PLOTTED: Thursday, October 23, 2025 @ 03:53PM

GENERAL NOTES

1. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.

2. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL	1-800-344-7233
OR (LOCAL WICHITA)	687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

AT&T	800-246-8464
BLACK HILLS ENERGY (GAS)	800-694-8989
CITY OF WICHITA WATER & SEWER	316-219-8921
CITY OF WICHITA STORMWATER	316-268-4090
CITY OF WICHITA TRAFFIC	316-268-4034
COX COMMUNICATIONS	888-249-3530
KANSAS GAS SERVICE	888-482-4950
EVERGY	800-544-4857

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS 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. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.

5. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS 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 FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

6. ALL EARTHWORK COMPACTION SHALL BE 95% STANDARD DENSITY IN ACCORDANCE WITH ASTM D-698. BERM COMPACTION SHALL BE AT 90% STANDARD DENSITY. CONTRACTOR SHALL CORRECT ANY AREAS THAT DO NOT MEET COMPACTION REQUIREMENTS, INCLUDING AREAS TESTED BY THE CITY.

7. OTHER CONSTRUCTION MAY BE UNDER WAY SIMULTANEOUSLY WITH THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH ANY CONTRACTORS CONSTRUCTING OTHER PORTIONS OF THE PROJECT.

8. EXCESS EXCAVATION SHALL BE STOCKPILED ON-SITE IN A LOCATION APPROVED BY THE OWNER

9. STAKING, TESTING AND INSPECTION WILL BE PROVIDED BY THE CITY OF WICHITA. COMPACTION TESTING, OUTSIDE OF THE RIGHT-OF-WAY, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

GENERAL GRADING NOTES

1. THIS IS DESIGN GRADING. ALL GRADES SHALL BE CONTOURED SMOOTHLY WITH GENTLE ROUNDING/SHAPING OF ALL AFFECTED LAND SURFACES. ABRUPT TRANSITIONS AT THE TOP OF SLOPES WHERE PROPOSED GRADES MEET EXISTING ARE NOT ACCEPTABLE. SURVEY STAKES FOR POND GRADING ARE FOR GENERAL GRADING PURPOSES ONLY. NOT ALL SLOPES ARE CONSTANT AND THEREFORE THE GRADING PLANS SHALL BE REFERRED TO FOR FINAL GRADE SHAPING. ALL BERMS & POND EDGES SHALL BE FINAL GRADED/SHAPED WITH A TRACK DOZER, NOT A BLADE. THE GRADING SHALL BE APPROVED BY MKEC'S LANDSCAPE ARCHITECT PRIOR TO THE ADDITION OF THE TOPSOIL LAYER.

2. EXISTING NATURAL AREAS (TREES & PASTURE) OUTSIDE OF THE NOTED LIMITS OF GRADING SHALL BE PRESERVED & SHALL BE OFF LIMITS TO ANY TYPE OF CONSTRUCTION ACTIVITY. TEMPORARY CONSTRUCTION FENCE SHALL BE ERECTED AROUND NOTED LOCATIONS PRIOR TO THE START OF CONSTRUCTION.

3. A 6" MIN. LAYER OF TOPSOIL SHALL BE STRIPPED IN ALL AREAS OF CUT AND FILL AND SAVED BACK FOR REPLACEMENT IN AREAS INDICATED. ANY EXCESS TOPSOIL SHALL BE SEPARATELY STOCK PILED ON-SITE AT AN APPROVED LOCATION. NO TOPSOIL SHALL BE PLACED WITHIN STREET R/W UNLESS SPECIFICALLY NOTED.

4. TOPSOIL SHALL BE REPLACED AT A MINIMUM DEPTH OF 6" IN ALL RESERVE AREAS, & 12" FOR BERMS. THE FINISHED GRADE SHOWN ON THE PLANS INDICATES THE SURFACE ELEVATION AFTER THE TOPSOIL LAYER HAS BEEN PLACED.

5. ANY REMAINING TOPSOIL, AFTER REPLACEMENT WITHIN RESERVE SPACES AND BERMS, SHALL BE SPREAD EVENLY ON LOTS. TOPSOIL SPREAD EVENLY ON LOTS SHALL BE ABOVE THE FINISHED GRADES INDICATED ON THE PLANS.

6. AFTER TOPSOIL STRIPPING, IF ITS DETERMINED THAT ADDITIONAL FILL MATERIAL IS NEEDED ABOVE THE COMPACTED FILL NUMBER SHOWN IN THE EARTHWORK SUMMARY, THE CONTRACTOR MAY USE TOPSOIL MATERIAL WITHIN THE LOTS, ONLY OUTSIDE OF THE SOIL PAD BOUNDARY. NO TOPSOIL SHALL BE PLACED WITHIN THE SOIL PAD BOUNDARY EXCEPT FOR REPLACEMENT ABOVE THE FINISHED GRADE INDICATED ON THE PLANS.

7. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE ON HAUL ROAD ROUTES, IF OTHER THAN THOSE INDICATED ON THE PLANS.

8. REMOVAL OF EXISTING DRIVES, PAVEMENT, STRUCTURES, AND DEBRIS SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION. DEBRIS IF CRUSHED INTO SMALL PIECES MAY BE WASTED ON SITE UNDER THE PROPOSED BERMS. THERE SHALL BE A MINIMUM OF 3' OF SOIL COVER. CONCRETE DEBRIS MAY ALSO BE WASTED ON SITE IN PROPOSED PONDS AS FISH HABITATS. COORDINATE WITH OWNER'S REPRESENTATIVE.

9. AS THE PROJECT NEARS COMPLETION, THE CONTRACTOR SHALL RIP (SCARIFY) ALL HAUL ROADS WITH AN AGRICULTURAL IMPLEMENT INTENDED FOR SUCH PURPOSES TO A DEPTH OF 18". MULTIPLE PASSES MAY BE NECESSARY TO THOROUGHLY ALLEVIATE COMPACTION.

10. TESTING SHALL BE PROVIDED BY THE CONTRACTOR. TESTING SHALL BE PERFORMED UNDER THE DIRECTION OF A CERTIFIED ENGINEERING TECHNICIAN OR PROFESSIONAL ENGINEER. ALL TESTING METHODS AND EQUIPMENT SHALL BE BASED ON CURRENT ASTM AND/OR AASHTO REQUIREMENTS.

    TESTING GUIDELINES:
    - GENERAL EARTHWORK OUTSIDE OF RIGHT-OF-WAY
      - ONE NUCLEAR DENSITY TEST PER 8" LIFT PER 2,000 SY. OR A MINIMUM OF 1 TESTS PER LOT PER LIFT (IN CENTER OF LOT).

11. PROPOSED GRADES IN THESE DRAWINGS REFLECT THE TOP OF ROADWAY AND TOP OF SURFACE ELEVATIONS. IT'S THE CONTRACTORS RESPONSIBILITY TO ADJUST THE ELEVATIONS TO REFLECT THE FUTURE PAVEMENT THICKNESS.

12. THE EARTHWORK SUMMARY SHOWN ON THIS SHEET IS AN EARTHWORK VOLUME WHICH EXCLUDES THE THICKNESS OF THE ASPHALT AND CRUSHED ROCK BASE. THE ELEVATION SHOWN ON THESE PLANS ARE FINISHED GRADE.

13. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS. INLET DEPRESSIONS NEED TO BE TIED TO CURB, GUTTER, AND PAVING.

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STORM WATER DRAINAGE #564 TO SERVE

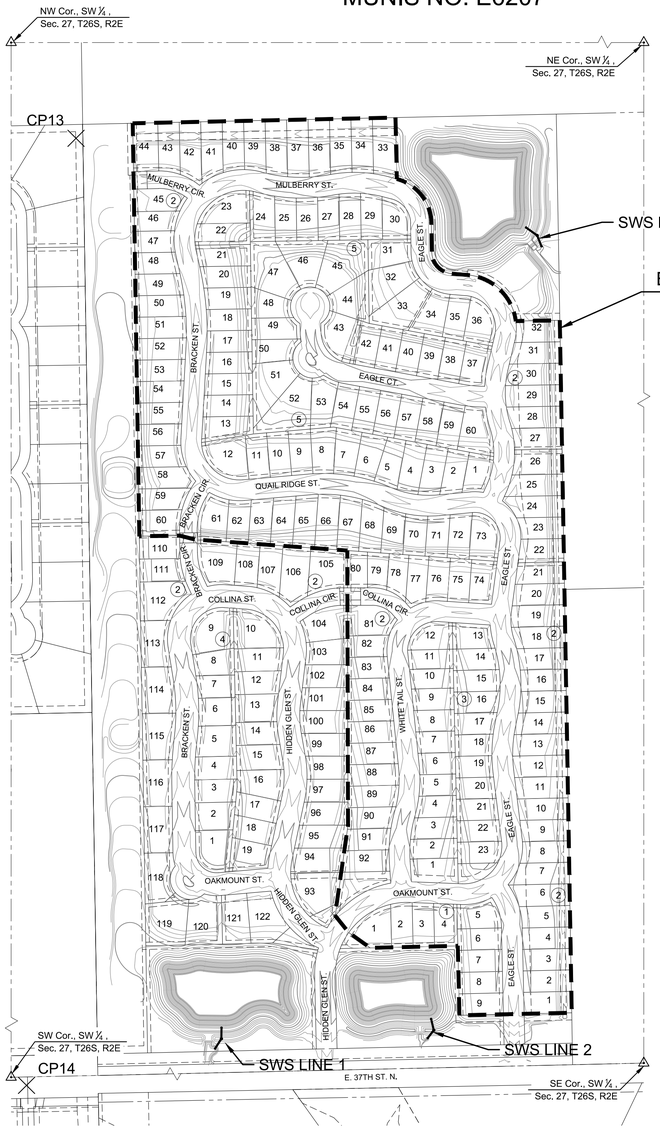
RIVINGTON ADDITION

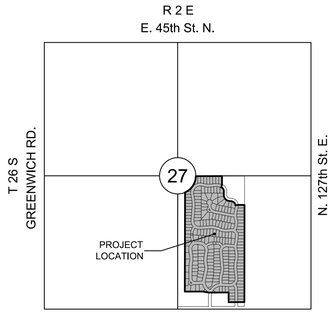
THE CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E. - CITY ENGINEER

PROJECT NO. 458-2026-085655

ORG CODE 47318526

MUNIS NO. E6207





VICINITY MAP

SCALE: NTS

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
01	TITLE SHEET
02	OVERALL GRADING PLAN
03-12	GRADING PLANS
13	SWS LINE 1-3
14-23	LOT CORNER GRADING PLANS
24-25	LOT CORNER POINTS
26-29	GRADING DETAILS
30-31	STORM WATER DETAILS
32-35	EROSION CONTROL PLAN
36	SEEDING PLAN
37-41	BMP SHEETS
42-44	FINAL PLAT

N

SCALE: 1" = 200'
0 200 400

Stormwater Certification:
New Development or Redevelopment (Circle One)

Stormwater Permit # _____

NOI Permit # _____

These construction plans were prepared in accordance with the current Stormwater management Regulations as set forth in the City of Wichita's Stormwater Management Ordinance 16.32 and the policies/guidelines presented in the Wichita/Sedgwick County Stormwater Manual.

Site Area (Acres) = 79.0
Disturbed Area (Acres) = 74.4
Water Quality Treatment: Off-Site BMP Program
Downstream Channel Protection: 9.6 ac-ft for current phases
Detention: Development Wet Ponds: 21.2 ac-ft for current phases
The BMP used for this development is Off-Site BMP Program

EARTHWORK SUMMARY

EXCAVATION	159,300 C.Y.
EXCAVATION (FROM PIPE SPOILS)	4,160 C.Y.
*COMPACTED FILL (95%)	148,600 C.Y.

* 10% SHRINK/SWELL FACTOR ADDED

EXCESS MATERIAL TO BE PLACED & COMPACTED ON SITE. LOCATION DETERMINED BY ENGINEER/OWNER'S DIRECTION

BENCHMARKS

Survey Control
2501010637 – Tabbal 37th and 127th

Datum:
The Horizontal Datum is based on the Kansas Coordinate System of 1983, NAD83(2011), EPOCH:2010.0000, South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144, State Plane coordinates can be calculated by multiplying the shown values by 0.99988.

All elevations shown are based on the NAVD 88 vertical datum, Geoid 12b.

Control Points:
CP-100
N: 1710517.797 E: 1689369.023 EL: 1371.878
Description of control point: 5/8 rebar with Aluminum MKEC control cap

CP/BM-101
N: 1710471.269 E: 1688822.586 EL: 1372.269
Description of control point: + cut in conc field entrance

CP-103
N: 1711761.631 E: 1688714.725 EL: 1387.086
Description of control point: 5/8 rebar with Red MKEC control cap

CP-104
N: 1713109.115 E: 1688675.112 EL: 1392.619
Description of control point: 5/8 rebar with Red MKEC control cap

CP-105
N: 1713141.250 E: 1689966.006 EL: 1385.169
Description of control point: 5/8 rebar with Red MKEC control cap

CP/BM-12
N: 1710384.173 E: 1686866.599 EL: 1382.187
Description of control point- Square "X" Cut on the North End of Curb Return of Island.

CP/BM-13
N: 1710453.336 E: 1688494.504 EL: 1375.087
Description of control point- "+" Cut on the midpoint of a curb return

CP-14
N: 1713100.953 E: 1688632.846 EL: 1393.105
Description of control point- 5/8" Rebar with MKEC Aluminum Cap.

Note:
All Control Points shown have elevations established using standard surveying procedures and can be used as temporary benchmarks. When using a Control point as a temporary benchmark, it is recommended that cross-checks be made to other control points or benchmarks to confirm elevations prior to use.

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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE
RIVINGTON ADDITION
WICHITA, KS

TITLE SHEET

PROJECT NO. 458-2026-085655
SCALE 1" = 200'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-001-G01
01 OF 44

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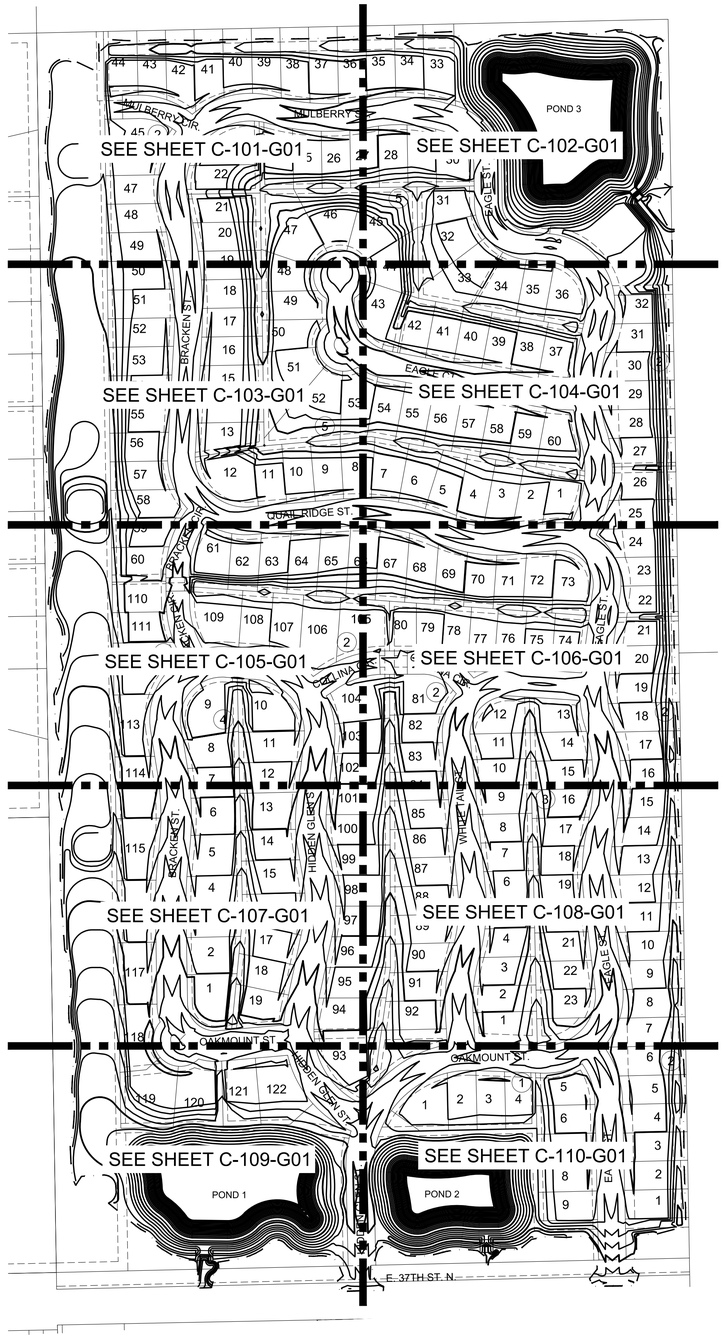

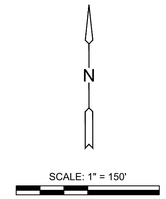

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SCOTT PRESTON LICENSED LEHMAN 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

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OVERALL GRADING PLAN

PROJECT NO.
458-2026-085655

SCALE
1" = 150'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-100-G01
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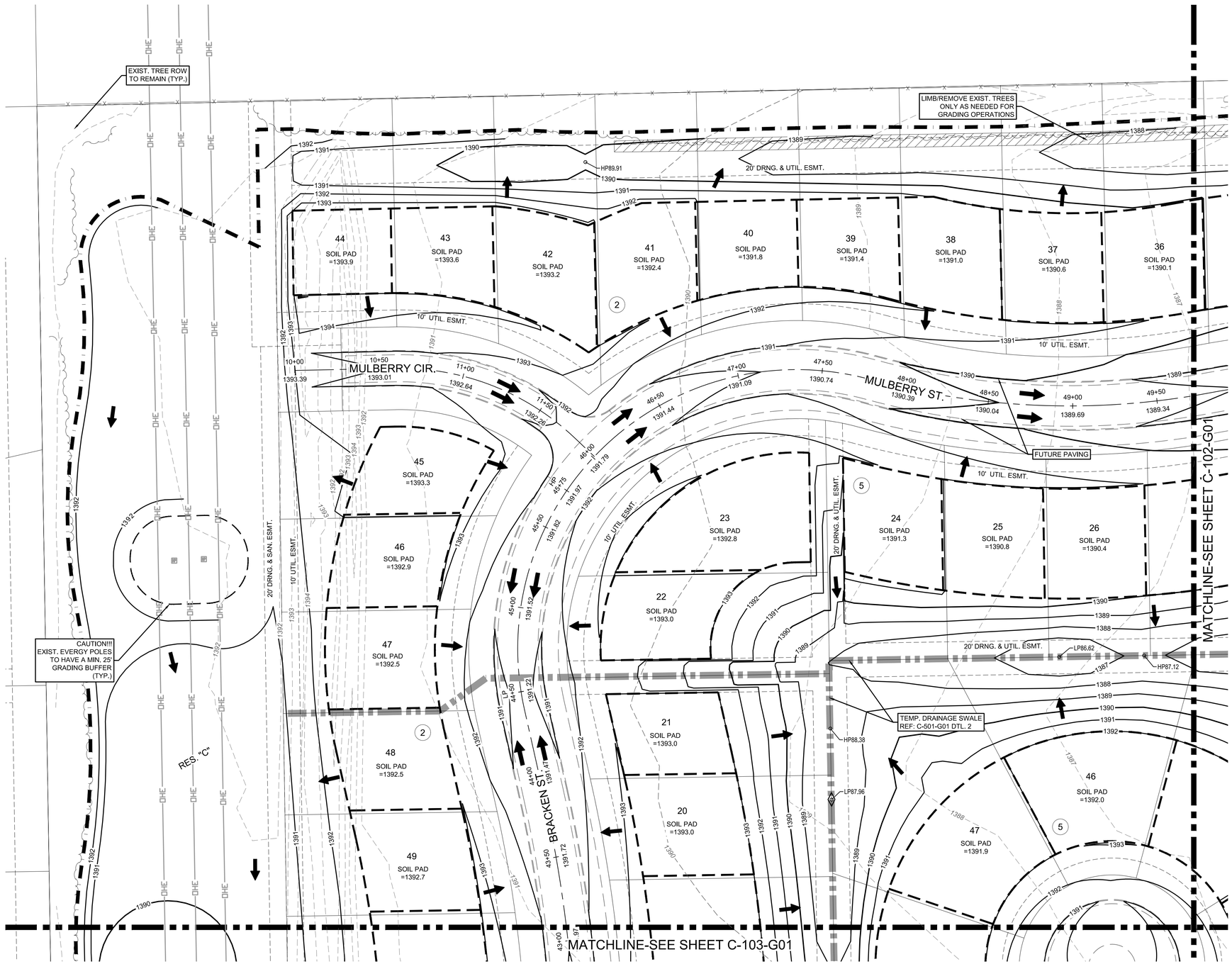

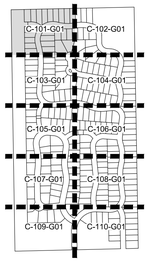

VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
SS	PROPOSED SANITARY SEWER
FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
	TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
	END OF PHASE 1 PAVING FILL TO MATCH ADJACENT FINISHED PAVEMENT GRADE. ENSURE NO STANDING WATER EXISTS.

NOTE:
1. ALIGNMENT ELEVATIONS IN ALL PAVED AREAS ARE TO TOP OF FINISHED GRADE. CONTOURS SHOWN ARE TO TOP OF FINISHED GRADE. CONSTRUCT STREET GRADES PER DETAIL 1, SHT. C-504-G01
2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.

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SCOTT PRESTON FAIR LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN (1 OF 10)

PROJECT NO.	
458-2026-085655	
SCALE	
1" = 30'	
DRAWN	DESIGNED / CHECKED
WJW	DFL / SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-101-G01
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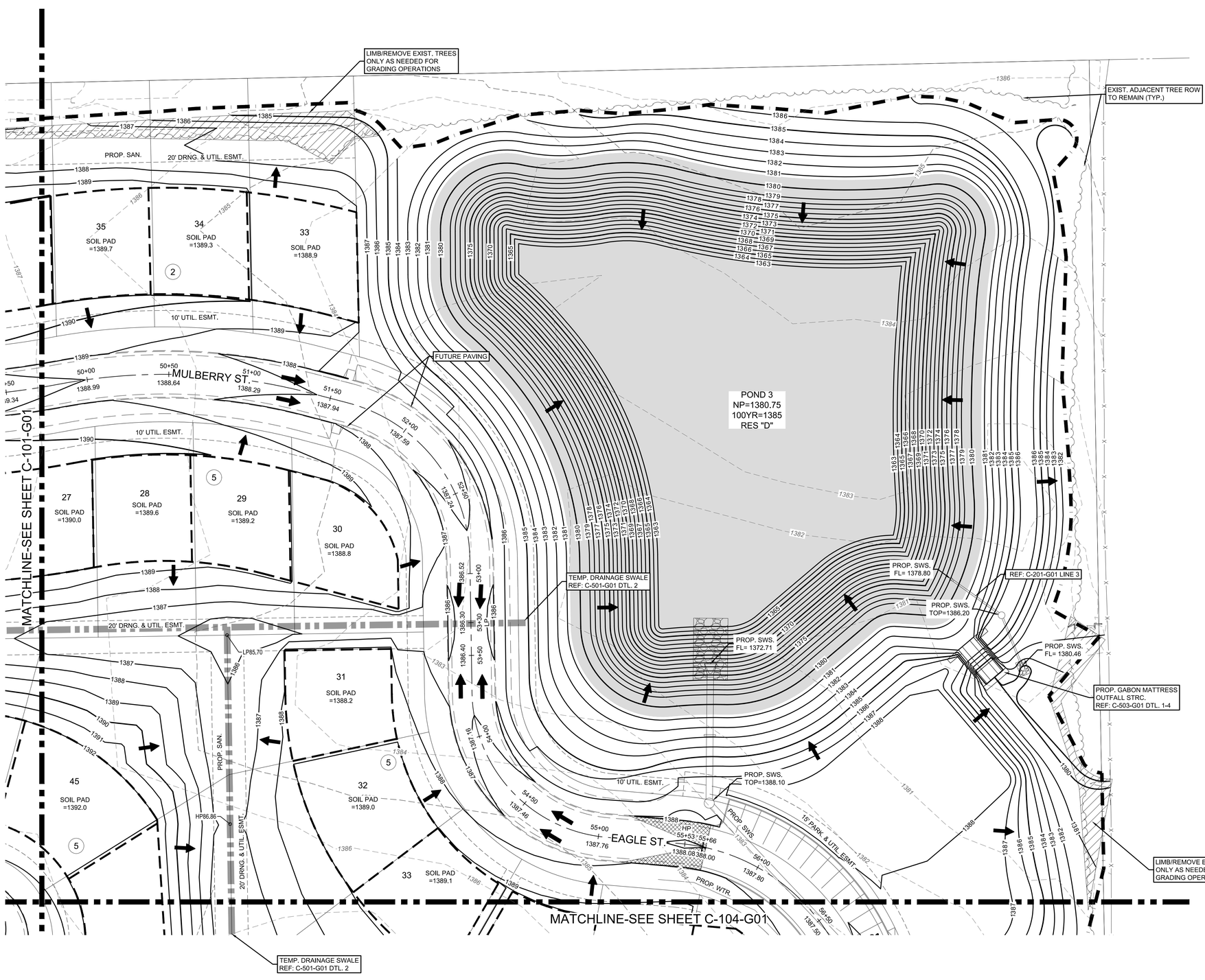

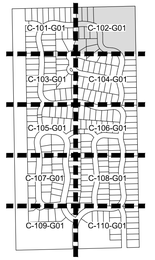

VICINITY MAP

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING WATERLINE
- EXISTING SANITARY SEWER
- EXISTING STORMWATER SEWER
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- PROPOSED SANITARY SEWER
- PROPOSED FORCED MAIN SANITARY SEWER
- LIMITS OF GRADING
- SWALE FLOWLINE
- SOIL PAD - REF: DTL 1, SHT C-501-G01
- 92.00 PROPOSED SPOT ELEVATIONS
- EX92.00 EXISTING SPOT ELEVATIONS
- FLOW ARROW
- EXISTING TREES TO BE REMOVED
- TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
- END OF PHASE 1 PAVING FILL TO MATCH ADJACENT FINISHED PAVEMENT GRADE. ENSURE NO STANDING WATER EXISTS.

NOTE:
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2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.

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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN
(2 OF 10)

PROJECT NO. 458-2026-085655
SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-102-G01
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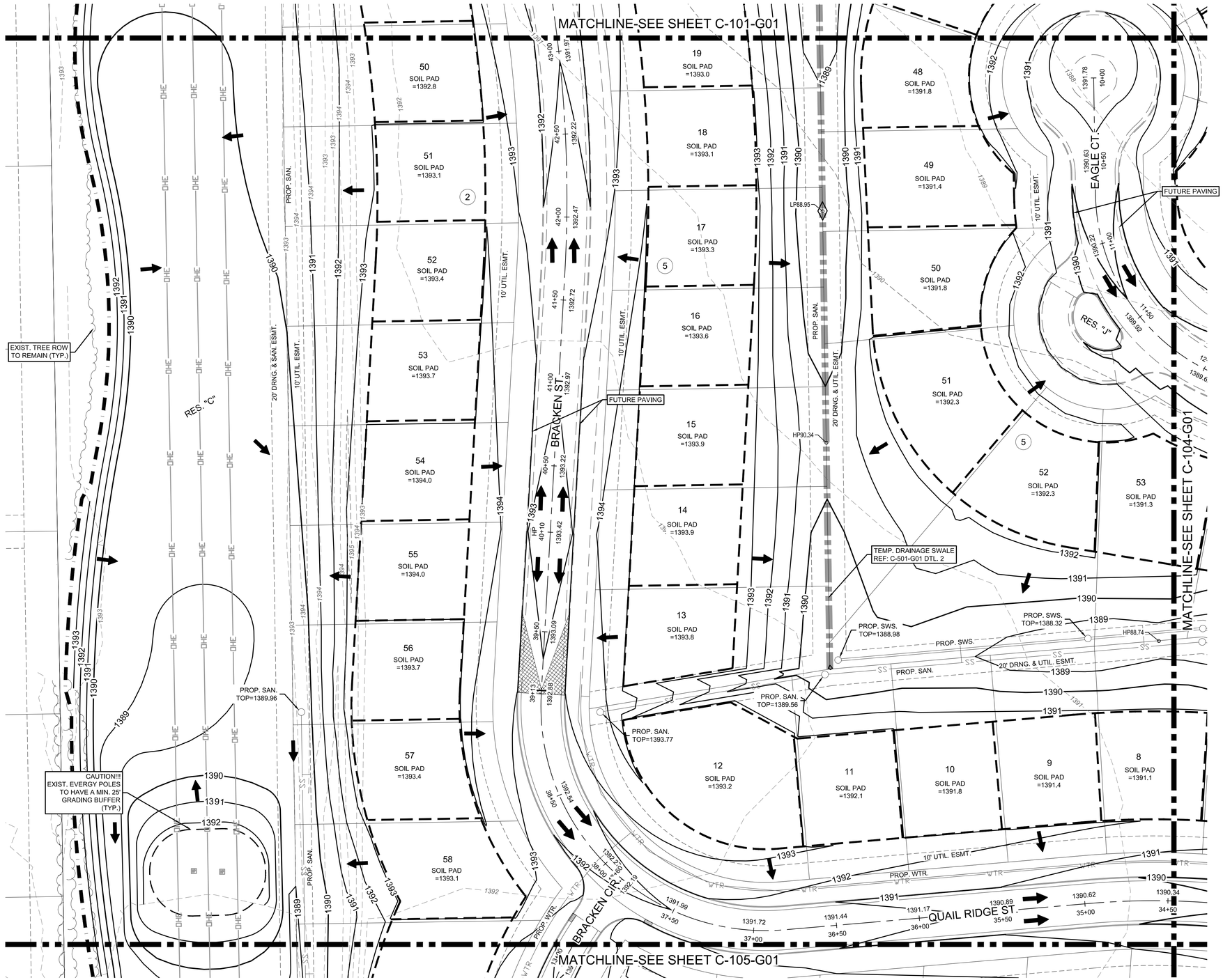

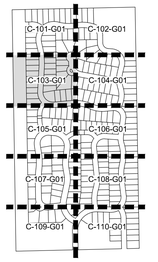

VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
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	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
	TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
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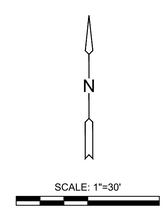
2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.



