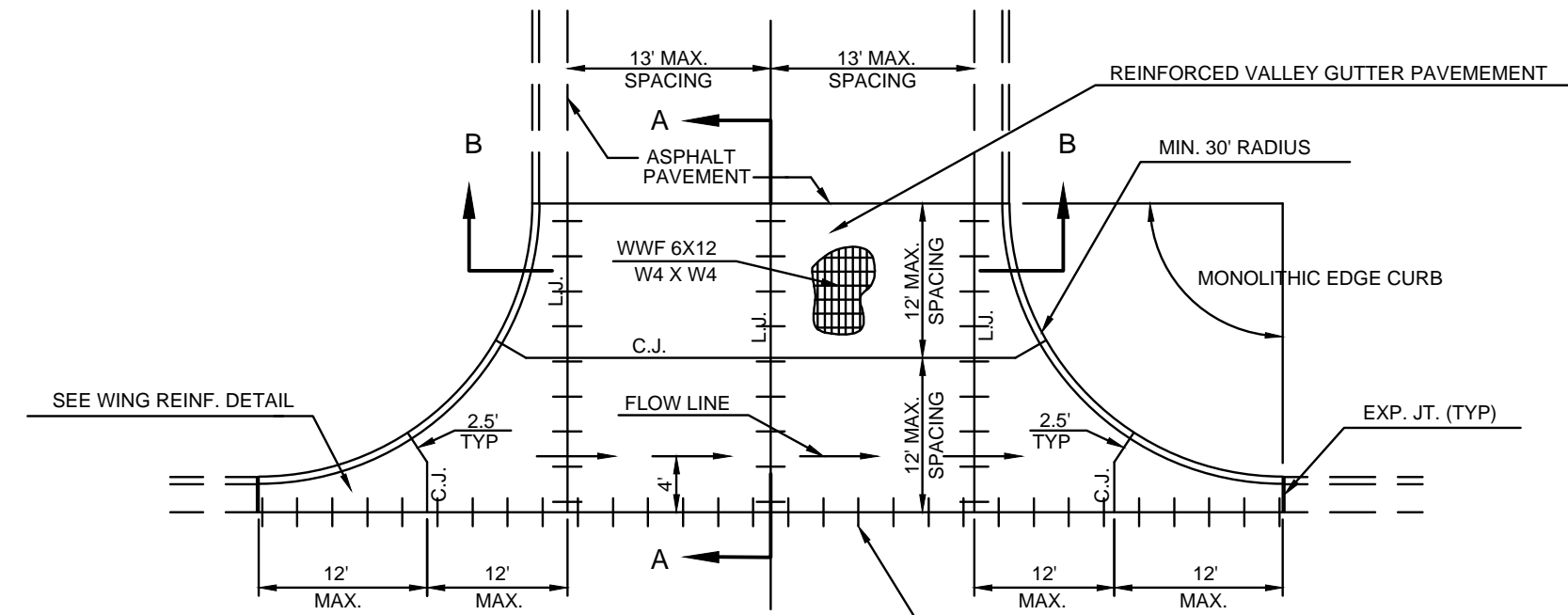
SECTION A-A



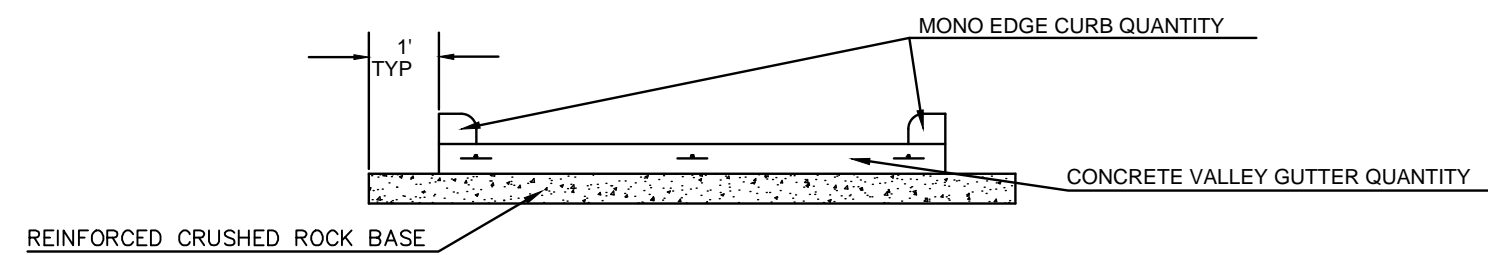
OPTIONAL CONTRACTION JOINT



SAW JOINT DETAIL (DETAIL A)

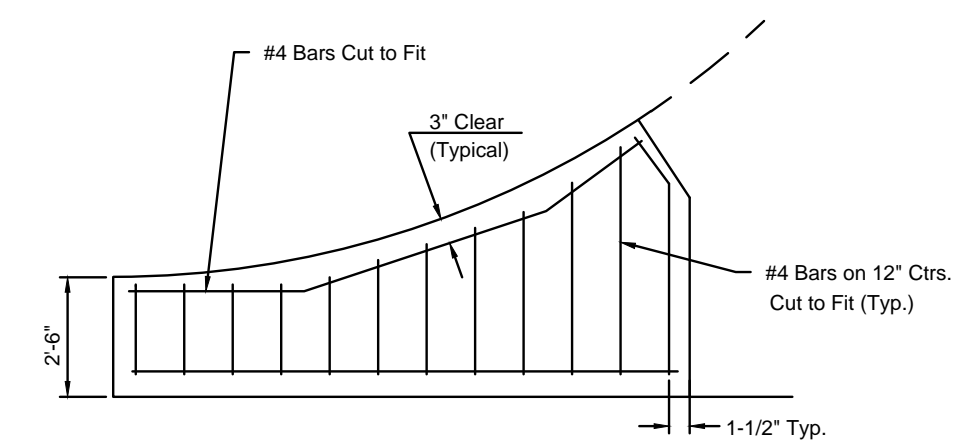


PLAN



SECTION B-B

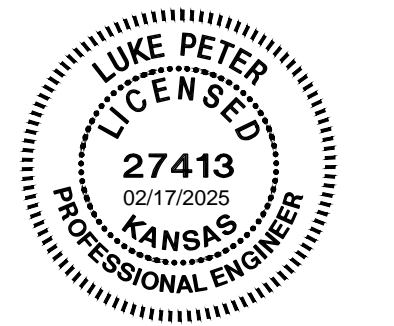
REINFORCED VALLEY GUTTER DETAIL



WING REINFORCING DETAIL

REVISION MAY 2017	SECTION B-B, ROCK EXTENDED ONE FOOT BEYOND PAVEMENT
VALLEY GUTTER DETAILS	
CITY ENGINEER GARY JANZEN, P.E.	
PROJECT NUMBER	OCA NUMBER
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501	DATE
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION	SHEET _ of _

PV-109

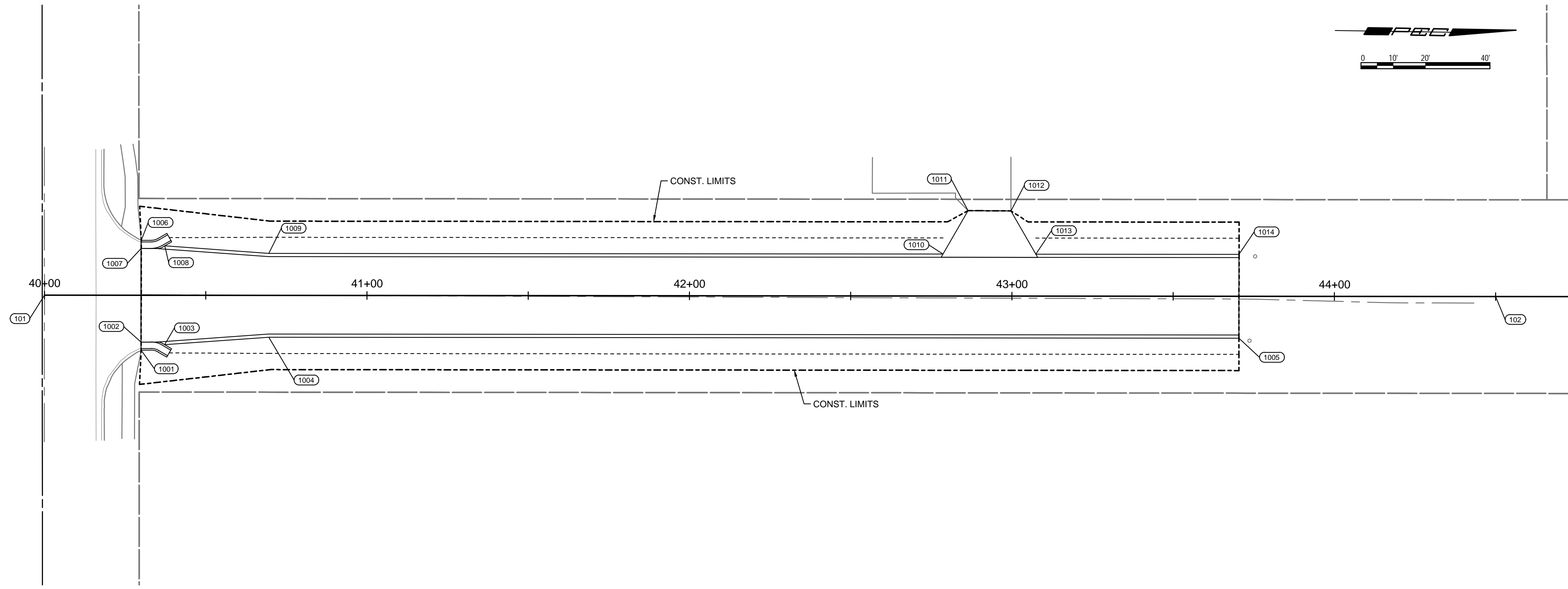


35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

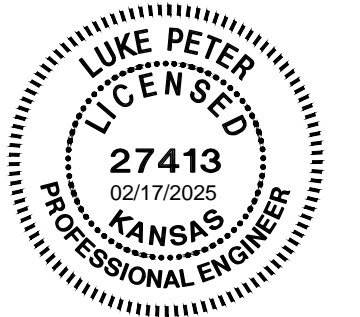
ISSUE:	
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

VALLEY GUTTER DETAIL

U:\WICHITA-CIVIL\2023\237042\003\PEC\DRAWINGS\237042-003-CP201.DWG
 PLOTTED 2/17/2025 8:01:58 AM BY LUKE PETER
 U:\WICHITA-CIVIL\2023\237042\003\PEC\DRAWINGS\237042-003-CP201.DWG
 SAVED 2/17/2025 7:48:45 AM BY LUKE PETER



COORDINATE LIST		
POINT	NORTHING	EASTING
101	1,658,364.3430	1,640,993.5039
102	1,658,814.2897	1,640,986.5775
1001	1,658,394.5966	1,641,010.0402
1002	1,658,394.5581	1,641,007.5405
1003	1,658,401.8701	1,641,008.2509
1004	1,658,434.0944	1,641,005.4317
1005	1,658,734.9182	1,641,000.8008
1006	1,658,394.0732	1,640,976.0443
1007	1,658,394.1117	1,640,978.5440
1008	1,658,401.3982	1,640,977.6090
1009	1,658,433.6700	1,640,979.4352
1010	1,658,642.7104	1,640,976.2172
1011	1,658,650.2880	1,640,962.6100
1012	1,658,663.5417	1,640,962.4820
1013	1,658,671.4924	1,640,975.7741
1014	1,658,734.4938	1,640,974.8043



