GENERAL NOTES

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS & SPECIAL
- THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO

KANSAS ONE-CALL OR (LOCAL WICHITA)

1-800-344-7233 687-2470

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

1-800-246-8464 BLACK HILLS ENERGY (GAS) 1-800-694-8989 CITY OF WICHITA WATER & SEWER CITY OF WICHITA STORMWATER 1-316-219-8921 1-316-268-4090 CITY OF WICHITA STORMW CITY OF WICHITA TRAFFIC COX COMMUNICATIONS KANSAS GAS SERVICE EVERGY

- 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.
- 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.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS 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.
- 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.
- CONTRACTOR SHALL COORDINATE WITH ANY CONTRACTORS CONSTRUCTING OTHER PORTIONS OF
- EXCESS EXCAVATION SHALL BE STOCKPILED ON-SITE IN A LOCATION APPROVED BY THE OWNER.
- COMPACTION DENSITY TESTING, WITHIN PUBLIC RIGHT-OF-WAY, WILL BE PROVIDED BY THE CITY OF
- COMPACTION TESTING SHALL BE PROVIDED BY THE CONTRACTOR, <u>OUTSIDE OF THE PUBLIC RIGHT-OF-WAY.</u> 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. ONE NUCLEAR DENSITY TEST SHALL BE PROVIDED FOR EVERY LOT PER EACH FOOT OF FILL MATERIAL PLACED.
- 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. REFER TO DETAIL 1 & 4 ON SHEET 02 FOR TYPICAL ALLEY & ROADWAY
- 10. 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.
- 11. DEVELOPER FOR THIS PROJECT IS: PERFECTION SIGNATURE PROPERTIES. LLC WICHITA, KS 67212 316.729.1900

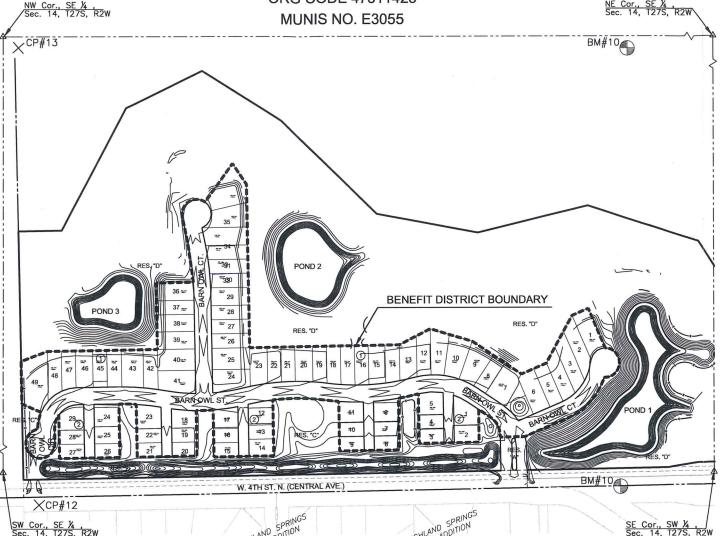
STORMWATER DRAIN #507 IMPROVEMENTS TO SERVE

COURTYARDS AT JACOBS FARM

PROJECT NO. 458-2023-085532

AN ADDITION TO THE CITY OF WICHITA SEDGWICK COUNTY KANSAS PAUL GUNZELMAN, P.E. - INTERIM CITY ENGINEER

ORG CODE 47311423



WATER RESOURCES RECEIVED APR 02 2024

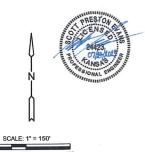
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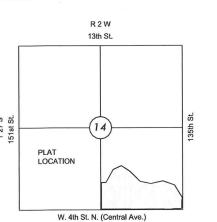
EARTHWORK SUMMARY

*COMPACTED FILL (95%)
*COMPACTED FILL
(90% STOCKPILE)

* 15% SHRINK/SWELL FACTOR ADDED EXCESS MATERIAL TO BE PLACED & COMPACTED ON SITE. SEE SHEET 02 FOR STOCKPILE LOCATION.

nent (Circle One) NOI Permit # KS NO.:S-AR94-1834; FED NO.: KSR121392 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) = 56.4 ACRES Disturbed Area (Acres) = 27.5 ACRES Water Quality Treatment: OFF-SITE BMP PROGRAM Downstream Channel Protection: N/A - 10% RULES Detention: N/A - 10% RULE - REFER TO DRAINAGE REPORT The BMP used for this development is OFF-SITE BMP PROGRAM





VICINITY MAP

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
01	TITLE SHEET
02	DEMO PLAN
03	GRADING DETAILS
04	OVERALL GRADING PLAN
05-14	GRADING PLAN
16	EROSION CONTROL PLAN
17	SEEDING PLAN
18	SEEDING NOTES
19-23	BMP SHEETS
24-26	FINAL PLAT

CONTROL POINTS

DATUM: THE HORIZONTAL DATUM IS BASED ON THE KANSAS COORDINATE SYSTEM OF 1983, NADB3(2011), EPOCH:2010.0000, SOUTH ZONE. COORDINATES SHOWN HAVE BEEN MODIFIED TO THE GROUND USING A COMBINED ADJUSTMENT FACTOR OF 00144. STATE PLANE COORDINATES CAN BE CALCULATED BY MULTIPLYING THE SHOWN VALUES BY 0.99988

ALL ELEVATIONS SHOWN ARE BASED ON THE NAVD 88

CP#1
N: 1687833.941 E: 1597017.365 EL: 1388.832
5/8" x 24" REBAR w/ ALUM. MKEC CONTROL CAP NE OF THE SW CORNER OF SECTION 14. BASE POINT.

CHR12 N: 1687798.979 E: 1599657.272 EL: 1364.621 5/8* x 24* REBAR w/ ALUM. MKEC CONTROL CAP SE OF THE S1/4 CORNER OF SECTION 14.

CP#13
N: 1690394.971 E: 1599584.309 EL: 1365.514
576" x 24" REBAR w/ ALUM. MKEC CONTROL CAP SE OF THE CENTER CORNER OF SECTION 14.

N: 1690648.796 E: 1602120.242 EL: 1351.535
MAGW IN TOP OF CURB NEAR THE NW CORNER OF SOUTH INLET ON LOST CREAK AND 135TH.

N: 1687910,359 E: 1602163.413 EL: 1349.135 MAGW IN TOP CONCRETE TRAFFIC SIGNAL MH AT THE NW QUADRANT OF 135TH AND CENTRAL.

ALL CUNI ROL. POINTS SHOWN HAVE ELEVATIONS ESTBUISHED BY DIFFERENTIAL LEVELING 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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#507

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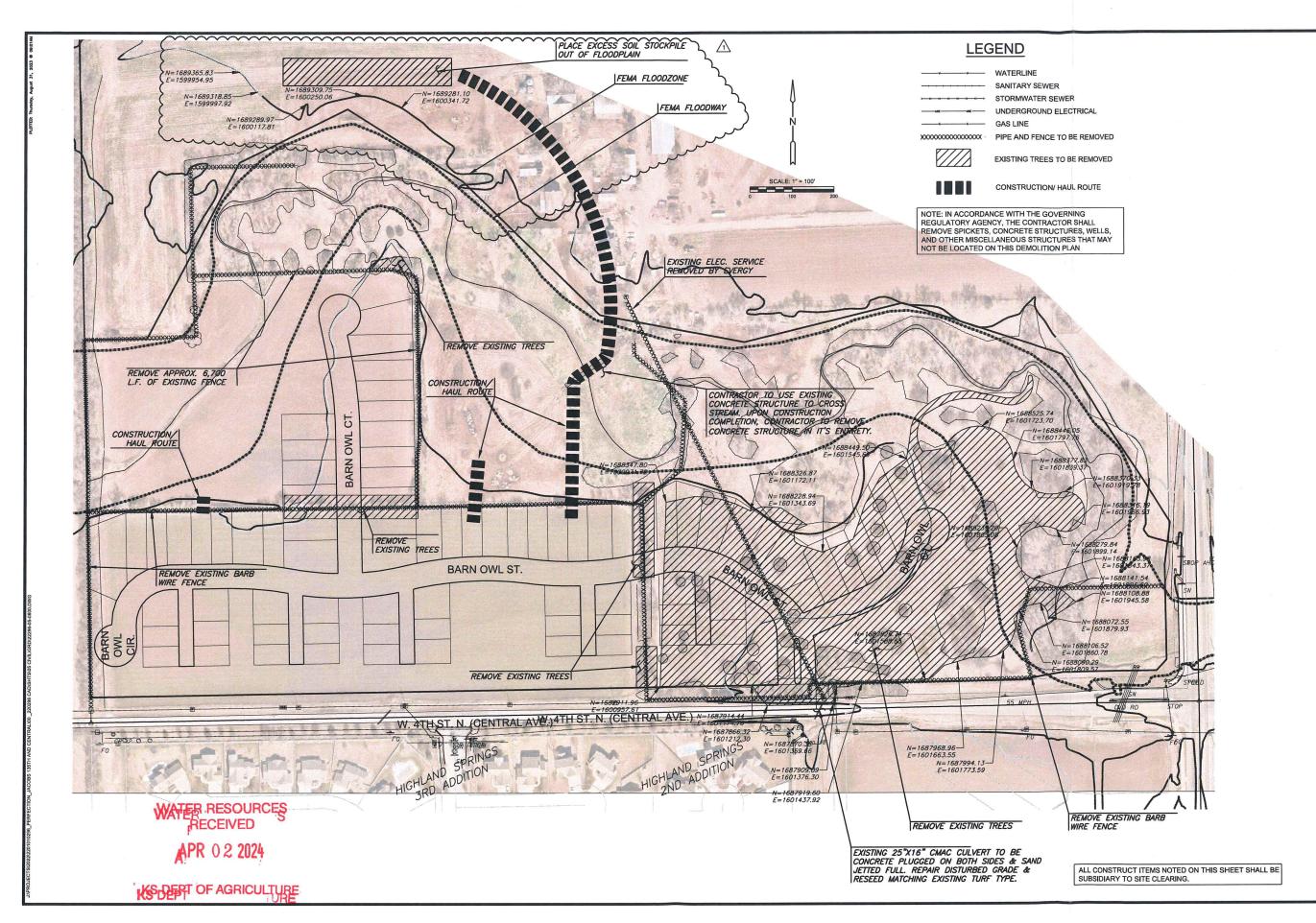
STORMWATER