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SCOTT PRESTON LICENSED LICENSE NO. 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN
(3 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-103-G01
05 OF 44

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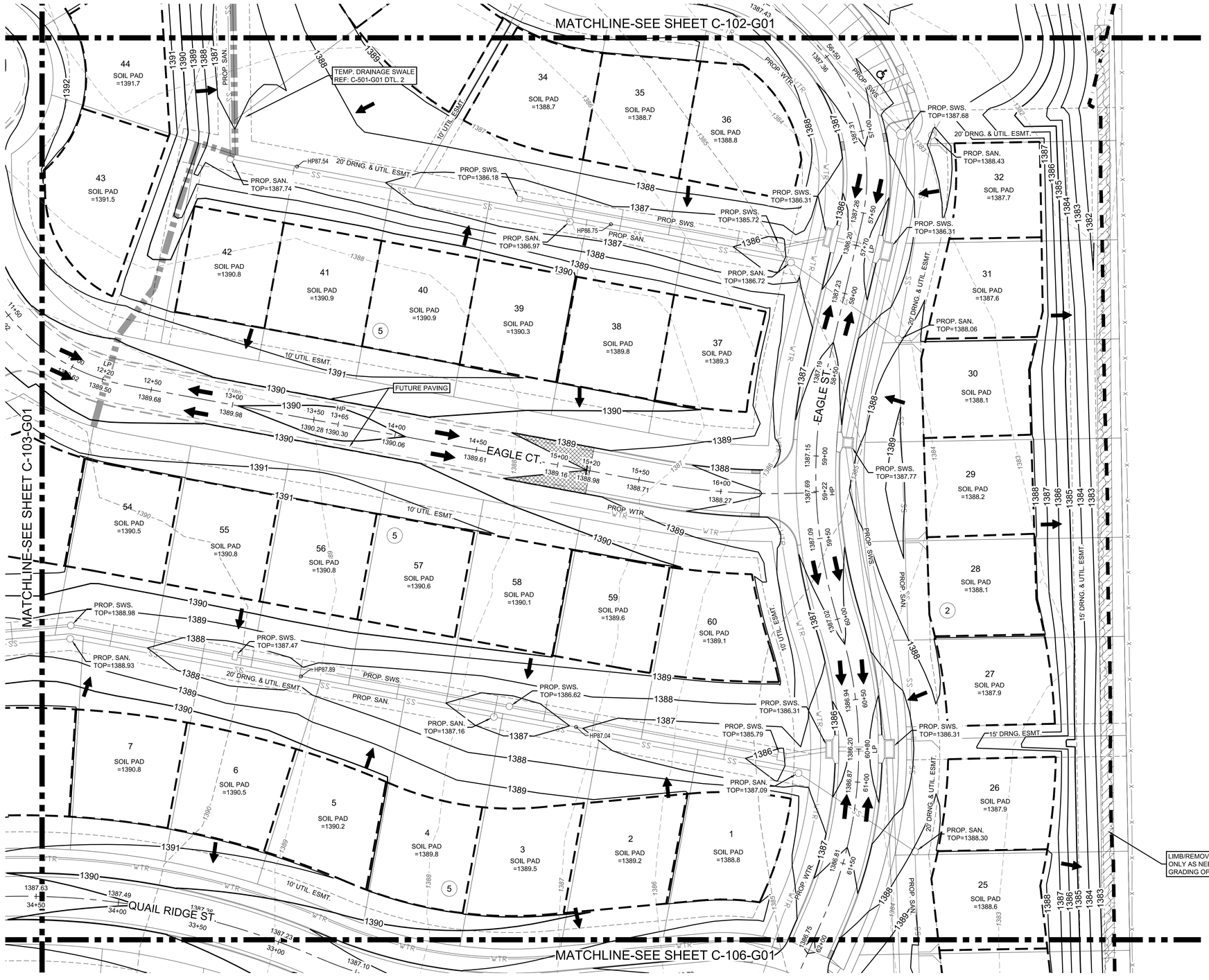

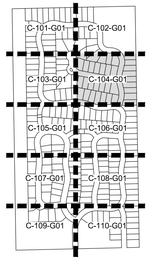

VICINITY MAP

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING WATERLINE
- EXISTING SANITARY SEWER
- EXISTING STORMWATER SEWER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GASLINE
- PROPOSED STORMWATER SEWER
- PROPOSED WATERLINE
- PROPOSED SANITARY SEWER
- PROPOSED FORCED MAIN SANITARY SEWER
- LIMITS OF GRADING
- SWALE FLOWLINE
- SOIL PAD - REF: DTL 1, SHT C-501-G01
- PROPOSED SPOT ELEVATIONS
- EXISTING SPOT ELEVATIONS
- FLOW ARROW
- EXISTING TREES TO BE REMOVED
- TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
- END OF PHASE 1 PAVING FILL TO MATCH ADJACENT FINISHED PAVEMENT GRADE. ENSURE NO STANDING WATER EXISTS.

NOTE:
1. ALIGNMENT ELEVATIONS IN ALL PAVED AREAS ARE TO TOP OF FINISHED GRADE. CONTOURS SHOWN ARE TO TOP OF FINISHED GRADE. CONSTRUCT STREET GRADES PER DETAIL 1, SHT. C-504-G01
2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.

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SCOTT PRESTON EVANS
LICENSED
24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

RIVINGTON ADDITION

STORM WATER DRAINAGE

WICHITA, KS

GRADING PLAN
(4 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-104-G01
06 OF 44

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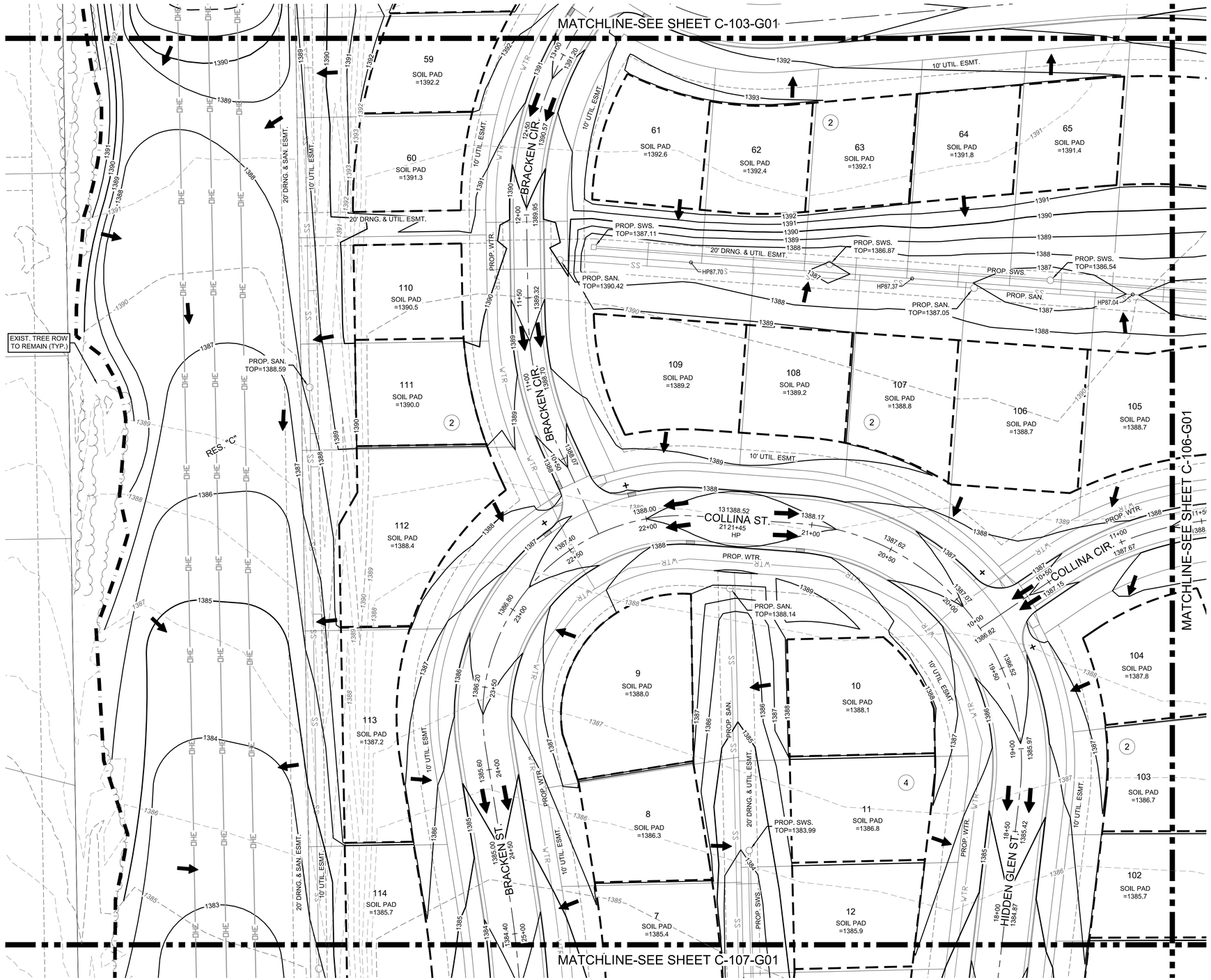

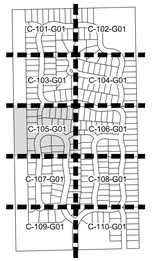

VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
SS	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
SS	PROPOSED SANITARY SEWER
FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
	TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
	END OF PHASE 1 PAVING FILL TO MATCH ADJACENT FINISHED PAVEMENT GRADE. ENSURE NO STANDING WATER EXISTS.

NOTE:
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2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.

N

SCALE: 1"=30'
0 30 60

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10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN
(5 OF 10)

PROJECT NO. 458-2026-085655
SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-105-G01
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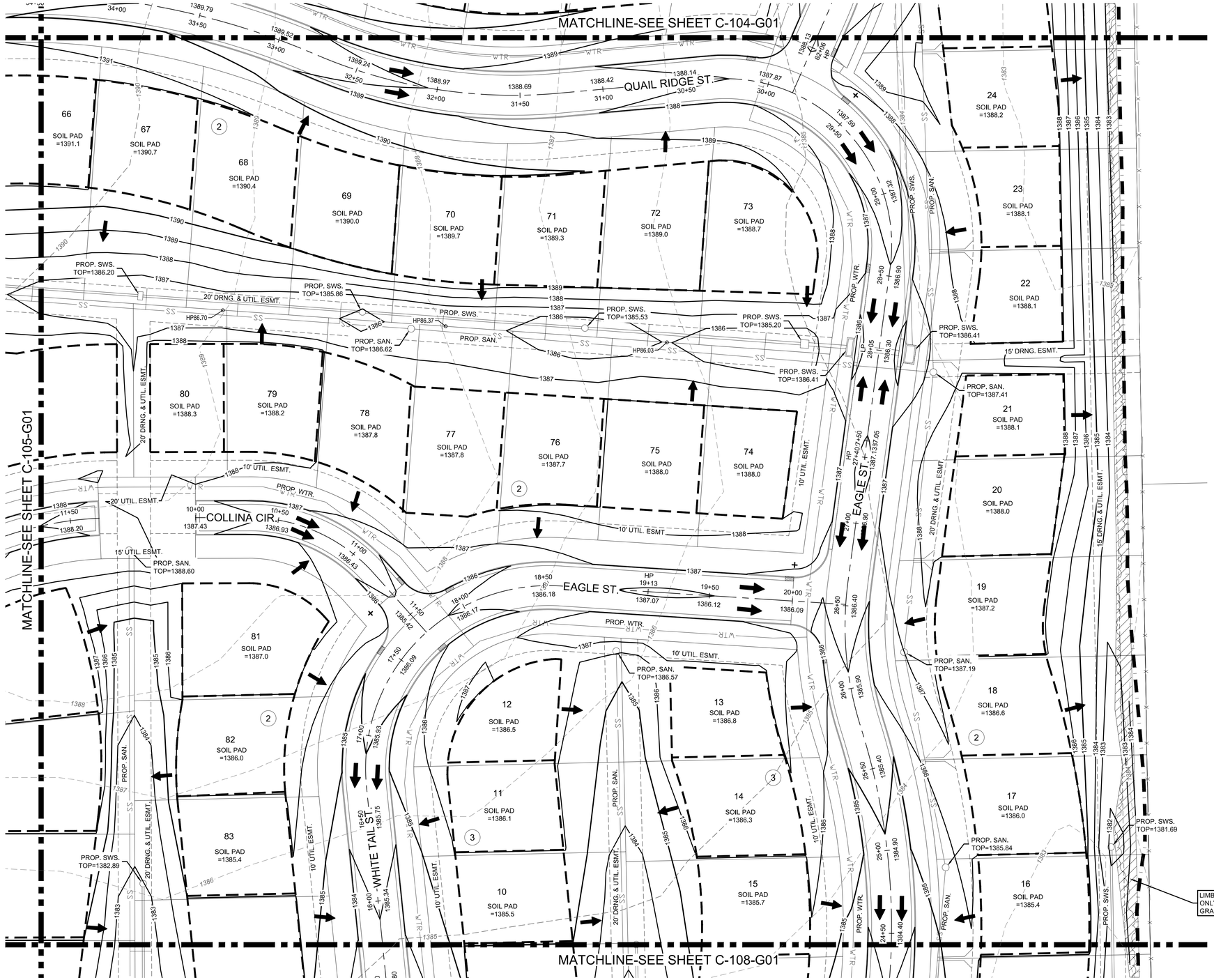

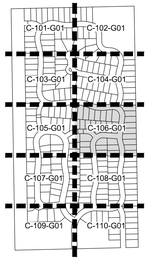

VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
SS	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
SS	PROPOSED SANITARY SEWER
FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
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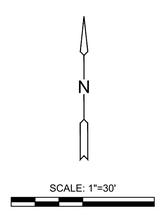

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SCOTT PRESTON LICENSED LANDSCAPE ARCHITECT 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN (6 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-106-G01
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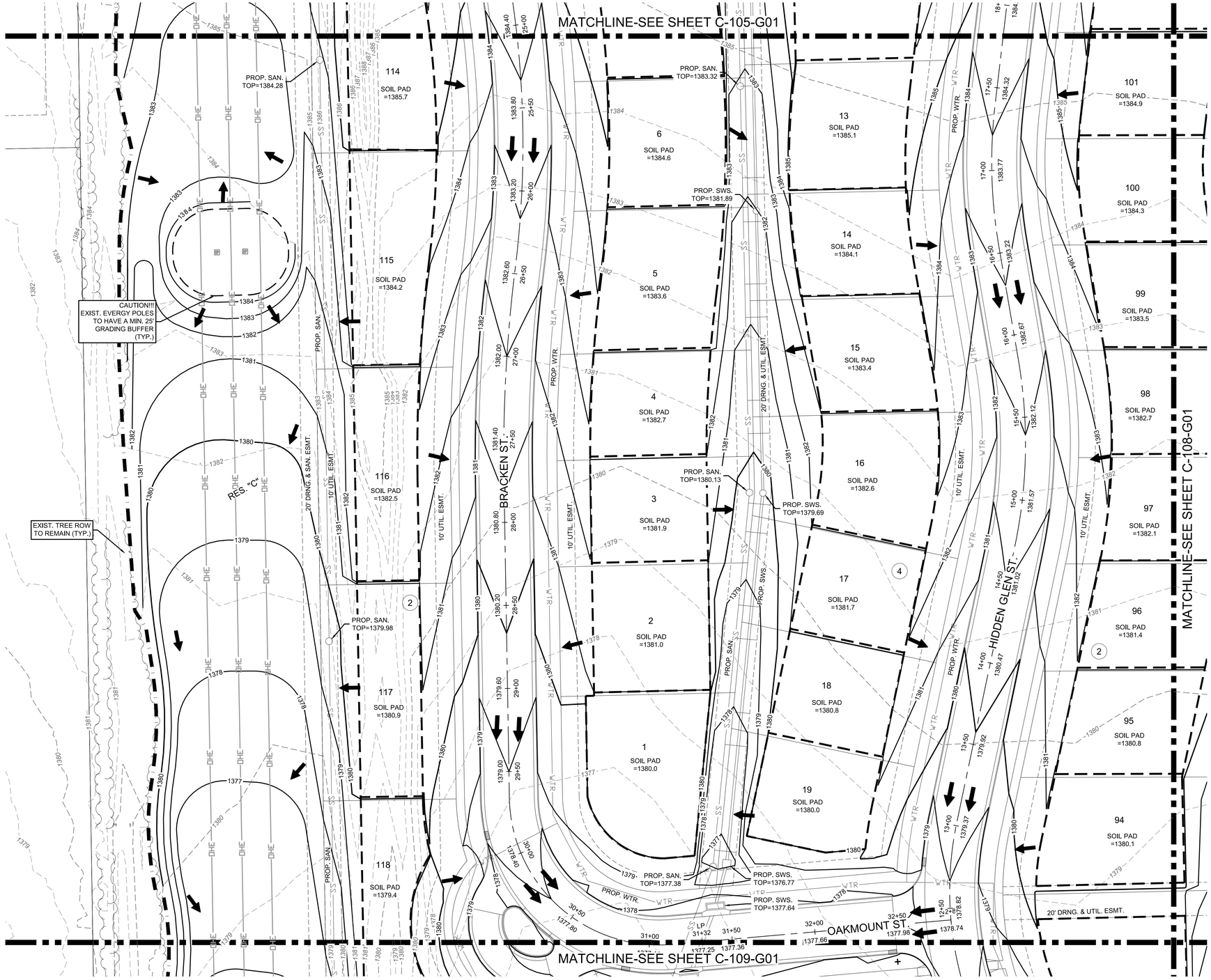

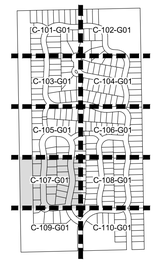

VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
SS	PROPOSED SANITARY SEWER
FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
	TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
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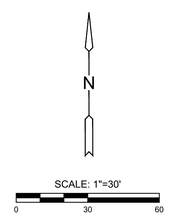
2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.



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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE
RIVINGTON ADDITION
WICHITA, KS

GRADING PLAN
(7 OF 10)

PROJECT NO. 458-2026-085655
SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-107-G01
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I:\ICTNAS1\WOL7\PROJECTS\2026\2650101637 - ARTS\TIC_RIVINGTON\00 2506371 CAD\SHTS\05 CIVIL\GRD\2506371_05_C-107-G01.DWG

PLOTTED: Wednesday, October 21, 2026 @ 02:30PM

MATCHLINE-SEE SHEET C-106-G01

MATCHLINE-SEE SHEET C-107-G01

MATCHLINE-SEE SHEET C-110-G01

WHITE TAIL ST.

EAGLE ST.

20' DRNG. & UTIL. ESMT.

10' UTIL. ESMT.

15' DRNG. & UTIL. ESMT.

PROP. SAN.

PROP. WTR.

PROP. SWS.

PROP. SAN. TOP=1382.16

PROP. SWS. TOP=1380.36

PROP. SAN. TOP=1378.74

PROP. SWS. TOP=1378.28

PROP. SWS. TOP=1383.17

PROP. SAN. TOP=1381.63

PROP. SWS. TOP=1381.04

PROP. SWS. TOP=1379.02

PROP. SWS. TOP=1377.10

PROP. SAN. TOP=1378.57

PROP. SAN. TOP=1383.43

PROP. SWS. TOP=1379.98

PROP. SAN. TOP=1380.94

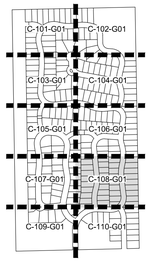
PROP. SWS. TOP=1378.18

HP80.80

HP78.98

LIMB/REMOVE EXIST. TREES ONLY AS NEEDED FOR GRADING OPERATIONS

84	SOIL PAD =1384.8	
85	SOIL PAD =1384.2	
86	SOIL PAD =1383.6	
87	SOIL PAD =1383.1	
88	SOIL PAD =1382.5	
89	SOIL PAD =1381.9	
90	SOIL PAD =1381.1	
91	SOIL PAD =1380.5	
92	SOIL PAD =1379.9	
9	SOIL PAD =1384.8	
8	SOIL PAD =1384.1	
7	SOIL PAD =1383.4	
6	SOIL PAD =1382.7	
5	SOIL PAD =1382.1	
4	SOIL PAD =1381.5	
3	SOIL PAD =1381.0	
2	SOIL PAD =1380.4	
1	SOIL PAD =1379.8	
16	SOIL PAD =1385.1	
17	SOIL PAD =1384.3	
18	SOIL PAD =1383.5	
19	SOIL PAD =1382.8	
20	SOIL PAD =1382.2	
21	SOIL PAD =1381.7	
22	SOIL PAD =1381.1	
23	SOIL PAD =1380.5	
15	SOIL PAD =1384.8	
14	SOIL PAD =1384.3	
13	SOIL PAD =1383.6	
12	SOIL PAD =1383.0	
11	SOIL PAD =1382.5	
10	SOIL PAD =1381.8	
9	SOIL PAD =1381.2	
8	SOIL PAD =1380.6	
7	SOIL PAD =1380.4	



VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
1250	PROPOSED MAJOR CONTOUR
1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
SS	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
SS	PROPOSED SANITARY SEWER
FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
	SWALE FLOWLINE
	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
	FLOW ARROW
	EXISTING TREES TO BE REMOVED
	TEMPORARY DRAINAGE SWALE - REF: DTL 2, SHT C-501-G01
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NOTE:
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2. REF: SHT. C-401-G01 - C-412-G01 FOR LOT CORNER SPOT ELEVATIONS.

N

SCALE: 1"=30'
0 30 60

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SCOTT PRESTON LICENSED ENGINEER 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN
(8 OF 10)

PROJECT NO.	458-2026-085655
SCALE	1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-108-G01
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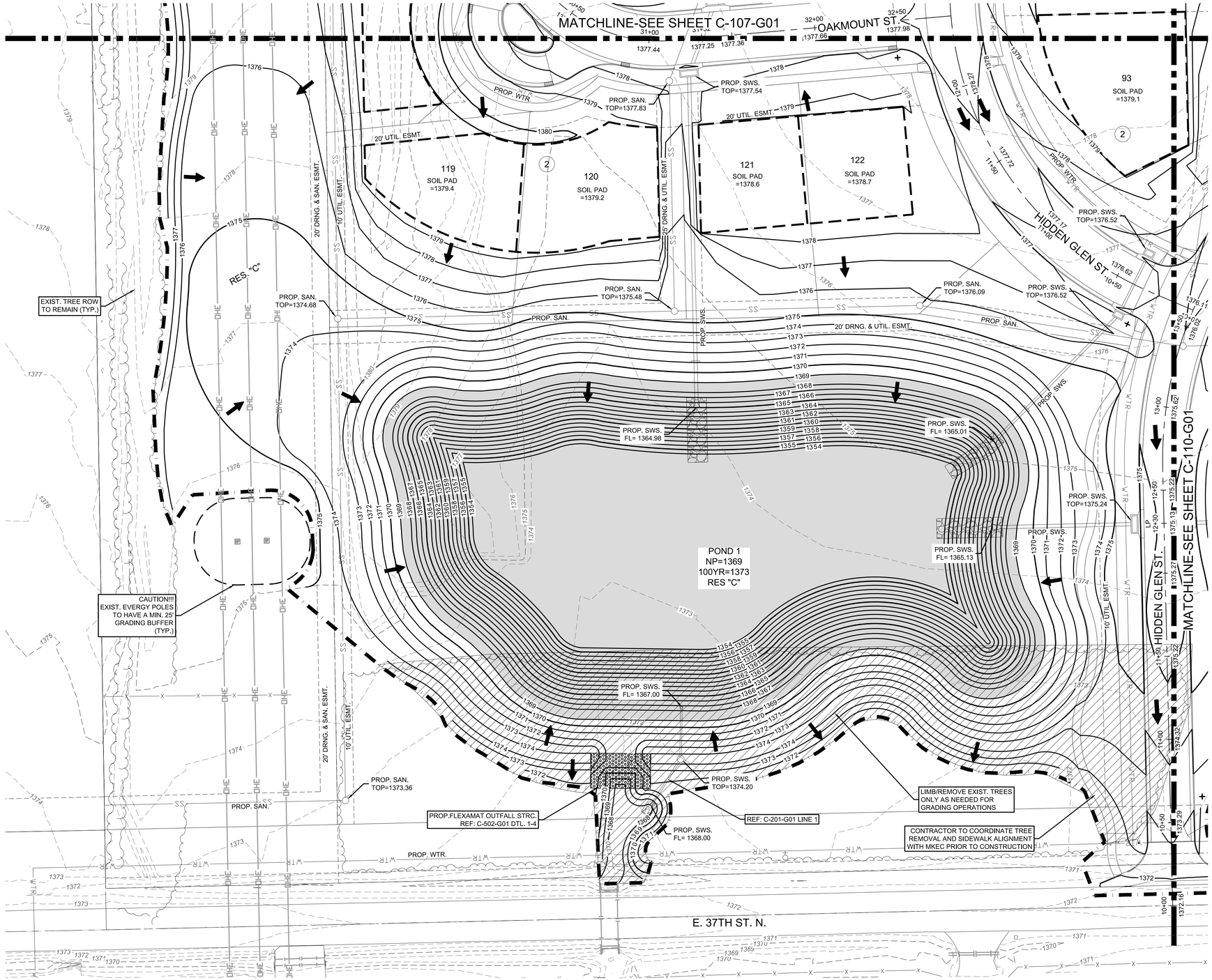
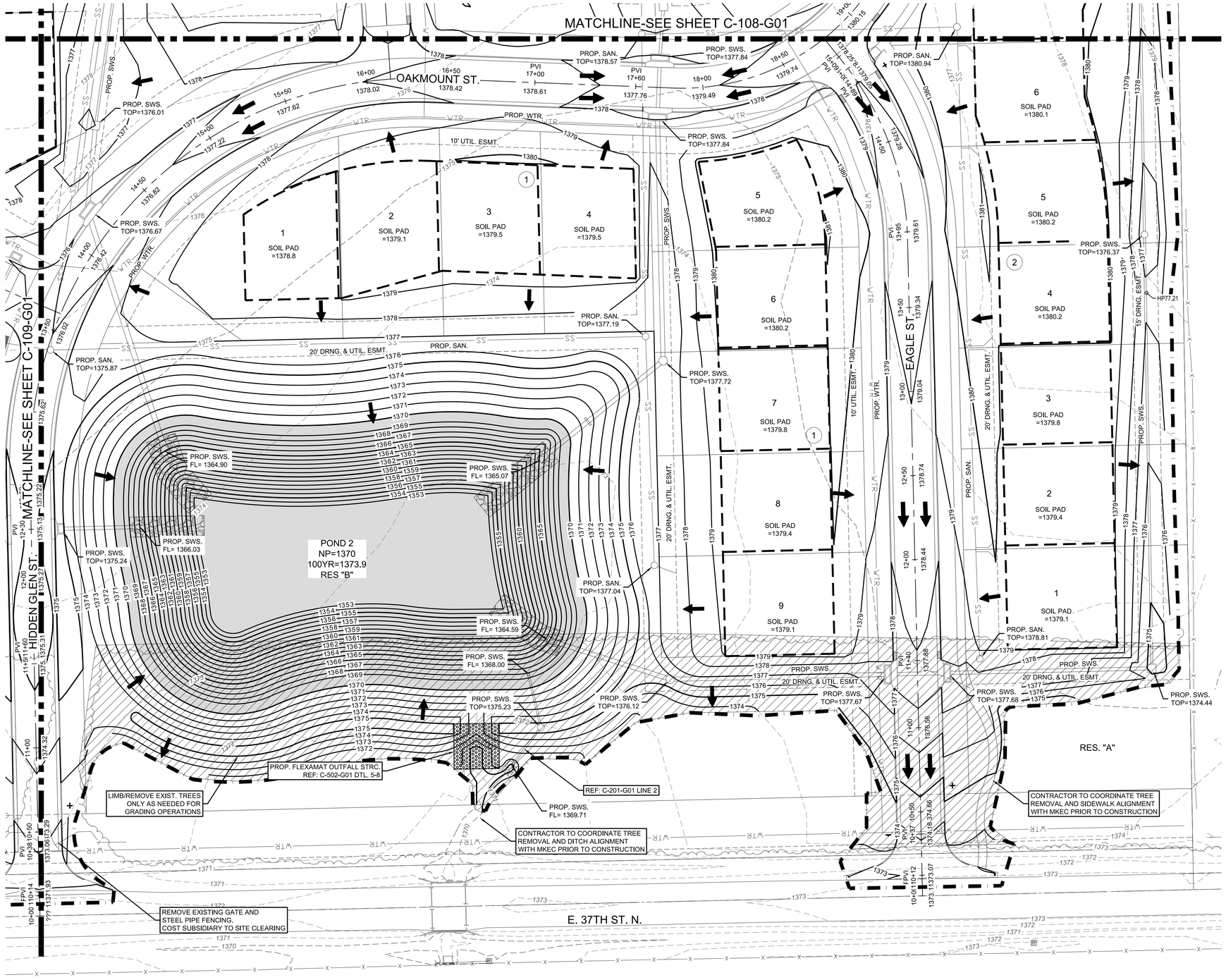
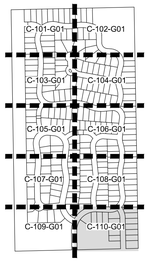