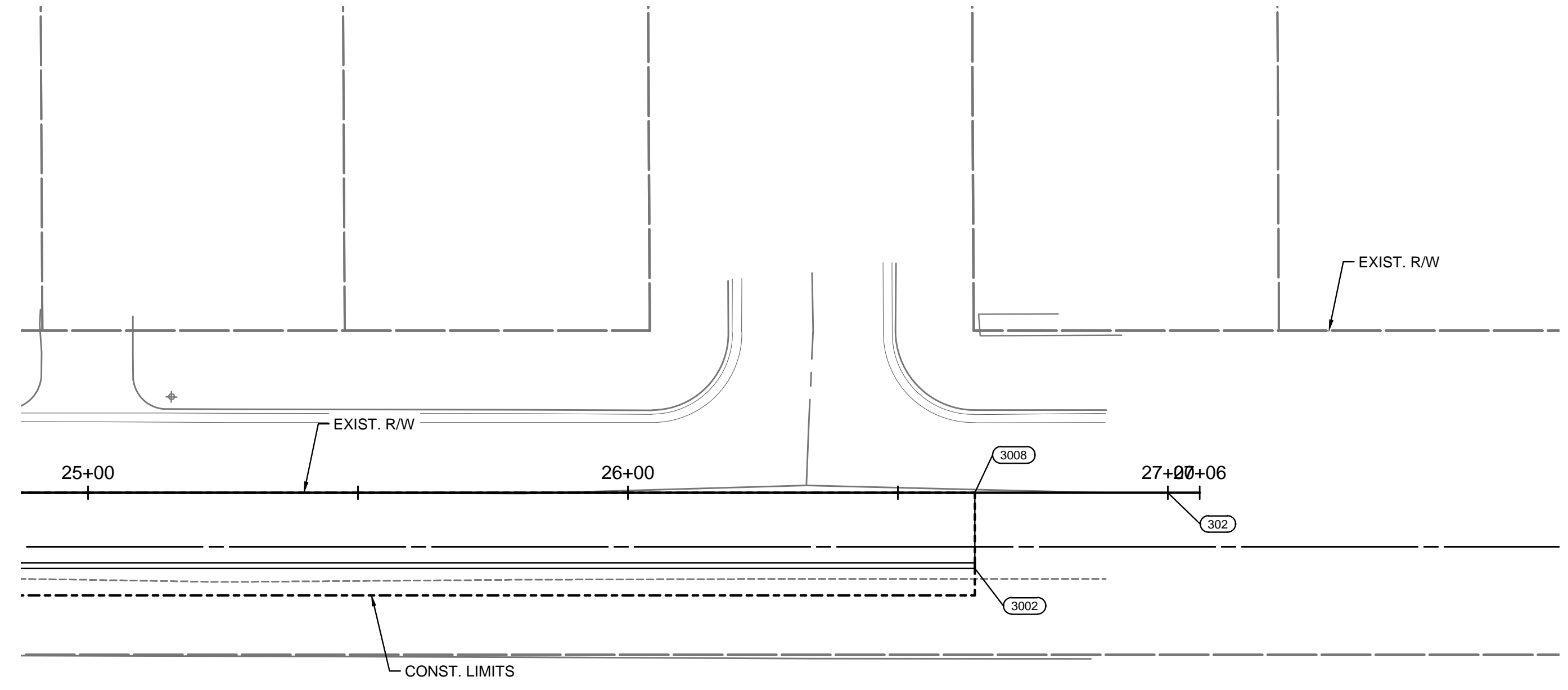
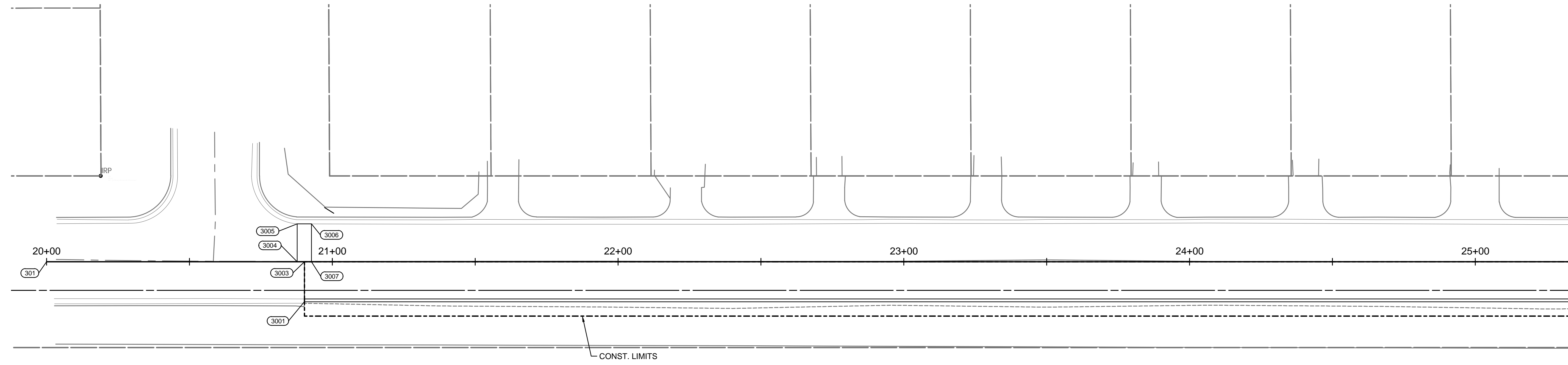
35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

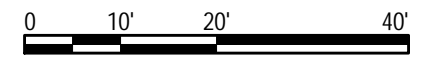
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

COORDINATE GEOMETRY
PLAN - BENNETT CIRCLE

SAVED 2/17/2025 7:48:45 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:01:59 AM BY LUKE.PETER
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COORDINATE LIST		
POINT	NORTHING	EASTING
301	1,665,107.4865	1,647,389.0706
302	1,665,122.5868	1,648,088.9077
3001	1,665,095.4353	1,647,479.5423
3002	1,665,107.8183	1,648,053.4418
3003	1,665,109.4335	1,647,479.3082
3004	1,665,109.3788	1,647,476.7736
3005	1,665,122.6130	1,647,476.4880
3006	1,665,122.7086	1,647,481.4871
3007	1,665,109.4867	1,647,481.7724
3008	1,665,121.8150	1,648,053.1398



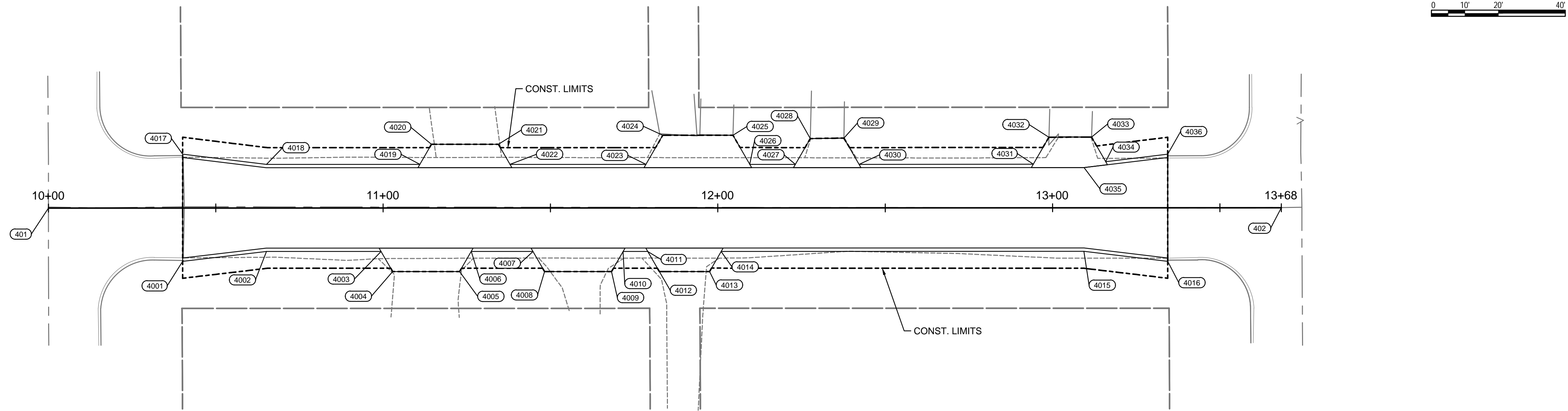
35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

COORDINATE GEOMETRY
 PLAN - W. 35TH STREET

SAVED 2/17/2025 7:48:45 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:02:01 AM BY LUKE.PETER
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COORDINATE LIST		
POINT	NORTHING	EASTING
401	1,679,142.1227	1,645,105.2055
402	1,679,149.1518	1,645,473.4927
4001	1,679,126.9518	1,645,145.5813
4002	1,679,130.3681	1,645,170.5798
4003	1,679,131.0216	1,645,204.8208
4004	1,679,125.0888	1,645,208.3987
4005	1,679,125.4705	1,645,228.3951
4006	1,679,131.5355	1,645,231.7441
4007	1,679,131.8876	1,645,250.1958
4008	1,679,125.9548	1,645,253.7737
4009	1,679,126.3365	1,645,273.7701
4010	1,679,132.4015	1,645,277.1191
4011	1,679,132.5418	1,645,284.4726
4012	1,679,126.6090	1,645,288.0505
4013	1,679,126.8829	1,645,303.0409
4014	1,679,132.9603	1,645,306.3968
4015	1,679,135.0287	1,645,414.7695
4016	1,679,132.5164	1,645,439.8807
4017	1,679,158.9604	1,645,144.9761
4018	1,679,156.3635	1,645,170.0906

COORDINATE LIST		
POINT	NORTHING	EASTING
4019	1,679,157.2380	1,645,215.9079
4020	1,679,163.3030	1,645,219.2568
4021	1,679,163.6846	1,645,239.2531
4022	1,679,157.7519	1,645,242.8311
4023	1,679,158.5272	1,645,283.4481
4024	1,679,167.2993	1,645,288.2918
4025	1,679,167.7000	1,645,309.2880
4026	1,679,159.1192	1,645,314.4629
4027	1,679,159.3793	1,645,328.0929
4028	1,679,167.1560	1,645,332.3870
4029	1,679,167.4880	1,645,342.4480
4030	1,679,159.7425	1,645,347.1192
4031	1,679,160.7359	1,645,399.1644
4032	1,679,168.9101	1,645,403.6780
4033	1,679,169.1610	1,645,416.4000
4034	1,679,161.9319	1,645,420.7597
4035	1,679,160.0253	1,645,414.3561
4036	1,679,164.5250	1,645,439.2755



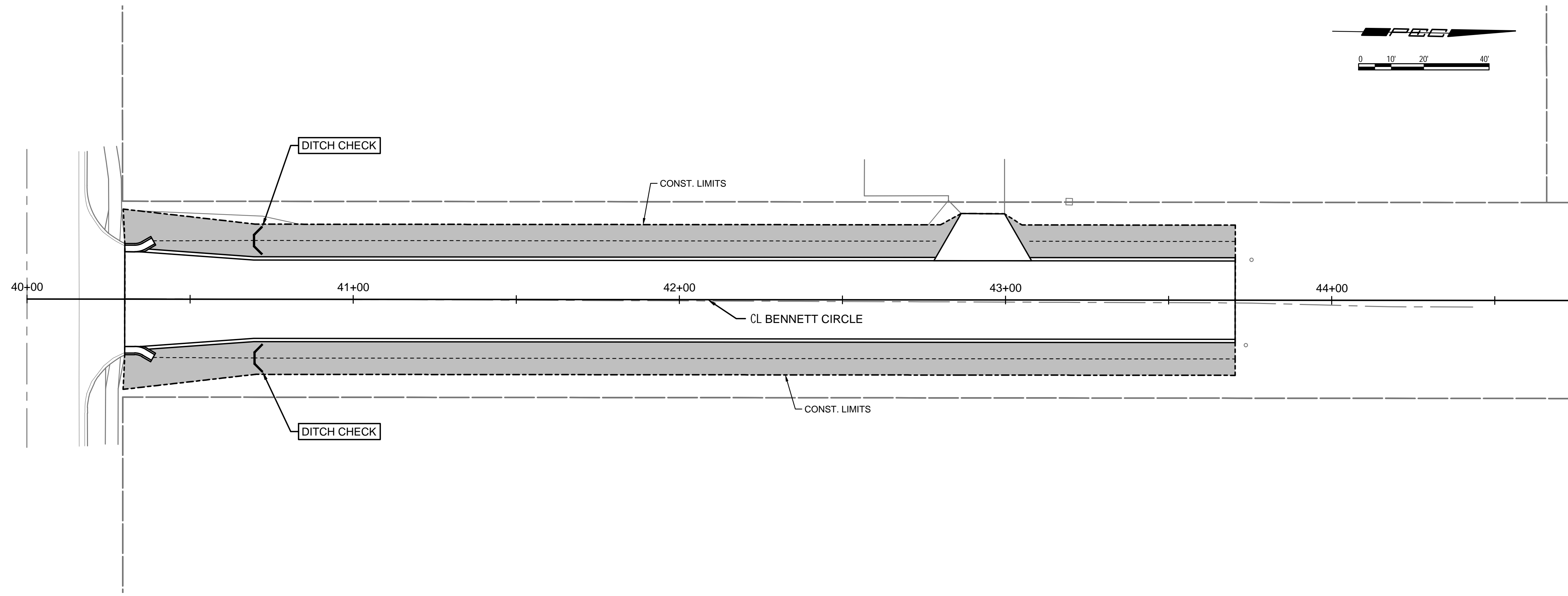
35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:		