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TITLE SHEET

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SHEET NO. 01 OF 26





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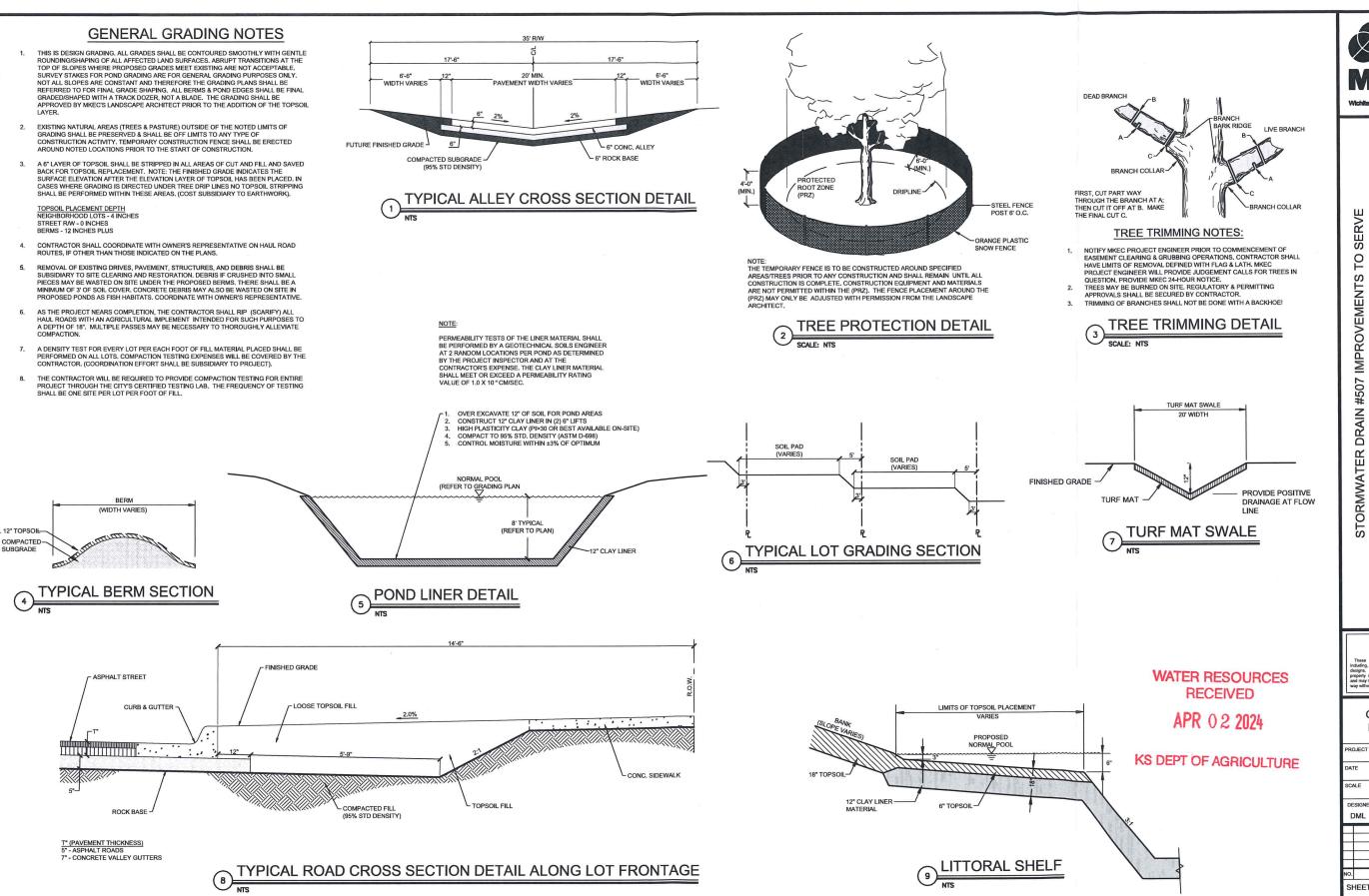
IMPROVEMENTS

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DEMO PLAN

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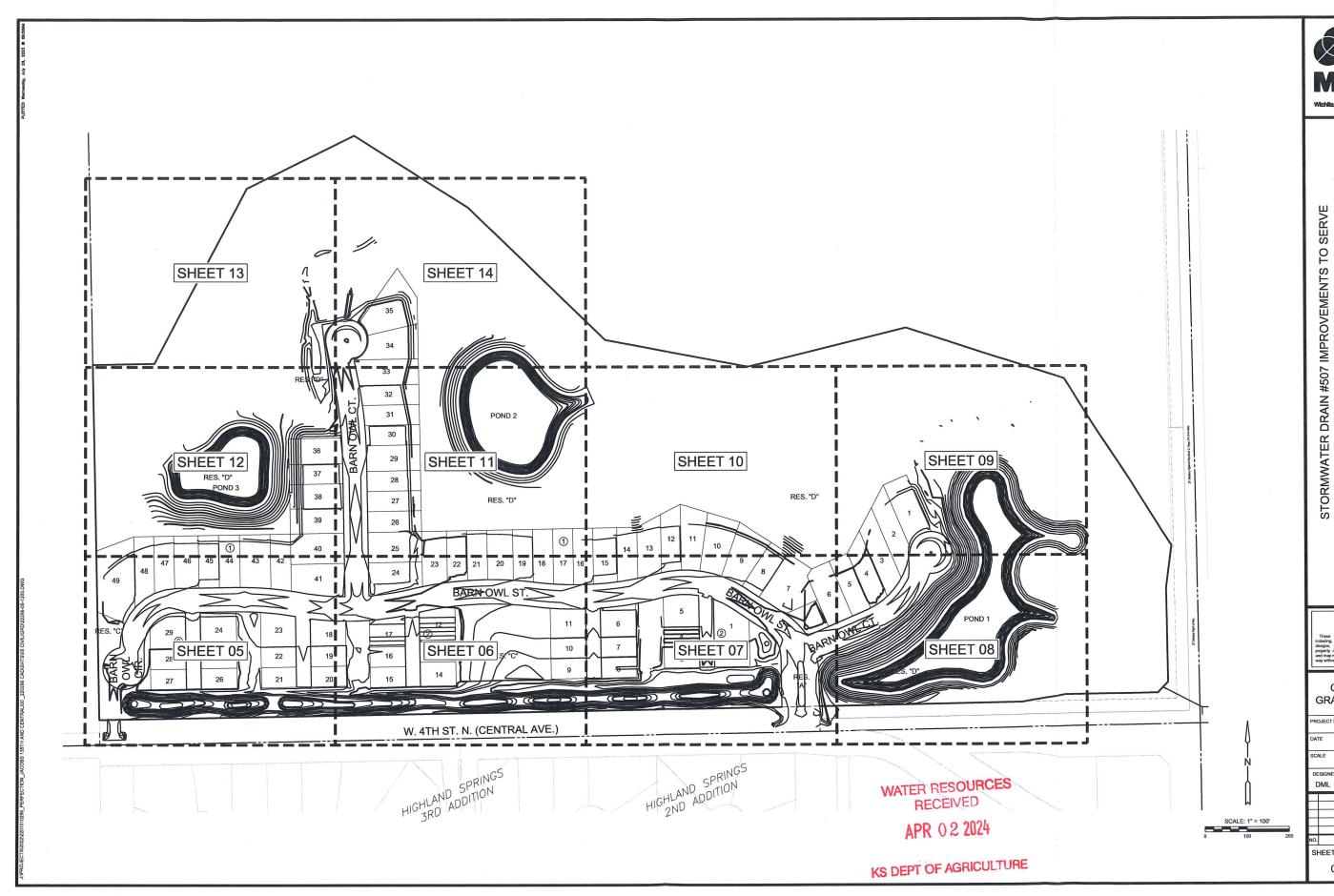
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4 RD 4 COURTY

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DETAILS 458-2023-08553 JULY 2023 NTS DML DML SPE REVISION SHEET NO. 03 OF 26





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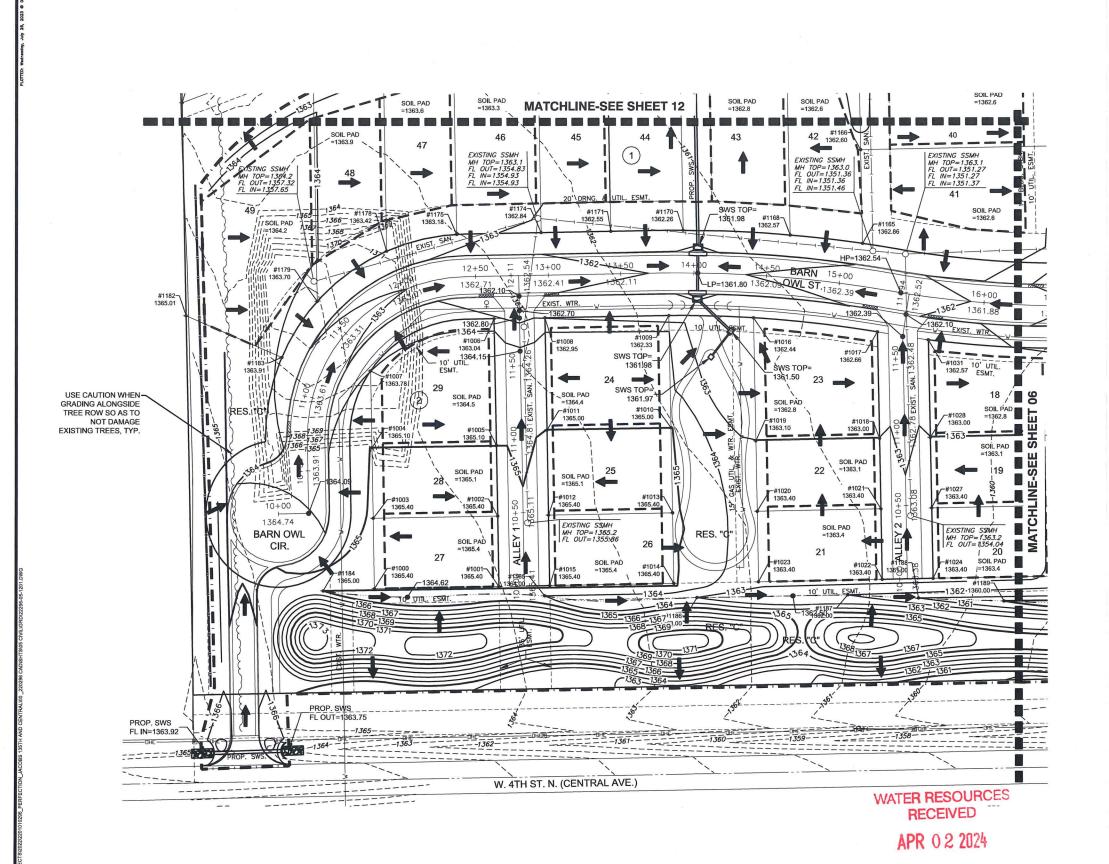
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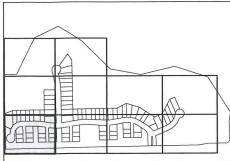
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OVERALL GRADING PLAN				
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CALE	1"	= 100'		
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KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE.
REFER TO ROAD CROSS SECTION DETAIL IN

LEGEND

-- 1250 -- EXISTING MINOR CONTOUR —1250— PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING WATERLINE EXISTING STORMWATER SEWER EXISTING UNDERGROUND TELEPHONE EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL ——FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER LIMITS OF GRADING