MATCHLINE-SEE SHEET C-107-G01
OAKMOUNT ST.
HIDDEN GLEN ST.
MATCHLINE-SEE SHEET C-110-G01
E. 37TH ST. N.
119 SOIL PAD =1379.4
120 SOIL PAD =1379.2
121 SOIL PAD =1378.6
122 SOIL PAD =1378.7
93 SOIL PAD =1379.1
RES "C"
POND 1
NP=1369
100YR=1373
RES "C"
EXIST. TREE ROW TO REMAIN (TYP.)
CAUTION!!! EXIST. EVERGY POLES TO HAVE A MIN. 25' GRADING BUFFER (TYP.)
PROP. SWS. TOP=1377.54
PROP. SAN. TOP=1377.83
PROP. SAN. TOP=1375.48
PROP. SAN. TOP=1374.68
PROP. SAN. TOP=1373.36
PROP. SAN. TOP=1376.09
PROP. SWS. TOP=1376.52
PROP. SWS. TOP=1375.24
PROP. SWS. FL= 1364.98
PROP. SWS. FL= 1365.01
PROP. SWS. FL= 1365.13
PROP. SWS. FL= 1367.00
PROP. SWS. FL= 1368.00
PROP. SWS. TOP=1374.20
PROP.FLEXAMAT OUTFALL STRC. REF: C-502-G01 DTL. 1-4
REF: C-201-G01 LINE 1
LIMB/REMOVE EXIST. TREES ONLY AS NEEDED FOR GRADING OPERATIONS
CONTRACTOR TO COORDINATE TREE REMOVAL AND SIDEWALK ALIGNMENT WITH MKEC PRIOR TO CONSTRUCTION
20' UTIL. ESMT.
20' DRNG. & SAN. ESMT.
10' UTIL. ESMT.
20' DRNG. & UTIL. ESMT.
PROP. WTR.
PROP. SAN.
PROP. SWS.
PROP. WTR.
20' DRNG. & UTIL. ESMT.
10' UTIL. ESMT.
20' DRNG. & SAN. ESMT.
10' UTIL. ESMT.
PROP. SWS.
PROP. WTR.
PROP. SAN.
PROP. SWS.
PROP. SAN.
PROP. SWS.
PROP. WTR.
PROP. SWS.
PROP. SWS.
PROP. SWS

PLOTTED: Wednesday, October 21, 2026 @ 03:33PM





VICINITY MAP

LEGEND

1250	EXISTING MAJOR CONTOUR
1249	EXISTING MINOR CONTOUR
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1249	PROPOSED MINOR CONTOUR
W	EXISTING WATERLINE
SS	EXISTING SANITARY SEWER
	EXISTING STORMWATER SEWER
UGT	EXISTING UNDERGROUND TELEPHONE
UGE	EXISTING UNDERGROUND ELECTRICAL
OHE	EXISTING OVERHEAD ELECTRICAL
G	EXISTING GASLINE
	PROPOSED STORMWATER SEWER
WTR	PROPOSED WATERLINE
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FM	PROPOSED FORCED MAIN SANITARY SEWER
	LIMITS OF GRADING
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	SOIL PAD - REF: DTL 1, SHT C-501-G01
92.00	PROPOSED SPOT ELEVATIONS
EX92.00	EXISTING SPOT ELEVATIONS
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SCOTT PRESTON LICENSED LANDSCAPE ARCHITECT 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING PLAN
(10 OF 10)

PROJECT NO. 458-2026-085655
SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-110-G01
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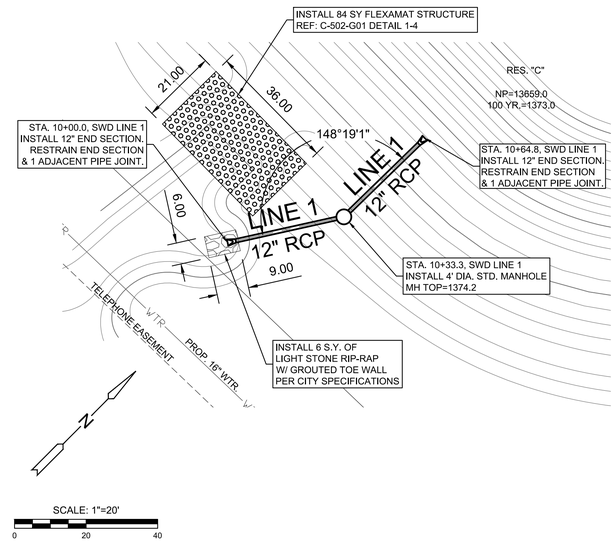
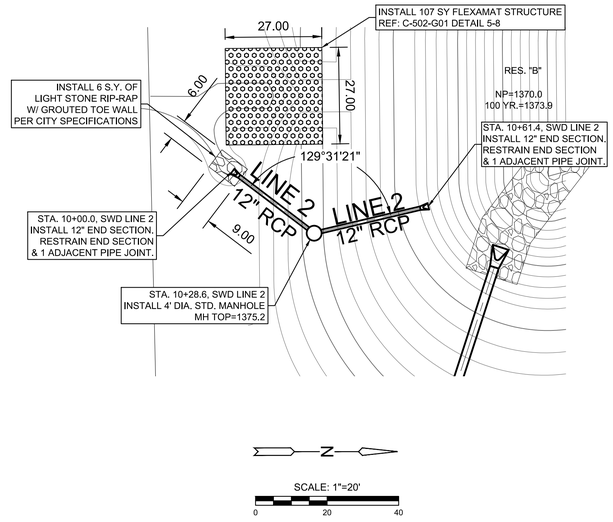
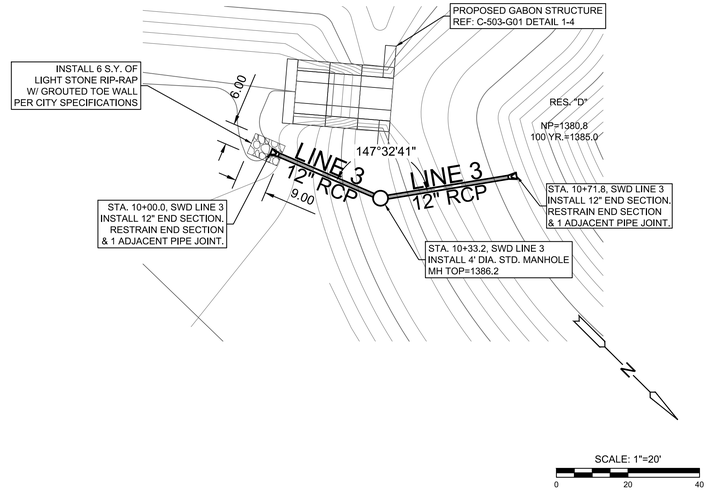
PLOTTED: Wednesday, October 21, 2026 @ 02:09PM

NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.







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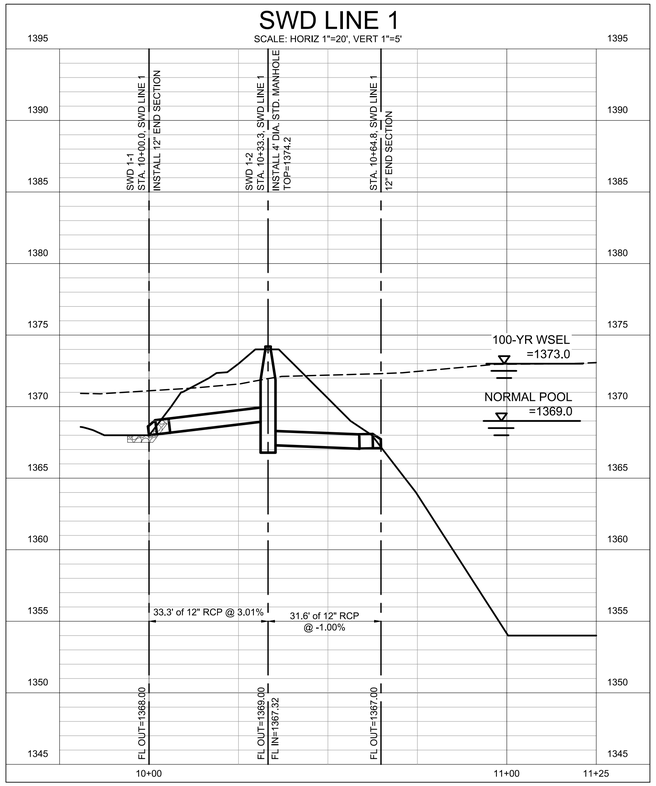

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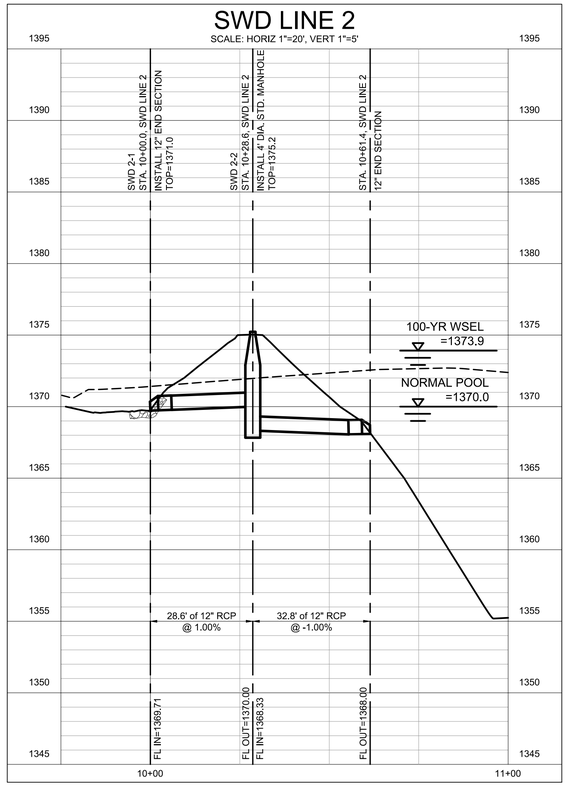

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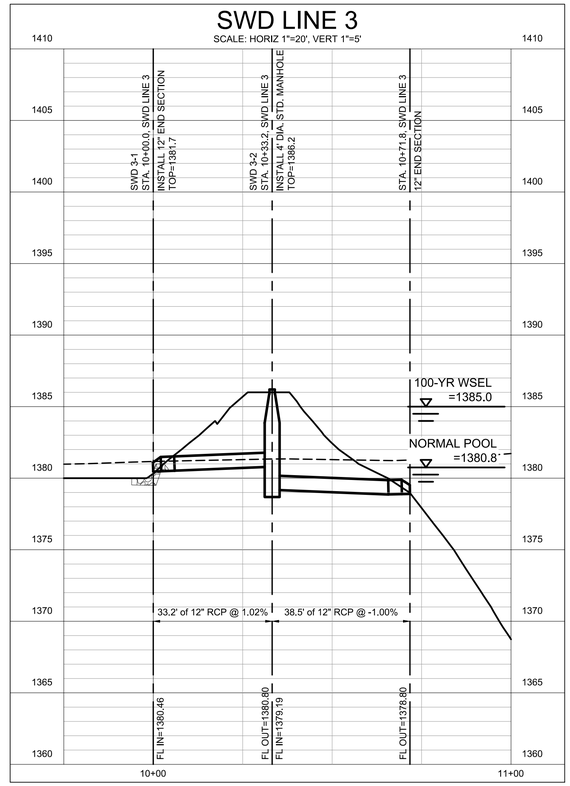

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SCOTT PRESTON LICENSED
24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

RIVINGTON ADDITION

STORM WATER DRAINAGE

WICHITA, KS

SWS LINE 1-3

PROJECT NO.
458-2026-085655

SCALE
VERT: 1"=5'
HORIZ: 1"=20'

DRAWN	DESIGNED	CHECKED
BWS	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-201-G01
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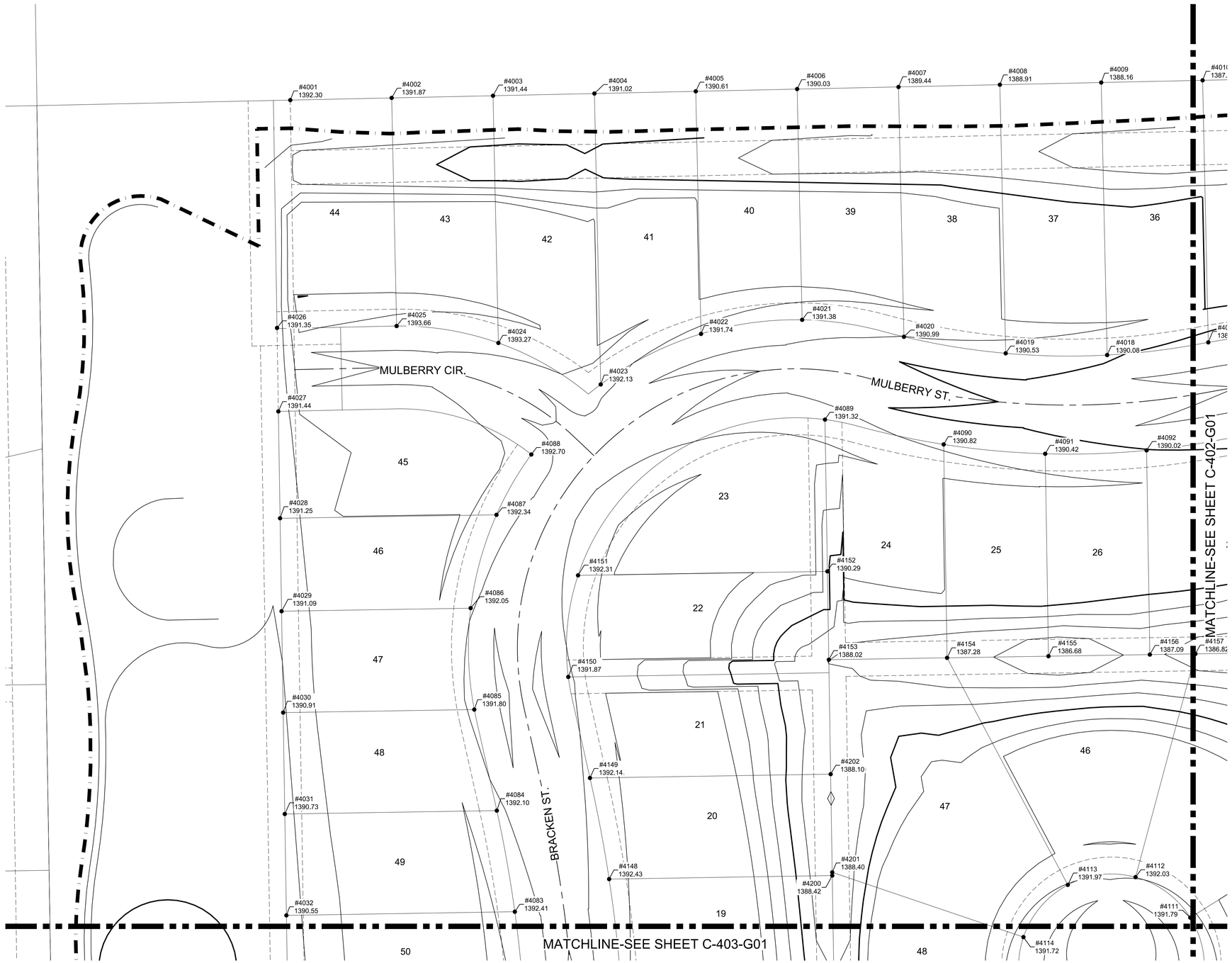

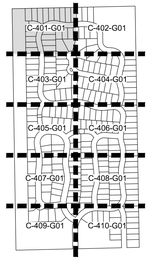

VICINITY MAP

N

SCALE: 1"=30'

0 30 60

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SCOTT PRESTON FLEMING LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (1 OF 10)

PROJECT NO, 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-401-G01
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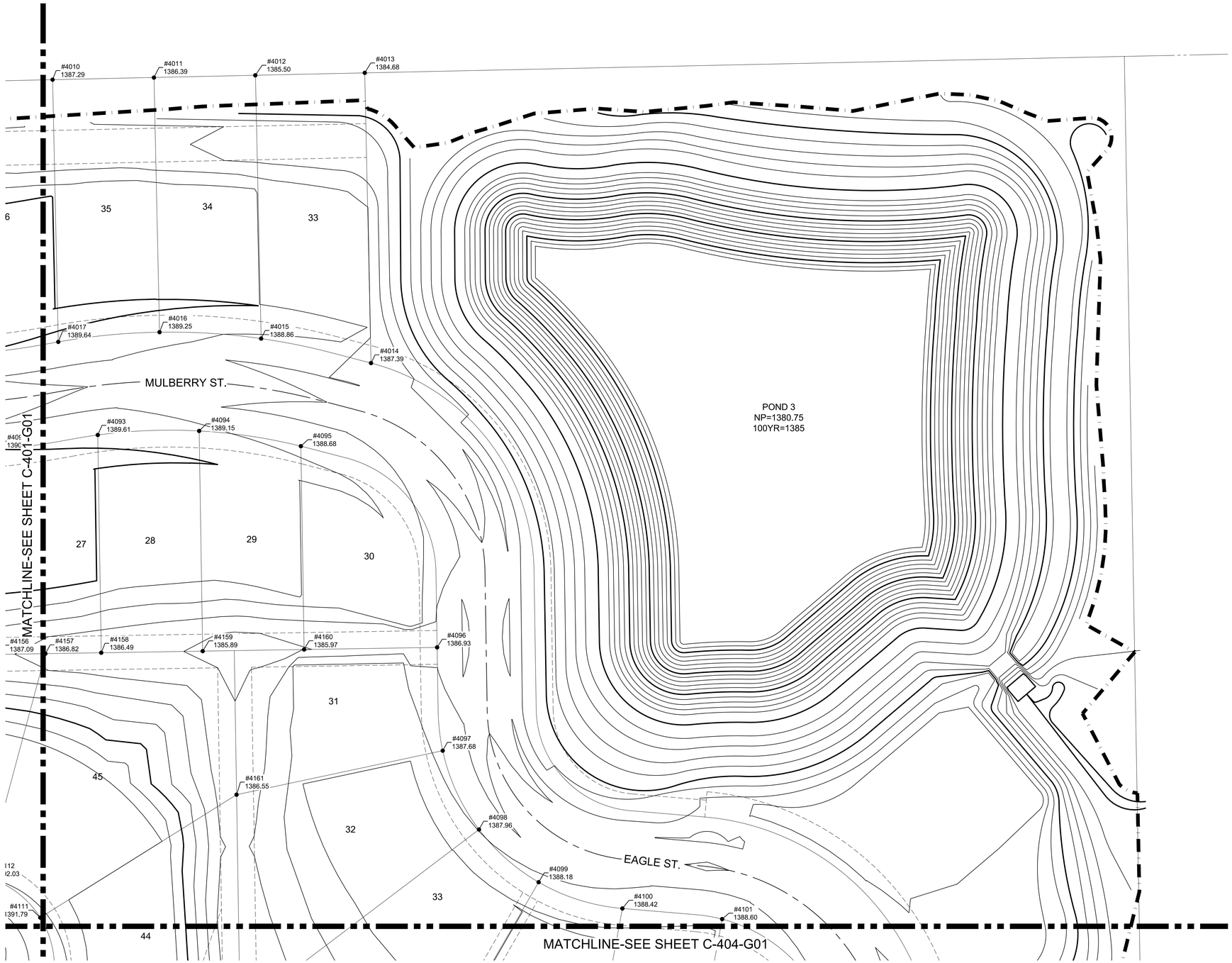

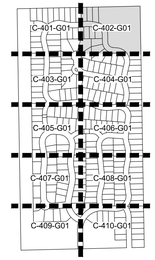

VICINITY MAP

N

SCALE: 1"=30'
0 30 60

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SCOTT PRESTON LICENSED LEHMAN 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (2 OF 10)

PROJECT NO, 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-402-G01
15 OF 44

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\\CTNAS18\VOL7\PROJECTS\2020\2509101637 - ARTISTIC_RIVINGTON\00\256637 CAD\SHTS\05 CIVIL\GRD\256637_05_C-401-G01.DWG

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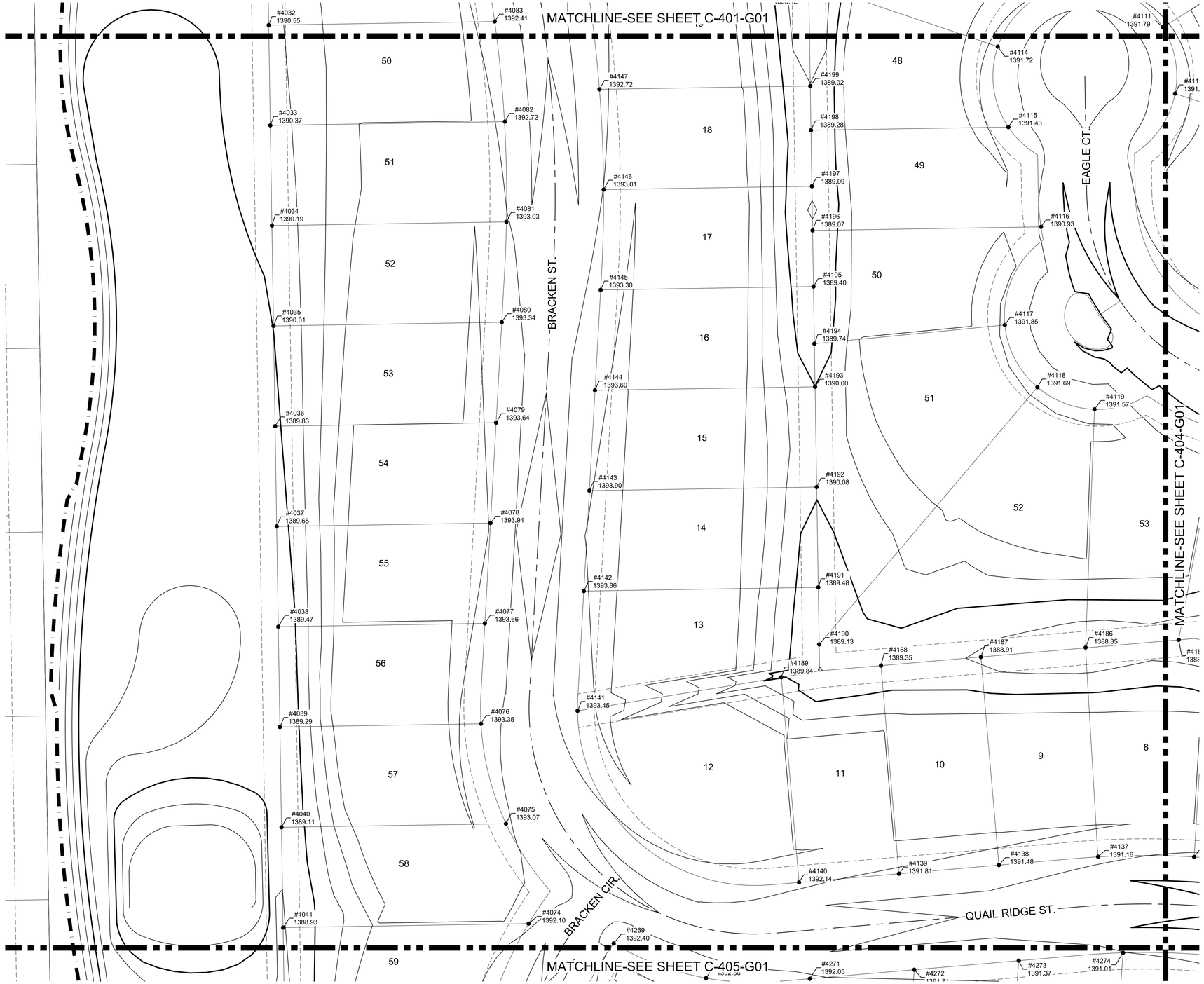

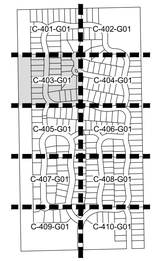

VICINITY MAP

SCALE: 1"=30'
0 30 60

N

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SCOTT PRESTON EISENBRANDT LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (3 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-403-G01
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M:\TNAS13\VOL7\PROJECTS\2025\250101\0637 - ARTISTIC_RIVINGTON\00 250637 CAD\SHTS\05 CIVIL\GRD\250637_05_C-401-G01.DWG

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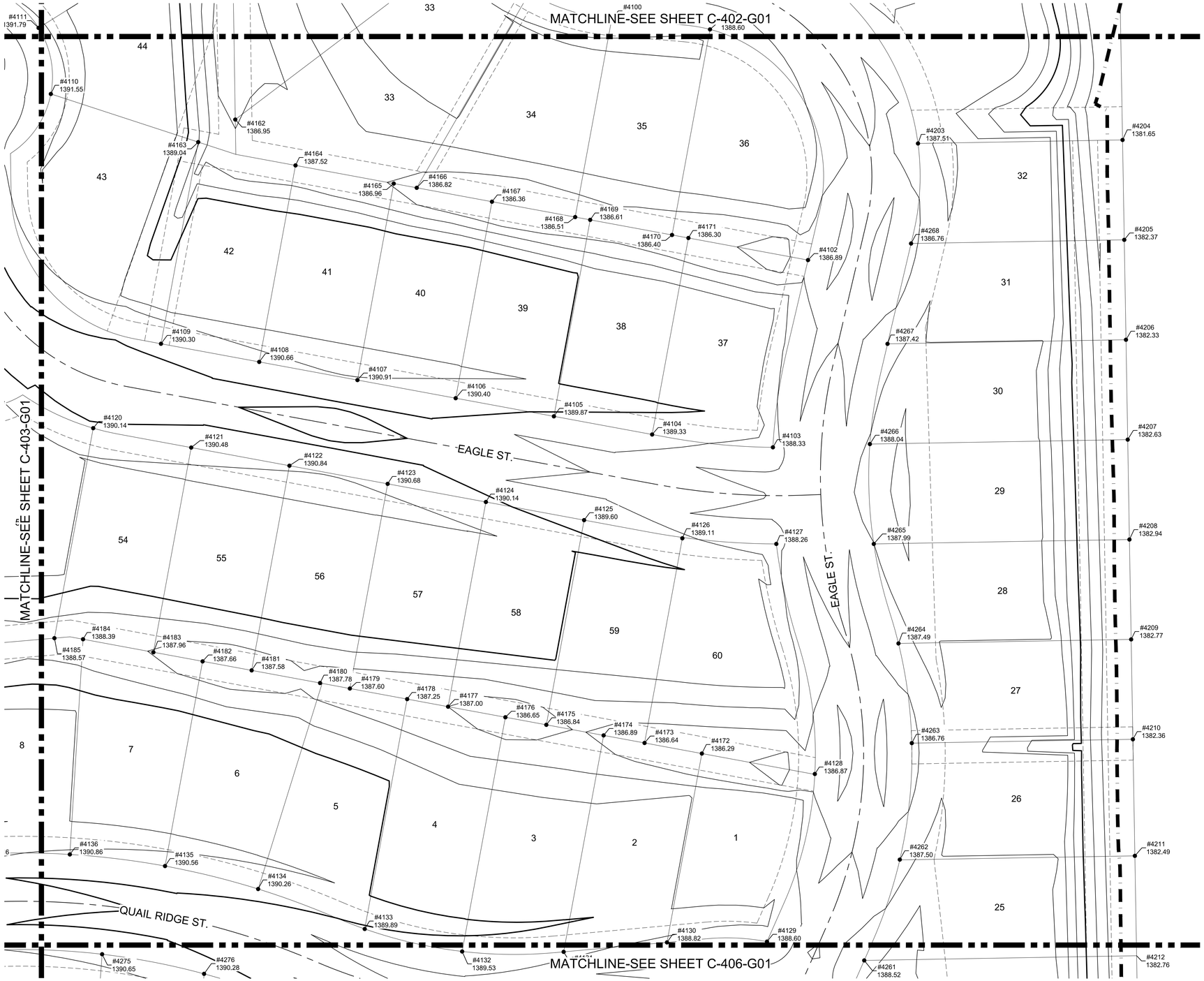

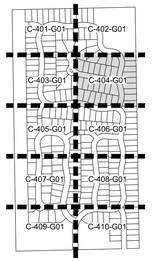

VICINITY MAP

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SCOTT PRESTON LICENSED LAND SURVEYOR 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (4 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-404-G01
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PLOTTED: Wednesday, October 21, 2026 @ 02:58PM

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MATCHLINE-SEE SHEET C-403-G01

MATCHLINE-SEE SHEET C-406-G01

MATCHLINE-SEE SHEET C-407-G01

BRACKEN CIR.