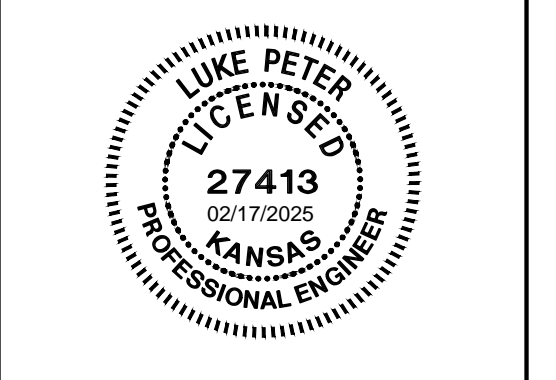
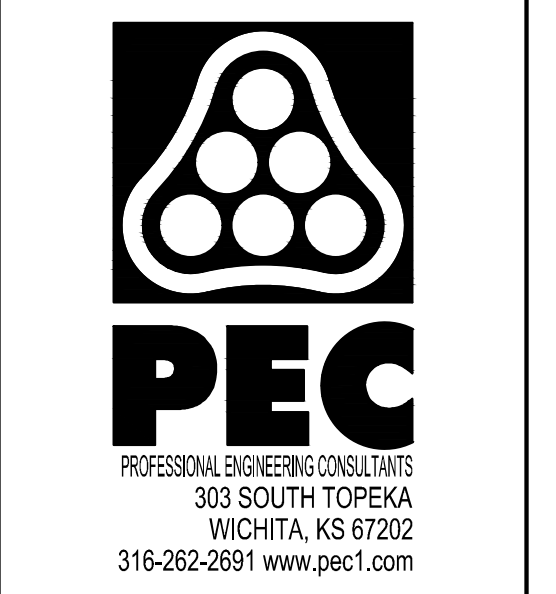
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

COORDINATE GEOMETRY
 PLAN - DOOLEY STREET

SAVED 2/17/2025 7:49:10 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:02:22 AM BY LUKE.PETER
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LEGEND	
	PROPOSED SILT FENCE (PAVING)
	PROPOSED BACK OF CURB PROTECTION
	PROPOSED CURB INLET PROTECTION
	PROPOSED AREA INLET PROTECTION
	PROPOSED DITCH CHECK
	SEEDING AREA



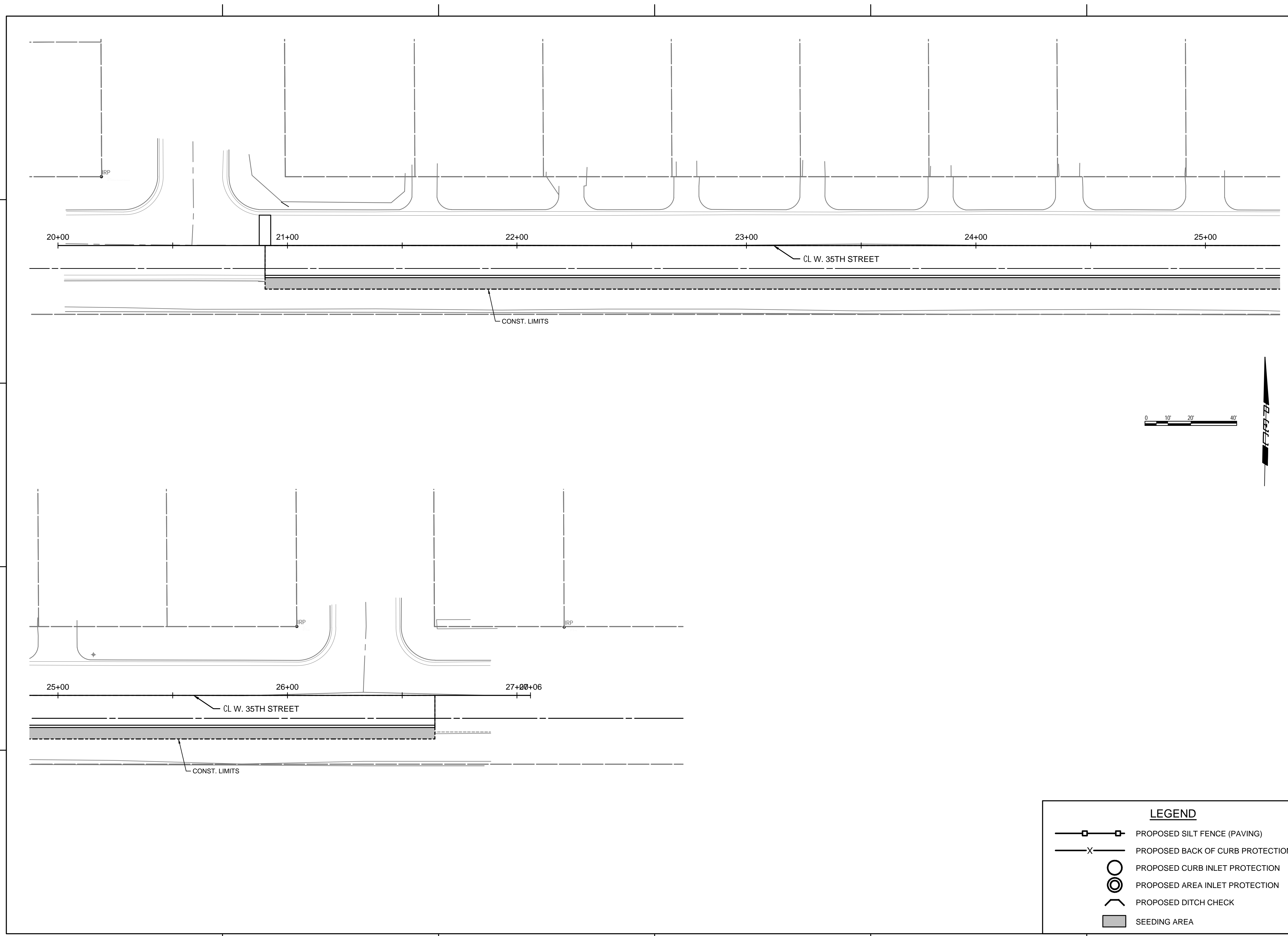
35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:									

JOB NO.	237042-003
DATE	FEB. 2025
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CHECKED BY	TPA
EROSION CONTROL PLAN - BENNETT CIRCLE	

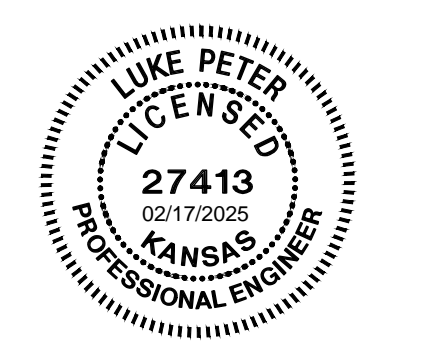
CP301
 16 OF 32

SAVED 2/17/2025 7:49:10 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:02:23 AM BY LUKE.PETER
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LEGEND

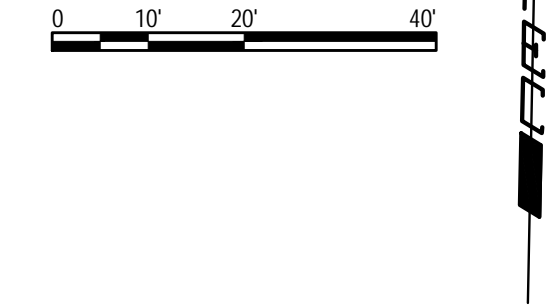
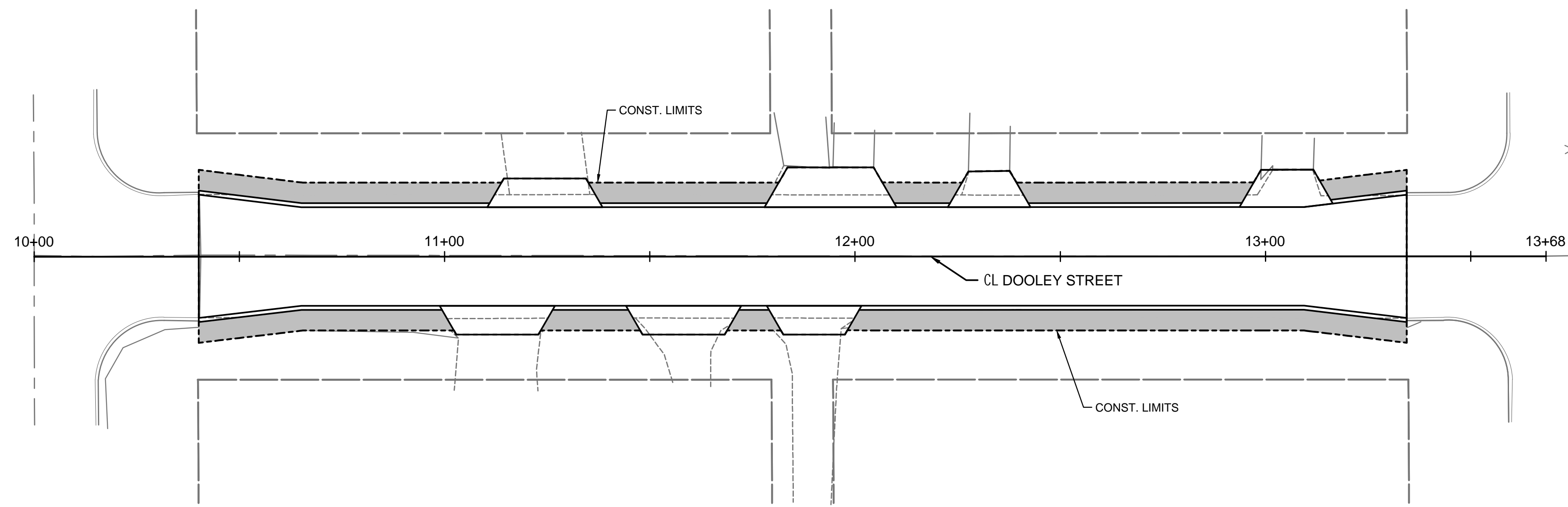
- PROPOSED SILT FENCE (PAVING)
- PROPOSED BACK OF CURB PROTECTION
- PROPOSED CURB INLET PROTECTION
- PROPOSED AREA INLET PROTECTION
- PROPOSED DITCH CHECK
- SEEDING AREA



35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:			
JOB NO.	237042-003		
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PM	TPA		
DESIGNED BY	LGP		
DRAWN BY	BJH		
CHECKED BY	TPA		
EROSION CONTROL PLAN - W. 35TH STREET			
CP302			
17 OF 32			

SAVED 2/17/2025 7:49:10 AM BY LUKE.PETER
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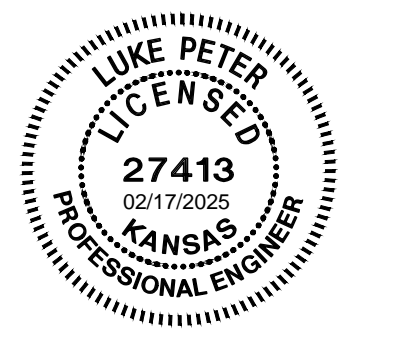
GENERAL NOTES

- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION PROTECTION THROUGHOUT THE ENTIRE PROJECT. THE FOLLOWING QUANTITIES ARE PROVIDED FOR INFORMATION ONLY.

CURB INLET PROTECTION	2	EACH
AREA INLET PROTECTION	-	EACH
BACK OF CURB PROTECTION	-	L.F.
DITCH CHECKS	2	EACH
SILT FENCE PROTECTION	300	L.F.
SEEDING	0.31	ACRE
- THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED MINIMUM STANDARDS. WHENEVER SEDIMENT ENTERS THE STREETS, STORM SEWERS, DITCHES, OR PONDS, CONTRACTOR WILL INSTALL ADDITIONAL DEVICES, AS NEEDED, TO CORRECT THE PROBLEM.
- THE EROSION CONTROL DEVICES SHOWN HEREON MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION UNTIL SUCH TIME AS THE SITE IS REESTABLISHED WITH PAVING OR GRASS. TEMPORARY OR PERMANENT SEEDING AND MULCH WILL BE INSTALLED WHEN EARTHWORK ACTIVITIES CEASE IN AN AREA FOR 14 DAYS OR MORE.
- ANY MUD INADVERTENTLY TRACKED ONTO ANY STREET SHALL BE CLEANED UP BY THE CONTRACTOR, AT THE END OF EACH DAY'S WORK, OR AS DIRECTED BY THE FIELD ENGINEER.