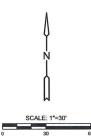


1329.86 SPOT ELEVATIONS FLOW ARROW



KS DEPT OF AGRICULTURE

---- SWALE FLOWLINE TREE PROTECTION FENCE





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IMPROVEMENTS

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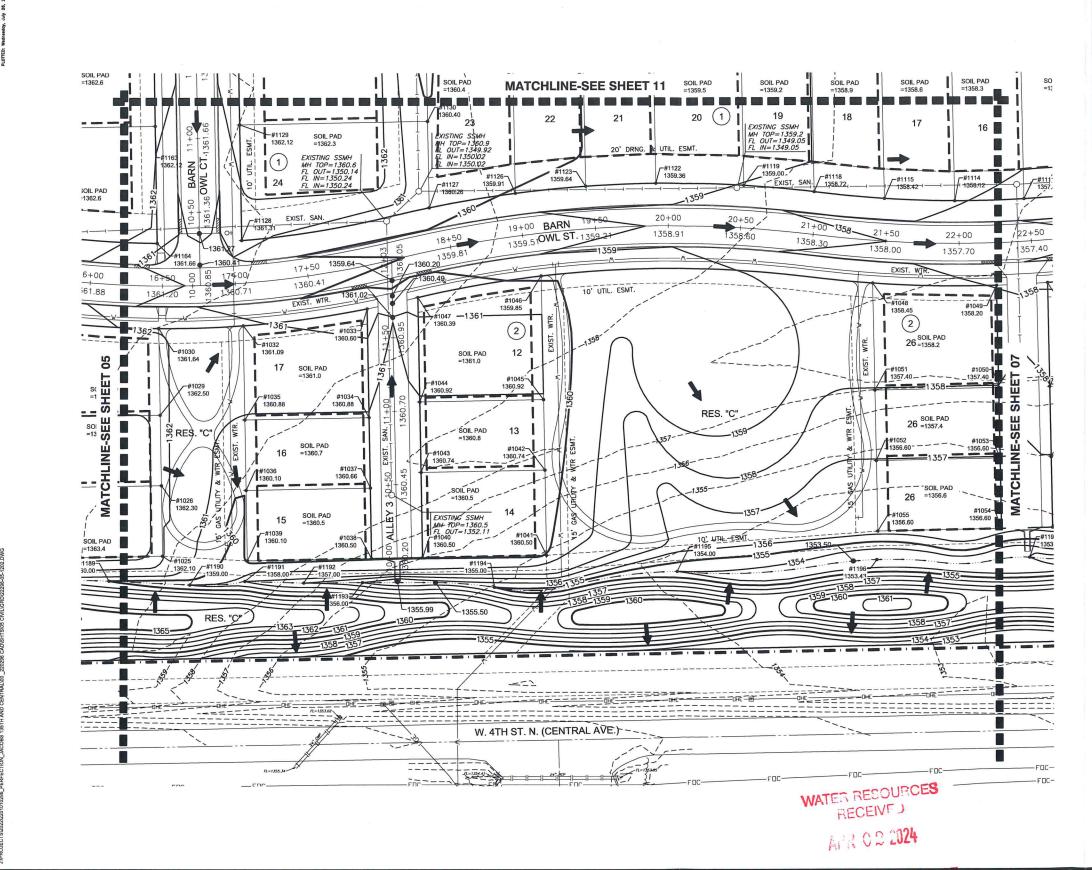
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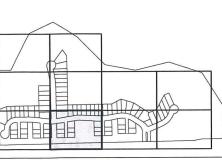
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GRADING PLAN

DATE JULY 2023 SCALE 1" = 30' DESIGNED DRAWN CHECKED DML SPE	SCALE 1" = 30' DESIGNED DRAWN CHECKED	PROJECT NO.	458-20	23-08	5532
1" = 30' DESIGNED DRAWN CHECKED	1" = 30' DESIGNED DRAWN CHECKED	DATE	JUL	Y 20	23
		SCALE	1"	= 30	

NO. REVISION DATE SHEET NO.





KEY MAP

VERTICAL DATUM USED IS NAVD88.

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

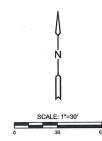
LEGEND

-- 1250 -- EXISTING MAJOR CONTOUR PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR EXISTING WATERLINE EXISTING SANITARY SEWER EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL PROPOSED STORMWATER SEWER LIMITS OF GRADING





TREE PROTECTION FENCE





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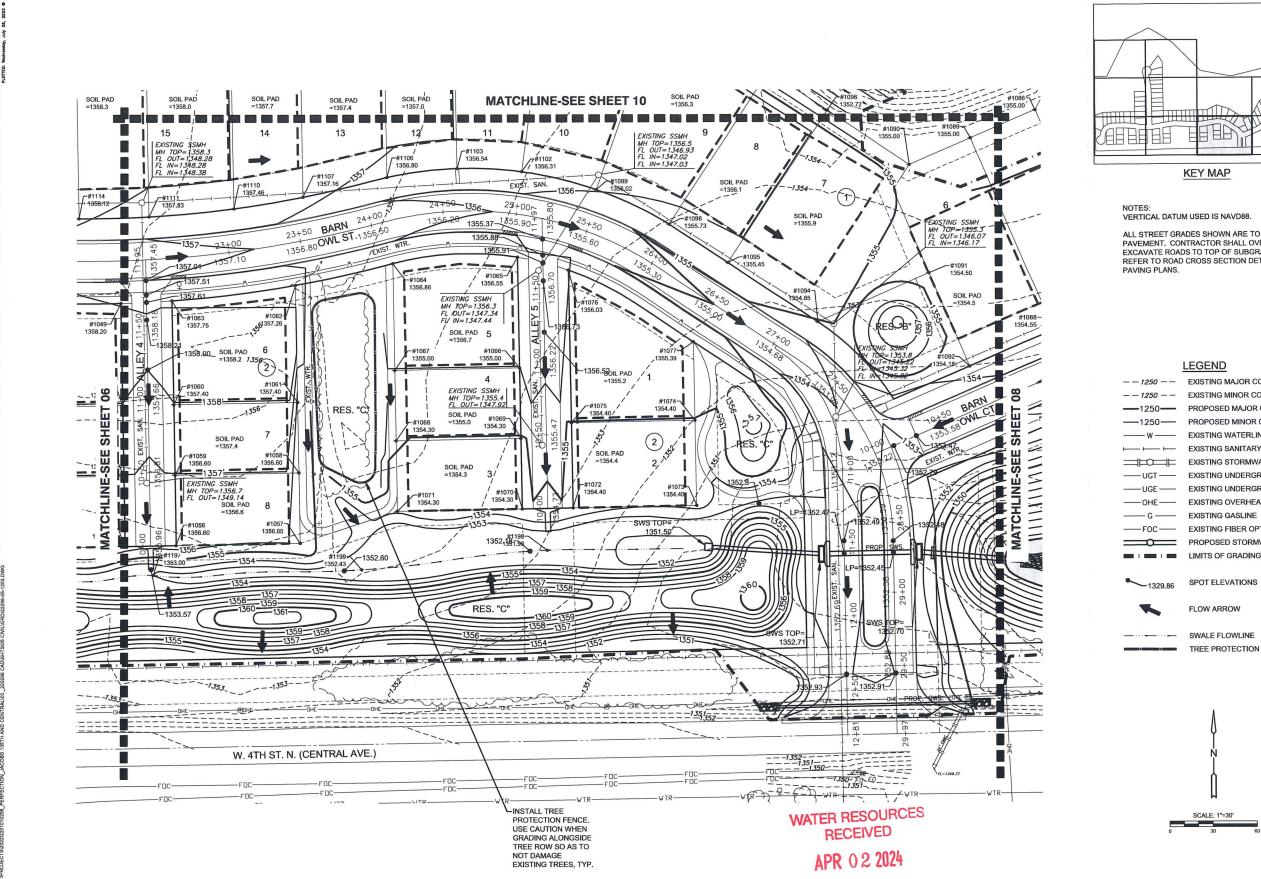
SERVE S 2 COB IMPROVEMENTS 1 7

WICHITA, 1 5 RD 4 COURTY

STORMWATER DRAIN #507

GRADING PLAN

458-2023-085532 **JULY 2023** 1" = 30" DRAWN CHECKER DML DML SPE REVISION SHEET NO.





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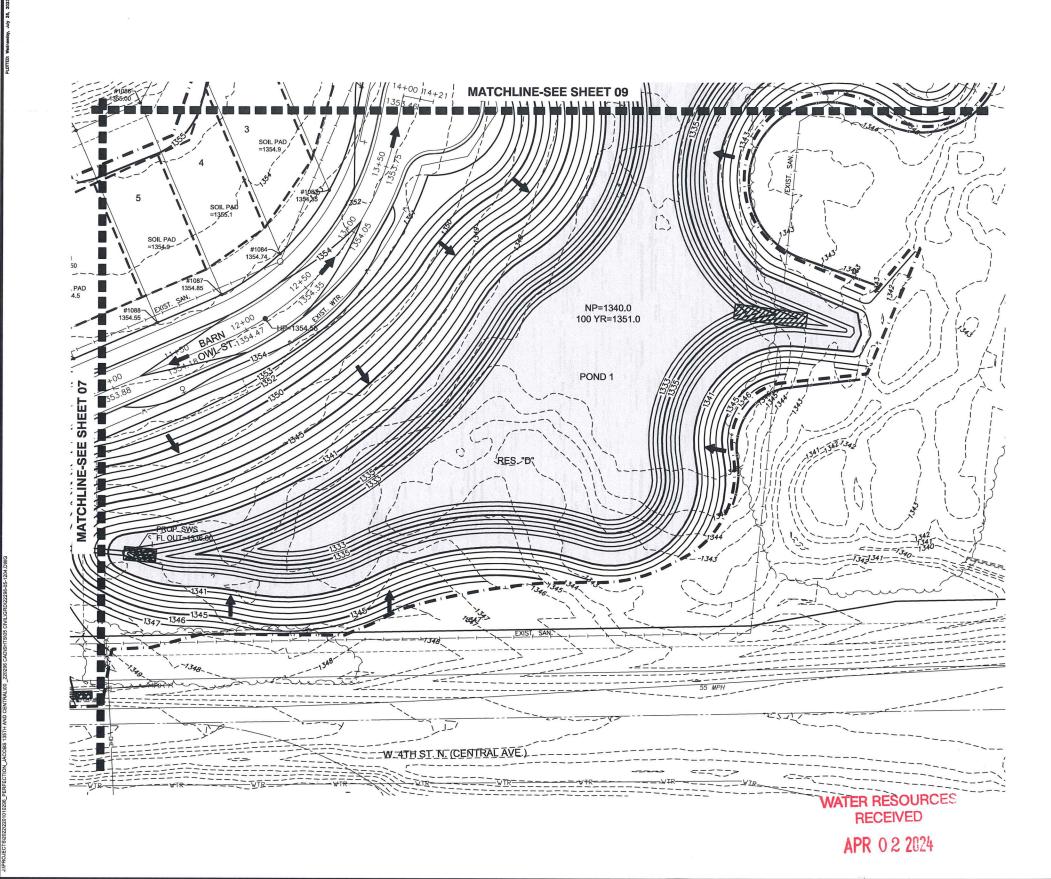
STORMWATER DRAIN #507

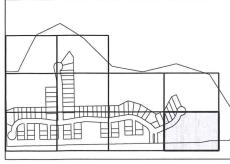
ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN

-- 1250 -- EXISTING MAJOR CONTOUR PROPOSED MAJOR CONTOUR —1250— PROPOSED MINOR CONTOUR — W —— EXISTING WATERLINE EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL — FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER LIMITS OF GRADING

GRADING PLAN

458-2023-08553 JULY 2023 1" = 30' DML SPE DML REVISION SHEET NO.