BRACKEN CIR.

BRACKEN ST.

COLLINA ST.

COLLINA CIR.

HIDDEN GLEN ST.

#4041 1388.93
#4042 1388.75
#4043 1388.53
#4044 1388.26
#4045 1387.47
#4046 1386.13
#4047 1384.53
#4073 1391.36
#4072 1390.53
#4071 1389.76
#4070 1389.02
#4069 1386.96
#4068 1385.57
#4337
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#4270 1392.36
#4271 1392.05
#4272 1391.71
#4273 1391.37
#4274 1391.01
#4296 1390.15
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#4339 1385.93
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#4323 1384.98
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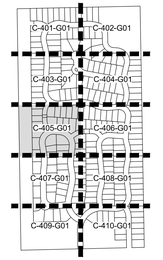

VICINITY MAP

N

SCALE: 1"=30'
0 30 60

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24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (5 OF 10)

PROJECT NO.	
458-2026-085655	
SCALE	
1" = 30'	
DRAWN	DESIGNED / CHECKED
WJW	DFL / SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-405-G01
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PLOTTED: Wednesday, October 21, 2026 @ 02:58PM

MATCHLINE-SEE SHEET C-404-G01

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#4275 1390.65
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#4132 1389.53
#4131 1389.16
#4130 1388.82
#4129 1388.60
#4277 1389.91
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#4280 1388.95
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#4212 1382.76
#4260 1388.02
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#4214 1383.00
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#4215 1383.25
#4257 1387.74
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#4256 1387.33
#4217 1383.89
#4255 1386.65
#4218 1384.40
#4254 1386.01
#4219 1384.60
#4253 1385.45
#4220 1384.30
#4252 1384.88
#4221 1383.46

QUAIL RIDGE ST.

#4306 1386.54
#4307 1386.24
#4308 1386.48
#4309 1386.68
#4310 1386.30
#4311 1386.06
#4312 1386.04
#4313 1386.21
#4314 1386.07
#4315 1385.96
#4316 1385.61
#4317 1385.70
#4318 1385.84
#4319 1385.76
#4282 1386.86

COLLINA CIR.

#4290 1388.37
#4289 1387.96
#4288 1387.51
#4287 1386.99
#4286 1387.02
#4285 1387.55
#4284 1387.67
#4283 1387.28

EAGLE ST.

#4358 1388.12
#4359 1386.48
#4407 1387.64
#4408 1386.97
#4386 1384.10
#4360 1385.89
#4387 1384.03
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#4436 1383.75
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#4362 1384.79
#4391 1382.51
#4437 1383.19
#4431 1384.42
#4411 1384.79

WHITE TAIL ST.

MATCHLINE-SEE SHEET C-405-G01

MATCHLINE-SEE SHEET C-408-G01

65 67 68 69 70 71 72 73
80 79 78 77 76 75 74
81 82 83 84
12 13 14 15
11 10
24 23 22 21 20 19 18 17 16

C-401-G01 C-402-G01
C-403-G01 C-404-G01
C-405-G01 C-406-G01
C-407-G01 C-408-G01
C-409-G01 C-410-G01

VICINITY MAP

N

SCALE: 1"=30'
0 30 60

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SCOTT PRESTON EVANS
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24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (6 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-406-G01
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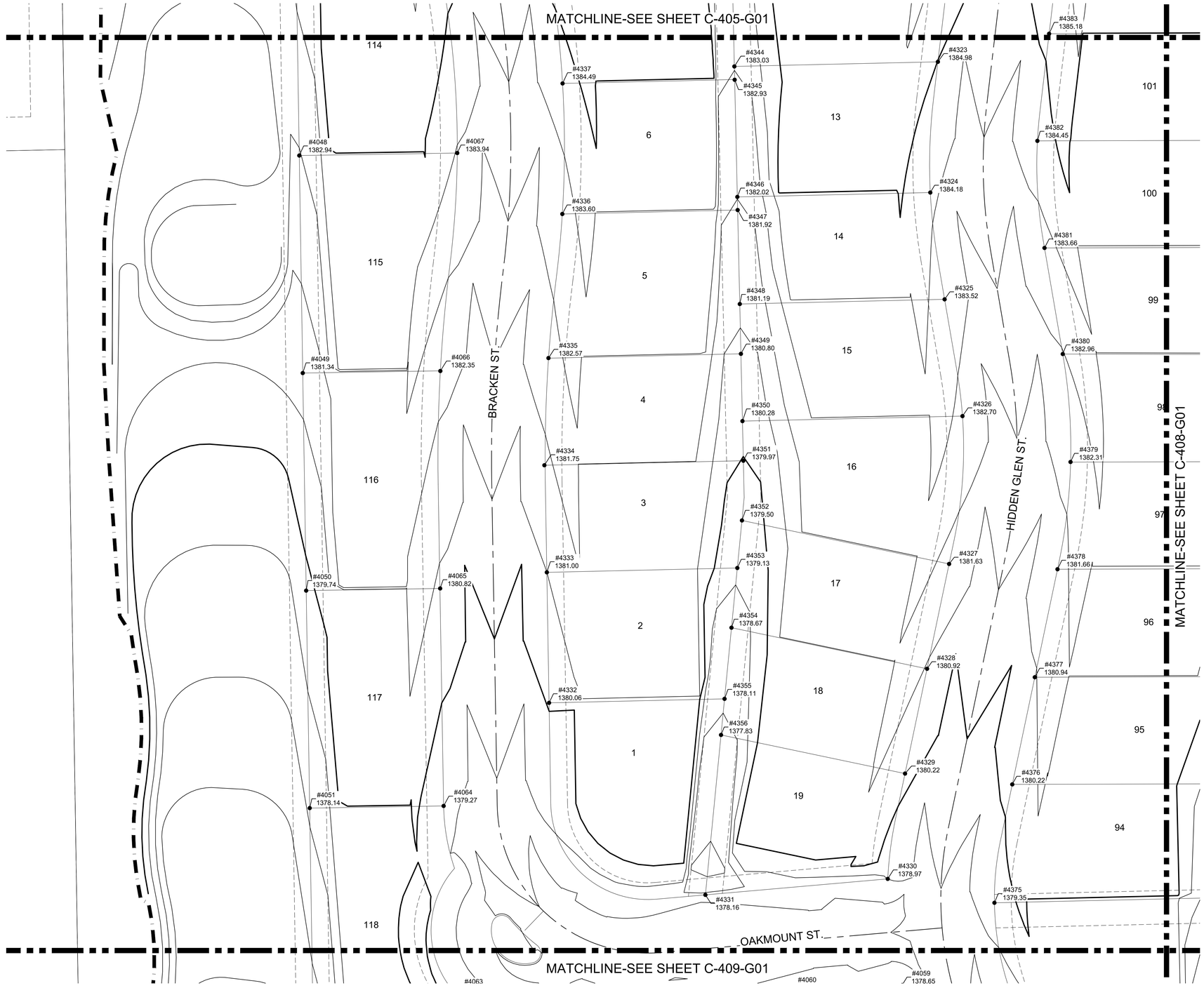

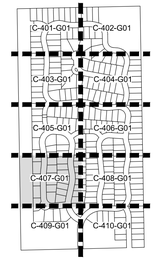

VICINITY MAP

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SCOTT PRESTON LICENSED LANDSCAPE ARCHITECT 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

RIVINGTON ADDITION

STORM WATER DRAINAGE

WICHITA, KS

LOT CORNER GRADING PLAN (7 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-407-G01
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PLOTTED: Wednesday, October 21, 2026 @ 02:58PM

MATCHLINE-SEE SHEET C-406-G01

MATCHLINE-SEE SHEET C-407-G01

MATCHLINE-SEE SHEET C-410-G01

WHITE TAIL ST.

EAGLE ST.

#4391 1382.51
#4392 1382.12
#4393 1381.81
#4394 1381.46
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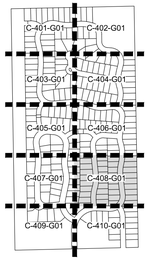

VICINITY MAP

SCALE: 1"=30'
0 30 60

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SCOTT PRESTON EVANS
LICENSED
24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (8 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-408-G01
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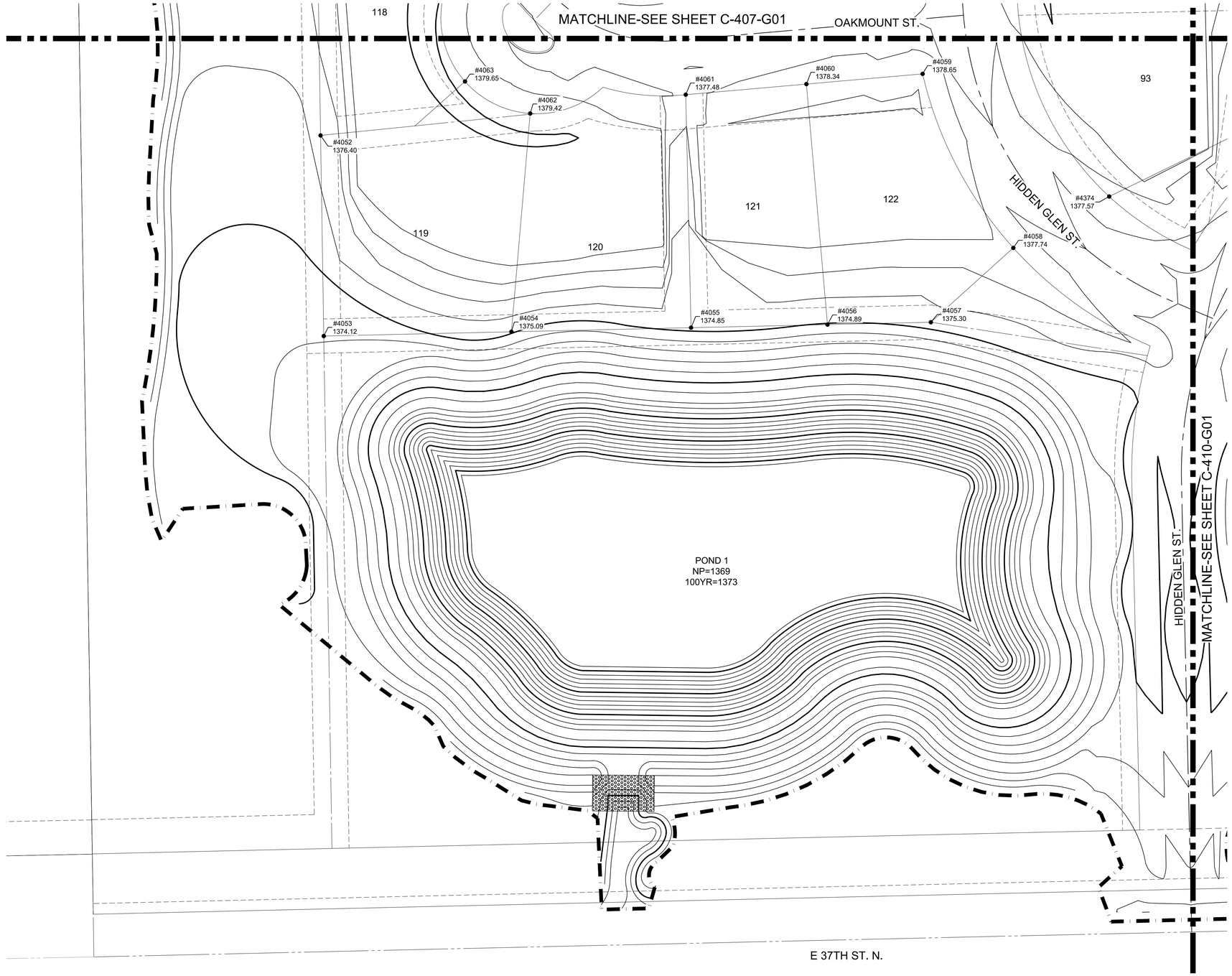

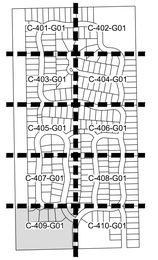

VICINITY MAP

N

SCALE: 1"=30'

0 30 60

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SCOTT PRESTON LICENSED LANDSCAPE ARCHITECT 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (9 OF 10)

PROJECT NO, 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-409-G01
22 OF 44

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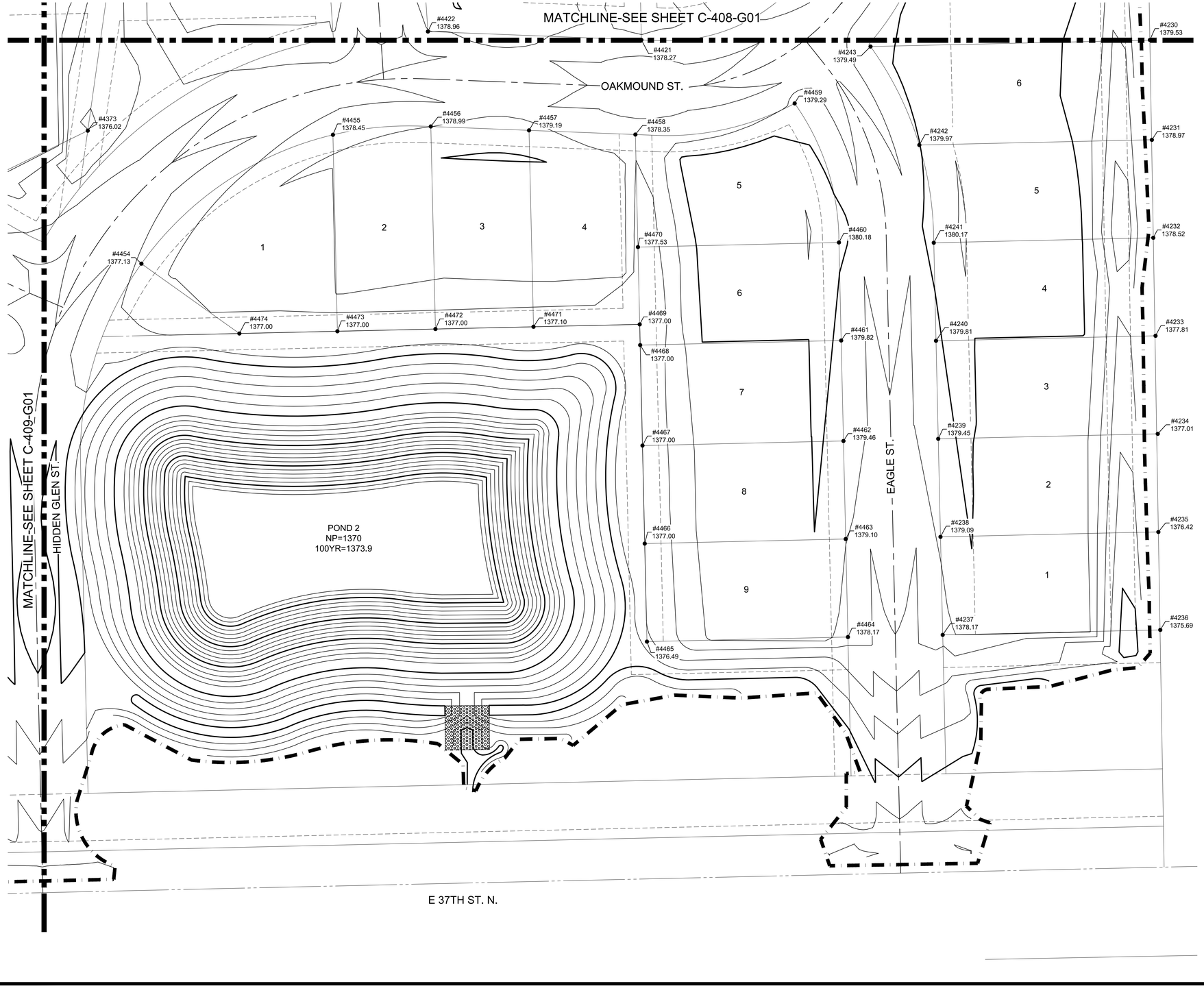

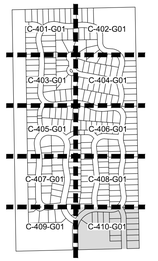

VICINITY MAP

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24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER GRADING PLAN (10 OF 10)

PROJECT NO. 458-2026-085655

SCALE 1" = 30'

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-410-G01
23 OF 44

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PLOTTED: Wednesday, October 21, 2026 @ 03:06PM

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4001	1713143.57	1688801.39	1392.30
4002	1713144.87	1688861.38	1391.87
4003	1713146.17	1688921.36	1391.44
4004	1713147.47	1688981.35	1391.02
4005	1713148.79	1689041.33	1390.61
4006	1713150.12	1689101.32	1390.03
4007	1713151.34	1689161.31	1389.44
4008	1713152.68	1689221.29	1388.91
4009	1713153.98	1689281.28	1388.16
4010	1713155.28	1689341.26	1387.29
4011	1713156.51	1689401.20	1386.39
4012	1713157.86	1689461.16	1385.50
4013	1713159.33	1689525.89	1384.68
4014	1712987.71	1689529.59	1387.39
4015	1713002.20	1689464.61	1388.86
4016	1713006.00	1689404.52	1389.25
4017	1713000.24	1689344.63	1389.64
4018	1712992.71	1689284.78	1390.08
4019	1712993.75	1689224.74	1390.53
4020	1713003.53	1689164.51	1390.99
4021	1713013.57	1689104.28	1391.38
4022	1713005.24	1689044.45	1391.74
4023	1712975.32	1688985.08	1392.13
4024	1712999.87	1688924.54	1393.27
4025	1713009.89	1688864.30	1393.66
4026	1713008.76	1688793.54	1391.35
4027	1712959.37	1688794.33	1391.44
4028	1712896.13	1688795.34	1391.25
4029	1712841.14	1688796.21	1391.09
4030	1712781.15	1688797.17	1390.91
4031	1712721.15	1688798.13	1390.73
4032	1712661.16	1688799.09	1390.55
4033	1712601.17	1688800.04	1390.37
4034	1712541.18	1688801.00	1390.19
4035	1712481.18	1688801.95	1390.01
4036	1712421.19	1688802.91	1389.83
4037	1712361.20	1688803.87	1389.65
4038	1712301.21	1688804.82	1389.47
4039	1712241.21	1688805.78	1389.29
4040	1712181.22	1688806.74	1389.11
4041	1712121.23	1688807.69	1388.93
4042	1712061.24	1688808.65	1388.75
4043	1711988.97	1688809.80	1388.53
4044	1711924.98	1688810.82	1388.26
4045	1711860.99	1688811.84	1387.47
4046	1711752.29	1688813.58	1386.13
4047	1711622.40	1688815.65	1384.53
4048	1711492.80	1688817.72	1382.94
4049	1711362.82	1688819.79	1381.34
4050	1711232.80	1688821.83	1379.74

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4051	1711102.85	1688823.94	1378.14
4052	1710961.13	1688826.19	1376.40
4053	1710843.99	1688828.06	1374.12
4054	1710846.48	1688937.64	1375.09
4055	1710848.87	1689042.54	1374.85
4056	1710850.69	1689122.22	1374.89
4057	1710852.07	1689182.56	1375.30
4058	1710895.47	1689230.73	1377.74
4059	1710997.06	1689177.76	1378.65
4060	1710991.11	1689109.90	1378.34
4061	1710984.92	1689039.44	1377.48
4062	1710973.94	1688948.60	1379.42
4063	1710992.64	1688910.54	1379.65
4064	1711104.13	1688903.93	1379.27
4065	1711234.11	1688901.85	1380.82
4066	1711364.05	1688901.96	1382.35
4067	1711494.31	1688912.07	1383.94
4068	1711623.74	1688899.17	1385.57
4069	1711753.63	1688897.70	1386.96
4070	1711863.03	1688939.33	1389.02
4071	1711926.79	1688924.16	1389.76
4072	1711990.77	1688922.57	1390.53
4073	1712063.16	1688929.29	1391.36
4074	1712123.57	1688954.54	1392.10
4075	1712183.37	1688941.04	1393.07
4076	1712243.13	1688926.08	1393.35
4077	1712303.18	1688928.41	1393.66
4078	1712363.24	1688931.77	1393.94
4079	1712423.30	1688935.13	1393.64
4080	1712483.36	1688938.49	1393.34
4081	1712543.42	1688941.33	1393.03
4082	1712603.41	1688940.37	1392.72
4083	1712663.32	1688934.26	1392.41
4084	1712723.16	1688923.61	1392.10
4085	1712782.95	1688910.27	1391.80
4086	1712842.98	1688908.13	1392.05
4087	1712898.18	1688923.40	1392.34
4088	1712933.88	1688944.01	1392.70
4089	1712954.53	1689117.80	1391.32
4090	1712939.84	1689188.04	1390.82
4091	1712934.30	1689248.14	1390.42
4092	1712936.32	1689308.11	1390.02
4093	1712945.19	1689367.98	1389.61
4094	1712947.58	1689427.95	1389.15
4095	1712938.58	1689488.10	1388.68
4096	1712819.60	1689568.70	1386.93
4097	1712758.53	1689572.00	1387.68
4098	1712711.92	1689593.45	1387.96
4099	1712680.78	1689628.72	1388.18
4100	1712665.22	1689678.26	1388.42

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4101	1712658.94	1689737.26	1388.60
4102	1712520.40	1689796.13	1386.89
4103	1712407.95	1689775.05	1388.33
4104	1712415.66	1689702.50	1389.33
4105	1712426.56	1689643.50	1389.87
4106	1712437.46	1689584.50	1390.40
4107	1712448.36	1689525.49	1390.91
4108	1712459.25	1689466.49	1390.66
4109	1712470.15	1689407.49	1390.30
4110	1712620.18	1689341.33	1391.55
4111	1712659.83	1689333.96	1391.79
4112	1712683.78	1689301.58	1392.03
4113	1712679.22	1689261.51	1391.97
4114	1712648.30	1689235.24	1391.72
4115	1712600.14	1689241.58	1391.43
4116	1712540.44	1689261.08	1390.93
4117	1712481.73	1689239.45	1391.85
4118	1712444.51	1689258.96	1391.69
4119	1712431.26	1689293.09	1391.57
4120	1712419.46	1689366.77	1390.14
4121	1712407.82	1689425.64	1390.48
4122	1712396.92	1689484.64	1390.84
4123	1712386.02	1689543.64	1390.68
4124	1712375.13	1689602.64	1390.14
4125	1712364.23	1689661.65	1389.60
4126	1712353.33	1689720.65	1389.11
4127	1712349.94	1689777.10	1388.26
4128	1712211.78	1689800.24	1386.87
4129	1712111.11	1689771.50	1388.60
4130	1712110.64	1689711.42	1388.82
4131	1712104.96	1689649.35	1389.16
4132	1712105.19	1689588.38	1389.53
4133	1712118.70	1689529.86	1389.89
4134	1712142.71	1689465.84	1390.26
4135	1712156.49	1689409.92	1390.56
4136	1712163.47	1689352.75	1390.86
4137	1712163.59	1689295.28	1391.16
4138	1712158.58	1689235.90	1391.48
4139	1712153.41	1689176.12	1391.81
4140	1712148.25	1689116.34	1392.14
4141	1712250.86	1688983.83	1393.45
4142	1712322.54	1688987.58	1393.86
4143	1712382.60	1688990.94	1393.90
4144	1712442.67	1688994.26	1393.60
4145	1712502.72	1688997.66	1393.30
4146	1712562.76	1688999.46	1393.01
4147	1712622.73	1688996.95	1392.72
4148	1712682.62	1688990.07	1392.43
4149	1712742.45	1688978.73	1392.14
4150	1712802.25	1688965.89	1391.87

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4151	1712862.35	1688971.67	1392.31
4152	1712864.71	1689119.23	1390.29
4153	1712812.44	1689120.07	1388.02
4154	1712813.55	1689190.06	1387.28
4155	1712814.51	1689250.05	1386.68
4156	1712815.47	1689310.04	1387.09
4157	1712815.90	1689337.02	1386.82
4158	1712816.43	1689370.04	1386.49
4159	1712817.39	1689430.03	1385.89
4160	1712818.34	1689490.02	1385.97
4161	1712732.49	1689450.07	1386.55
4162	1712604.80	1689452.11	1386.95
4163	1712591.26	1689429.86	1389.04
4164	1712577.26	1689488.29	1387.52
4165	1712566.36	1689547.29	1386.96
4166	1712563.81	1689561.10	1386.82
4167	1712555.46	1689606.29	1386.36
4168	1712546.23	1689656.28	1386.51
4169	1712544.57	1689665.29	1386.61
4170	1712535.48	1689714.46	1386.40
4171	1712533.67	1689724.29	1386.30
4172	1712224.05	1689732.36	1386.29
4173	1712230.41	1689697.95	1386.64
4174	1712234.95	1689673.36	1386.89
4175	1712241.31	1689638.94	1386.84
4176	1712245.85	1689614.36	1386.65
4177	1712252.20	1689579.94	1387.00
4178	1712256.75	1689555.36	1387.25
4179	1712263.10	1689520.94	1387.60
4180	1712266.41	1689503.04	1387.78
4181	1712274.00	1689461.94	1387.58
4182	1712279.41	1689432.48	1387.66
4183	1712284.86	1689402.93	1387.96
4184	1712292.70	1689360.67	1388.39
4185	1712293.35	1689343.48	1388.57
4186	1712288.76	1689287.79	1388.35
4187	1712283.12	1689225.13	1388.91
4188	1712277.95	1689165.36	1389.35
4189	1712270.99	1689105.73	1389.84
4190	1712290.62	1689128.40	1389.13
4191	1712324.78	1689127.86	1389.48
4192	1712384.77	1689126.90	1390.08
4193	1712444.76	1689125.94	1390.00
4194	1712470.52	1689125.53	1389.74
4195	1712504.75	1689124.98	1389.40
4196	1712538.26	1689124.45	1389.07
4197	1712564.75	1689124.02	1389.09
4198	1712598.25	1689123.49	1389.28
4199	1712624.74	1689123.07	1389.02
4200	1712684.73	1689122.11	1388.42

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4201	1712686.62	1689122.08	1388.40
4202	1712744.72	1689121.15	1388.10
4203	1712590.43	1689862.20	1387.51
4204	1712592.55	1689985.07	1381.65
4205	1712532.56	1689986.10	1382.37
4206	1712472.57	1689987.13	1382.33
4207	1712412.58	1689988.17	1382.63
4208	1712352.59	1689989.20	1382.94
4209	1712292.60	1689990.24	1382.77
4210	1712232.60	1689991.27	1382.36
4211	1712162.61	1689992.47	1382.49
4212	1712102.62	1689993.51	1382.76
4213	1712042.63	1689994.54	1382.57
4214	1711982.64	1689995.58	1383.00
4215	1711917.66	1689997.06	1383.25
4216	1711857.68	1689997.76	1383.43
4217	1711797.84	1689999.08	1383.89
4218	1711737.78	1689999.87	1384.40
4219	1711677.71	1690000.82	1384.60
4220	1711617.94	1690001.89	1384.30
4221	1711557.70	1690002.90	1383.46
4222	1711497.71	1690004.26	1382.75
4223	1711437.76	1690004.97	1382.15
4224	1711377.70	1690005.96	1381.95
4225	1711317.73	1690007.03	1381.62
4226	1711257.74	1690008.06	1381.25
4227	1711197.75	1690009.43	1380.76
4228	1711137.77	1690010.80	1380.27
4229	1711077.92	1690011.21	1380.11
4230	1711017.90	1690012.19	1379.53
4231	1710956.76	1690013.41	1378.97
4232	1710896.85	1690014.28	1378.52
4233	1710836.87	1690015.65	1377.81
4234	1710776.88	1690017.02	1377.01
4235	1710716.80	1690017.38	1376.42
4236	1710656.88	1690018.56	1375.69
4237	1710653.85	1689885.45	1378.17
4238	1710713.84	1689884.08	1379.09
4239	1710773.82	1689882.71	1379.45
4240	1710833.80	1689881.35	1379.81
4241	1710893.79	1689879.98	1380.17
4242	1710953.60	1689871.14	1379.97
4243	1711013.87	1689841.28	1379.49
4244	1711075.12	1689873.67	1380.12
4245	1711134.80	1689880.53	1380.61
4246	1711194.65	1689873.40	1381.20
4247	1711254.50	1689866.04	1381.80
4248	1711314.35	1689858.68	1382.41
4249	1711374.24	1689853.40	1383.04
4250	1711434.35	1689857.28	1383.69