LEGEND

- PROPOSED SILT FENCE (PAVING)
- PROPOSED BACK OF CURB PROTECTION
- PROPOSED CURB INLET PROTECTION
- PROPOSED AREA INLET PROTECTION
- PROPOSED DITCH CHECK
- SEEDING AREA

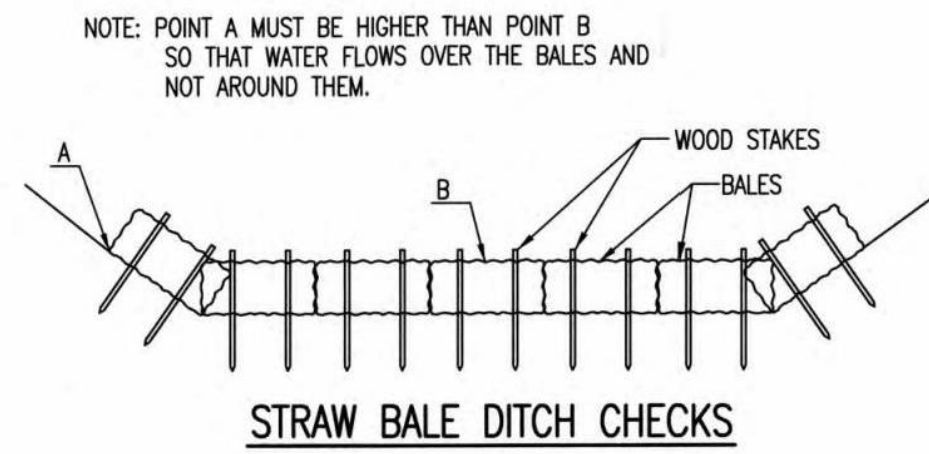


35TH ST, DOOLEY ST, 44TH ST,
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 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:		

JOB NO.	237042-003
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DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA
EROSION CONTROL PLAN - DOOLEY STREET	

SAVED 8/9/2024 8:25:41 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:02:50 AM BY LUKE.PETER
 U:\WICHITA-CIVIL\2023\237042\003\PEC\DRAWINGS\237042-003-CG503.DWG



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".

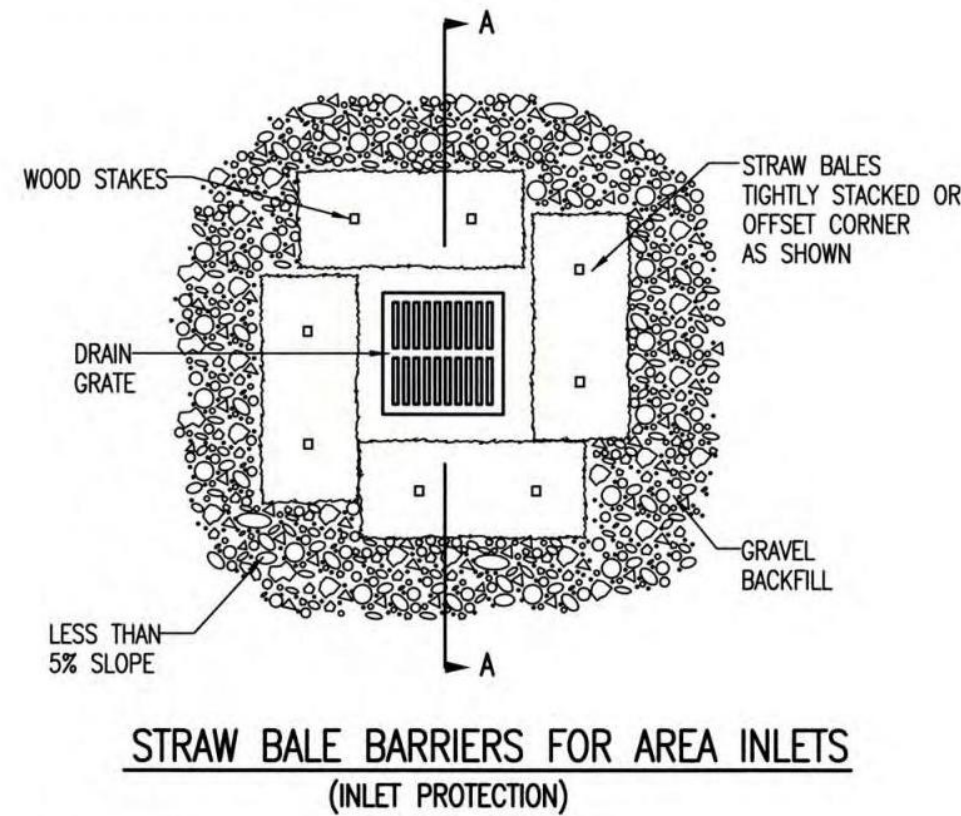
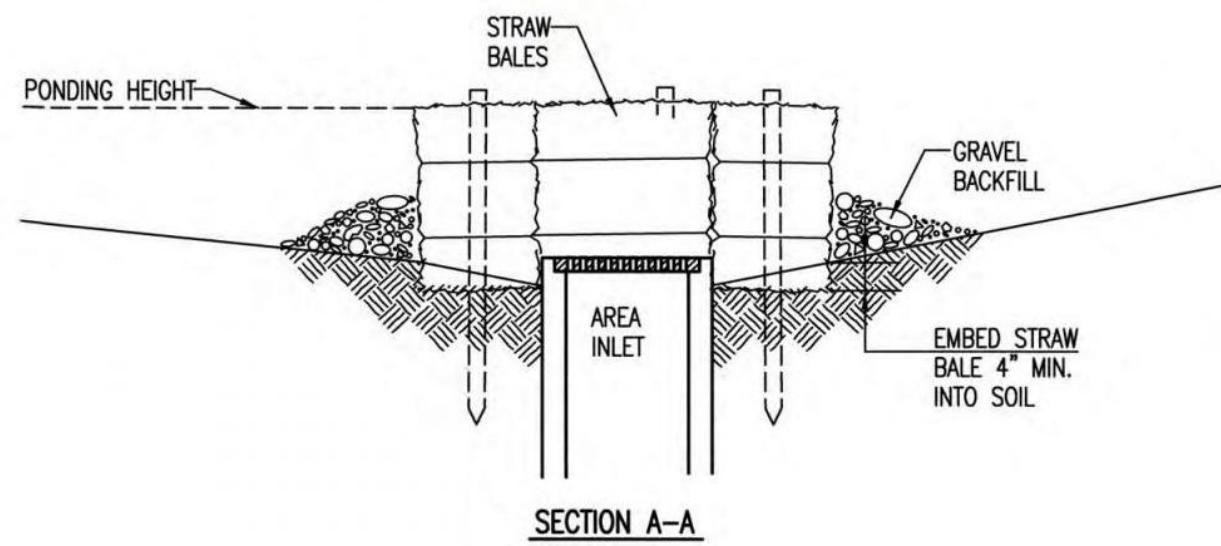
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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 AROUND THE DITCH CHECK?
- DOES WATER FLOW UNDER THE DITCH CHECK?
- DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
- ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLLODGED?
- 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 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 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.

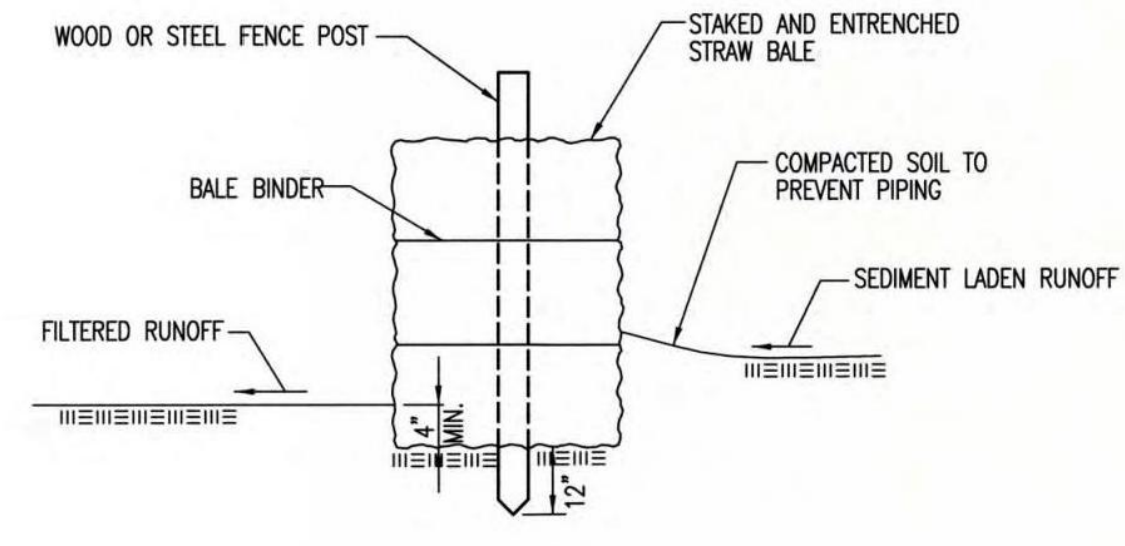
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

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 DISLLODGED?
- ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



STRAW BALE BARRIERS

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 DISLLODGED?
- ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?



<p>CITY OF WICHITA PUBLIC WORKS & UTILITIES ENGINEERING DIVISION</p>		<p>STRAW BALE DITCH CHECK AND BARRIER DETAILS</p>	
		<p>CITY ENGINEER GARY JANZEN, P.E.</p>	
PROJECT NUMBER	OCA NUMBER	DATE	
CITY ENGINEER'S OFFICE		SHEET	
CITY HALL - SEVENTH FLOOR		455 NORTH MAIN STREET	
WICHITA, KANSAS 67202-1620		(316) 268-4501	

REVISION DATE: MAY 2013

SW-503



35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

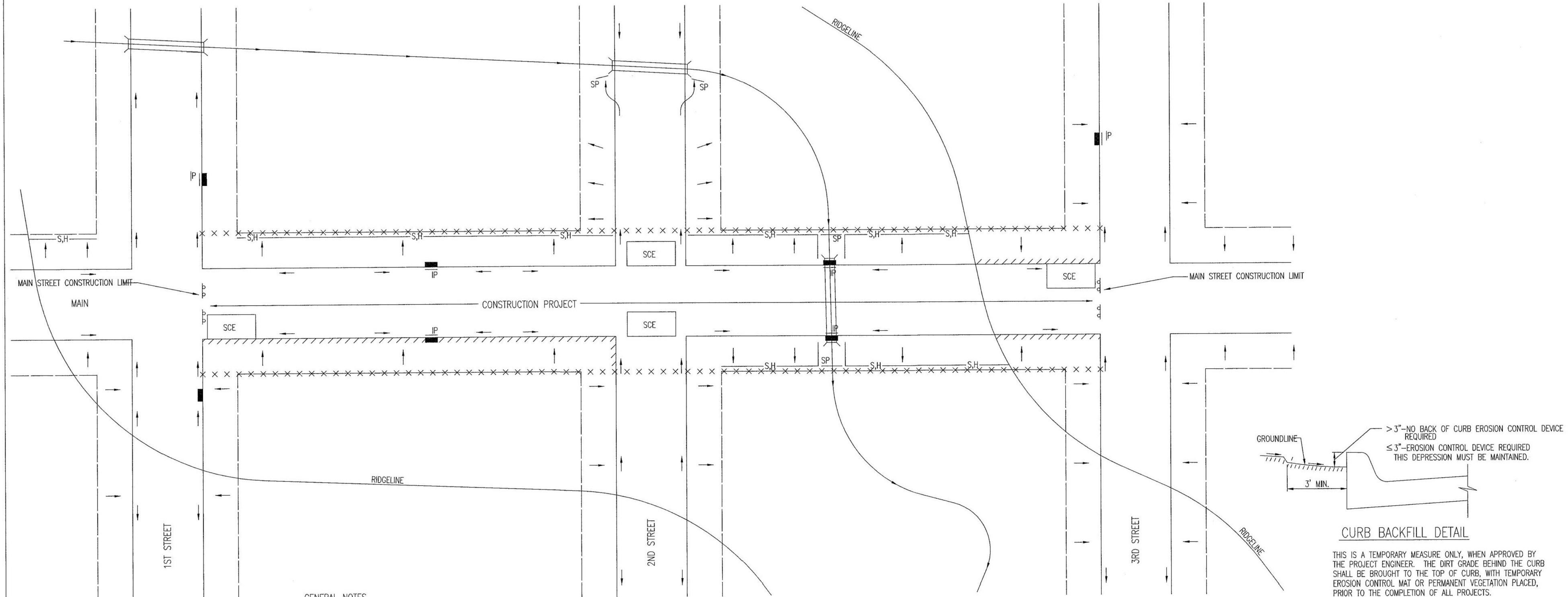
ISSUE:	
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