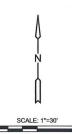
KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

LEGEND

--1250-- EXISTING MINOR CONTOUR PROPOSED MAJOR CONTOUR -1250 --- PROPOSED MINOR CONTOUR EXISTING STORMWATER SEWER - UGT --- EXISTING UNDERGROUND TELEPHONE UGE — EXISTING UNDERGROUND ELECTRICAL OHE — EXISTING OVERHEAD ELECTRICAL FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER LIMITS OF GRADING 1329.86 SPOT ELEVATIONS

> FLOW ARROW SWALE FLOWLINE TREE PROTECTION FENCE





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IMPROVEMENTS TO

STORMWATER DRAIN #507

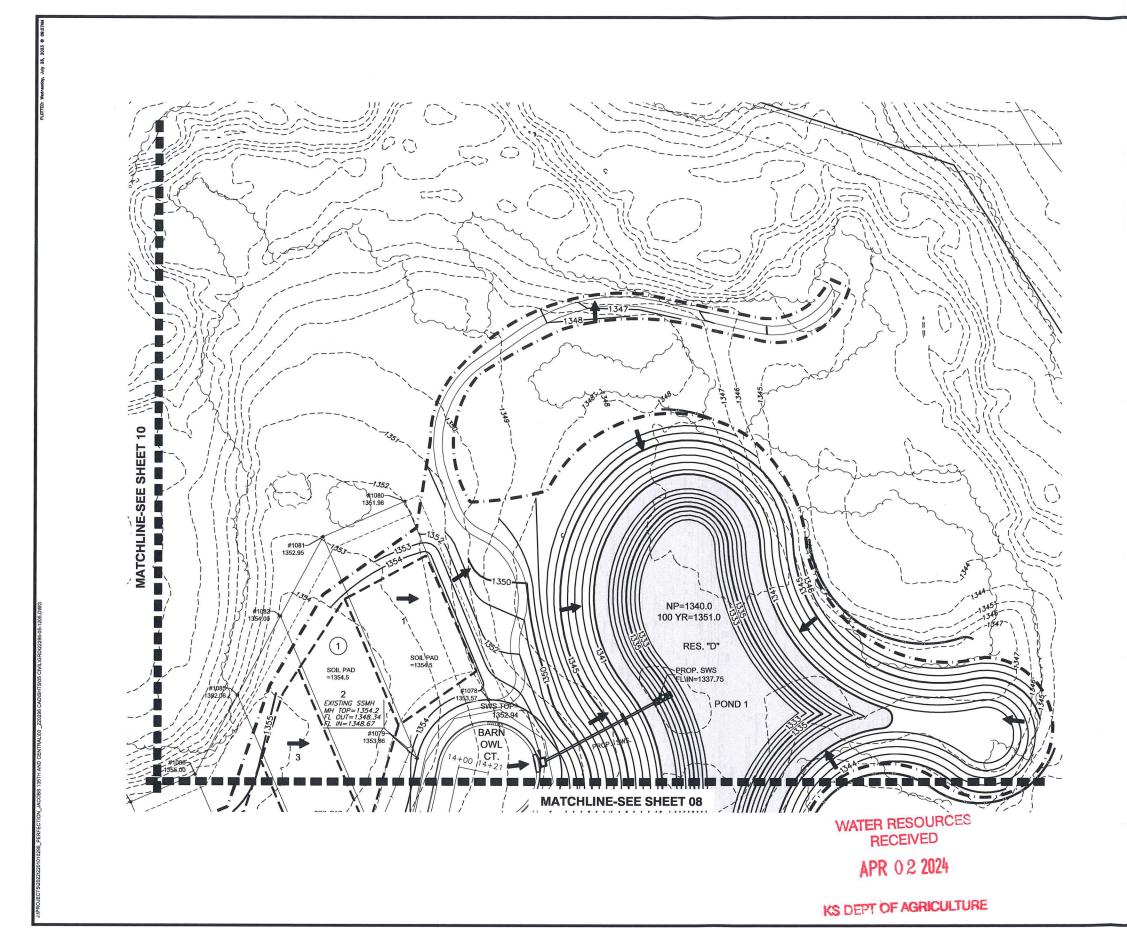
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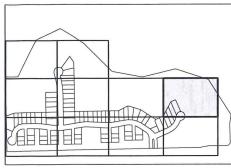
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GRADING PLAN

ROJECT NO. 458-2023-085532 1" = 30' DML DML REVISION SHEET NO. 08 OF 26





KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

LEGEND

- 1250 -- EXISTING MAJOR CONTOUR
- 1250 -- EXISTING MINOR CONTOUR
- 1250 -- PROPOSED MAJOR CONTOUR
- 1250 -- PROPOSED MINOR CONTOUR
- W -- EXISTING WATERLINE
- -- EXISTING SANITARY SEWER
- UCT -- EXISTING UNDERGROUND TELEPHONE
- UCE -- EXISTING UNDERGROUND ELECTRICAL
- OHE -- EXISTING OVERHEAD ELECTRICAL
- G -- EXISTING GASLINE
- FOC -- EXISTING FIBER OPTIC LINE
- PROPOSED STORMWATER SEWER
- LIMITS OF GRADING
- 1329.86 SPOT ELEVATIONS
- FLOW ARROW



----- SWALE FLOWLINE

TREE PROTECTION FENCE



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JACOBS FARM

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STORMWATER DRAIN #507 IMPROVEMENTS

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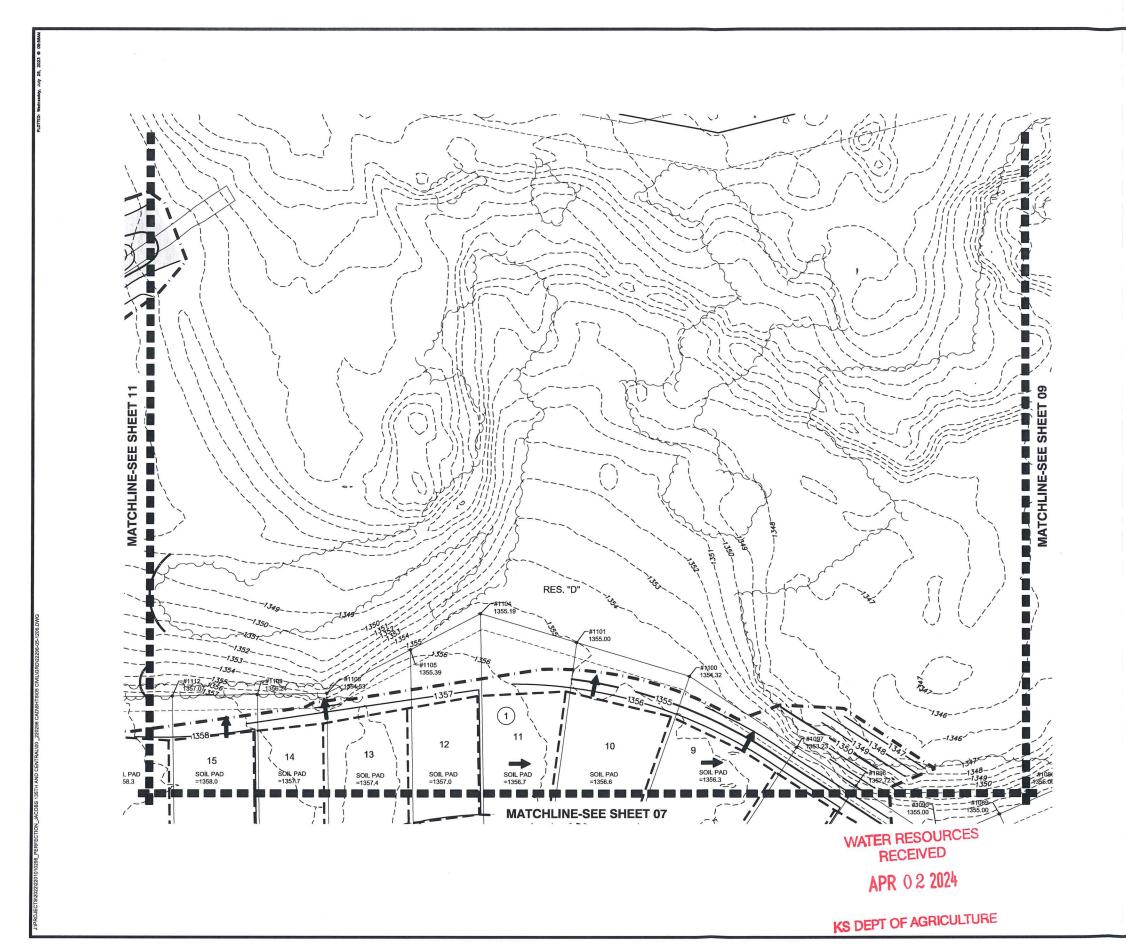
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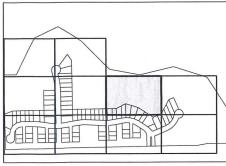
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GRADING PLAN

PROJECT NO	458-202	3-085532	
DATE	JULY	JULY 2023	
SCALE	1" =	= 30'	
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KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN DAMES. PAVING PLANS.