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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER POINT TABLES (1 OF 2)

PROJECT NO. 458-2026-085655

SCALE N/A

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

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GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4251	1711494.63	1689868.85	1384.31
4252	1711554.80	1689875.83	1384.88
4253	1711614.79	1689874.46	1385.45
4254	1711674.57	1689864.31	1386.01
4255	1711734.25	1689849.55	1386.65
4256	1711794.32	1689852.00	1387.33
4257	1711854.52	1689860.08	1387.74
4258	1711914.72	1689868.16	1386.92
4259	1711980.59	1689876.29	1387.74
4260	1712040.38	1689863.57	1388.02
4261	1712099.80	1689829.91	1388.52
4262	1712160.36	1689851.26	1387.50
4263	1712230.32	1689858.47	1386.76
4264	1712290.19	1689850.48	1387.49
4265	1712349.94	1689835.65	1387.99
4266	1712409.91	1689833.28	1388.04
4267	1712470.10	1689843.90	1387.42
4268	1712530.35	1689858.04	1386.76
4269	1712111.71	1689005.46	1392.40
4270	1712090.95	1689060.71	1392.36
4271	1712090.59	1689122.79	1392.05
4272	1712095.99	1689185.28	1391.71
4273	1712101.39	1689247.77	1391.37
4274	1712106.15	1689310.21	1391.01
4275	1712103.54	1689372.12	1390.65
4276	1712091.76	1689433.37	1390.28
4277	1712070.36	1689493.92	1389.91
4278	1712051.86	1689554.68	1389.59
4279	1712045.47	1689616.46	1389.28
4280	1712049.40	1689678.70	1388.95
4281	1712055.09	1689740.88	1388.60
4282	1711918.66	1689810.17	1386.86
4283	1711798.80	1689794.08	1387.28
4284	1711802.93	1689730.40	1387.67
4285	1711807.27	1689670.55	1387.55
4286	1711805.02	1689610.23	1387.02
4287	1711803.41	1689553.78	1386.99
4288	1711838.22	1689501.16	1387.51
4289	1711844.83	1689447.67	1387.96
4290	1711844.68	1689391.37	1388.37
4291	1711821.26	1689279.49	1388.23
4292	1711817.65	1689201.02	1387.85
4293	1711845.05	1689138.84	1388.47
4294	1711851.65	1689075.15	1388.96
4295	1711848.19	1688999.83	1388.47
4296	1711978.11	1688971.78	1390.15
4297	1711973.63	1689052.21	1387.64
4298	1711971.33	1689083.83	1387.32
4299	1711969.15	1689113.98	1387.02
4300	1711966.70	1689147.66	1387.06

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4301	1711964.67	1689175.76	1387.34
4302	1711962.08	1689211.50	1387.04
4303	1711960.19	1689237.53	1386.78
4304	1711956.43	1689289.29	1386.81
4305	1711955.71	1689299.30	1386.91
4306	1711951.23	1689361.08	1386.54
4307	1711949.05	1689391.09	1386.24
4308	1711946.75	1689422.85	1386.48
4309	1711944.97	1689447.40	1386.68
4310	1711942.27	1689484.63	1386.30
4311	1711940.53	1689508.58	1386.06
4312	1711937.79	1689546.40	1386.04
4313	1711936.55	1689563.44	1386.21
4314	1711933.31	1689608.18	1386.07
4315	1711932.49	1689619.48	1385.96
4316	1711928.83	1689669.95	1385.61
4317	1711928.15	1689679.32	1385.70
4318	1711924.37	1689731.40	1385.84
4319	1711923.82	1689739.08	1385.76
4320	1711787.71	1689072.04	1389.04
4321	1711677.16	1689212.78	1386.46
4322	1711613.00	1689206.66	1385.69
4323	1711548.81	1689199.10	1384.98
4324	1711470.69	1689194.56	1384.18
4325	1711406.87	1689203.11	1383.52
4326	1711337.09	1689213.78	1382.70
4327	1711248.74	1689205.79	1381.63
4328	1711186.11	1689192.63	1380.92
4329	1711123.48	1689179.48	1380.22
4330	1711060.55	1689169.14	1378.97
4331	1711051.00	1689060.26	1378.16
4332	1711165.75	1688966.89	1380.06
4333	1711243.74	1688965.56	1381.00
4334	1711307.72	1688964.10	1381.75
4335	1711371.77	1688966.53	1382.57
4336	1711457.86	1688974.80	1383.60
4337	1711535.88	1688974.95	1384.49
4338	1711598.47	1688968.06	1385.21
4339	1711657.67	1688958.54	1385.93
4340	1711676.35	1689074.58	1384.72
4341	1711674.01	1689074.63	1384.69
4342	1711610.03	1689076.09	1383.86
4343	1711600.94	1689076.30	1383.74
4344	1711546.04	1689077.55	1383.03
4345	1711538.07	1689077.73	1382.93
4346	1711468.06	1689079.33	1382.02
4347	1711460.24	1689079.51	1381.92
4348	1711404.08	1689080.79	1381.19
4349	1711374.32	1689081.46	1380.80
4350	1711334.10	1689082.38	1380.28

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4351	1711310.43	1689082.92	1379.97
4352	1711274.73	1689082.09	1379.50
4353	1711246.33	1689079.31	1379.13
4354	1711210.65	1689075.83	1378.67
4355	1711168.14	1689071.69	1378.11
4356	1711146.57	1689069.58	1377.83
4357	1711750.47	1689258.73	1387.35
4358	1711795.68	1689391.50	1388.12
4359	1711755.04	1689531.33	1386.48
4360	1711712.72	1689508.75	1385.89
4361	1711652.57	1689502.84	1385.39
4362	1711592.64	1689508.97	1384.79
4363	1711532.81	1689515.01	1384.19
4364	1711472.93	1689521.10	1383.59
4365	1711413.06	1689527.19	1382.99
4366	1711353.18	1689533.27	1382.38
4367	1711293.22	1689535.71	1381.74
4368	1711233.01	1689526.96	1381.07
4369	1711172.68	1689513.18	1380.48
4370	1711112.54	1689507.88	1379.92
4371	1711052.58	1689510.38	1379.34
4372	1711049.49	1689374.62	1376.82
4373	1710962.39	1689362.38	1376.02
4374	1710925.47	1689286.73	1377.57
4375	1711046.26	1689232.86	1379.35
4376	1711117.02	1689243.52	1380.22
4377	1711181.05	1689256.97	1380.94
4378	1711245.59	1689270.52	1381.66
4379	1711309.69	1689278.30	1382.31
4380	1711374.18	1689273.67	1382.96
4381	1711437.57	1689262.77	1383.66
4382	1711501.56	1689258.52	1384.45
4383	1711565.58	1689265.52	1385.18
4384	1711629.60	1689273.07	1385.89
4385	1711691.50	1689275.85	1386.50
4386	1711710.70	1689391.73	1384.10
4387	1711704.08	1689391.75	1384.03
4388	1711649.99	1689391.95	1383.44
4389	1711629.85	1689391.95	1383.21
4390	1711590.02	1689392.06	1382.77
4391	1711565.92	1689392.12	1382.51
4392	1711530.06	1689392.31	1382.12
4393	1711501.92	1689392.29	1381.81
4394	1711470.08	1689392.38	1381.46
4395	1711438.09	1689392.48	1381.10
4396	1711410.00	1689392.52	1380.80
4397	1711373.92	1689392.63	1380.40
4398	1711349.98	1689392.70	1380.13
4399	1711309.92	1689392.81	1379.69
4400	1711289.94	1689392.87	1379.47

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4401	1711245.79	1689393.01	1378.99
4402	1711229.90	1689393.08	1378.82
4403	1711181.42	1689393.15	1378.28
4404	1711169.92	1689391.57	1378.15
4405	1711117.40	1689384.16	1377.57
4406	1711109.69	1689383.08	1377.49
4407	1711747.78	1689684.47	1387.64
4408	1711740.90	1689790.72	1386.97
4409	1711676.03	1689803.96	1386.10
4410	1711616.29	1689815.85	1385.44
4411	1711556.32	1689817.84	1384.79
4412	1711496.13	1689810.02	1384.14
4413	1711435.86	1689798.94	1383.55
4414	1711375.76	1689795.37	1382.99
4415	1711315.85	1689800.06	1382.42
4416	1711256.00	1689807.42	1381.81
4417	1711196.16	1689814.78	1381.21
4418	1711136.31	1689822.14	1380.60
4419	1711076.06	1689811.79	1379.82
4420	1711073.51	1689699.84	1377.52
4421	1711017.91	1689701.11	1378.27
4422	1711023.06	1689570.50	1378.96
4423	1711086.43	1689566.28	1379.65
4424	1711141.46	1689567.52	1380.24
4425	1711201.74	1689578.64	1380.90
4426	1711262.13	1689591.11	1381.48
4427	1711322.21	1689593.90	1382.04
4428	1711382.02	1689588.64	1382.61
4429	1711441.89	1689582.55	1383.22
4430	1711501.77	1689576.47	1383.82
4431	1711561.65	1689570.38	1384.42
4432	1711616.53	1689564.80	1384.97
4433	1711670.47	1689559.85	1385.54
4434	1711673.35	1689686.17	1384.44
4435	1711619.33	1689687.40	1383.82
4436	1711613.37	1689687.53	1383.75
4437	1711564.34	1689688.65	1383.19
4438	1711553.38	1689688.90	1383.06
4439	1711504.36	1689690.02	1382.49
4440	1711493.40	1689690.27	1382.37
4441	1711444.37	1689691.38	1381.80
4442	1711433.41	1689691.63	1381.68
4443	1711384.39	1689692.75	1381.11
4444	1711373.43	1689693.00	1380.98
4445	1711324.41	1689694.12	1380.42
4446	1711313.44	1689694.37	1380.29
4447	1711264.42	1689695.49	1379.73
4448	1711253.46	1689695.74	1379.60
4449	1711204.44	1689696.85	1379.03
4450	1711193.47	1689697.10	1378.91

GRADING POINTS			
POINT #	NORTHING	EASTING	ELEV.
4451	1711144.45	1689698.22	1378.34
4452	1711133.49	1689698.47	1378.22
4453	1711089.47	1689699.47	1377.71
4454	1710881.00	1689395.21	1377.13
4455	1710959.87	1689512.38	1378.45
4456	1710964.98	1689572.25	1378.99
4457	1710962.58	1689632.35	1379.19
4458	1710960.01	1689697.42	1378.35
4459	1710979.07	1689794.87	1379.29
4460	1710893.97	1689821.96	1380.18
4461	1710833.98	1689823.33	1379.82
4462	1710772.50	1689824.73	1379.46
4463	1710712.51	1689826.10	1379.10
4464	1710652.53	1689827.46	1378.17
4465	1710649.73	1689704.50	1376.49
4466	1710709.71	1689703.13	1377.00
4467	1710769.70	1689701.76	1377.00
4468	1710831.18	1689700.36	1377.00
4469	1710843.86	1689700.07	1377.00
4470	1710891.16	1689698.99	1377.53
4471	1710842.38	1689635.09	1377.10
4472	1710841.01	1689575.10	1377.00
4473	1710839.64	1689515.12	1377.00
4474	1710838.27	1689455.13	1377.00

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SCOTT PRESTON LEWIS
LICENSED
24423
KANSAS
PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

LOT CORNER POINT TABLES (2 OF 2)

PROJECT NO. 458-2026-085655

SCALE N/A

DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-412-G01
25 OF 44

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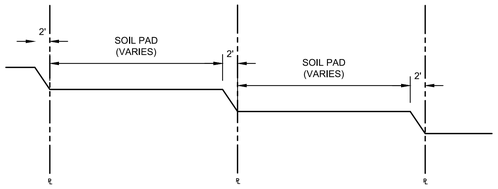
\\KCTNAS16\VOL7\PROJECTS\2025\2501010637 - ARTISTIC_RIVINGTON\00.250637 CAD\SHTS\05 CIVIL\GRD\2501010637_05_C-401-G01.DWG

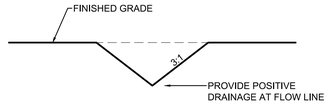
PLOTTED: Wednesday, October 21, 2026 @ 03:00PM



1 TYPICAL LOT GRADING SECTION

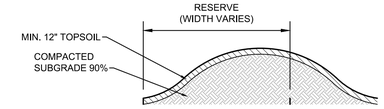
SCALE: NTS

NOTE:
COST SUBSIDIARY TO EARTHWORK



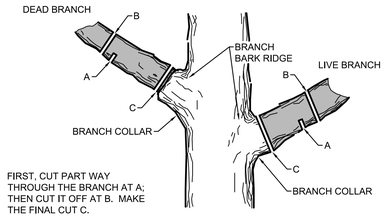
2 TEMP. DRNG. SWALE

SCALE: NTS



3 TYPICAL BERM SECTION

SCALE: NTS

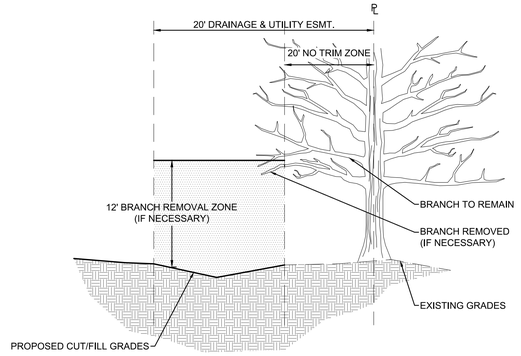


TREE TRIMMING NOTES:

1. NOTIFY MKEC PROJECT ENGINEER PRIOR TO COMMENCEMENT OF EASEMENT CLEARING & GRUBBING OPERATIONS. CONTRACTOR SHALL HAVE LIMITS OF REMOVAL DEFINED WITH FLAG & LATH. MKEC PROJECT ENGINEER WILL PROVIDE JUDGEMENT CALLS FOR TREES IN QUESTION. PROVIDE MKEC 24-HOUR NOTICE.
2. TREES MAY BE BURNED ON SITE. REGULATORY & PERMITTING APPROVALS SHALL BE SECURED BY CONTRACTOR.
3. TRIMMING OF BRANCHES SHALL NOT BE DONE WITH A BACKHOE!

4 TREE TRIMMING DETAIL

SCALE: NTS



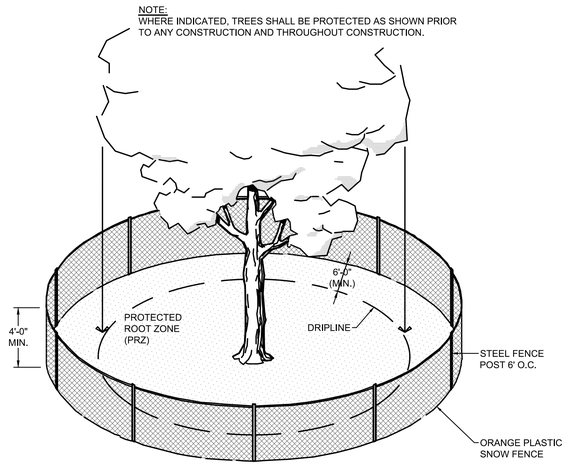
NOTES:

1. NOTIFY MKEC PROJECT ENGINEER PRIOR TO COMMENCEMENT OF EASEMENT CLEARING & GRUBBING OPERATIONS. CONTRACTOR SHALL HAVE LIMITS OF REMOVAL DEFINED WITH FLAG & LATH. MKEC PROJECT ENGINEER WILL PROVIDE JUDGEMENT CALLS FOR TREES IN QUESTION. PROVIDE MKEC 24-HOUR NOTICE.
2. TREES MAY BE BURNED ON SITE. REGULATORY & PERMITTING APPROVALS SHALL BE SECURED BY CONTRACTOR.
3. TRIMMING OF BRANCHES SHALL NOT BE DONE WITH A BACKHOE!
(REFER TO TREE TRIMMING DETAIL FOR PROPER TRIMMING METHOD.)

5 HEDGE ROW

SCALE: NTS

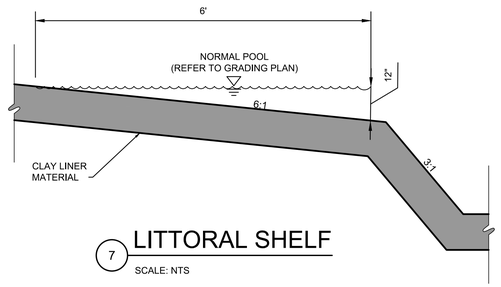
NOTE:
WHERE INDICATED, TREES SHALL BE PROTECTED AS SHOWN PRIOR TO ANY CONSTRUCTION AND THROUGHOUT CONSTRUCTION.



NOTE:
THE TEMPORARY FENCE IS TO BE CONSTRUCTED AROUND SPECIFIED AREAS/TREES PRIOR TO ANY CONSTRUCTION AND SHALL REMAIN UNTIL ALL CONSTRUCTION IS COMPLETE. CONSTRUCTION EQUIPMENT AND MATERIALS ARE NOT PERMITTED WITHIN THE (PRZ). THE FENCE PLACEMENT AROUND THE (PRZ) MAY ONLY BE ADJUSTED WITH PERMISSION FROM THE LANDSCAPE ARCHITECT.

6 TREE PROTECTION DETAIL

SCALE: NTS

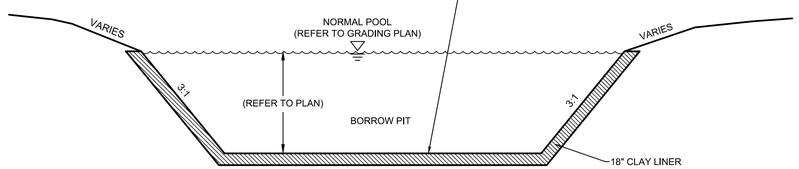


7 LITTORAL SHELF

SCALE: NTS

NOTE:
PERMEABILITY TESTS OF THE LINER MATERIAL SHALL BE PERFORMED BY A GEOTECHNICAL SOILS ENGINEER AT 2 RANDOM LOCATIONS PER POND AS DETERMINED BY THE PROJECT INSPECTOR AND AT THE CONTRACTOR'S EXPENSE. THE CLAY LINER MATERIAL SHALL MEET OR EXCEED A PERMEABILITY RATING VALUE STATED IN THE GEOTECHNICAL REPORT. UES JOB # A26125.00443.000

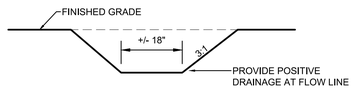
1. OVER EXCAVATE 18" OF SOIL FOR POND AREA
2. CONSTRUCT 18" CLAY LINER
3. HIGH PLASTICITY CLAY (PI>30 OR BEST AVAILABE ON-SITE)
4. COMPACT TO 95% STD. DENSITY (ASTM D-698)
5. CONTROL MOISTURE WITHIN ±3% OF OPTIMUM



8 POND LINER DETAIL FOR POND SEALING

SCALE: NTS

NOTE:
COST SUBSIDIARY TO EARTHWORK



9 POND OUTFALL DRNG. SWALE

SCALE: NTS

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RIVINGTON ADDITION

STORM WATER DRAINAGE

WICHITA, KS

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GRADING DETAILS
(1 OF 3)

PROJECT NO.
458-2026-085655

SCALE
NTS

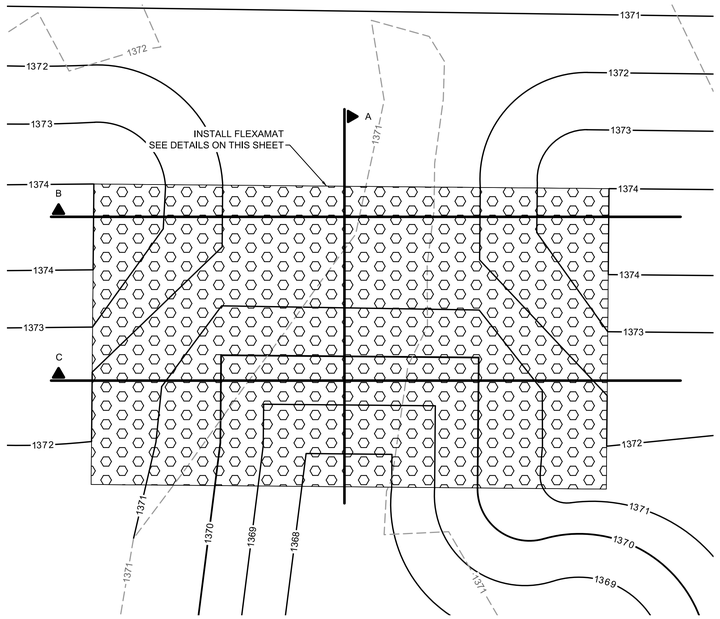
DRAWN	DESIGNED	CHECKED
WJW	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-501-G01
26 OF 44

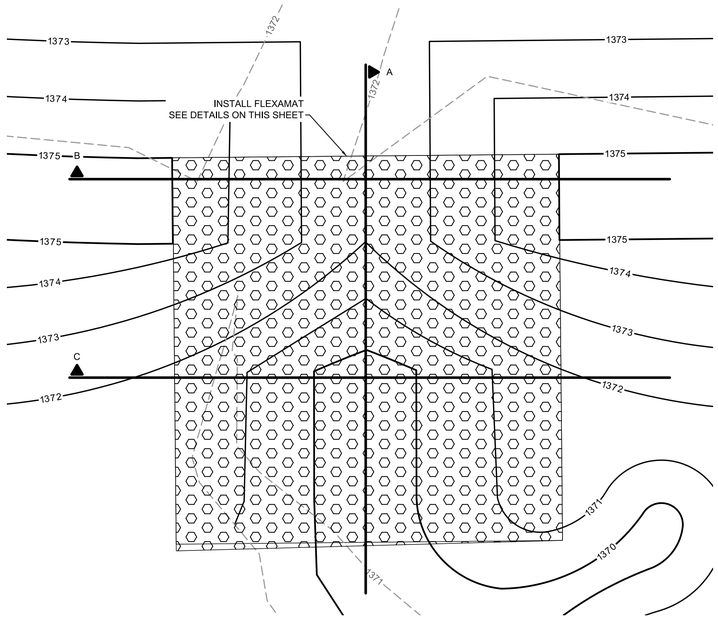
\\KCTNAS16\VOL7\PROJECTS\2025\2501010637 - ARTISTIC_RIVINGTON\00.25I637 CAD\SHTS\05 CIVIL\GRD\2501637_05_C-501-G01.DWG

PLOTTED: Wednesday, October 21, 2026 @ 03:01PM



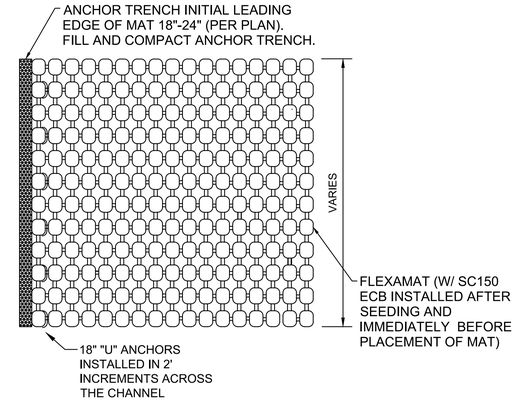
1 POND 1 OUTFALL STRUCTURE PLAN

SCALE: 1"=5'

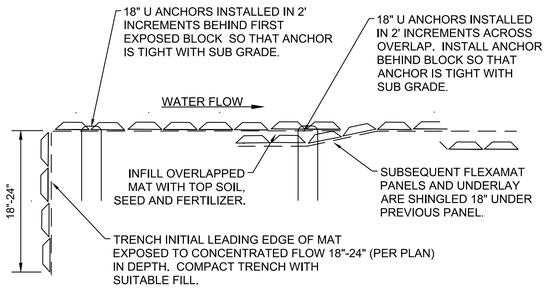


5 POND 2 OUTFALL STRUCTURE PLAN

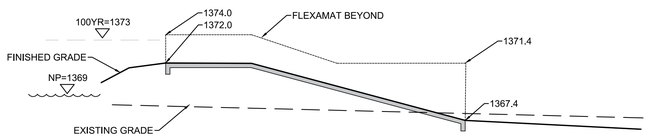
SCALE: 1"=5'



INITIAL PERPENDICULAR EDGE EXPOSED TO CONCENTRATED FLOW

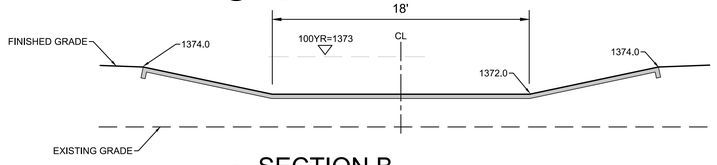


PERPENDICULAR SEAM OVERLAPS



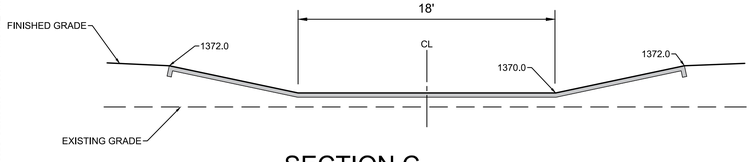
2 SECTION A

SCALE: NTS



3 SECTION B

SCALE: NTS



4 SECTION C

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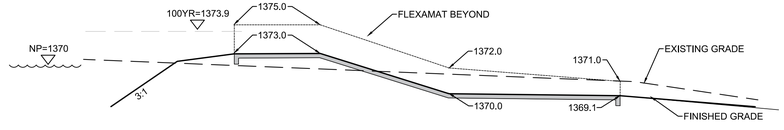
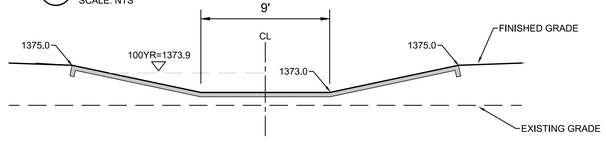


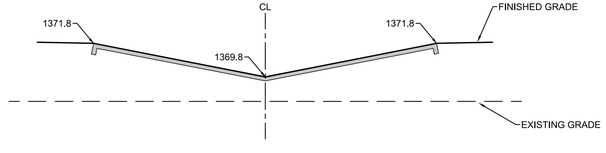
6 SECTION A

SCALE: NTS



7 SECTION B

SCALE: NTS



8 SECTION C

SCALE: NTS

CONSTRUCTION NOTES:

1. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS.
2. APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
3. INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16' AVAILABLE IN CUSTOM LENGTHS. FOR WIDER WIDTHS, INSTALL MATS ADJACENT TO EACH OTHER. (CONTACT MANUFACTURER FOR DETAIL ADDRESSING LONGITUDINAL SEAMS.)
4. AT THE TOP OF THE EMBANKMENT, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOWS SHALL BE EMBEDDED 18" -24" (PER PLAN) VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY EOR).
5. FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 18" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25" OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL, SEED AND FERTILIZER OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
6. INSTALL 18" U-ANCHORS IN 2' INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS. "U" ANCHORS CONSIST OF #3 REBAR "U" ANCHOR WITH 18" LEGS.
7. AT THE END OF THE ARMORED AREA(IF SPECIFIED ON THE PLANS), EMBED THE MAT 18"-24" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SOIL.

FLEXAMAT INSTALLATIONS:
SEEDING AND SC150 EROSION CONTROL BLANKETS SHALL BE PLACED UNDER ALL FLEXAMAT INSTALLATIONS.

ADDITIONAL QUANTITIES HAVE BEEN INCLUDED IN THE INSTALL CALLOUTS TO ACCOUNT FOR EDGE TRENCH EMBEDMENT. ADDITIONAL QUANTITY REQUIRED DUE TO SEAM OVERLAP HAS NOT BEEN INCLUDED. SEAN OVERLAP QUANTITIES DEPENDENT ON ROLL SIZE UTILIZED BY CONTRACTOR.