STRAW BALE DT CHECK AND BARR DTLS

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GENERAL NOTES

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

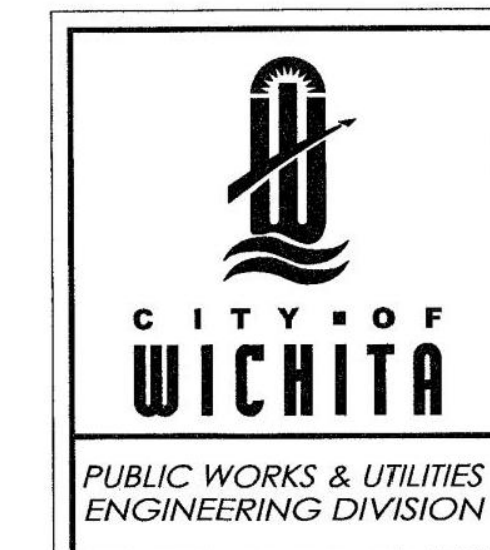
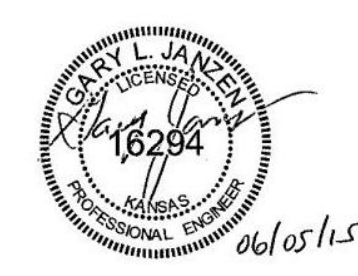


LEGEND

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

GENERAL NOTES

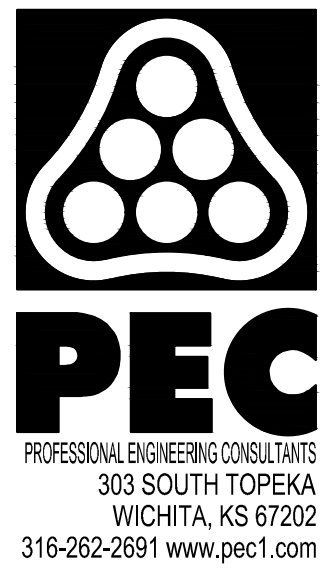
- THE INTENT OF ALL EROSION CONTROL DEVICES IS TO KEEP ALL SEDIMENT CONFINED TO THE CONSTRUCTION SITE, AND OUT OF ALL UNDERGROUND PIPES, DITCHES, LAKES, AND OTHER DRAINAGE FACILITIES, AND OFF OF STREETS.
- THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT-OF-WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.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



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

REVISION: JUNE 2015

SW-504



35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

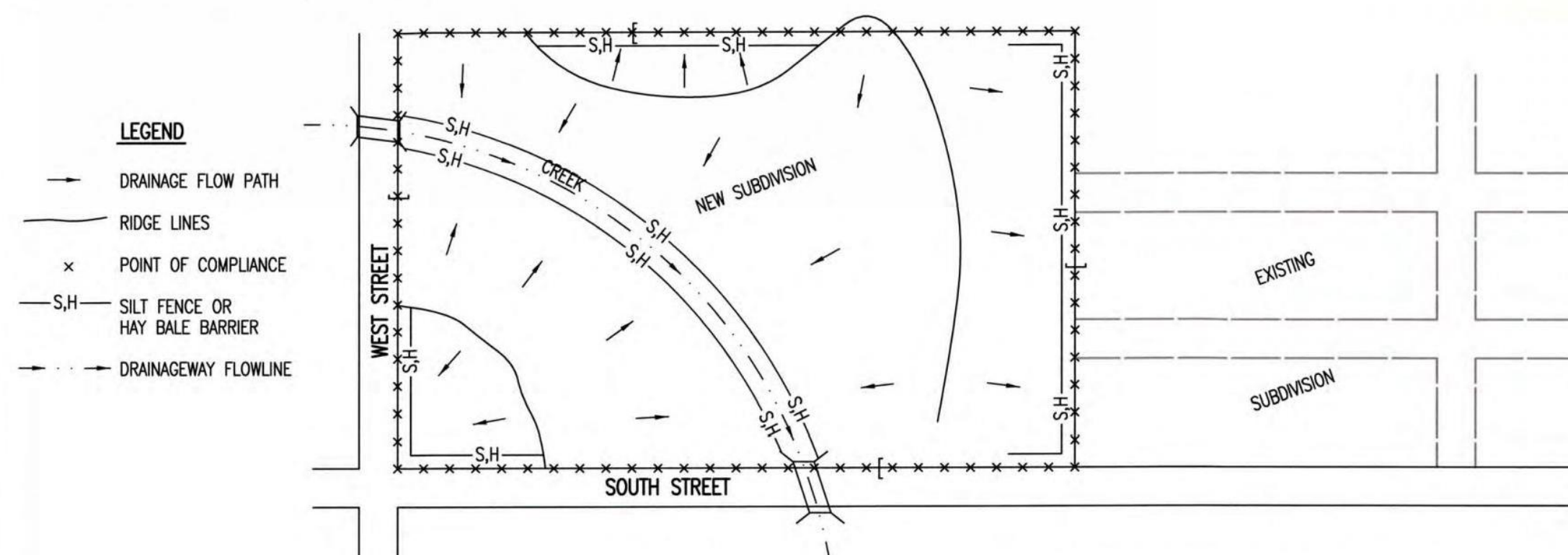
JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
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STREET IMPROVEMENT PROJECTS



35TH ST, DOOLEY ST, 44TH ST,
BENNETT CR. PAVING
IMPROVEMENTS
CITY OF WICHITA
SEDGWICK COUNTY, KANSAS

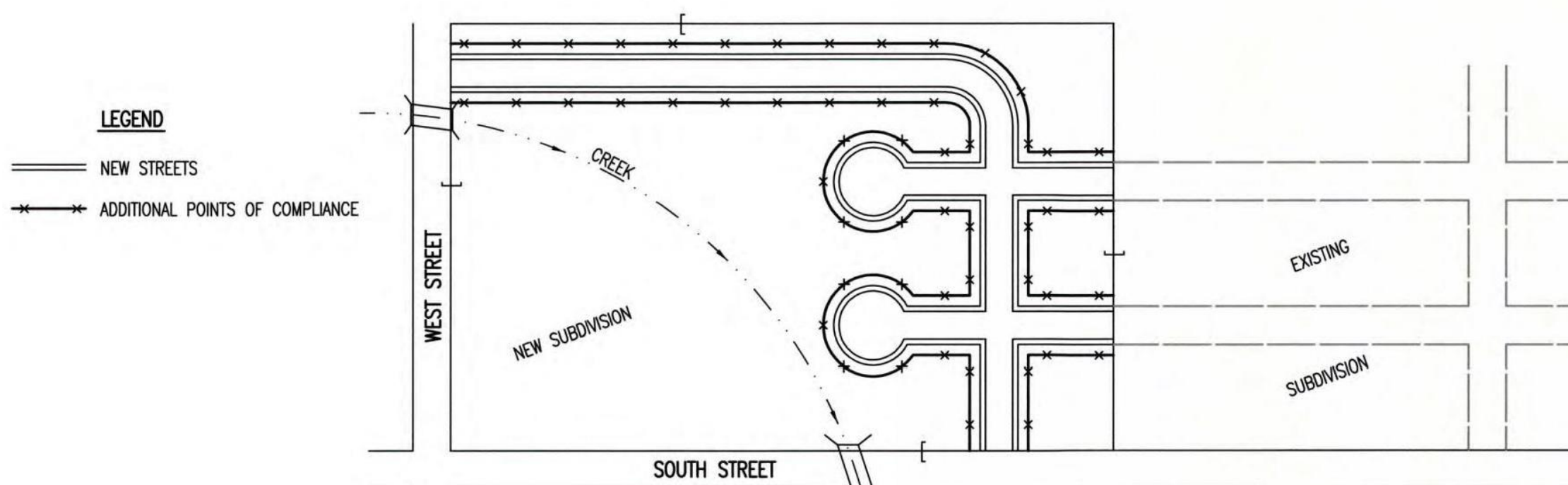
PHASE 1 - INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER)



- LEGEND**
- DRAINAGE FLOW PATH
 - RIDGE LINES
 - x POINT OF COMPLIANCE
 - S,H- SILT FENCE OR HAY BALE BARRIER
 - - - DRAINAGEWAY FLOWLINE

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

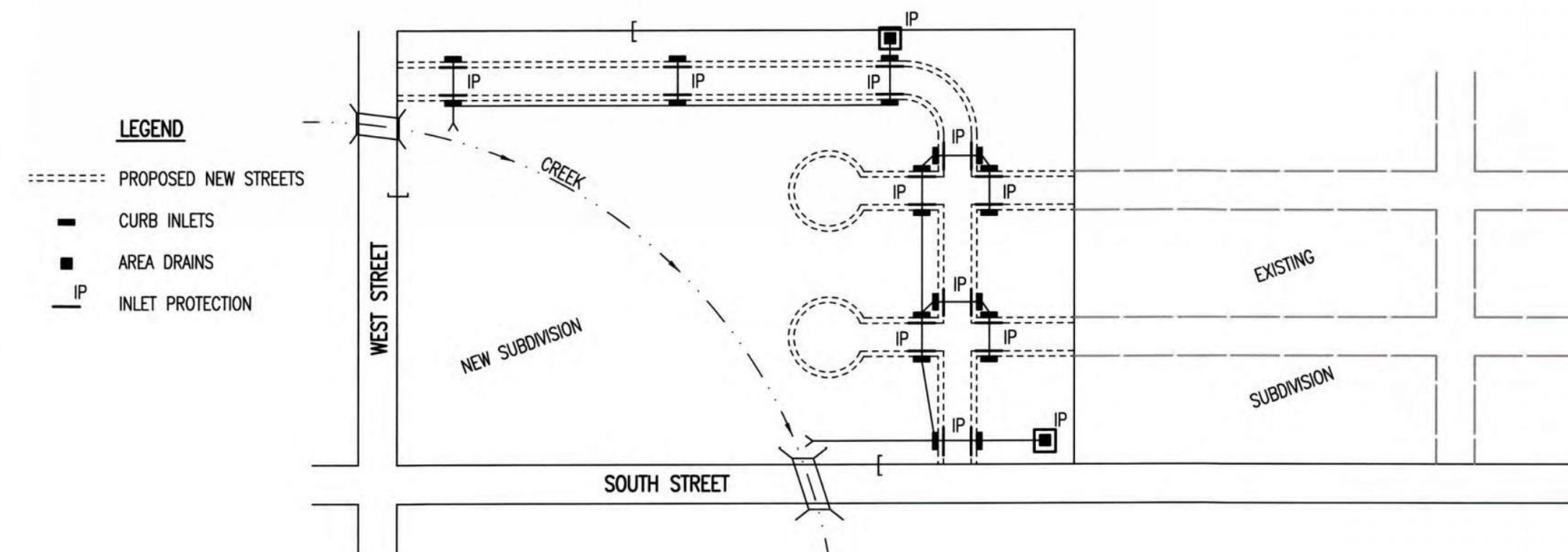
PHASE 3 - STREET CONSTRUCTION



- LEGEND**
- NEW STREETS
 - ADDITIONAL POINTS OF COMPLIANCE

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

PHASE 2 - INSTALLATION OF STORM SEWER



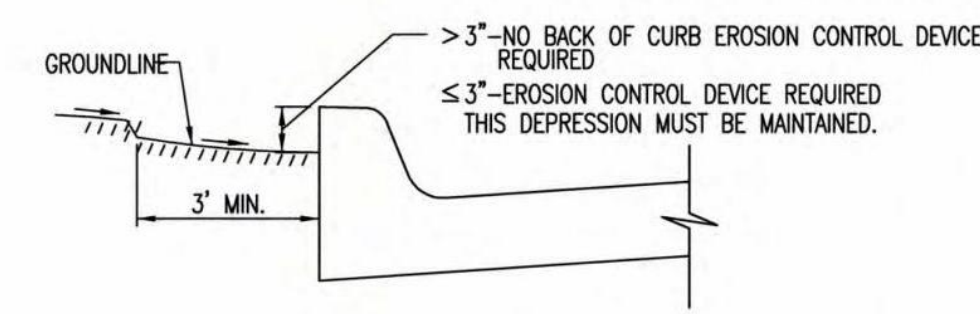
- LEGEND**
- - - PROPOSED NEW STREETS
 - CURB INLETS
 - AREA DRAINS
 - IP- INLET PROTECTION

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

GENERAL NOTES

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

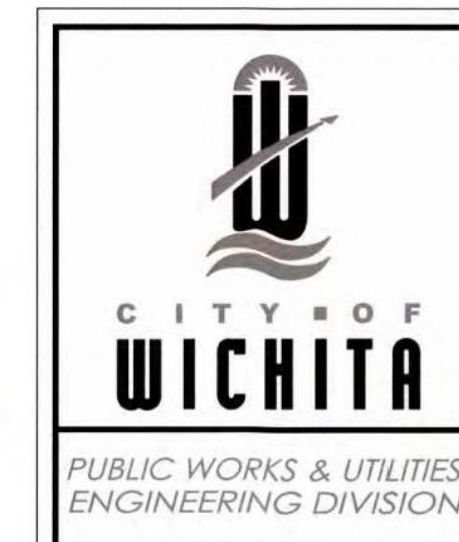
SEE DETAIL SHEET FOR BACK OF CURB PROTECTION DETAIL



CURB BACKFILL DETAIL (STREET CONSTRUCTION ONLY)

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.