LEGEND

-- 1250 -- EXISTING MAJOR CONTOUR -- 1250 -- EXISTING MINOR CONTOUR PROPOSED MINOR CONTOUR — W — EXISTING WATERLINE EXISTING SANITARY SEWER EXISTING STORMWATER SEWER EXISTING UNDERGROUND TELEPHONE EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL **EXISTING GASLINE** —FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER



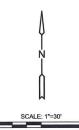
SPOT ELEVATIONS



FLOW ARROW



TREE PROTECTION FENCE



GRADING PLAN

PROJECT NO	458-20	23-085532
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MKEC Wichita, KS • 316-684-9600

FARM TO SERVE ACOBS STORMWATER DRAIN #507 IMPROVEMENTS

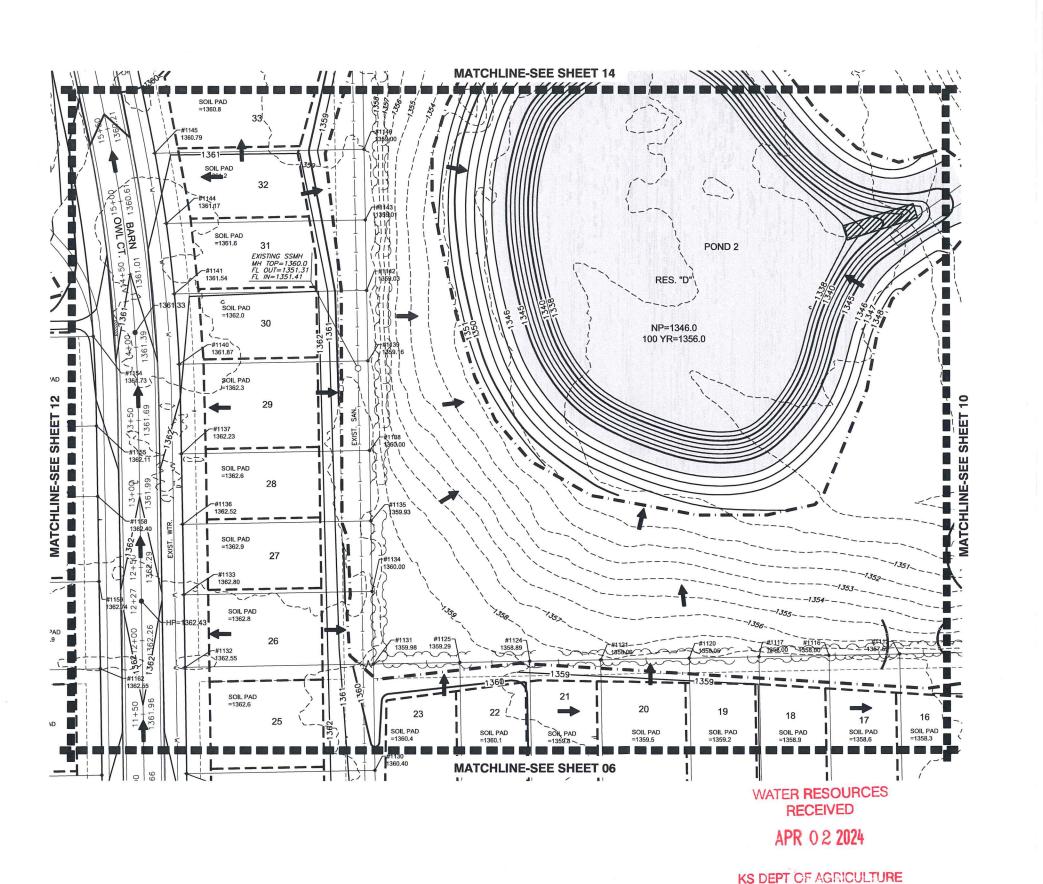
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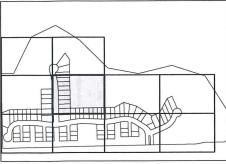
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LIMITS OF GRADING

SWALE FLOWLINE





KEY MAP

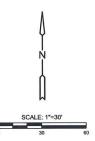
ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

LEGEND

-- 1250 -- EXISTING MAJOR CONTOUR -- 1250 -- EXISTING MINOR CONTOUR -1250 --- PROPOSED MINOR CONTOUR — W — EXISTING WATERLINE — ← EXISTING SANITARY SEWER EXISTING STORMWATER SEWER EXISTING UNDERGROUND TELEPHONE EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL **EXISTING GASLINE** FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER LIMITS OF GRADING 1329.86 SPOT ELEVATIONS FLOW ARROW

----- SWALE FLOWLINE

TREE PROTECTION FENCE





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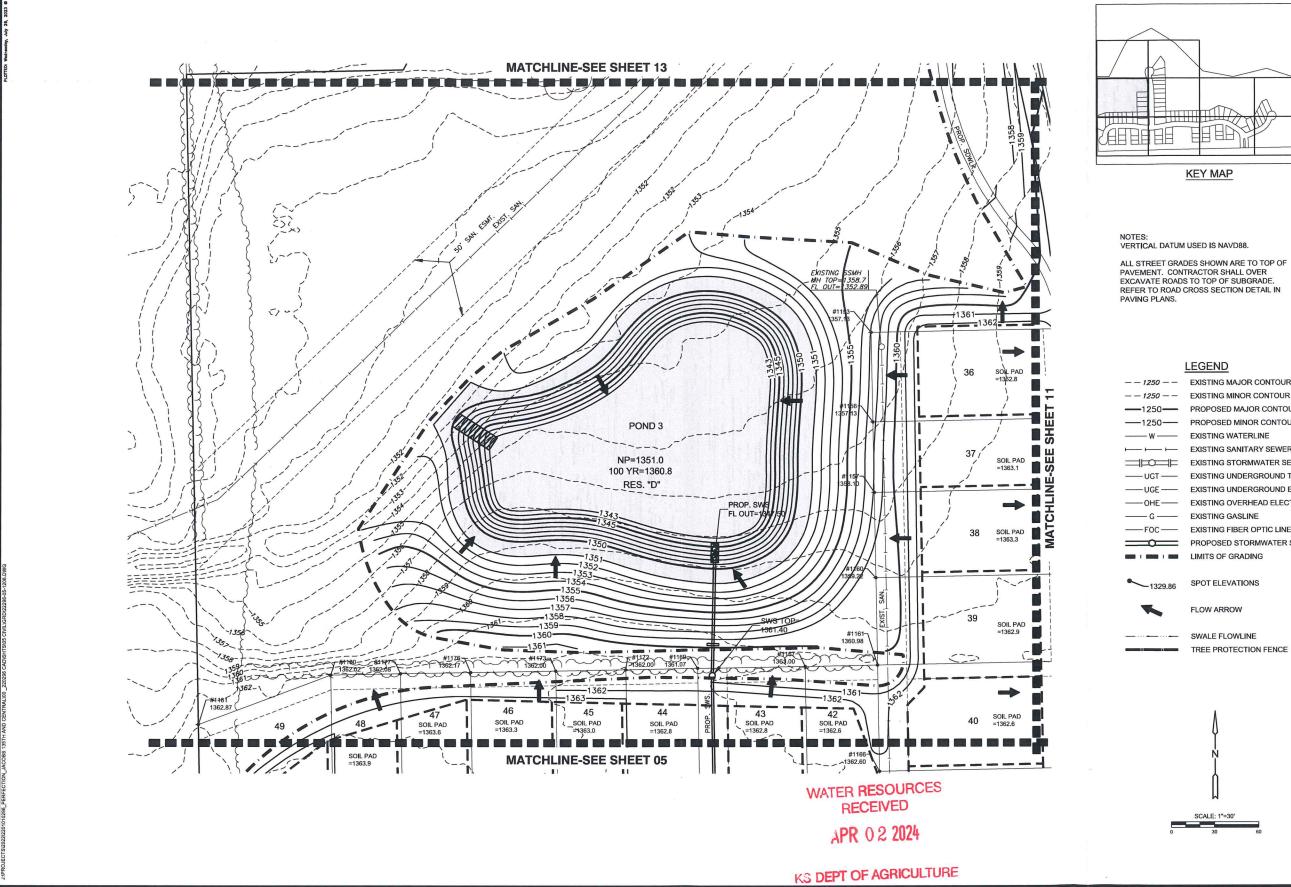
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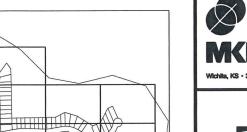
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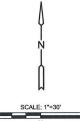


KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

LEGEND

-- 1250 -- EXISTING MAJOR CONTOUR -- 1250 -- EXISTING MINOR CONTOUR -1250 — PROPOSED MINOR CONTOUR — EXISTING WATERLINE EXISTING SANITARY SEWER EXISTING STORMWATER SEWER EXISTING UNDERGROUND ELECTRICAL EXISTING OVERHEAD ELECTRICAL PROPOSED STORMWATER SEWER LIMITS OF GRADING 1329.86 SPOT ELEVATIONS FLOW ARROW





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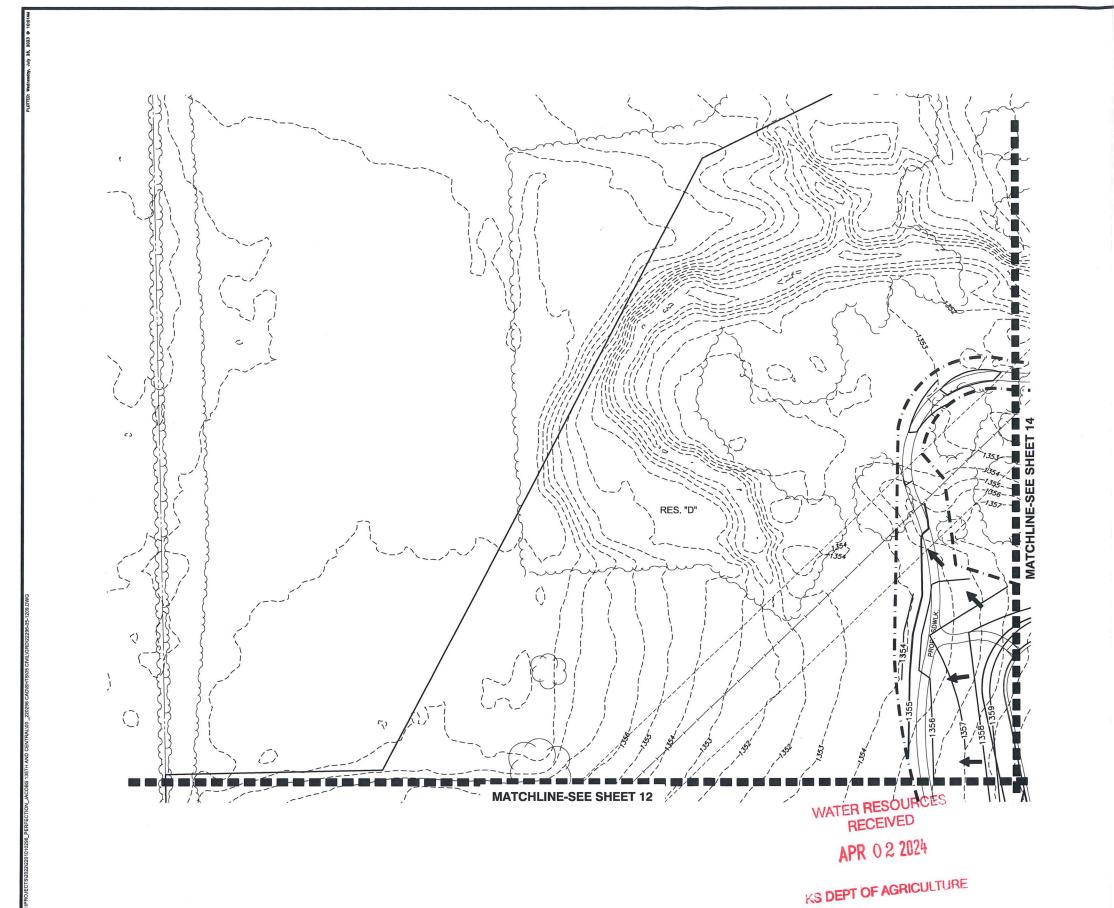
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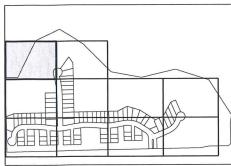
STORMWATER DRAIN #507 IMPROVEMENTS

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GRADING PLAN

ROJECT NO. 458-2023-085532 JULY 2023 1" = 30' DML SPE SHEET NO.