FLEXAMAT INFORMATION

Contact:	Daniel Taphorn
Office:	513-772-6689
Cell:	513-703-1041
E-mail:	dan@flexamat.com
Manufacturer:	Motz Enterprises, Inc.
Product Name:	Flexamat®
Address:	3153 Madison Road Cincinnati, Ohio 45209
Telephone:	513-772-MOTZ (6689)
Fax:	513-772-6690
E-mail:	Info@flexamat.com
Website:	www.Flexamat.com

9 FLEXAMAT NOTES AND DETAILS

NOTE: THE FLEXAMAT DETAILS AND NOTES, ON THIS SHEET, ARE AN ADAPTATION OF THE FLEXAMAT NOTES AND DETAILS THAT ARE AVAILABLE FOR DOWNLOAD FROM THEIR WEBSITE. (WWW.FLEXAMAT.COM/TECHNICAL-INFORMATION/INSTALLATION-DETAILS)

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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

GRADING DETAILS (2 OF 3)

PROJECT NO, 458-2026-085655

SCALE NTS

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NO.	REVISION	DATE
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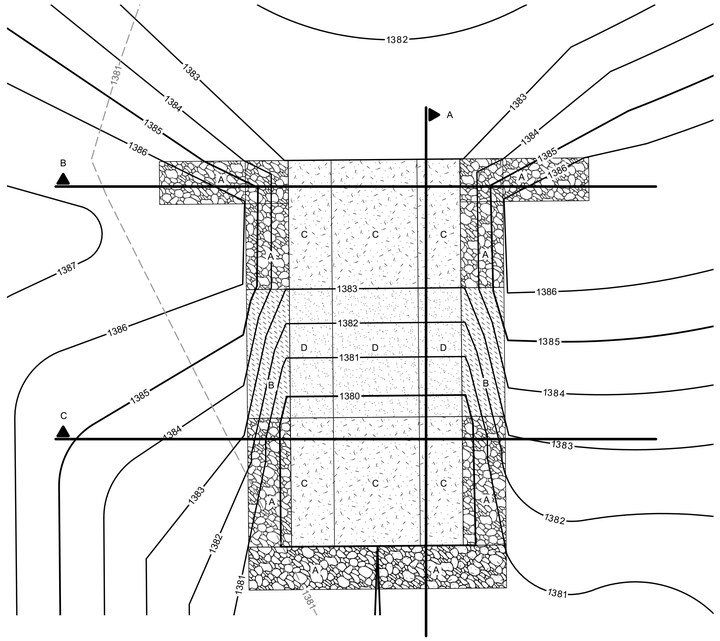


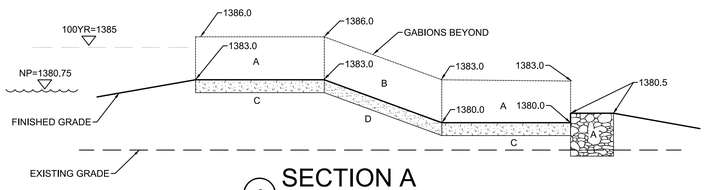
1 POND 3 OUTFALL STRUCTURE

SCALE: 1"=5'

POND 3 TABLE

TYPE	DESCRIPTION	L	W	D	SUB TOTAL	TOTAL
A	GABION BASKET-FLAT	9'	3'	3'	8	12
B	GABION BASKET-ANGLED	9'	3'	3'	4	
C	GABION MATTRESS-FLAT	9'	6'	0'-9"	6	9
D	GABION MATTRESS-ANGLED	9'	6'	0'-9"	3	

NOTE: GABIONS SHALL BE PVC COATED. INSTALL PER THE MANUFACTURER'S SPECIFICATIONS.



2 SECTION A

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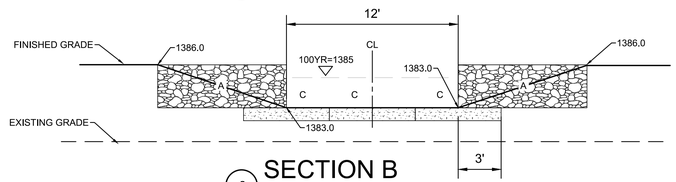

3 SECTION B

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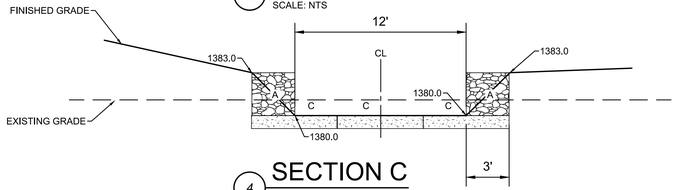

4 SECTION C

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STORM WATER DRAINAGE

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(3 OF 3)

PROJECT NO. 458-2026-085655

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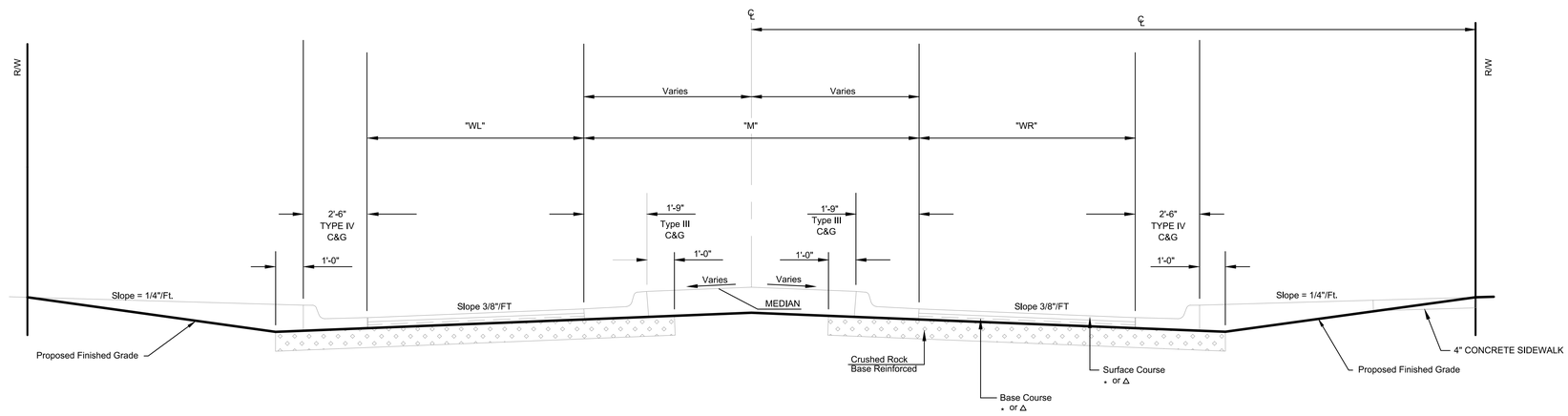
GENERAL PAVING NOTES

1. ALL PROPOSED AND FUTURE ROADS ARE 5" THICK ASPHALT ON 5" CRUSHED ROCK BASE. REFERENCE GRADING SHEETS FOR PAVING BREAKS.

TYPICAL SECTION



1 TYPICAL ROAD SECTION DETAIL

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ASPHALT PAVING DETAIL

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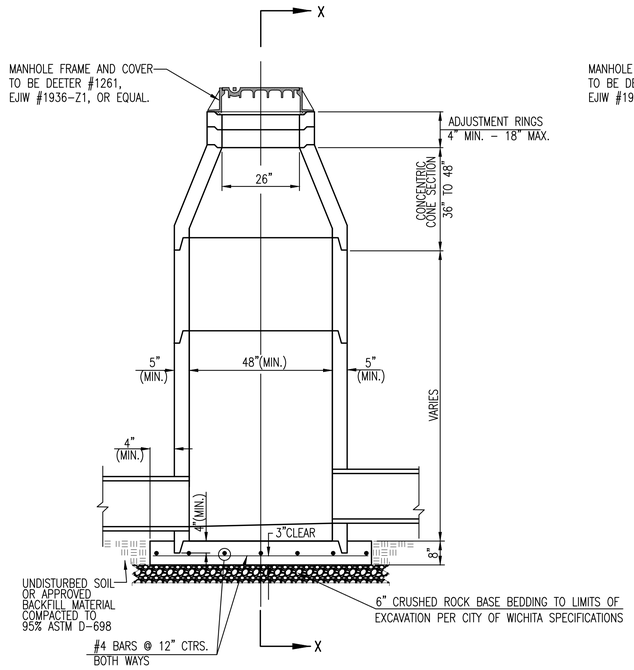
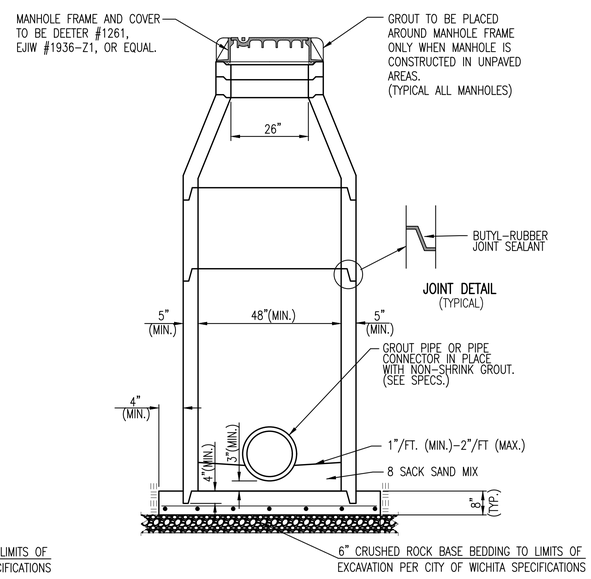
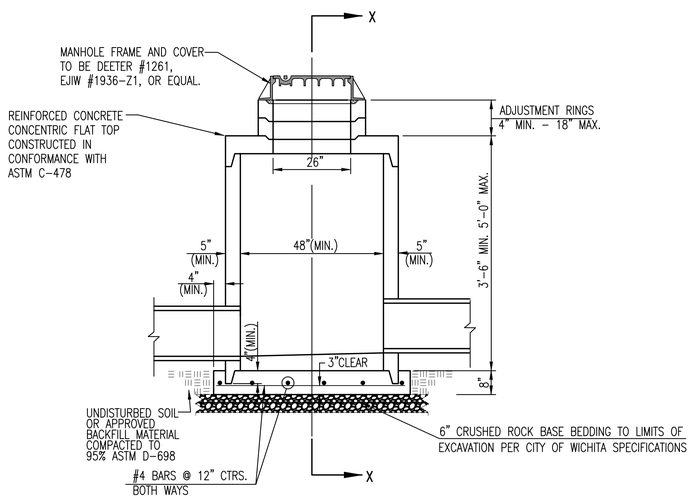


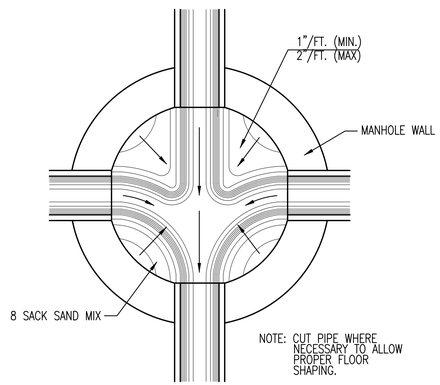
PRECAST
STANDARD MANHOLE
TYPE "A"



SECTION X-X
(TYPICAL)



PRECAST
SHALLOW MANHOLE
TYPE "B"



TYPICAL MANHOLE
FLOOR SHAPING

GENERAL NOTES

1. 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.
2. STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
3. ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
4. 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.
5. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
6. CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
8. MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
9. 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.
10. 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.
11. THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
12. 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.
13. MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL, SEE SW-303.
14. FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
15. FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.

REVISED: MARCH 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

PRECAST CONCRETE MANHOLE (STORM SEWER)

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
458-2026-085655	####	DATE

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

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SW-301

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Plot Scale 1:1 10-21-2026 3:02:34 PM by WILL WHITED
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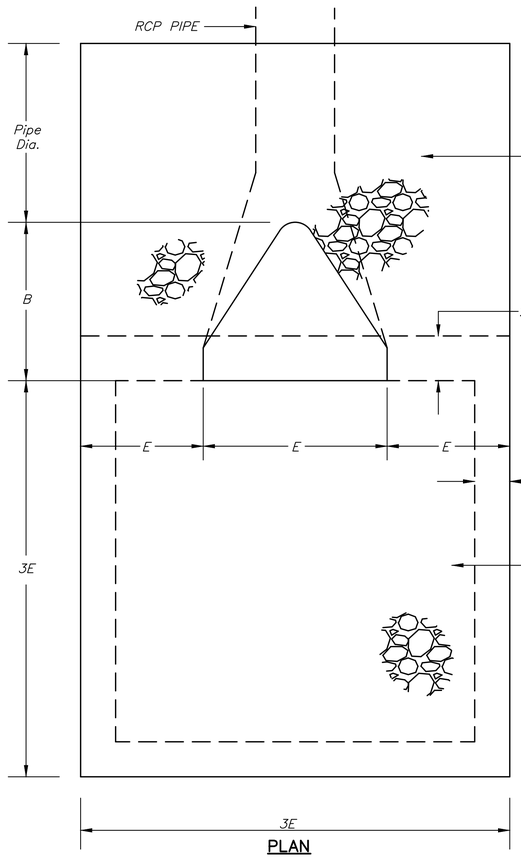
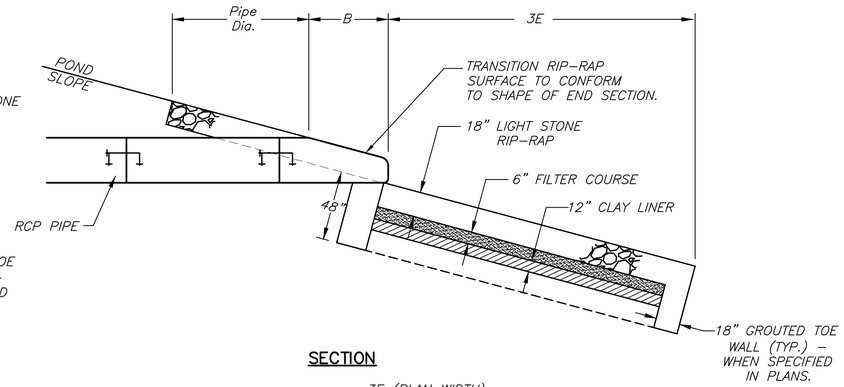


PLAN



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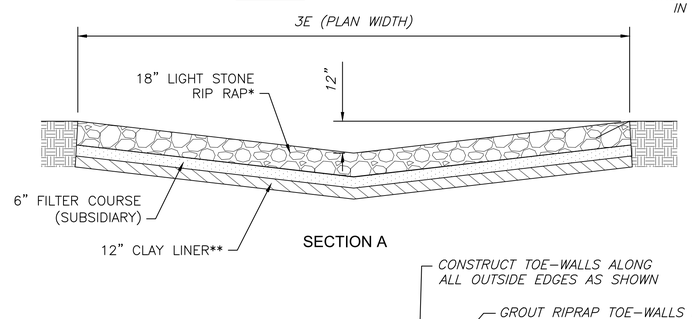

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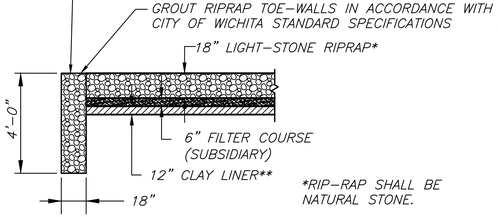
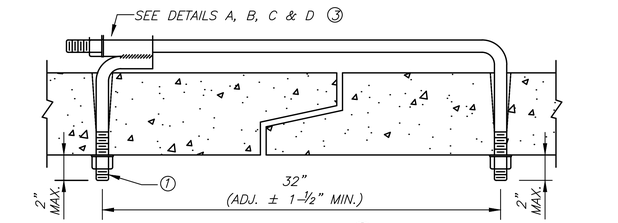
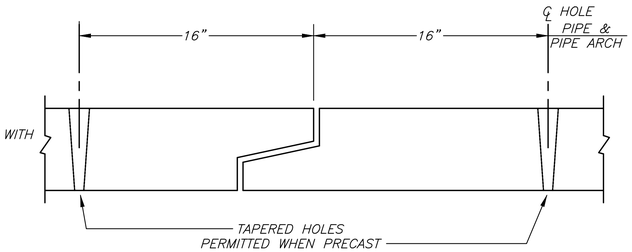


RIPRAP DETAIL

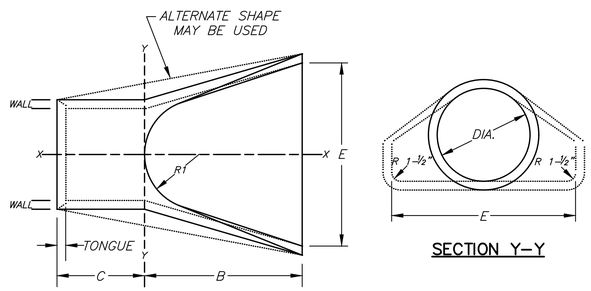
*RIP–RAP SHALL BE NATURAL STONE.

**CLAY LINER (PI=30), MOISTURE CONDITION & COMPACT TO 95% STD. DENSITY



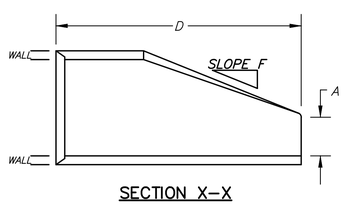


HOLES SHALL BE CAST OR DRILLED 16" FROM CENTERLINE OF JOINTS FOR BOX CULVERTS, AS SHOWN ABOVE, UNLESS FORMS ARE SET UP FOR 16" SPACING FROM OUTSIDE OF JOINT.



PIPE PLAN

SECTION Y–Y



SECTION X–X

NOTES:

FILTER COURSE, GROUTED TOE WALL AND CLAY LINER SUBSIDIARY TO "RIP RAP, LIGHT STONE".

TIES ARE SUBSIDIARY TO STORM SEWER PIPE.

TIE RODS SHALL BE GALVANIZED OR POWER WASHED AND DIPPED IN AN APPROVED ZINC RICH EPOXY PRIME PAINT AFTER FABRICATION.

RIP–RAP DIMENSIONS AT PIPE INLETS AND OUTLETS MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS IF APPROVED BY THE ENGINEER.

TIES TO BE USED ONLY TO HOLD PIPE SECTIONS TOGETHER, NOT FOR PULLING SECTIONS TIGHT.

CONNECT END SECTION AND PIPE SECTIONS WITH PIPE TIES A MINIMUM OF 2 JOINTS FROM THE END SECTION.

① TIE ROD THREADS SHALL PROJECT TO THE INSIDE OF PIPE EXCEPT AS NOTED IN PLANS.

② TIE ROD THREADS SHALL BE RECESSED WHEN PIPE IS USED AS CATTLE PASS OR PEDESTRIAN TRAIL.

③ TIES MAY BE COMPLETED WITH U–BOLT TIES, SINGLE CONNECTION TIES (AS SHOWN) OR DOUBLE CONNECTION TIES.

DIAM.	A	B	C	D	E	F	R1	TONGUE	WALL
12"	4"	2' 0"	4' 0–7/8"	6' 0–7/8"	2' 0"	3:1	9"	1–1/2"	2"
15"	6"	2' 3"	3' 10"	6' 1"	2' 6"	3:1	11"	2"	2 1/4"
18"	9"	2' 3"	3' 10"	6' 1"	3' 0"	3:1	12"	2–1/2"	2 1/2"
24"	9–1/2"	3' 7–1/2"	2' 6"	6' 1–1/2"	4' 0"	3:1	14"	2–1/2"	3"
30"	1' 0"	4' 6"	1' 7–3/4"	6' 1–3/4"	5' 0"	3:1	15"	3"	3–1/2"
36"	1' 3"	5' 3"	1' 10–3/4"	8' 1–3/4"	6' 0"	3:1	20"	3–1/2"	4"
42"	1' 9"	5' 3"	2'–11"	8' 2"	6' 6"	3:1	22"	3–3/4"	4–1/2"
48"	2' 0"	6' 0"	2' 2"	8' 2"	7' 0"	3:1	22"	4–1/4"	5"
54"	2' 3"	5' 5"	2' 11"	8' 4"	7' 6"	3:1	24"	4–3/4"	5–1/2"
60"	2' 6"	5' 0"	3' 3"	8' 3"	8' 0"	2.4:1	24"	5"	6"
66"	2' 0"	6' 6"	1' 9"	8' 3"	8' 6"	2:1	24"	5–1/2"	7"
72"	2' 0"	6' 6"	1' 9"	8' 3"	9' 0"	2:1	24"	6"	7–1/2"

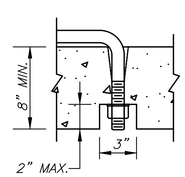
END AREA SQ.FT.	ROUND EQUIV.	SPAN	RISE	WALL	A	B	C	D	E	R1	R2	R3	R4
3.3	24"	30"	19"	3 1/4"	8–1/2"	3' 3"	2' 9"	6' 0"	4' 0"	8–1/4"	26–1/4"	3"	7"
4.1	27"	34"	22"	3 1/2"	9"	3' 10"	2' 2"	6' 0"	4' 6"	9–1/4"	29–17/32"	3"	8"
5.1	30"	38"	24"	3 3/4"	9–1/2"	4' 6"	1' 6"	6' 0"	5' 0"	10–1/4"	32–3/4"	3"	9"
6.3	33"	42"	27"	3 3/4"	10–3/8"	4' 9"	1' 3"	6' 0"	5' 6"	11–7/16"	36–3/16"	3"	10–1/2"
7.4	36"	45"	29"	4 1/2"	11 1/4"	5' 0"	3' 0"	8' 0"	6' 0"	12–1/4"	39–1/4"	3"	12"

TONGUE LENGTHS BASED ON QUINN STANDARD

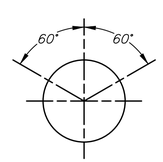
PIPE SIZE (INCHES)	ROD THREAD DIA.
12 – 27	⅝"
30 – 66	¾"
72 – 108	1"

ROD THREAD DIA.	EXTRA STRONG PIPE INSIDE DIA.
⅝"	¾"
¾"	1"
1"	1–1/4"

PIPE SIZE LISTED IS INSIDE DIA. OF ROUND PIPE OR EQUIVALENT DIA. OF PIPE ARCH.



OPTIONAL RECESS DETAIL (2)



ROUND PIPE

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10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

END SECTION DETAIL

PROJECT NO. 458-2026-085655

SCALE AS SHOWN

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PLOTTED: Wednesday, October 21, 2026 @ 03:09PM

SEDIMENTATION BASIN CALCULATIONS

SEDIMENTATION BASIN DETAILS

POND 1

REQUIRED:

32.2 ACRES DRAINING TO POND X 3,600 CUBIC FEET / 1 ACRE = 115,920 CUBIC FEET

115,920 CUBIC FEET X 1 ACRE / 43,560 SQUARE FEET = 2.66 ACRE-FEET

PROVIDED:

DEPTH = 15.75 FEET

NP 1380.75 = 83,197 SF = 1.91 ACRES

BOTTOM 1365.00 = 33,242 SF = 0.76 ACRES

(1.91 ACRES + 0.76 ACRES) / 2 = 1.34 ACRES X 15.75 FEET = 21.11 ACRE-FEET

POND 2

REQUIRED:

26.2 ACRES DRAINING TO POND X 3,600 CUBIC FEET / 1 ACRE = 94,320 CUBIC FEET

94,320 CUBIC FEET X 1 ACRE / 43,560 SQUARE FEET = 2.17 ACRE-FEET

PROVIDED:

DEPTH = 15 FEET

NP 1369.00 = 68,309 SF = 1.57 ACRES

BOTTOM 1354.00 = 24,118 SF = 0.55 ACRES

(1.57 ACRES + 0.55 ACRES) / 2 = 1.06 ACRES X 15 FEET = 15.90 ACRE-FEET

POND 3

REQUIRED:

19.5 ACRES DRAINING TO POND X 3,600 CUBIC FEET / 1 ACRE = 70,200 CUBIC FEET

70,200 CUBIC FEET X 1 ACRE / 43,560 SQUARE FEET = 1.61 ACRE-FEET

PROVIDED:

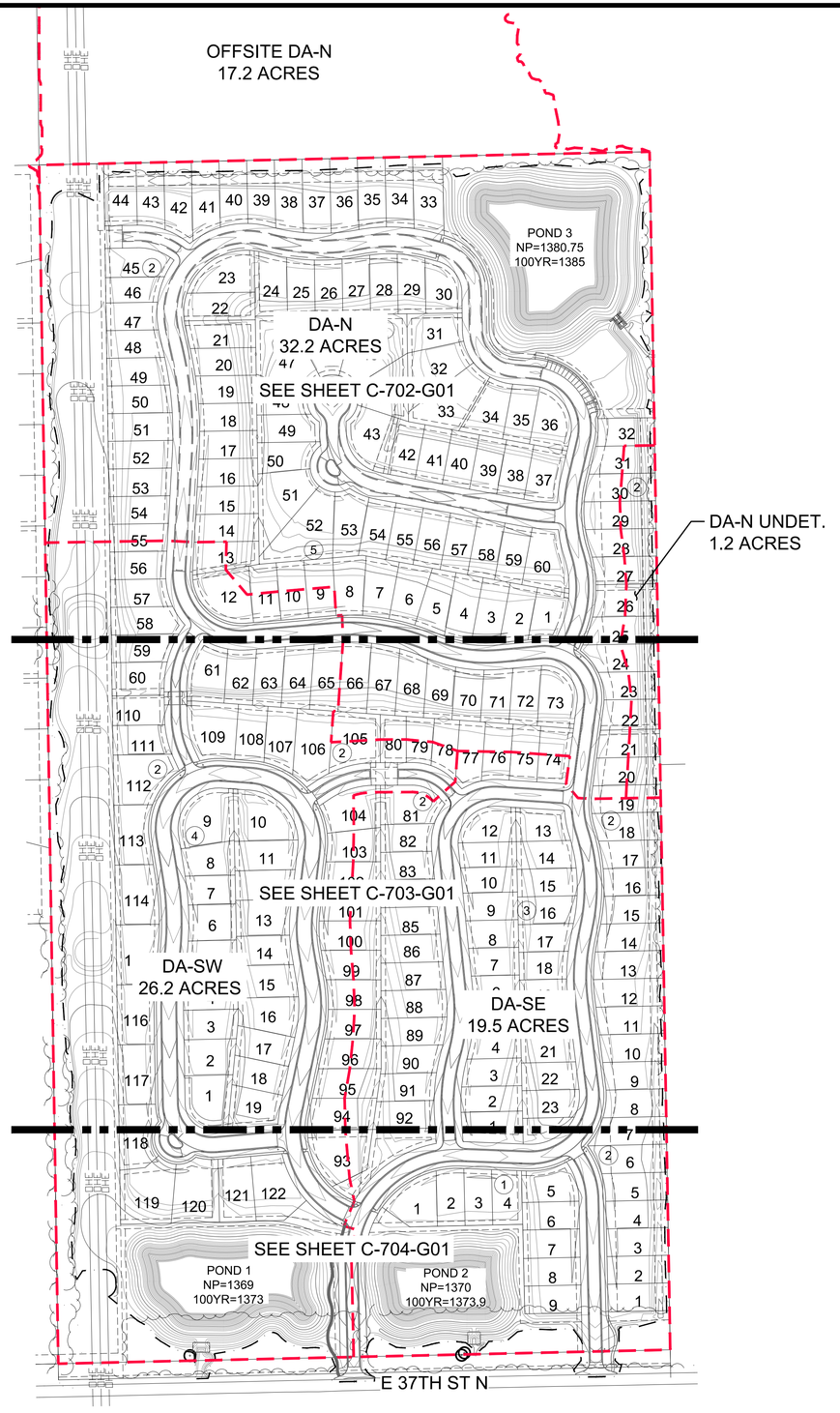
DEPTH = 15 FEET

NP 1370.00 = 43,404 SF = 1.00 ACRE

BOTTOM 1355.00 = 11,554 SF = 0.27 ACRES

(1.00 ACRE + 0.27 ACRES) / 2 = 0.64 ACRES X 15 FEET = 9.6 ACRE-FEET

SEDIMENTATION BASIN EXPLANATION: THE STORM WATER LEAVES THE SITE IN MULTIPLE LOCATIONS AND EROSION CONTROL MEASURES WILL BE USED TO KEEP SEDIMENT FROM LEAVING THE SITE.