REVISION DATE: MAY 2013



SUBDIVISION DEVELOPMENT PROCESS		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET

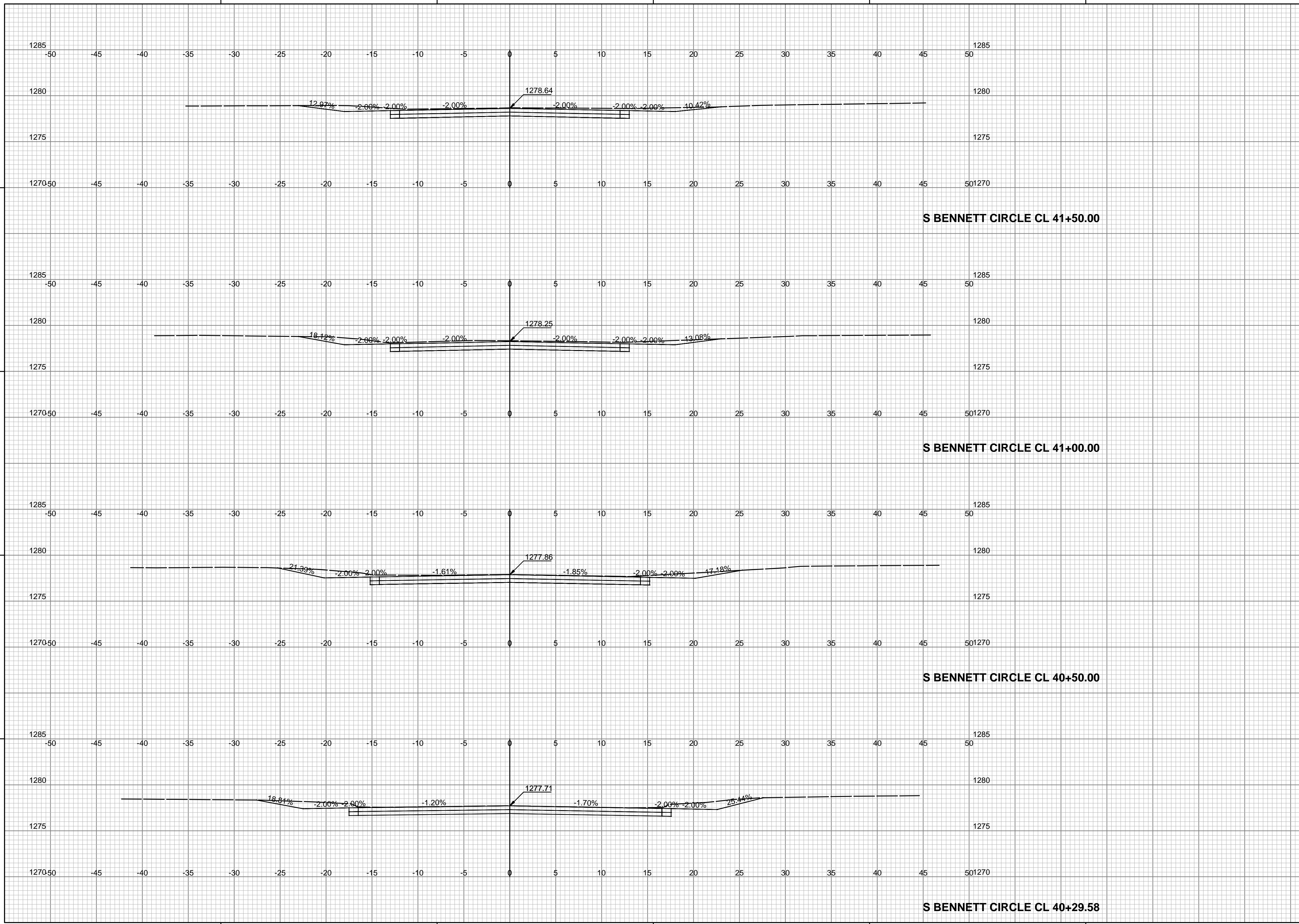
Issue:	

JOB NO.	237042-003
DATE	FEB. 2025
PM	TPA
DESIGNED BY	LGP
DRAWN BY	BJH
CHECKED BY	TPA

SUBDIVISION DEVELOPMENT PROCESS

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PLOTTED 2/17/2025 8:02:59 AM BY LUKE.PETER
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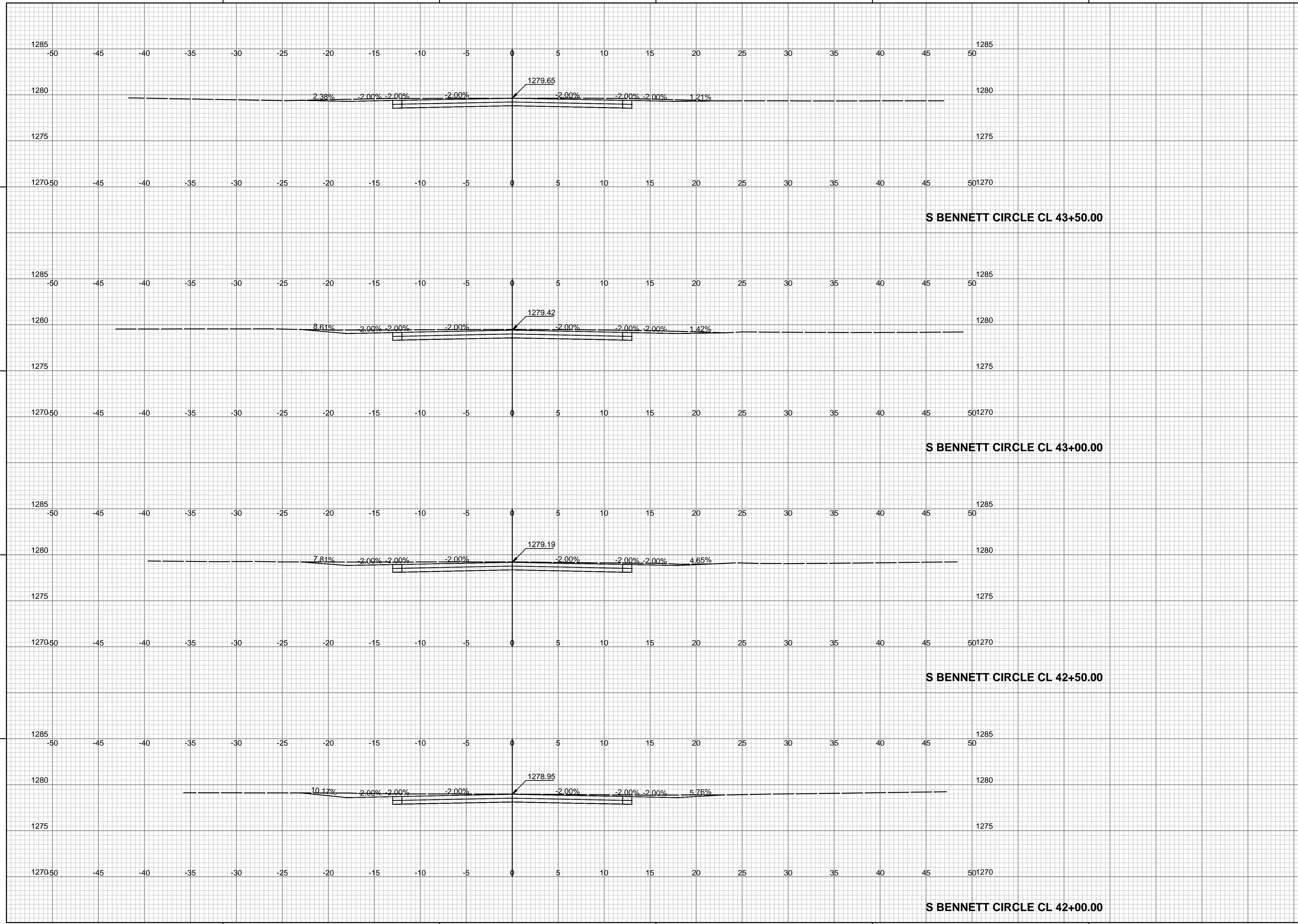
35TH ST, DOOLEY ST, 44TH ST,
 BENNETT CR. PAVING
 IMPROVEMENTS
 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:	

JOB NO.	237042-003
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S. BENNETT CIRCLE CROSS SECTIONS

SAVED 2/17/2025 7:49:57 AM BY LUKE.PETER
 PLOTTED 2/17/2025 8:03:07 AM BY LUKE.PETER
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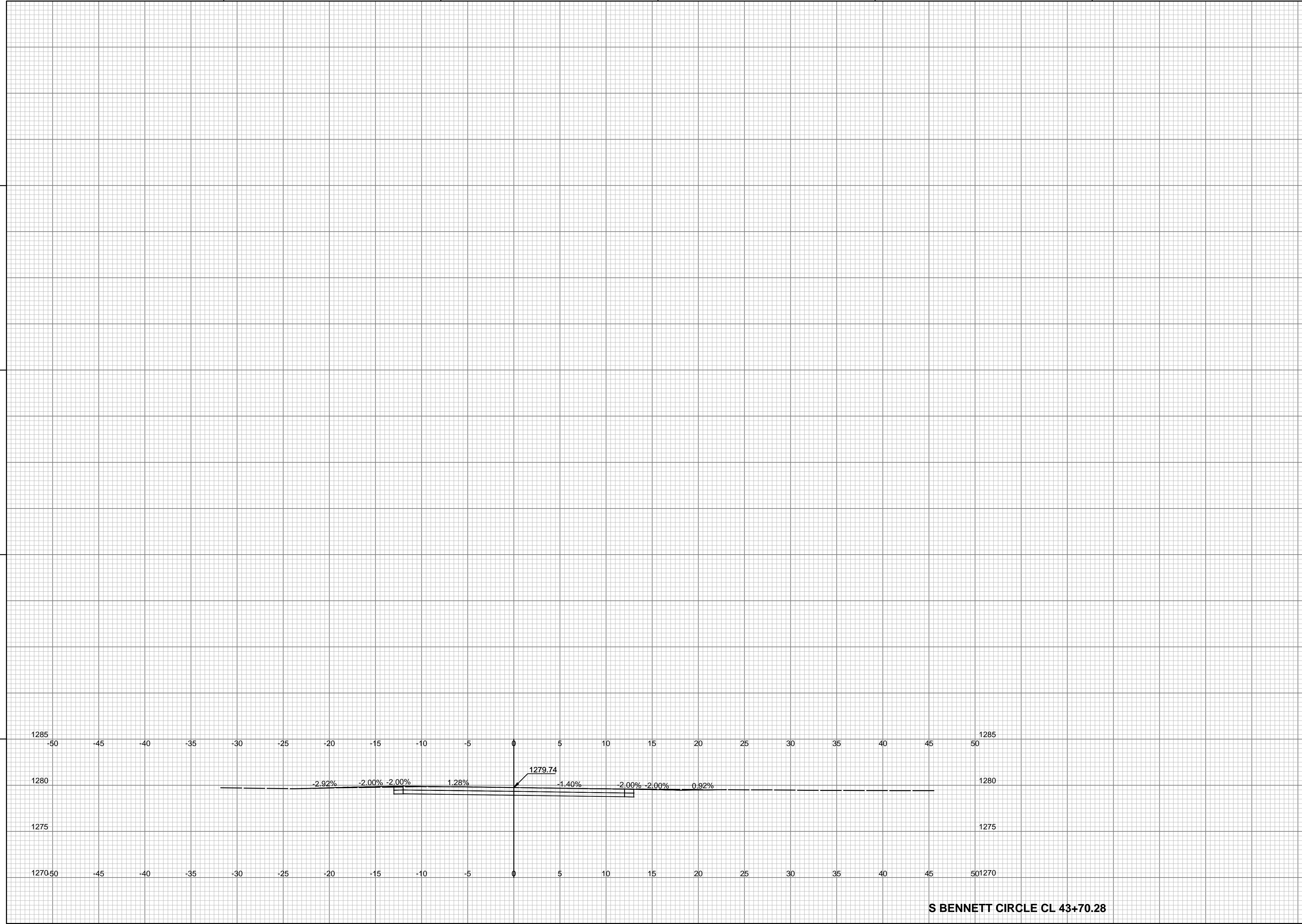
35TH ST, DOOLEY ST, 44TH ST,
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 CITY OF WICHITA
 SEDGWICK COUNTY, KANSAS