KEY MAP

ALL STREET GRADES SHOWN ARE TO TOP OF PAVEMENT. CONTRACTOR SHALL OVER EXCAVATE ROADS TO TOP OF SUBGRADE. REFER TO ROAD CROSS SECTION DETAIL IN PAVING PLANS.

LEGEND

-- 1250 -- EXISTING MAJOR CONTOUR --1250 -- EXISTING MINOR CONTOUR PROPOSED MAJOR CONTOUR —1250— PROPOSED MINOR CONTOUR — W — EXISTING WATERLINE EXISTING SANITARY SEWER EXISTING STORMWATER SEWER EXISTING UNDERGROUND TELEPHONE EXISTING UNDERGROUND ELECTRICAL OHE --- EXISTING OVERHEAD ELECTRICAL EXISTING GASLINE FOC — EXISTING FIBER OPTIC LINE PROPOSED STORMWATER SEWER LIMITS OF GRADING



1329.86 SPOT ELEVATIONS



FLOW ARROW



TREE PROTECTION FENCE





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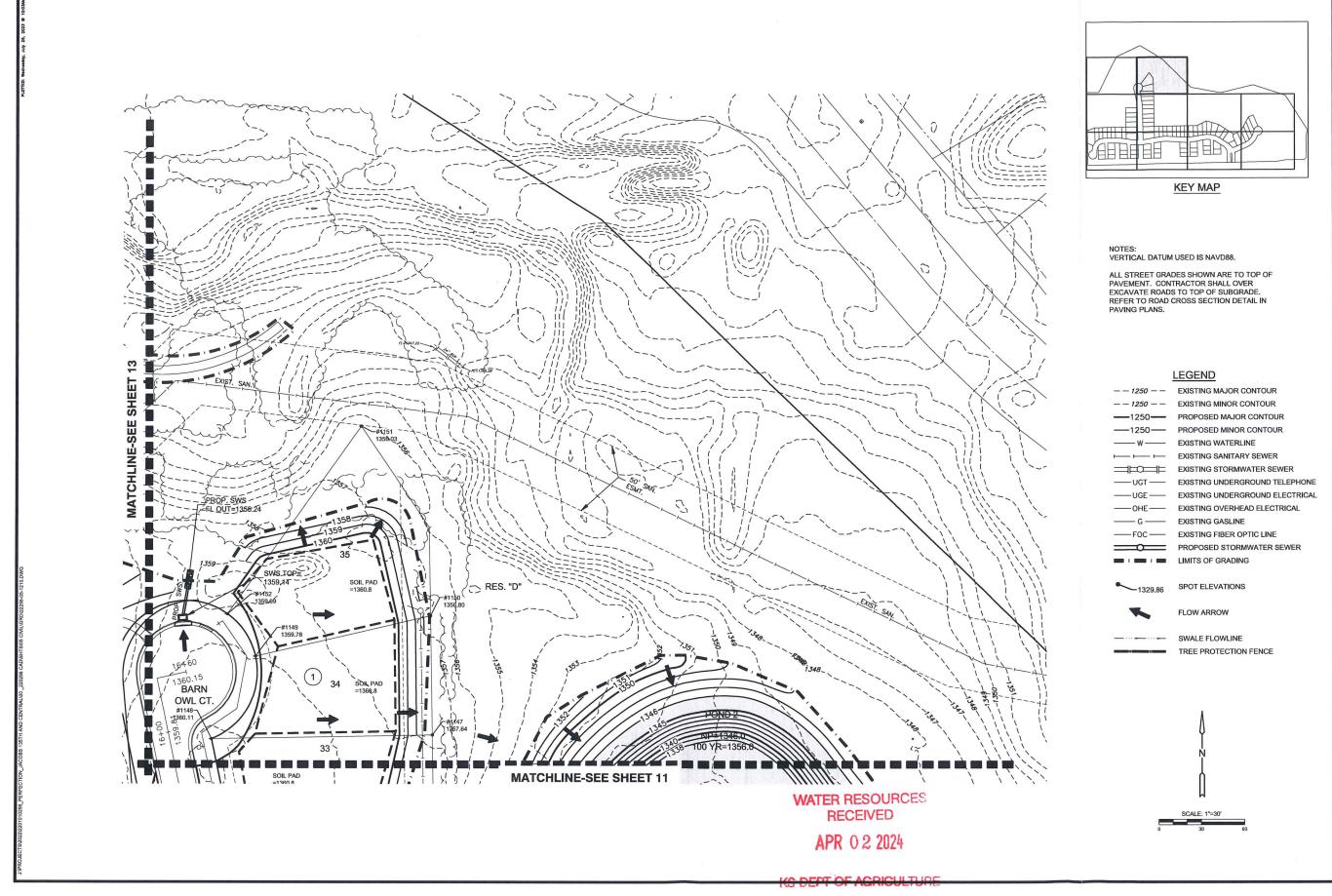
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STORMWATER DRAIN #507 IMPROVEMENTS TO SERVE

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NO. REVISION DATE SHEET NO.

15 OF 26

GRADING POINTS Point # Northing Easting 1000 1687958.21 1599727.50 1001 1687959.75 1599812.49 1002 1688007.75 1599811.61 1003 1688006.20 1599726.63 1004 1688054.19 1599725.75 1005 1688055.74 1599810.74 1006 1688142.18 1599809.17 1007 | 1688106.60 | 1599724.80 1008 1688142.82 1599844.16 1009 1688144.27 1599929.15 1010 1688067.92 1599930.54 1011 1688066.37 1599845.55 1012 1688008.38 1599846.61 1013 1688009.93 1599931.59 1014 1687961.94 1599932.47 1015 1687960.39 1599847.48 1016 1688142.79 1599987.18 1017 1688133.03 1600072.38 1018 1688060.53 1600073.70 1019 1688058.98 1599988.71

	GRADING POINTS			
Point #	Northing	Easting		
1020	1688010.99	1599989.58		
1021	1688012.53	1600074.57		
1022	1687964.54	1600075.44		
1023	1687962.99	1599990.46		
1024	1687965.18	1600110.44		
1025	1687966.72	1600195.42		
1026	1688014.72	1600194.55		
1027	1688013.17	1600109.56		
1028	1688061.16	1600108.69		
1029	1688062.71	1600193.68		
1030	1688121.72	1600192.60		
1031	1688127.59	1600107.48		
1032	1688123.64	1600250.58		
1033	1688135.17	1600335.38		
1034	1688061.12	1600336.73		
1035	1688059.57	1600251.74		
1036	1688011.58	1600252.62		
1037	1688013.12	1600337.60		
1038	1687965.13	1600338.48		
1039	1687963.58	1600253.49		

	GRADING POI	NTS
Point #	Northing	Easting
1040	1687965.77	1600373.4
1041	1687967.31	1600458.4
1042	1688025.31	1600457.4
1043	1688023.76	1600372.4
1044	1688071.75	1600371.5
1045	1688073.30	1600456.5
1046	1688157.49	1600454.9
1047	1688142.93	1600370.2
1048	1688152.21	1600682.3
1049	1688150.39	1600767.3
1050	1688080.84	1600768.6
1051	1688079.30	1600683.6
1052	1688031.31	1600684.5
1053	1688032.85	1600769.5
1054	1687984.86	1600770.3
1055	1687983.31	1600685.3
1056	1687985.50	1600805.3
1057	1687987.04	1600890.3
1058	1688035.04	1600889.4
1059	1688033.49	1600804.5

	GRADING POI	NTS
Point #	Northing	Easting
1060	1688081.48	1600803.62
1061	1688083.03	1600888.61
1062	1688162.73	1600887.16
1063	1688152.18	1600802.34
1064	1688177.51	1600954.24
1065	1688181.78	1601039.18
1066	1688106.40	1601040.55
1067	1688104.85	1600955.57
1068	1688056.86	1600956.44
1069	1688058.41	1601041.43
1070	1688010.42	1601042.30
1071	1688008.87	1600957.31
1072	1688011.05	1601077.29
1073	1688012.60	1601162.28
1074	1688070.59	1601161.22
1075	1688069.04	1601076.24
1076	1688172.97	1601074.35
1077	1688123.98	1601160.25
1078	1688332.35	1601595.86
1079	1688292.24	1601546.72

GRADING POINTS			
Point #	Northing	Easting	
1181	1688288.97	1599595.01	
1182	1688144.04	1599597.92	
1183	1688115.70	1599663.92	
1184	1687956.67	1599692.56	
1185	1687953.44	1599843.93	
1186	1687952.23	1599948.43	
1187	1687954.00	1600051.61	
1188	1687951.82	1600100.52	
1189	1687949.71	1600158.42	
1190	1687947.13	1600214.13	
1191	1687949.55	1600251.79	
1192	1687948.48	1600292.02	
1193	1687948.78	1600332.23	
1194	1687945.58	1600423.00	
1195	1687956.13	1600547.85	
1196	1687963.91	1600684.67	
1197	1687965.21	1600789.63	
1198	1687982.23	1601059.47	
1199	1687968.95	1600932.70	

GRADING POINTS

1080 1688467.43 1601537.63

1081 1688443.28 1601481.61

1082 1688389.26 1601452.63

1083 1688222.00 1601524.73

1084 1688178.73 1601491.11

1085 1688335.24 1601423.65

1086 1688281.23 1601394.66

1087 1688150.86 1601450.86

1088 1688131.62 1601406.88

1089 1688262.23 1601350.58

1090 1688244.20 1601308.76

1091 1688170.56 1601322.04

1092 1688106.88 1601349.48

1094 1688137.47 1601245.26

1095 1688177.87 1601183.88

1096 1688281.49 1601252.09

1097 1688307.89 1601212.00

1098 1688204.11 1601143.69

1099 1688227.65 1601093.68

1100 1688356.28 1601138.48

Point # Northing Easting

GRADING POINTS			
Point #	Northing	Easting	
1101	1688379.36	1601061.04	
1102	1688239.96	1601042.20	
1103	1688242.19	1600998.04	
1104	1688398.99	1600995.19	
1105	1688374.38	1600947.63	
1106	1688236.17	1600950.14	
1107	1688222.72	1600892.38	
1108	1688344.65	1600890.16	
1109	1688343.78	1600842.17	
1110	1688214.79	1600844.52	
1111	1688209.28	1600786.61	
1112	1688342.72	1600784.18	
1113	1688341.85	1600736.19	
1114	1688208.03	1600738.62	
1115	1688209.77	1600690.58	
1116	1688340.98	1600688.19	
1117	1688340.10	1600640.20	
1118	1688214.52	1600642.49	
1119	1688218.92	1600594.40	
1120	1688339.23	1600592.21	