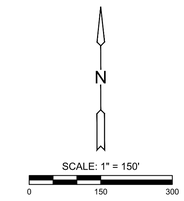
EROSION CONTROL/SEEDING NOTES

1. EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODE STANDARDS.
2. TEMPORARY SEEDING: ALL AREAS DISTURBED WITH EXCEPTION OF PROPOSED STREET PAVEMENT AND AREAS PROPOSED AS NATIVE SEEDING (SEE SEEDING PLAN) SHALL BE SEEDED AND FERTILIZED AS FOLLOWS:
   - ANNUAL RYEGRASS @ 150 LBS./ACRE
   - SLOW RELEASE FERTILIZER @ 150 LBS./ACRE
3. IN THE EVENT THAT A PORTION OF THE SITE WILL REMAIN DISTURBED FOR MORE THAN 14 DAYS, PERMANENT SEEDING SHALL BE INSTALLED.
4. ALL AREAS SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES, AND OTHER EXTRANEOUS MATERIALS.
5. CONTRACTOR SHALL PROVIDE EROSION PROTECTION THROUGHOUT PROJECT CONSTRUCTION. THE PLAN PROVIDED HERE IS FOR FINAL PROTECTION, VARIOUS PHASES OF THIS PLAN SHALL BE IMPLEMENTED OR MODIFIED TO CONTROL EROSION. MODIFICATIONS OF THE PLAN SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
6. SEEDING AREAS SHALL BE PREPARED FOR PLANTING WITH COMMON AGRICULTURAL TECHNIQUES. APPROVE WITH OWNER'S REPRESENTATIVE BEFORE PLANTING.
7. ALL SEED SHALL BE DISTRIBUTED WITH AN ACCEPTABLE DRILL INTENDED FOR SUCH OPERATIONS, OR OTHER EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE. SEEDING DEPTH SHALL BE 1/4 OF AN INCH.
8. ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT 2 TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.
9. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND IMPLEMENTING ALL EROSION CONTROL.
10. TURF REINFORCEMENT MAT SHALL BE PLACED OVER PERMANENT SEEDING MIXES PER THE MANUFACTURER'S RECOMMENDATIONS WHERE INDICATED.
11. IN ORDER TO PREVENT SILT OR SEDIMENT FROM ENTERING ADJACENT PROPERTIES, APPROPRIATE BMP'S SHALL BE IMPLEMENTED WITHIN THE PROJECT.
12. ANY MUD TRACKED ONTO ADJACENT PAVED AREAS OR STREETS SHALL BE REMOVED AT THE END OF EACH WORK DAY.
13. PER THE REQUIREMENTS OF THE NOI/SWPPP, BMP INSPECTION REPORTS SHALL BE COMPLETED BY THE CONTRACTOR WEEKLY AND WITHIN 24 HOURS AFTER A 1/2" RAIN. REPORTS SHALL BE KEPT WITH THE SWPPP ON SITE.
14. CONTRACTOR SHALL PROVIDE A SIGN NEAR THE ENTRANCE WITH THE FOLLOWING INFORMATION:

    A. CONTACT NAME AND INFORMATION
    B. A COPY OF THE NOI
    C. LOCATION OF SWPPP

LEGEND

- 1250 — PROPOSED MAJOR CONTOUR
- 1249 — PROPOSED MINOR CONTOUR
- W — EXISTING WATERLINE
- EXISTING SANITARY SEWER
- EXISTING STORMWATER SEWER
- UGT — EXISTING UNDERGROUND TELEPHONE
- UGE — EXISTING UNDERGROUND ELECTRICAL
- OHE — EXISTING OVERHEAD ELECTRICAL
- G — EXISTING GASLINE
- FOC — EXISTING FIBER OPTIC LINE
- SF — SILT FENCE (2,450 L.F)
- X — TREE PROTECTION FENCE (3,970 L.F.)
- TEMPORARY DRAINAGE SWALE
- DRAINAGE BASIN BOUNDARY
- LIMITS OF GRADING
- FLOW ARROW
- DITCH CHECK (20)
- STABILIZED CONSTRUCTION ENTRANCE (2)
- TURF REINFORCEMENT MAT TRM SC250 (APPROX. 764 S.Y.)
- RIPRAP (APPROX. 493 S.Y.)



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SCOTT PRESTON LES LICENSED PROFESSIONAL ENGINEER 24423 KANSAS 10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

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OVERALL EROSION CONTROL PLAN

PROJECT NO. 458-2026-085655

SCALE 1" = 150'

DRAWN	DESIGNED	CHECKED
LES	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-701-G01
32 OF 44

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PLOTTED: Wednesday, October 21, 2026 @ 03:09PM



MATCHLINE-SEE SHEET C-703-G01

LEGEND

- 1250 — PROPOSED MAJOR CONTOUR
- 1249 — PROPOSED MINOR CONTOUR
- W — EXISTING WATERLINE
- EXISTING SANITARY SEWER
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- UGT — EXISTING UNDERGROUND TELEPHONE
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- TEMPORARY DRAINAGE SWALE
- DRAINAGE BASIN BOUNDARY
- LIMITS OF GRADING
- FLOW ARROW
- DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- TURF REINFORCEMENT MAT TRM SC250
- RIPRAP

N

SCALE: 1"=60'

0 60 120

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SCOTT PRESTON EISENBAST LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

EROSION CONTROL PLAN (1 OF 3)

PROJECT NO. 458-2026-085655

SCALE 1" = 60'

DRAWN	DESIGNED	CHECKED
LES	DFL	SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO. C-702-G01
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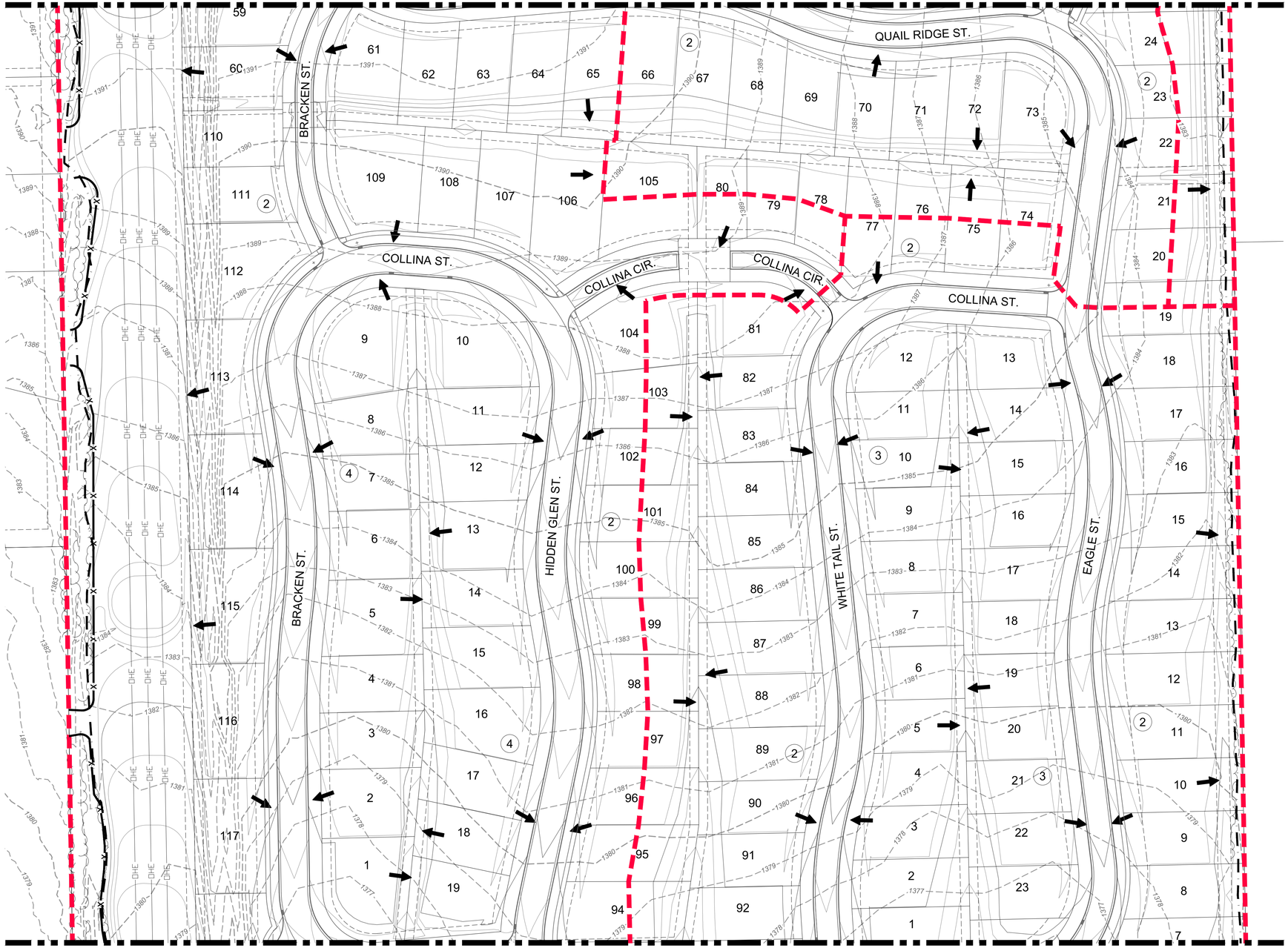

MATCHLINE-SEE SHEET C-704-G01

LEGEND

- 1250 — PROPOSED MAJOR CONTOUR
- 1249 — PROPOSED MINOR CONTOUR
- W — EXISTING WATERLINE
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- DRAINAGE BASIN BOUNDARY
- LIMITS OF GRADING
- FLOW ARROW
- DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- TURF REINFORCEMENT MAT TRM SC250
- RIPRAP

N

SCALE: 1"=60'

0 60 120

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SCOTT PRESTON LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

EROSION CONTROL PLAN (2 OF 3)

PROJECT NO. 458-2026-085655

SCALE 1" = 60'

DRAWN	DESIGNED	CHECKED
LES	DFL	SPE

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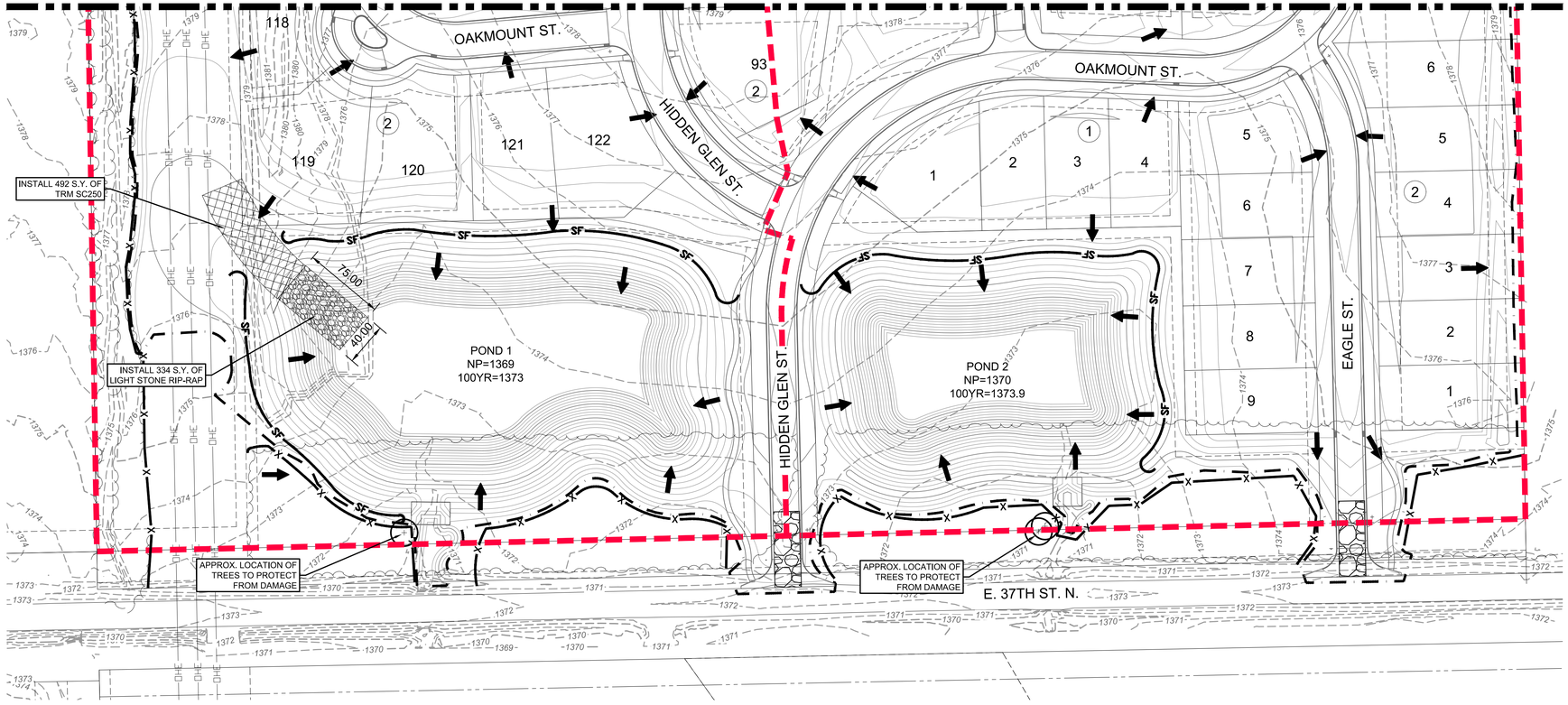

LEGEND

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- DRAINAGE BASIN BOUNDARY
- LIMITS OF GRADING
- FLOW ARROW
- DITCH CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- TURF REINFORCEMENT MAT TRM SC250
- RIPRAP

N

SCALE: 1"=60'

0 60 120

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10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

EROSION CONTROL PLAN (3 OF 3)

PROJECT NO, 458-2026-085655

SCALE 1" = 60'

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PLOTTED: Wednesday, October 21, 2026 @ 03:09PM

GENERAL SEEDING NOTES

1. CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH ALL APPLICABLE SPECIFICATIONS RELATED TO EACH SEED OR SEED MIX INSTALLATION.
2. ALL DISTURBED AREAS AS SHOWN ON THE SEEDING PLAN SHALL RECEIVE THE DESIGNATE PERMANENT SEED MIX AFTER GRADING OPERATIONS ARE COMPLETE.
3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES (INCLUDING THOSE INDICATED ON THE PLAN) PRIOR TO INSTALLATION OF PLANT MATERIAL. UTILITIES CAN BE FLAGGED BY CALLING 811 OR 1-800-344-7233, OR ONLINE AT WWW.KANSASONECALL.COM. DAMAGE TO UTILITIES SHALL BE AVOIDED DURING THE COURSE OF WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION OPERATIONS.
4. THE SEEDING CONTRACTOR SHALL COORDINATE WITH THE MASS GRADING CONTRACTOR TO INSURE THEY THOROUGHLY PREPARE THE TOP SOIL LAYER FOR LANDSCAPE MATERIAL INSTALLATION.
5. ALL SEED MIXES & CERTIFIED CLEAN PRAIRIE HAY MULCH DOCUMENTATION SHALL BE SUBMITTED TO DESIGN ENGINEER FOR REVIEW AT LEAST ONE MONTH PRIOR TO INSTALLATION.
6. ALL SEED SHALL BE DISTRIBUTED WITH AN ACCEPTABLE DRILL INTENDED FOR SUCH OPERATIONS, OR OTHER EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE. SEEDING DEPTH SHALL BE 1/4 OF AN INCH UNLESS NOTED OTHERWISE.
7. ALL SEED SHOULD BE PLACED AT A UNIFORM RATE OVER THE DELINEATED AREA AT THE SPECIFIED SEEDING RATE. BROADCAST SEED SHALL BE PLACED AT 1.5 TIMES THE DESIGNATED RATE.
8. BMP AREAS SHOULD BE INSPECTED FOLLOWING MAJOR STORMS AND ON A REGULAR MONTHLY SCHEDULE. ANY TRASH OR DEBRIS SHOULD BE REMOVED AS SOON AS IT IS FOUND TO PREVENT PLANTS FROM BEING SMOTHERED. REGULARLY REMOVING TRASH AND DEBRIS WILL MAINTAIN AESTHETICS OF THE FEATURE. ALL TRASH AND DEBRIS SHOULD BE DISPOSED OF PROPERLY.
9. UNLESS SEEDING INTO A COVER CROP ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT 2 TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT.

PERENNIAL RYEGRASS INSTALLATION

PERENNIAL RYEGRASS (NOT FOR USE IN NATIVE GRASS MIX AREAS):
PERENNIAL RYEGRASS @ 150 LBS./ACRE
SLOW RELEASE FERTILIZER @ 150 LBS./ACRE
SEED DATES: BETWEEN SEPT. 1ST THROUGH MAY 15TH, OR AS APPROVED BY THE LANDSCAPE ARCHITECT

NATIVE GRASS & WILDFLOWER INSTALLATION

COVER CROP MIX (USE IN NATIVE GRASS MIX AREAS ONLY):
OATS @ 45 LBS./ACRE
"REGREEN" STERILE WHEAT @ 45 LBS./ACRE
CANADA WILD RYE @ 20 LBS./ACRE
10-10-10 SLOW RELEASE FERTILIZER @ 150 LBS./ACRE

NATIVE GRASS MIX:
VALLEY FEED AND SEED - SHORT NATIVE GRASS MIX
DRILL @ 20 PLS LBS./ACRE

WILDFLOWER MIX:

VALLEY FEED AND SEED - KANSAS WILDFLOWER MIX
DRILL @ 5 PLS LBS./ACRE

VALLEY FEED AND SEED - VP SHOWY POLLINATOR MIX
DRILL @ 10 PLS LBS./ACRE

NOTE: ALL SEED MIXES ARE AVAILABLE THROUGH VALLEY FEED AND SEED, 1903 South Meridian, Wichita, KS 67213, 316-942-2278 OR APPROVED EQUAL.

SEEDING DATES:
1. PLANT SEED BETWEEN MARCH 25TH AND APRIL 10TH (PREFERRED) BETWEEN THE FIRST LATE YEAR HEAVY FROST AND MAY 1ST (ACCEPTABLE); OR AS APPROVED BY THE LANDSCAPE ARCHITECT THROUGH COORDINATION WITH THE CONTRACTOR. DO NOT SEED WHEN GROUND IS FROZEN.

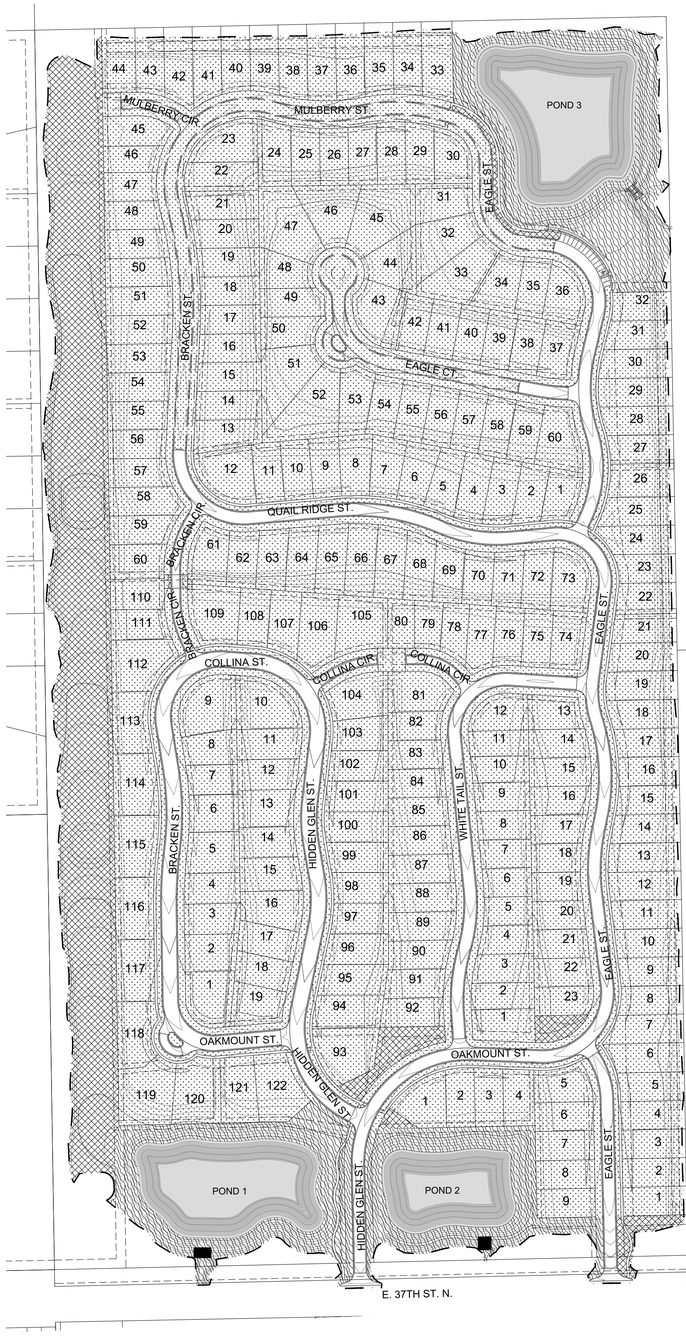
SEEDBED PREPARATION:
2. ONCE TOPSOIL HAS BEEN PLACED, DISC/SCARIFY SOIL PRIOR TO SEEDING EXCEPT IN CIRCUMSTANCES WHERE SEEDING INTO INTENTIONALLY PLANTED COVER CROP.

COVER CROP
3. IT IS INTENDED A COVER CROP BE PLANTED IN ALL DISTURBED AREAS (TO RECEIVE NATIVE GRASS AND WILDFLOWER MIXES) WHEN THE CALENDAR IS OUTSIDE OF THE NATIVE SEEDING DATES. THIS INCLUDES ALL NATIVE SEEDING AREAS (COST FOR COVER CROP WITHIN NATIVE SEEDING AREAS SHALL BE SUBSIDIARY TO NATIVE SEED ITEMS). REFER TO EROSION CONTROL & SEEDING PLAN NOTES.

SEEDING METHOD:
4. SEED PLACEMENT IS IMPORTANT AND SHOULD BE PLANTED NO MORE THAN ¼" DEEP IN CLAY SOILS, 1/2" IN SANDY SOILS. TO ENSURE ACCURATE PLACEMENT OF SEED IT IS PREFERRED THAT SEED IS PLACED WITH A 'SEED DRILL' OR 'NO-TILL DRILL'. WHEN THIS METHOD IS NOT PRACTICAL THE SEED BED CAN BE PREPARED WITH A CULTIPACKER THEN BROADCAST SEED AND ROLL AGAIN.
NOTE: A CULTIPACKER IS A SEGMENTED ROLLER THAT PREPARES THE SEEDBED THEN SLIGHTLY COMPACT THE SOIL AFTER SEEDING.

FERTILIZING:
5. GENERALLY FERTILIZING IS NOT REQUIRED OR RECOMMENDED FOR NATIVE GRASS OR WILDFLOWER ESTABLISHMENT AS IT WOULD PROMOTE WEED GROWTH. IN THIS INSTANCE HOWEVER, ALL WEEDS SHOULD BE KILLED PRIOR TO PLANTING. THE ONE TIME APPLICATION OF A GRANULAR FERTILIZER IS RECOMMENDED DURING ESTABLISHMENT.

SATISFACTORY NATIVE STAND:
6. WITHIN ONE FULL GROWING SEASON AND AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, VIABLE NATIVE STAND SHALL BE ESTABLISHED, FREE OF BARE AREAS GREATER THAN TWO SQUARE FEET IN SIZE AND FREE OF BROADER AREAS FAILING TO ACHIEVE 85% DESIRABLE PLANT COVERAGE.
7. REESTABLISH NATIVE STANDS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL NATIVE STANDS ARE SATISFACTORY.



LEGEND

- LIMITS OF GRADING
- POND NORMAL POOL
- PERENNIAL RYEGRASS (APPROX. 52.4 AC.)
- SHORT NATIVE GRASS MIX (APPROX. 6.7 AC.)
- SHORT NATIVE GRASS MIX WITH WILDFLOWERS (APPROX. 4.8 AC.)

NOTES

ALL QUANTITIES ARE FOR REFERENCE ONLY AND ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL QUANTITIES.

ANY AREA DISTURBED BEYOND DEPICTED SEEDING LIMITS SHALL BE SEEDED W/ SHORT NATIVE GRASS MIX.

ALL RESERVE AREAS TO BE PERMANENTLY SEEDED. REFER TO PLAN TO DETERMINE WHETHER SHORT OR TALL NATIVE SEEDING.

N

SCALE: 1" = 150'
0 150 300

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SCOTT PRESTON EVANS LICENSED 24423 KANSAS PROFESSIONAL ENGINEER
10/22/26

STORM WATER DRAINAGE

RIVINGTON ADDITION

WICHITA, KS

SEEDING PLAN

PROJECT NO. 458-2026-085655
SCALE 1" = 150'
DRAWN WJW | DESIGNED DFL | CHECKED SPE

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	10/23/2026

SHEET NO.
C-705-G01
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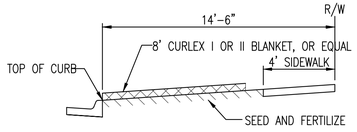
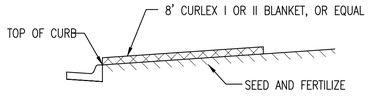
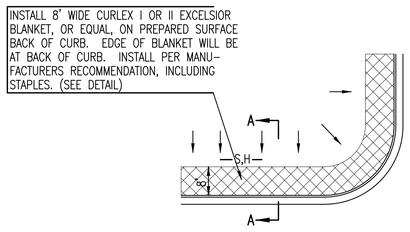


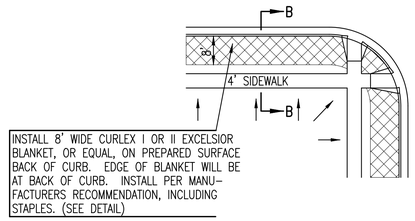
SECTION B-B



SECTION A-A



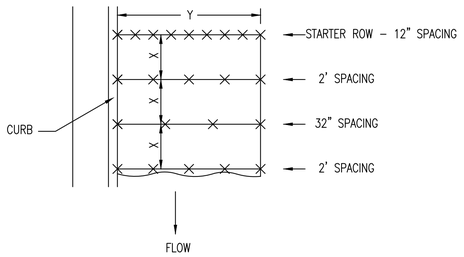
SOUTH STREET



GENERAL NOTES

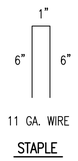
1. EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
2. EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
3. AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE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

BACK OF CURB PROTECTION DETAIL



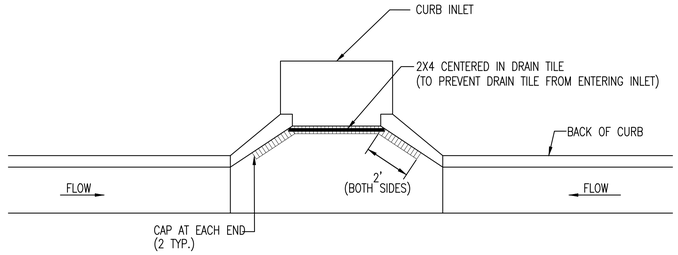
STAPLE PATTERN

NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)



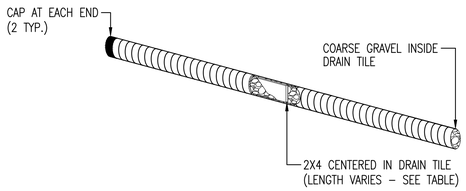
STAPLE

DETAILS FOR APPROVED EROSION CONTROL MAT



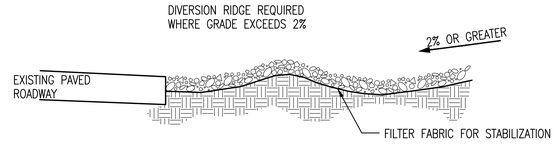
NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

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

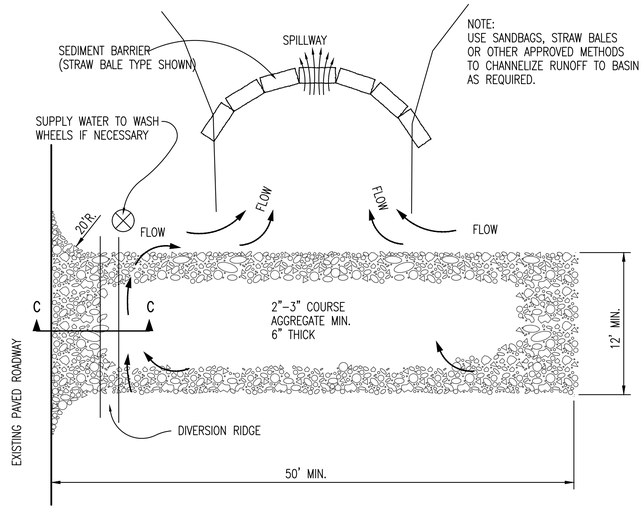


CURB INLET PROTECTION

4" PERFORATED PIPE W/ GRAVEL



SECTION C-C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

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

REVISION DATE: MAY 2013

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

CITY ENGINEER
GARY JANZEN, P.E.

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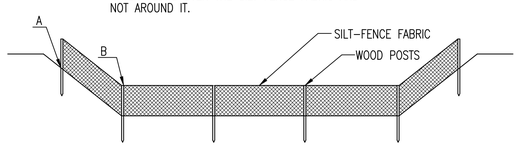
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET
26 OF 33

SW-501

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE SILT FENCE FABRIC AND NOT AROUND IT.