Issue:		

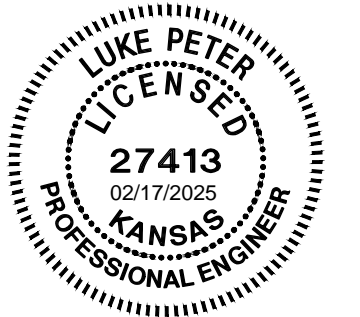
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S BENNETT CIRCLE CL 43+70.28

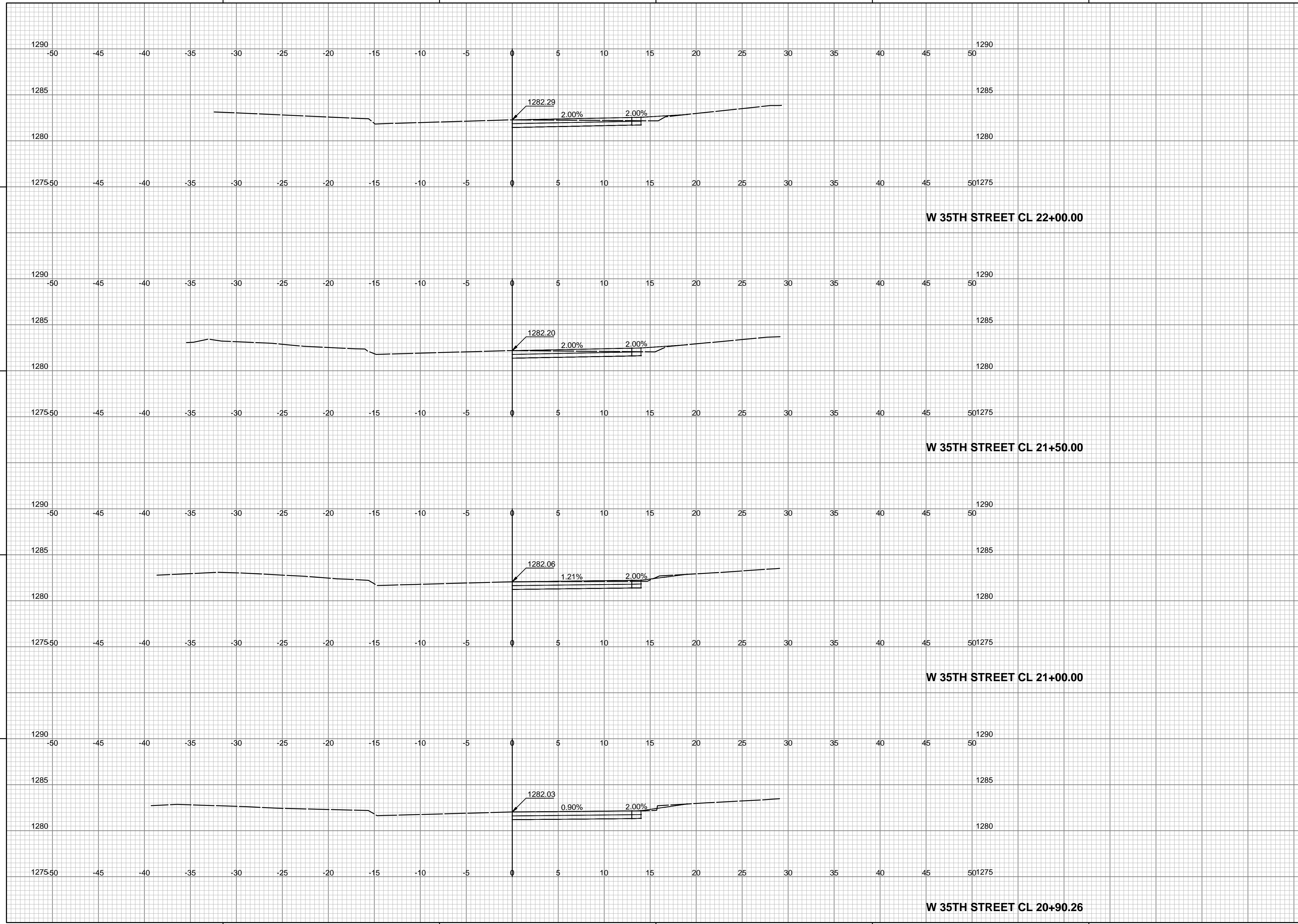


35TH ST, DOOLEY ST, 44TH ST,
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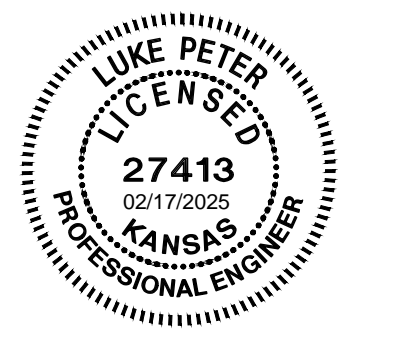
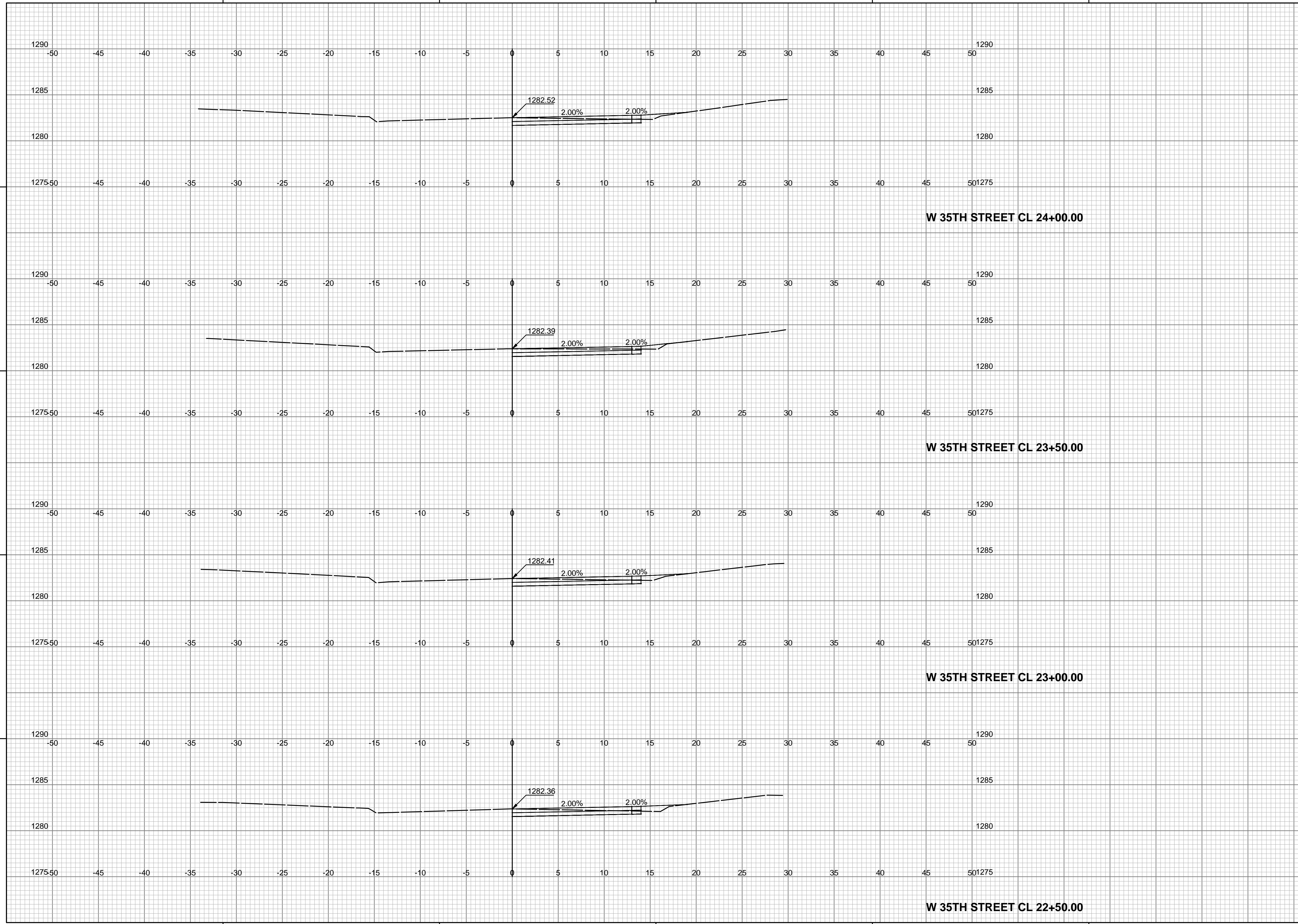
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W. 35TH STREET CROSS SECTIONS

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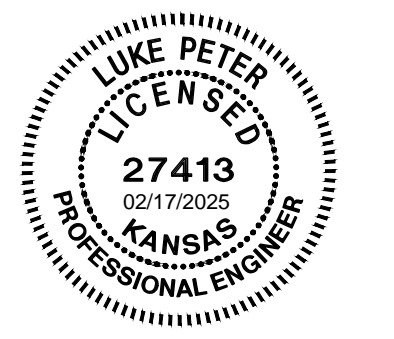
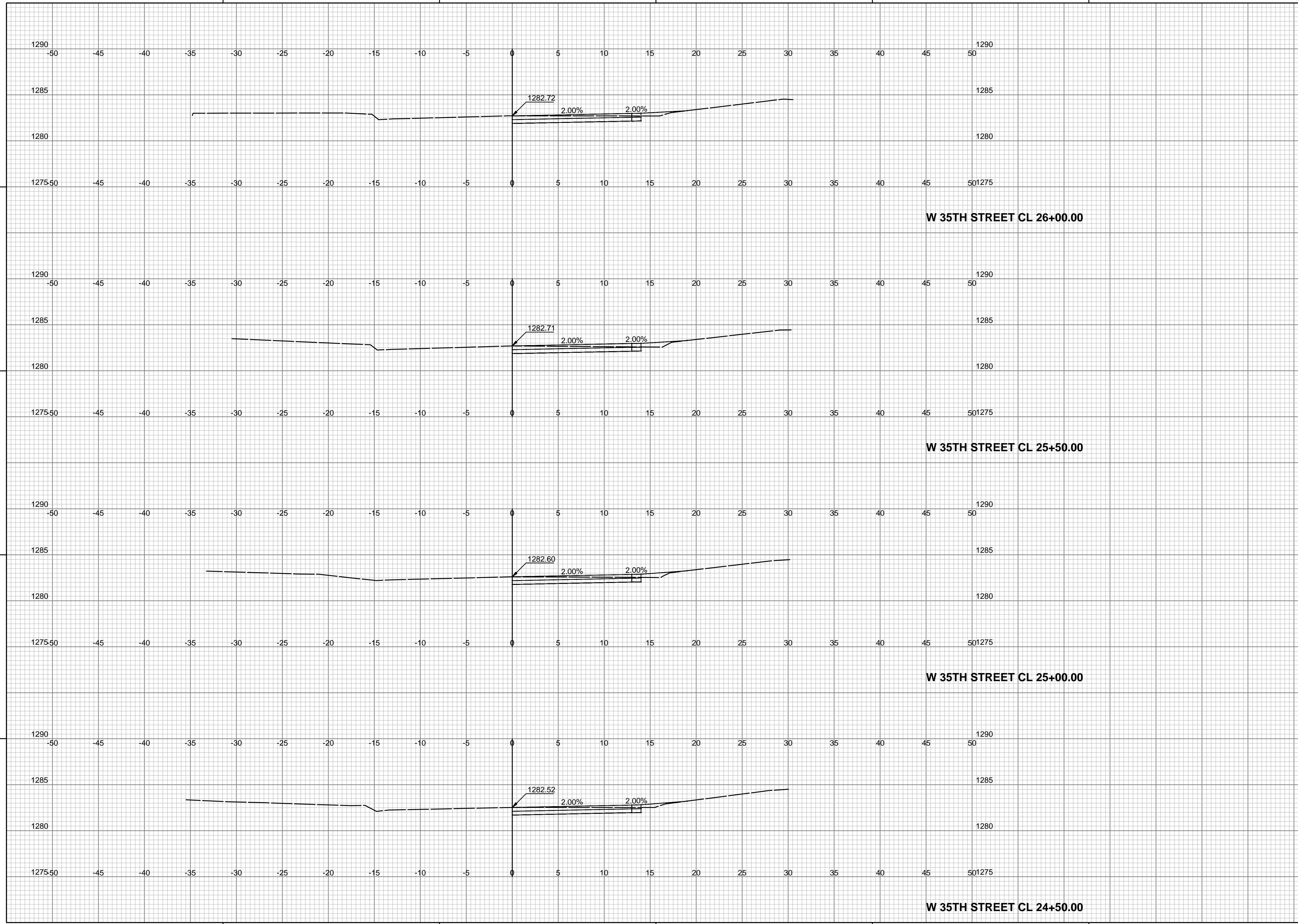
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W. 35TH STREET CROSS SECTIONS