	CARLOTTE CONT. TA LINE	
Point #	Northing	Easting
1121	1688338.12	1600531.22
1122	1688220.46	1600533.36
1123	1688218.52	1600485.39
1124	1688337.25	1600483.23
1125	1688336.37	1600435.24
1126	1688213.78	1600437.47
1127	1688203.97	1600378.14
1128	1688181.73	1600249.52
1129	1688260.45	1600248.09
1130	1688262.80	1600377.06
1131	1688335.29	1600375.75
1132	1688332.94	1600246.77
1133	1688382.43	1600245.87
1134	1688384.78	1600374.84
1135	1688432.77	1600373.97
1136	1688430.43	1600244.99
1137	1688478.42	1600244.12
1138	1688480.76	1600373.10
1139	1688541.75	1600371.99
1140	1688539.40	1600242.63

GRADING POINTS

GRADING POINTS		
Point #	Northing	Easting
1141	1688587.35	1600239.33
1142	1688589.75	1600371.11
1143	1688637.74	1600370.24
1144	1688635.26	1600233.78
1145	1688683.12	1600225.93
1146	1688685.73	1600369.37
1147	1688746.72	1600368.26
1148	1688743.90	1600213.29
1149	1688801.75	1600243.94
1150	1688830.05	1600366.74
1151	1688962.42	1600317.81
1152	1688831.22	1600224.23
1153	1688556.00	1600055.68
1154	1688558.33	1600183.47
1155	1688497.36	1600185.76
1156	1688495.01	1600056.79
1157	1688447.02	1600057.66
1158	1688449.37	1600186.64
1159	1688391.38	1600187.69
1160	1688389.03	1600058.72

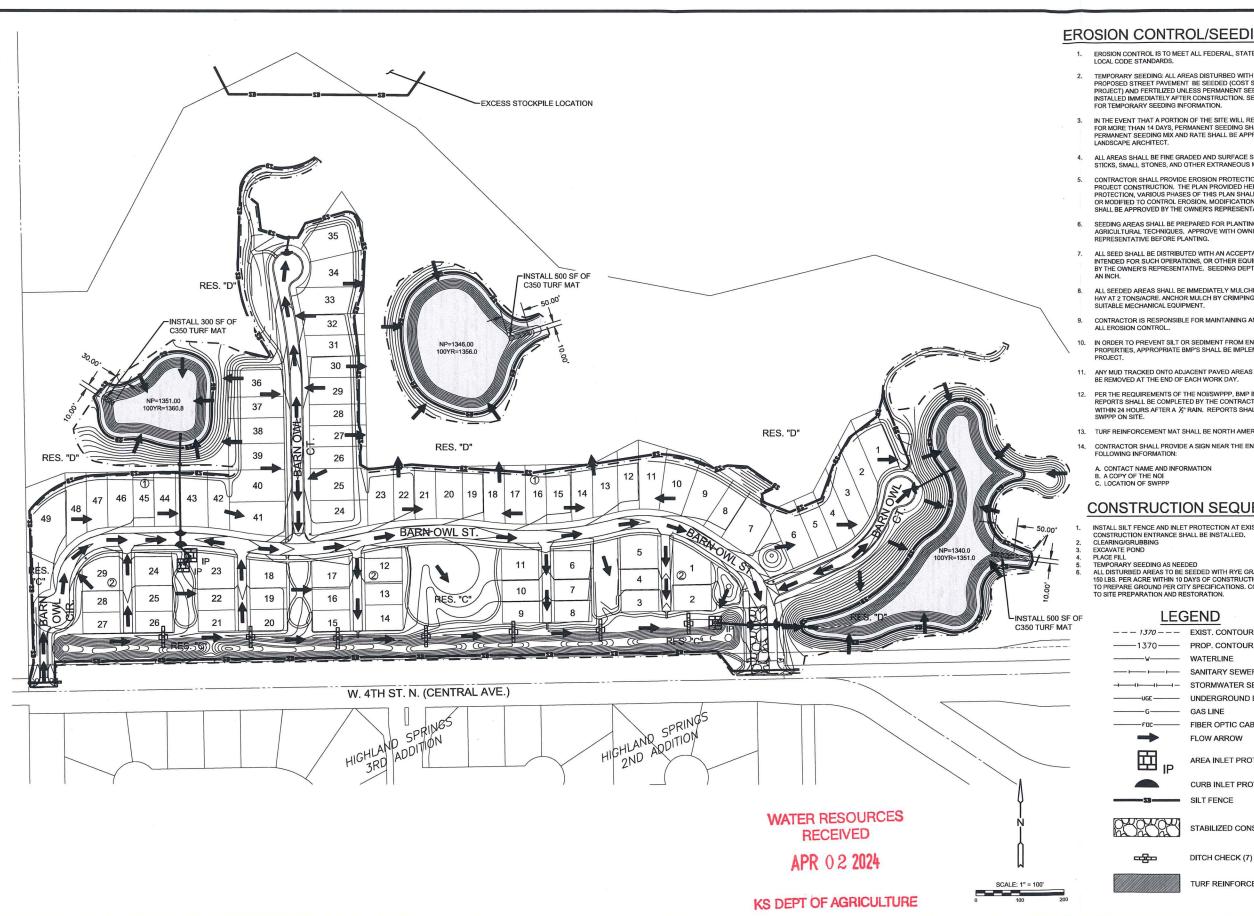
Point #	Northing	Easting
1161	1688329.54	1600059.80
1162	1688331.89	1600188.78
1163	1688259.40	1600190.10
1164	1688179.74	1600191.55
1165	1688193.30	1600062.28
1166	1688257.05	1600061.12
1167	1688328.64	1600010.31
1168	1688199.05	1600012.66
1169	1688327.30	1599936.82
1170	1688202.36	1599939.09
1171	1688201.66	1599889.60
1172	1688326.40	1599887.33
1173	1688325.53	1599839.33
1174	1688200.78	1599841.60
1175	1688199.62	1599783.62
1176	1688324.47	1599781.34
1177	1688323.60	1599733.35
1178	1688188.15	1599735.82
1179	1688153.95	1599688.43
1180	1688322.72	1599685.36

GRADING POINTS

WATER RESOURCES RECEIVED

APR 02 2024

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EROSION CONTROL/SEEDING NOTES

- EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODE STANDARDS.
- TEMPORARY SEEDING: ALL AREAS DISTURBED WITH EXCEPTION OF PROPOSED STREET PAVEMENT BE SEEDED (COST SUBSIDIARY TO PROJECT) AND FERTILIZED UNI ESS PERMANENT SEEDING CAN BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION. SEE SEEDING NOTES
- IN THE EVENT THAT A PORTION OF THE SITE WILL REMAIN DISTURBED FOR MORE THAN 14 DAYS, PERMANENT SEEDING SHALL BE INSTALLED. PERMANENT SEEDING MIX AND RATE SHALL BE APPROVED BY PROJECT LANDSCAPE ARCHITECT.
- 4. ALL AREAS SHALL BE FINE GRADED AND SURFACE SHALL BE FREE FROM STICKS, SMALL STONES, AND OTHER EXTRANEOUS MATERIALS.
- 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.
- 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
- 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.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND IMPLEMENTING ALL EROSION CONTROL..
- IN ORDER TO PREVENT SILT OR SEDIMENT FROM ENTERING ADJACENT PROPERTIES, APPROPRIATE BMP'S SHALL BE IMPLEMENTED WITHIN THE
- 11. ANY MUD TRACKED ONTO ADJACENT PAVED AREAS OR STREETS SHALL BE REMOVED AT THE END OF EACH WORK DAY.
- 12. PER THE REQUIREMENTS OF THE NO/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
- 13. TURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN C350.
- 14. CONTRACTOR SHALL PROVIDE A SIGN NEAR THE ENTRANCE WITH THE
 - A. CONTACT NAME AND INFORMATION B. A COPY OF THE NOI C. LOCATION OF SWPPP

CONSTRUCTION SEQUENCING

- INSTALL SILT FENCE AND INLET PROTECTION AT EXISTING DROP INLETS.
 CONSTRUCTION ENTRANCE SHALL BE INSTALLED.
 CLEARING/GRUBBING
 EXCAVATE POND
 PLACE FILL
 TEMPORARY SEEDING AS NEEDED.

- ALL DISTURBED AREAS TO BE SEEDED WITH RYE GRASS AT A RATE OF TO PREPARE GROUND PER CITY SPECIFICATIONS. COST IS SUBSIDIARY TO SITE PREPARATION AND RESTORATION.

LEGEND

-1370 PROP, CONTOUR — ← SANITARY SEWER UNDERGROUND ELECTRICAL FIBER OPTIC CABLE FLOW ARROW



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DRAIN

STORMWATER

Š WICHITA,

EROSION CONTROL PLAN

AREA INLET PROTECTION	PROJECT NO. 458-2023-085532
AREA INCETT NOTEOTION	JULY 2023
CURB INLET PROTECTION	1" = 100'
SILT FENCE	DESIGNED DRAWN CHECKED
2	DML DML SPE
STABILIZED CONSTRUCTION ENTRANCE	
DITCH CHECK (7)	
	NO. REVISION DATE
TURF REINFORCEMENT MAT	SHEET NO.



FARM

JACOBS

A

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COURTYARD

WICHITA,

STORMWATER DRAIN #507 IMPROVEMENTS TO SERVE

COVER CROP

SHORT NATIVE GRASS MIX

TALL NATIVE GRASS MIX

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

SEEDING PLAN

PROJECT NO.	458-2023-085532	
DATE	JULY 2023	
SCALE	1" = 100'	
DESIGNED	DRAWN CHECKED	
DML	DML SPE	
	DATE.	
NO. RE	REVISION DATE	
SHEET NO.		