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 GRADE (%)	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.

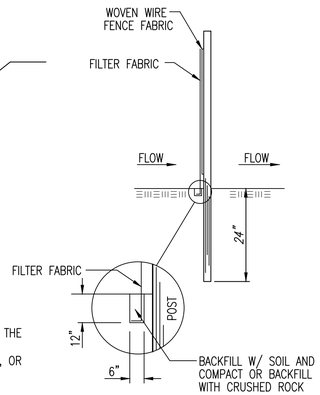
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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.

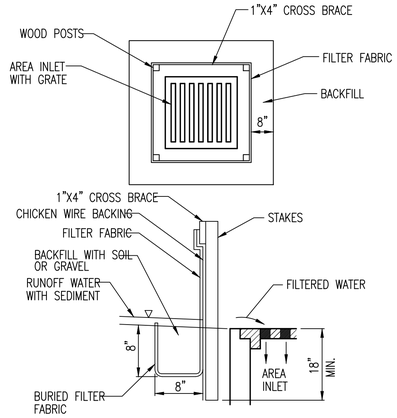
INSPECTION AND MAINTENANCE:

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.

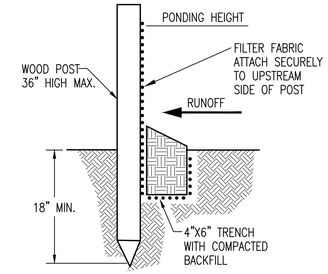
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

SILT FENCE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
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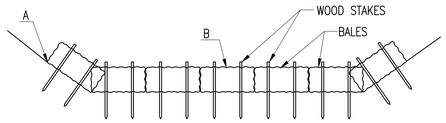
CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202–1620
(316) 268–4501

SHEET
27 OF 33

SW–502

NOTE: POINT A MUST BE HIGHER THAN POINT B
SO THAT WATER FLOWS OVER THE BALES AND
NOT AROUND THEM.



STRAW BALE DITCH CHECKS

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 GRADE (%)	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".

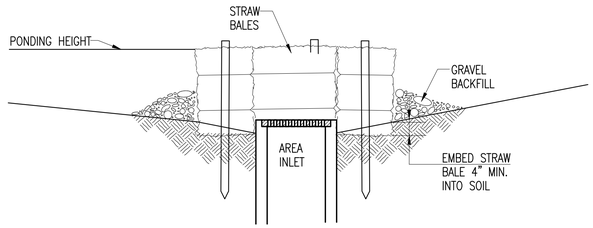
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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.

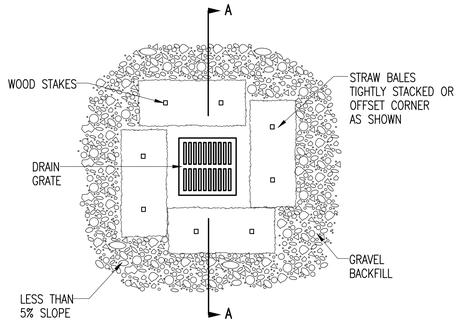
INSPECTION AND MAINTENANCE:

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) DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SECTION A-A



STRAW BALE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

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.

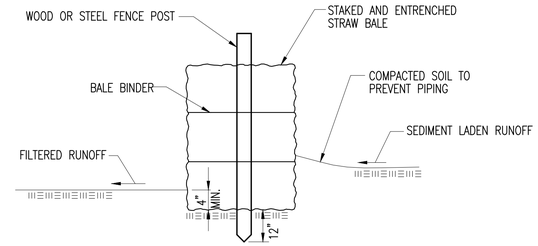
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

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

SHEET
28 OF 33

SW-503

GENERAL NOTES

1. 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.

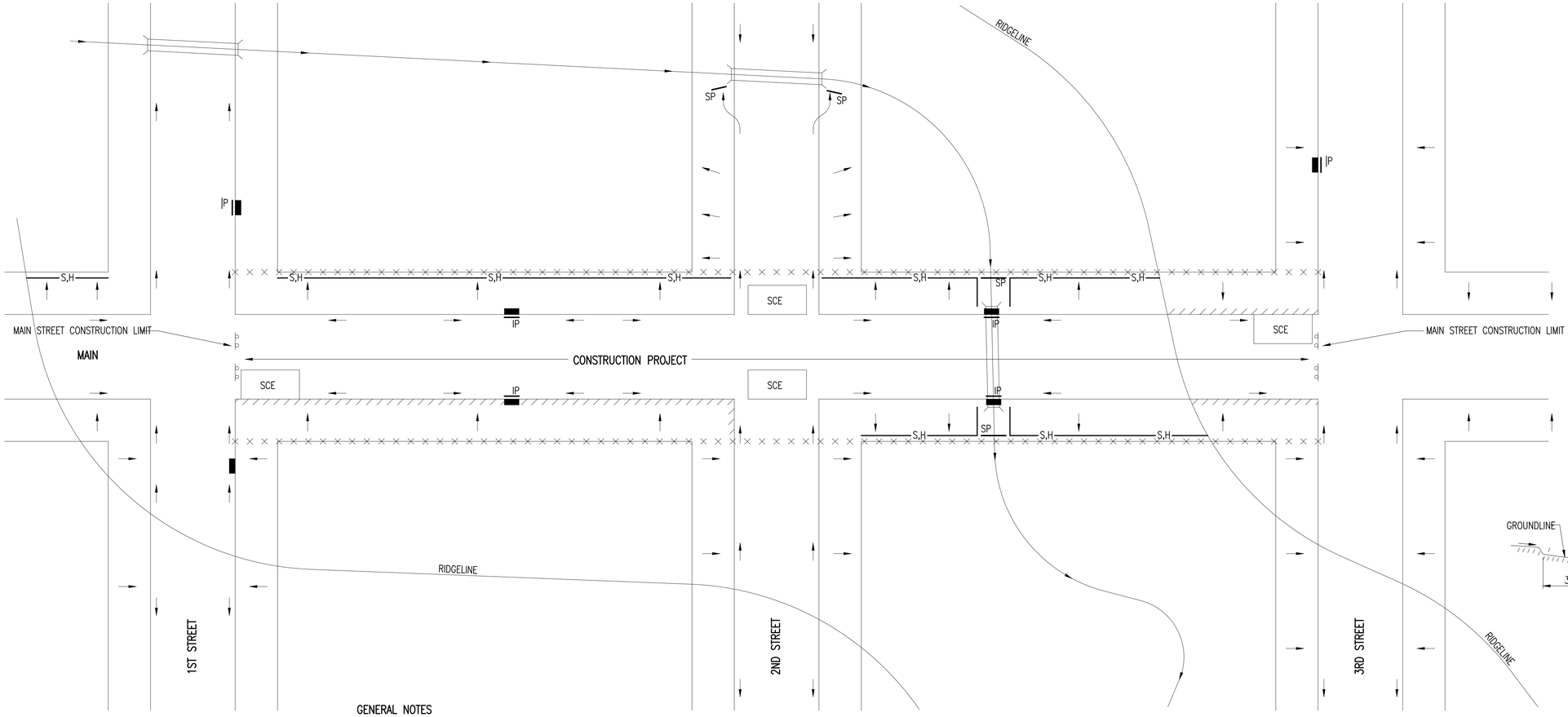
2. EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL THE DISTURBED EARTH IS RESTABILIZED.

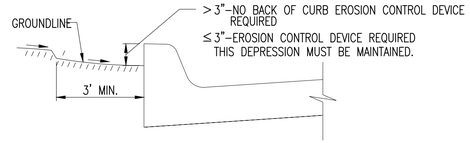
3. IF THE PROJECT WILL DISTURB 1 ACRE OR MORE, A FEDERAL/STATE NPDES STORMWATER PERMIT IS REQUIRED. A DETAILED STORMWATER POLLUTION PREVENTION PLAN, IS REQUIRED. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED TO BE THE MINIMUM TO BE SHOWN IN THE POLLUTION PREVENTION PLAN.

4. 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.

5. 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.

6. 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.





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.

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

1. 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.

2. THE POINT OF COMPLIANCE IS GENERALLY THE RIGHT–OF–WAY LINES WITHIN THE LIMITS OF CONSTRUCTION.

3. EROSION CONTROL DEVICES WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.

4. INLET PROTECTION DEVICES WILL BE REQUIRED WHEREVER WATER CAN DRAIN OFF THE PROJECT SITE INTO AN INLET, INCLUDING ANY SIDE STREET INLETS.

5. EROSION CONTROL DEVICES SHALL BE INSTALLED AT CREEK CROSSINGS SO AS TO PREVENT SEDIMENT FROM ENTERING THEREIN.

6. 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.

7. ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.

8. THE CONTACTOR 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:
   A. 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)
   B. 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.
   C. ADDITIONALLY, OTHER EROSION CONTROL DEVICES (HAY BALES, SILT FENCE, ETC.) WILL BE INSTALLED AT LOCATIONS OF CONCENTRATED FLOW RESULTING IN SEDIMENT OVERRUNNING THE MAT.
   D. 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)

REVISION: JUNE 2015

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STREET IMPROVEMENT PROJECTS

CITY ENGINEER
GARY JANZEN, P.E.

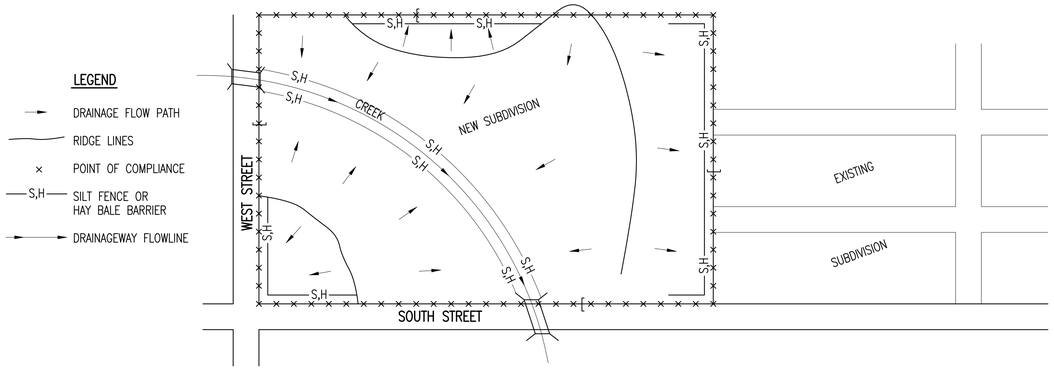
PROJECT NUMBER	OCA NUMBER	DATE
————	####	#####

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

SHEET
29 OF 33

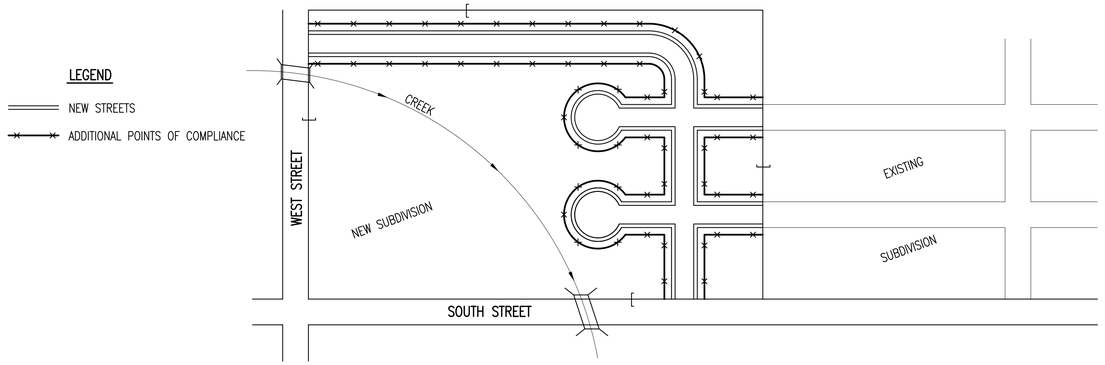
SW–504

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



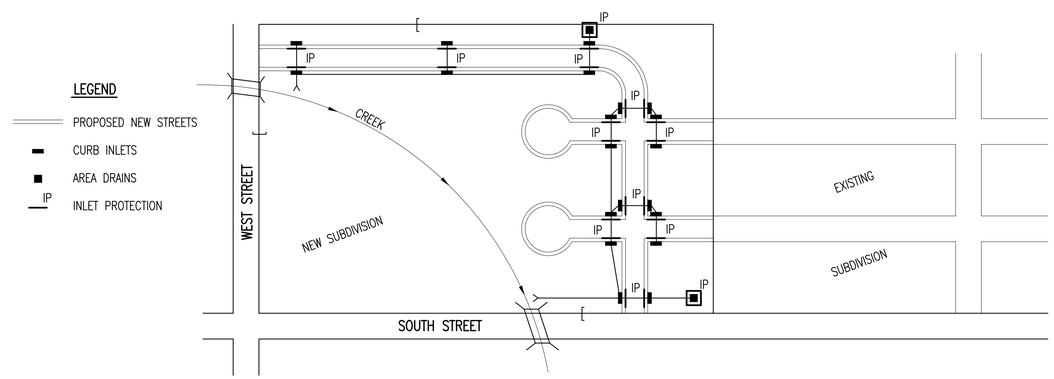
1. DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
2. 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



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

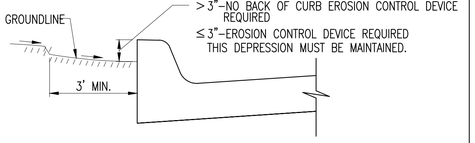


1. DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
2. AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
3. AREA DRAINS – AS SOON 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

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

SUBDIVISION DEVELOPMENT PROCESS

CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
458–2026–08565	#####	####

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

SHEET 30 OF 33

SW–505

FINAL PLAT
RIVINGTON ADDITION
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

Rivington Addition (SUB2026-00022)

CONTINUED ON SHEET 2

part of **Reserve C**

Reserve G
COURTYARDS AT GREENWICH HEIGHTS

140' Right-of-Way Easement to Kansas Gas and Electric Co. Recorded Bk. 2, Pg. 1267 Dated: 12/31/1912

20' Drainage & Sanitary Sewer Easement

BRACKEN ST.

HIDDEN GLEN ST.

WHITE TAIL ST.

EAGLE ST.

OAKMOUNT ST.

HIDDEN GLEN ST.

OAKMOUNT ST.

EAGLE ST.

CONTINUED ON SHEET 2

UNPLATTED

Reserve C
508,795 s.f.
11.68 ac.

Reserve B
108,012 s.f.
2.48 ac.

Reserve A
11,285 s.f.
0.26 ac.

20' Sanitary Sewer Easement

20' Drainage & Utility Easement

10' Utility Easement

20' Drainage & Utility Easement

20' Sanitary Sewer Easement

20' Drainage & Utility Easement

10' Utility Easement

20' Drainage & Utility Easement

20' Sanitary Sewer Easement

20' Drainage & Utility Easement

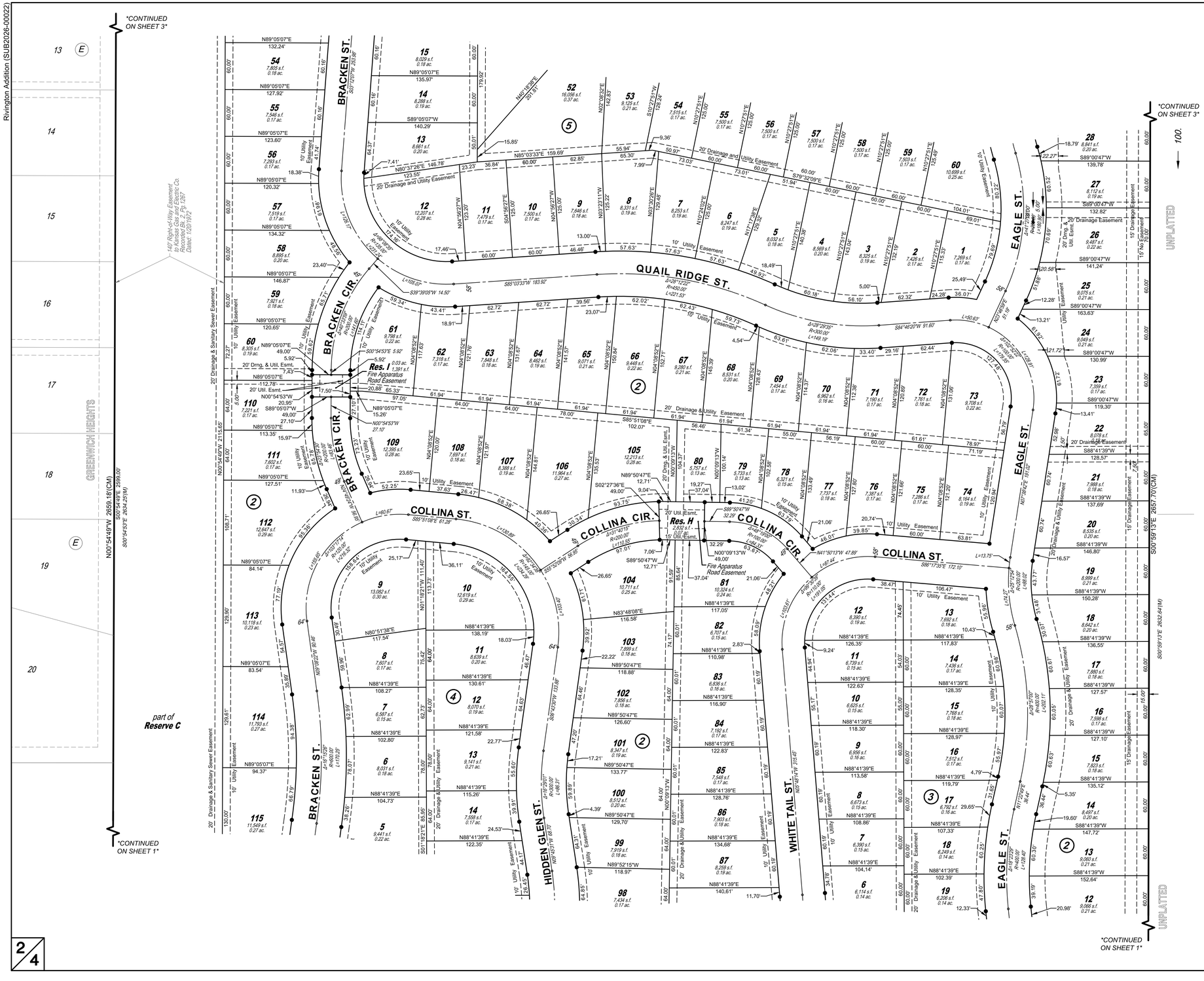
10' Utility Easement

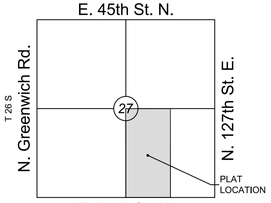
20' Drainage & Utility Easement

20' Drainage & Utility Easement

20' Drainage &

FINAL PLAT
RIVINGTON ADDITION
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS





VICINITY MAP

LEGEND

Date of Survey: February 2026

- △ = Section Corner Monument Found or Set
- ○ = Found Monument (see annotation for type)
- ● = Set ⅝" rebar w/ MKEC CLS 39 id. cap
- ⊕ = Benchmark
- (M) = Measured
- (CM) = Calculated from Measurement
- *1* = Lot
- (1) = Block

MINIMUM PAD ELEVATIONS LOWEST OPENINGS		
LOT(S) *inclusive*	BLOCK	ELEVATION *NAVD 88*
1-9	1	1376.9
32-33	2	1388.0
119-122	2	1376.0
Reserve D		1388.0

ERNEST PATRICK FINK LICENSED PS-1459 KANSAS PROFESSIONAL SURVEYOR

MKEC
Wichita, KS • 316.684.9600

\\ETTAS1\Shared\Projects\2026\260161\027_Arrival_Rivington\260161SUB1.CalcSheet\260161_CS_JEP.dwg 08/05/2026, 11:36:15 AM CST

Rivington Addition (SUB2026-00022)

FINAL PLAT
RIVINGTON ADDITION
AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

Rivington Addition (SUB2026-00022)

NW. cor., SE ¼, Sec. 27, T26S, R2E, 6th P.M. Fnd. ½" rebar w/ yellow illegible id. cap

NE. cor., SE ¼, Sec. 27, T26S, R2E, 6th P.M. Fnd. ¾" Pipe 12" below road surface

Fnd. ½" rebar w/ LS 1037 id. cap

N88°45'45"E 1323.76'(M)

S01°13'40"E 2656.11'(M)

N88°45'27"E 1324.02'(M)

UNPLATTED

UNPLATTED

BM#14

MULBERRY CIR.

MULBERRY ST.

EAGLE ST.

EAGLE CT.

BRACKEN ST.

Reserve D
196,398 s.f.
4.51 ac.

Res. J
644 s.f.
0.01 ac.

part of Reserve C

140' Right-of-Way Easement to Kansas Gas and Electric Co. Recorded: Book 2, Pg. 200 Dated: 1/20/1912

25' Water & Sanitary Sewer Easement
25' Drainage Easement
10' Utility Easement
30' No Easement
20' Drainage and Utility Easement
20' Drainage Easement
15' Utility and Parking Easement
15' No Easement

LOT	BLOCK	AREA	ACRES
1	14	8,288 s.f.	0.19 ac.
2	14	8,661 s.f.	0.20 ac.
3	14	7,723 s.f.	0.18 ac.
4	14	7,637 s.f.	0.18 ac.
5	14	7,987 s.f.	0.18 ac.
6	14	7,694 s.f.	0.18 ac.
7	14	14,078 s.f.	0.32 ac.
8	14	7,770 s.f.	0.18 ac.
9	14	8,029 s.f.	0.18 ac.
10	14	7,537 s.f.	0.17 ac.
11	14	7,723 s.f.	0.18 ac.
12	14	7,500 s.f.	0.17 ac.
13	14	8,918 s.f.	0.20 ac.
14	14	6,880 s.f.	0.15 ac.
15	14	7,845 s.f.	0.18 ac.
16	14	8,283 s.f.	0.19 ac.
17	14	8,437 s.f.	0.19 ac.
18	14	8,318 s.f.	0.19 ac.
19	14	8,064 s.f.	0.19 ac.
20	14	7,805 s.f.	0.18 ac.
21	14	7,546 s.f.	0.17 ac.
22	14	7,286 s.f.	0.17 ac.
23	14	7,027 s.f.	0.16 ac.
24	14	6,880 s.f.	0.15 ac.
25	14	7,345 s.f.	0.17 ac.
26	14	7,162 s.f.	0.16 ac.
27	14	7,470 s.f.	0.17 ac.
28	14	7,826 s.f.	0.18 ac.
29	14	7,573 s.f.	0.17 ac.
30	14	8,048 s.f.	0.18 ac.
31	14	8,826 s.f.	0.20 ac.
32	14	12,939 s.f.	0.30 ac.
33	14	10,535 s.f.	0.24 ac.
34	14	9,142 s.f.	0.21 ac.
35	14	9,123 s.f.	0.21 ac.
36	14	9,534 s.f.	0.22 ac.
37	14	9,651 s.f.	0.22 ac.
38	14	9,250 s.f.	0.21 ac.
39	14	8,452 s.f.	0.19 ac.
40	14	8,308 s.f.	0.19 ac.
41	14	9,346 s.f.	0.21 ac.
42	14	9,798 s.f.	0.22 ac.
43	14	8,331 s.f.	0.19 ac.
44	14	9,503 s.f.	0.22 ac.
45	2	8,370 s.f.	0.19 ac.
46	2	6,521 s.f.	0.15 ac.
47	2	6,660 s.f.	0.15 ac.
48	2	7,156 s.f.	0.16 ac.
49	2	7,845 s.f.	0.18 ac.
50	2	8,283 s.f.	0.19 ac.
51	2	8,437 s.f.	0.19 ac.
52	2	8,318 s.f.	0.19 ac.
53	2	8,064 s.f.	0.19 ac.
54	2	7,805 s.f.	0.18 ac.
55	2	7,546 s.f.	0.17 ac.
56	2	7,283 s.f.	0.17 ac.
57	2	7,024 s.f.	0.16 ac.
58	2	6,765 s.f.	0.16 ac.
59	2	6,503 s.f.	0.15 ac.
60	2	10,699 s.f.	0.25 ac.
1	5	16,169 s.f.	0.37 ac.
2	5	12,157 s.f.	0.28 ac.
3	5	11,793 s.f.	0.27 ac.
4	5	10,680 s.f.	0.25 ac.
5	5	12,412 s.f.	0.29 ac.
6	5	15,652 s.f.	0.36 ac.
7	5	16,096 s.f.	0.37 ac.
8	5	9,125 s.f.	0.21 ac.
9	5	7,515 s.f.	0.17 ac.
10	5	7,500 s.f.	0.17 ac.
11	5	7,500 s.f.	0.17 ac.
12	5	7,500 s.f.	0.17 ac.
13	5	7,500 s.f.	0.17 ac.
14	5	7,500 s.f.	0.17 ac.
15	5	7,500 s.f.	0.17 ac.
16	5	7,500 s.f.	0.17 ac.
17	5	7,207 s.f.	0.17 ac.
18	5	7,200 s.f.	0.17 ac.
19	5	7,200 s.f.	0.17 ac.
20	5	7,200 s.f.	0.17 ac.
21	5	7,200 s.f.	0.17 ac.
22	5	7,200 s.f.	0.17 ac.
23	5	7,200 s.f.	0.17 ac.
24	5	7,200 s.f.	0.17 ac.
25	5	7,200 s.f.	0.17 ac.
26	5	7,200 s.f.	0.17 ac.
27	5	7,200 s.f.	0.17 ac.
28	5	7,200 s.f.	0.17 ac.
29	5	7,200 s.f.	0.17 ac.
30	5	9,001 s.f.	0.21 ac.
31	5	8,140 s.f.	0.19 ac.
32	5	7,410 s.f.	0.17 ac.
1	1	8,455 s.f.	0.19 ac.
2	1	8,455 s.f.	0.19 ac.
3	1	8,455 s.f.	0.19 ac.
4	1	8,455 s.f.	0.19 ac.
5	1	8,455 s.f.	0.19 ac.
6	1	8,455 s.f.	0.19 ac.
7	1	8,455 s.f.	0.19 ac.
8	1	8,455 s.f.	0.19 ac.
9	1	8,455 s.f.	0.19 ac.
10	1	8,455 s.f.	0.19 ac.
11	1	8,455 s.f.	0.19 ac.
12	1	8,455 s.f.	0.19 ac.
13	1	8,455 s.f.	0.19 ac.
14	1	8,455 s.f.	0.19 ac.
15	1	8,455 s.f.	0.19 ac.
16	1	8,455 s.f.	0.19 ac.
17	1	8,455 s.f.	0.19 ac.
18	1	8,455 s.f.	0.19 ac.
19	1	8,455 s.f.	0.19 ac.
20	1	8,455 s.f.	0.19 ac.
21	1	8,455 s.f.	0.19 ac.
22	1	8,455 s.f.	0.19 ac.
23	1	8,455 s.f.	0.19 ac.
24	1	8,455 s.f.	0.19 ac.
25	1	8,455 s.f.	0.19 ac.
26	1	8,455 s.f.	0.19 ac.
27	1	8,455 s.f.	0.19 ac.
28	1	8,455 s.f.	0.19 ac.
29	1	8,455 s.f.	0.19 ac.
30	1	8,455 s.f.	0.19 ac.
31	1	8,455 s.f.	0.19 ac.
32	1	8,455 s.f.	0.19 ac.
33	1	8,455 s.f.	0.19 ac.
34	1	8,455 s.f.	0.19 ac.
35	1	8,455 s.f.	0.19 ac.
36	1	8,455 s.f.	0.19 ac.

CONTINUED ON SHEET 2

CONTINUED ON SHEET 2

R 2 E
E. 45th St. N.
T 26 S
N. Greenwich Rd.
27
N. 127th St. E.
PLAT LOCATION
E. 37th St. N.

VICINITY MAP

N

SCALE: 1"=60'
0 60 120

LEGEND

Date of Survey: February 2026

- △ = Section Corner Monument Found or Set
- ◎ = Found Monument (see annotation for type)
- ● = Set ⅝" rebar w/ MKEC CLS 39 id. cap
- ⊕ = Benchmark
- (M) = Measured
- (CM) = Calculated from Measurement
- 1 = Lot
- (1) = Block

BENCHMARK

BM#14 ⊕ ⅝" Rebar with MKEC Aluminum id cap approx. 18.6 feet west and 39.4 feet south of the NW. corner of SE ¼, Sec. 27, T26S, R2E (offsite). Elev.=1393.105 NAVD88

MINIMUM PAD ELEVATIONS LOWEST OPENINGS		
LOT(S) *inclusive*	BLOCK	ELEVATION *NAVD 88*
1-9	1	1376.9
32-33	2	1388.0
119-122	2	1376.0
Reserve D		1388.0

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