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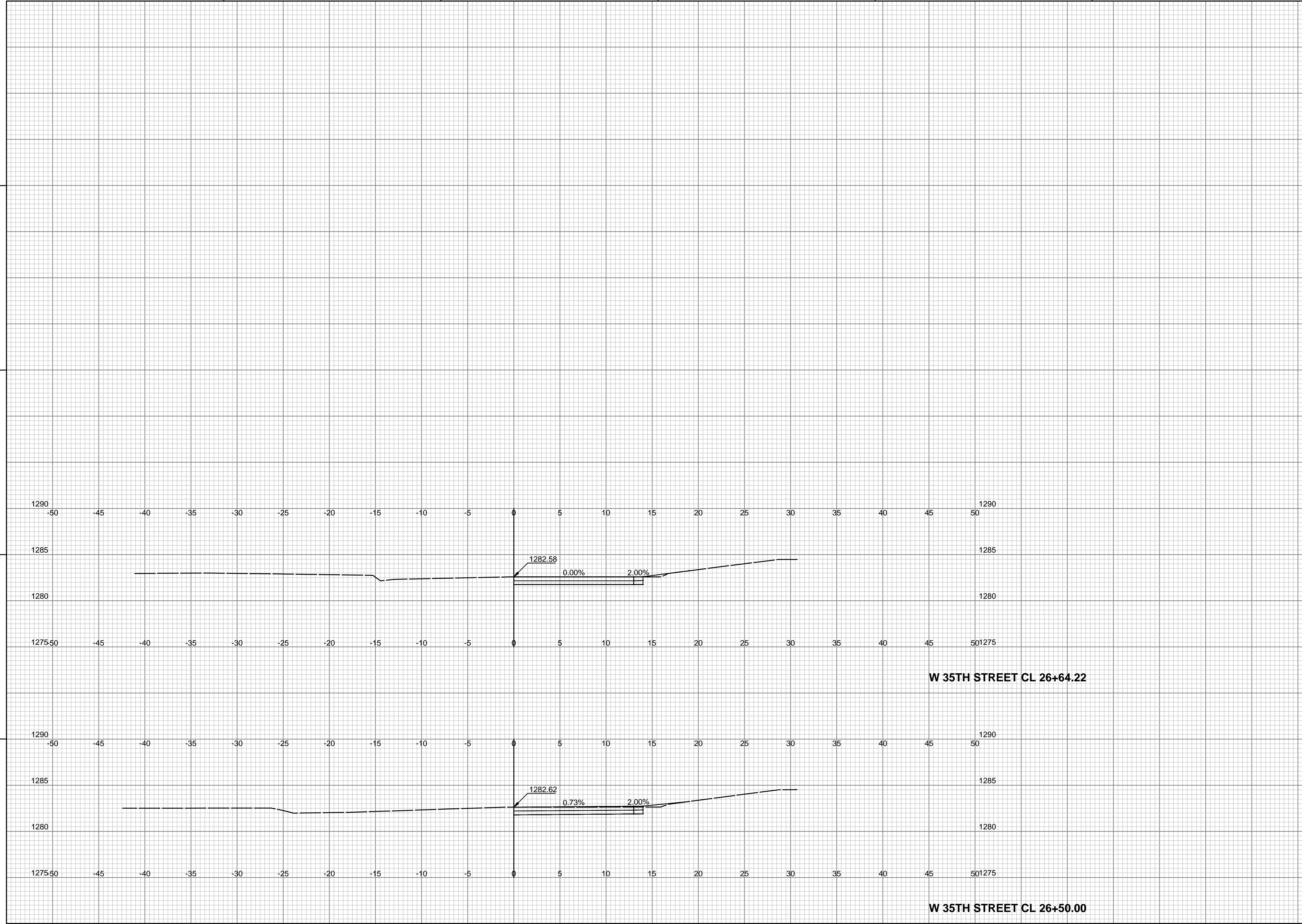
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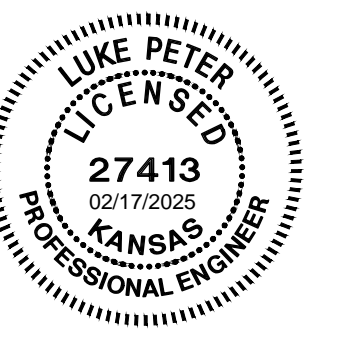
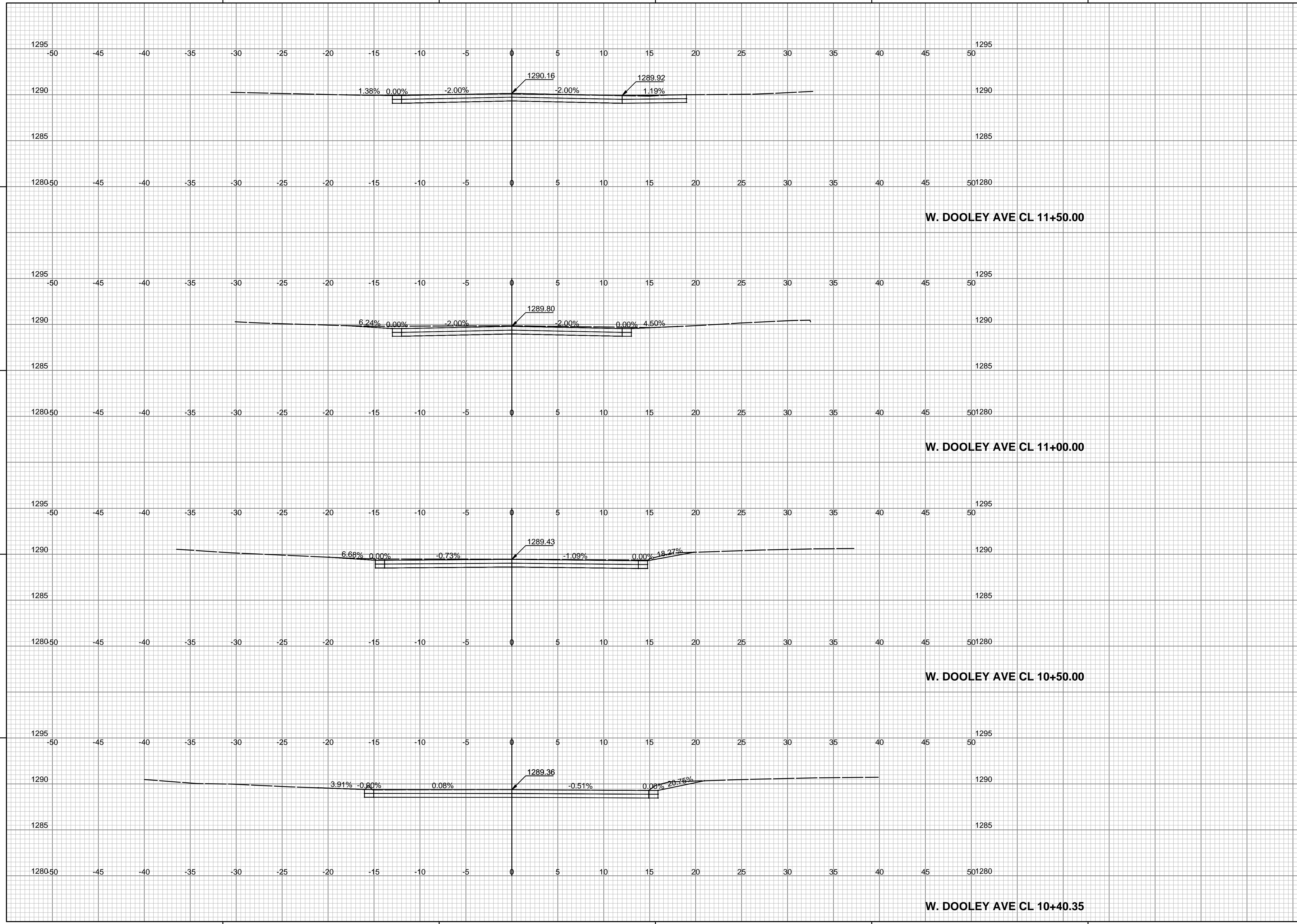
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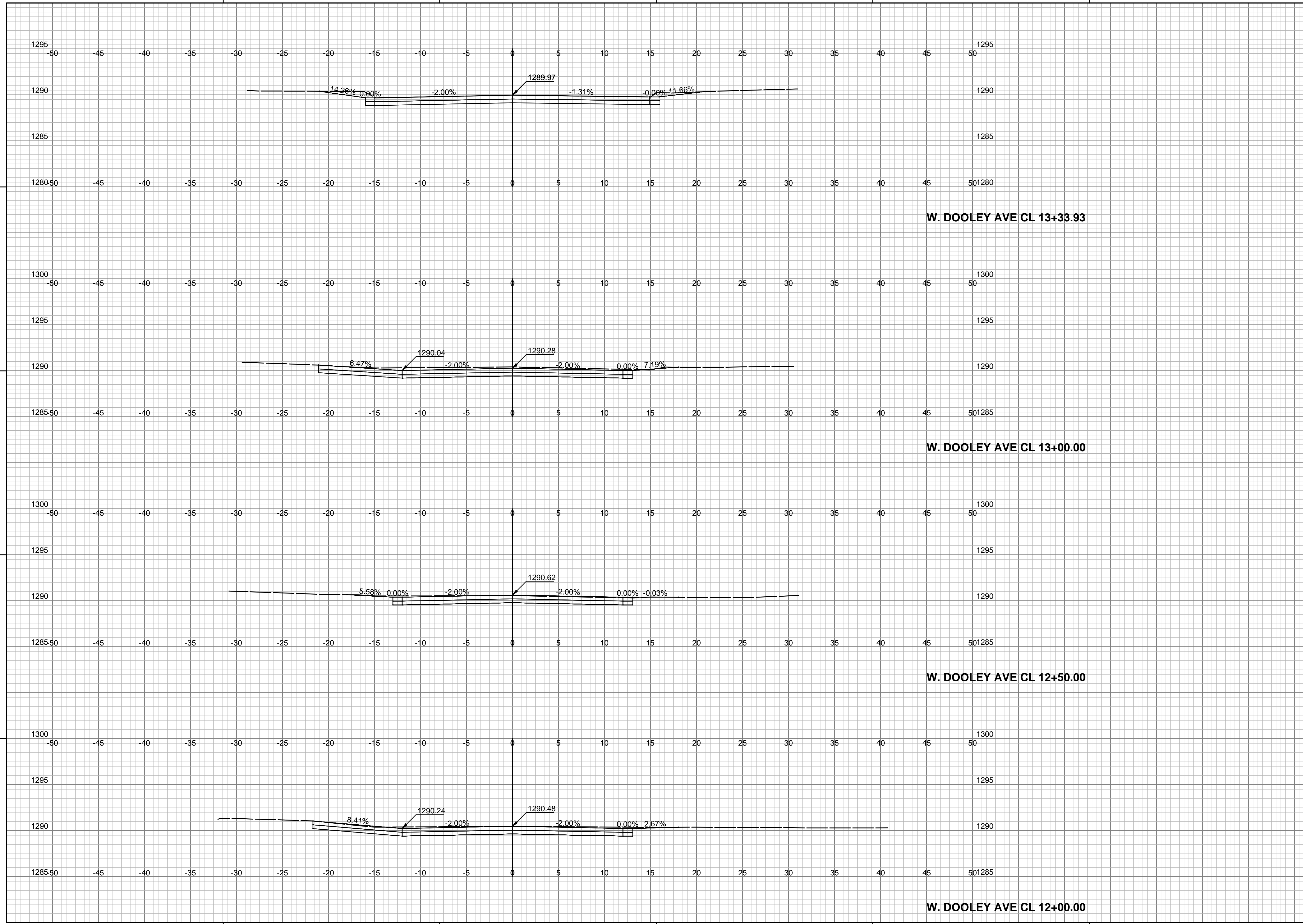
**35TH ST, DOOLEY ST, 44TH ST,
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**CITY OF WICHITA
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W. DOOLEY AVE CROSS SECTIONS

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35TH ST, DOOLEY ST, 44TH ST,
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W. DOOLEY AVE CROSS SECTIONS