GENERAL NOTES

- CONTRACTOR SHALL MAKE THEMSELVES FAMILIAR WITH ALL APPLICABLE SPECIFICATIONS RELATED TO THE NATIVE GRASS, WILDFLOWER AND PLUG INSTALLATION IN THE DRAINAGE AREA.
- LANDSCAPE 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
- LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE MASS GRADING CONTRACTOR TO INSURE THEY
 THOROUGHLY PREPARE THE TOP SOIL LAYER FOR LANDSCAPE MATERIAL INSTALLATION.
- 4. SEED MIXES SHALL BE OBTAINED THROUGH STOCK SEED FARMS, MURDOCK, NEBRASKA (800) 759-1520, OR APPROVED
- 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

NATIVE GRASS & WILDFLOWER INSTALLATION

- SEEDBED PREPARATION:
 ONCE TOPSOIL HAS BEEN PLACED, DISC/SCARIFY SOIL PRIOR TO SEEDING UNLESS SEEDING INTO INTENTIONALLY PLANTED
- 2. IT IS INTENDED A COVER CROP (TEMPORARY SEEDING) BE PLANTED IN ALL DISTURBED AREAS 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

PERMANENT SEEDING MIX:
ALL DISTURBED AREAS AS SHOWN ON THE SEEDING PLAN SHALL RECEIVE PERMANENT NATIVE GRASS SEED MIX AND FERTILIZED AFTER GRADING OPERATIONS ARE COMPLETE:

COVER CROP MIX (TEMPORARY SEEDING)
OATS @ 45 LBS./ACRE OATS @ 45 LBS./ACRE
"REGREEN" STERILE WHEAT @ 45 LBS./ACRE
CANADA WILD RYE @ 20 LBS./ACRE
SLOW RELEASE @ 150 LBS./ACRE

TALL NATIVE GRASS MIX: STOCK SEED FARMS - PRAIRIE 7 PLUS DRILL @ 10 PLS LBS./ACRE

SHORT NATIVE GRASS MIX: STOCK SEED FARMS - PRAIRIE 3 PLUS DRILL @ 8 PLS LBS./ACRE

WILDFLOWER MIX:

NOTE: WILDFLOWER MIX TO BE SEEDED WITH ALL NATIVE GRASS MIXES EXCEPT ON LOTS.

STOCK SEED FARMS - ANNUAL WILDFLOWER MIX DRILL @ 5 PLS LBS./ACRE

STOCK SEED FARMS - STOCK'S POLLINATOR MIX DRILL @ 10 PLS LBS./ACRE

NOTE: ALL SEED MIXES ARE AVAILABLE THROUGH STOCK SEED FARMS, MURDOCK, NE, (800) 759-1520.

SEEDING METHOD:
SEED PLACEMENT IS IMPORTANT AND SHOULD BE PLANTED NO MORE THAN 'X' DEEP. TO ENSURE ACCURATE PLACEMENT
SEED PLACEMENT IS IMPORTANT AND SHOULD BE PLANTED NO MORE THAN 'X' DEEP. 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 CULTIPACKET THEN BROADCAST SEED AND ROLL AGAIN. NOTE: A CULTIPACKER IS A SEGMENTED ROLLER THAT PREPARES THE SEEDBED THEN SLIGHTLY COMPACT THE SOIL AFTER

SEEDING RATES:

4. 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.

SEEDING DATES:
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.

FERTILIZING:
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.

WATERING (BY OTHERS):

8. DURING THE ESTABLISHMENT PHASE, SUPPLEMENTAL WATERING (ONCE A WEEK) FOR FOUR TO SIX WEEKS MAY BE DENING TO ENSURE SEED GERMINATION, THEN GRADUALLY REDUCE WATERING. A TEMPORARY IRRIGATION SYSTEM SHALL BE UTILIZED FOR INITIAL PLANT ESTABLISHMENT IF INCESSARY. ADDITIONAL WATERING WILL BE REQUIRED DURING TIMES OF PROL

MANAGEMENT DURING ESTABLISHMENT (BY OTHERS):
WEED CONTROL IS NECESSARY IN NEW SEEDING TO REDUCE COMPETITION FOR MOISTURE, NUTRIENTS AND SUNLIGHT.
HERBICIDES ARE NOT RECOMMENDED, AS THEY WILL HARM THE WILDFLOWER STAND. IF NECESSARY, HERBICIDES MAY BE
APPLIED USING A WICK APPLICATOR. MOWING DURING THE FIRST YEAR OF ESTABLISHMENT IS THE MOST APPROPRIATE
METHOD TO REDUCE WEED POPULATIONS. MOWING MUST TAKE PLACE BEFORE THE WEEDY PLANTS PRODUCE SEED.
WEEDS SHALL BE MOWED BEFORE THEY ARE 6" TALL; AS MUCH OF THE WEED SHOULD BE CUT AS POSSIBLE WITHOUT
REMOVING TOO MUCH OF THE NEW GROWTH OF NATIVE GRASSES.

TRASH AND DEBRIS REMOVAL:

10. THE BMP AREA 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

<u>VEGETATION (BY OTHERS):</u>
11. REVIEW AND INSPECT VEGETATION WITHIN THE PLANTING AREA ON A MONTHLY BASIS DURING THE SPRING AND SUMMER MONTHS. INSPECTION SHOULD BE PERFORMED TO DETERMINE HEALTH AND TO IDENTIFY WEEDS AND INVASIVE SPECIES. INSPECTION SHOULD BE PERFORMED TO DETERMINE HEALTH AND TO IDENTIFY WEEDS AND INVASIVE SPECIES. INSPECTIONS SHOULD BE PERFORMED BY A PERSON TRAINED IN PLANT IDENTIFICATION AND CHARACTERISTICS. VEGETATION SHOULD ONLY INCLUDE PLANT SPECIES AS IDENTIFIED IN THE SEED MIX SPECIFIED. ALL OTHER PLANT SPECIES NOT IDENTIFIED IN SEED MIX ARE TO BE REMOVED DURING MAINTENANCE.

FALL AND WINTER MANAGEMENT (BY OTHERS):

12. SEEDED AREAS SHOULD BE MOWED FOLLOWING A HARD FREEZE AND AFTER PLANTS HAVE ESTABLISHED SEEDS. IF MOWING IS USED IT SHOULD BE A TWO STEP PROCESS. MOW SITE AND THEN REMOVE TOP GROWTH, TOP GROWTH MAY BE REMOVED BY RAKING, BALING OR MOWING WITH A BAGGER BUT A LAWN VACUUM SHOULD NOT BE USED.

- SATISFACTORY NATIVE STAND:

 13. 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.
- 14. REESTABLISH NATIVE STANDS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL NATIVE

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IMPROVEMENTS

STORMWATER DRAIN #507

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SEEDING NOTES

ROJECT NO. 458-2023-08553 **JULY 2023** AS SHOWN DESIGNED DRAWN CHECKED DML DML SPE

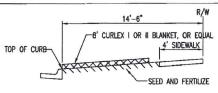
WATER RESOURCES

RECEIVED

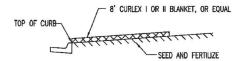
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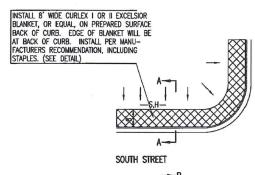
REVISION SHEET NO. 18 OF 26

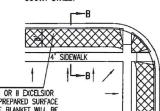


SECTION B-B



SECTION A-A



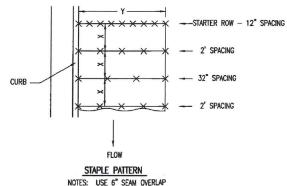


INSTALL 8' WIDE CURLEX I OR II EXCELSIOR BLANKET, OR EQUAL, ON PREPARED SURFACE BACK OF CURB. EDGE OF BLANKET WILL BE AT BACK OF CURB. INSTALL PER MANU— FACTURERS RECOMMENDATION, INCLUDING STAPLES. (SEE DETAIL)

- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
- EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- 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

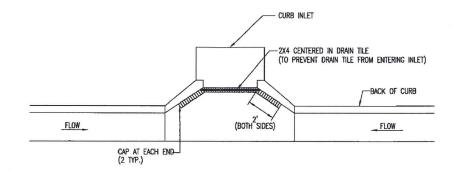
11 GA. WIRE STAPLE



NOTES: USE 6" SEAM OVERLAP

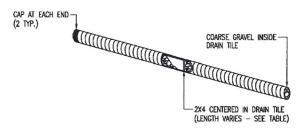
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT



NOTE:	DEDEAD	ATER 01	10 DIDE	-	D 1411
	PERFOR				
1/2"-1"	DIA. GRA	VEL. IN	FRONT	OF CU	IRB
NLET AS		754			

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

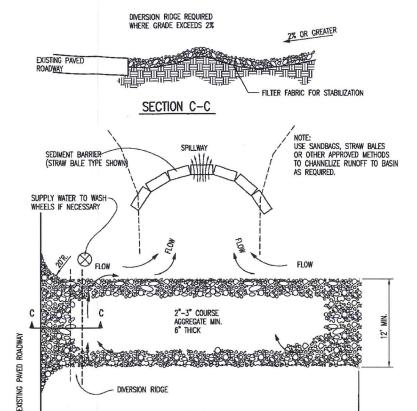


CURB INLET PROTECTION

4" PERFORATED PIPE W/ GRAVEL

WATER RESOURCES RECEIVED APR 02 2024

KS DEPT OF AGRICULTURE



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.
- 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





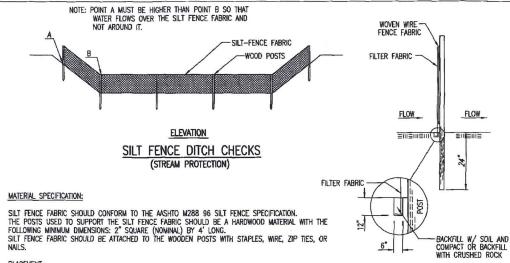
BACK OF CURB PROTECTION, **CURB INLET PROTECTION AND** CONSTRUCTION ENTRANCE

GARY JANZEN, P.E. 458-2023-085532 #### **JULY 2023**

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

19 OF 26

SHEET



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

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

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

PROPER INSTALLATION METHOD:

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

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK-NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM. DO NOT PLACE SILT FENCE POSTS ON THE UPSTREAM SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STREES (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.

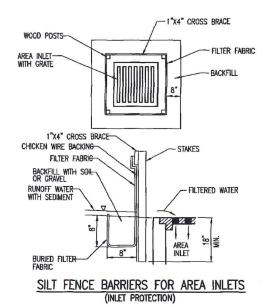
SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF $1/2^{\circ}$ OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING

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? WATER RESOURCES RECEIVED

ANCHOR TRENCH DETAIL

APR 02 2024

KS DEPT OF AGRICULTURE



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.

BY A WOODEN FRAME.

WHEN A SILT FENCE PARKET 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.

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 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 EXCAYATED 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 UNLUKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.

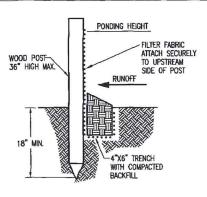
DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESISTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL

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.

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF $1/2^\circ$ OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED

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

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

WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A

WHEN PROLITICABLE, SELF HOLD SCOT AND SELF HOLD SCOT 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.

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 CONFIGURATION, THE FURGE OF THE WATER IS NOT RESTRICTED BY THE FUSION STAPLES (WIRE, ZIP TES, NALS, ETC.). THE SLIT FERDEC WILL BY AND FALL.

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

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?





SILT FENCE DITCH CHECK AND BARRIER DETAILS

GARY JANZEN, P.E. 458-2023-085532 #### **JULY 2023**

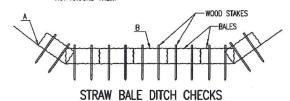
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET

WICHITA KANSAS 67202-1620 (316) 268-4501

20 OF 26

SHEET

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE BALES AND



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

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.

STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED.
ROCK CHECKS SHOULD BE USED INSTEAD.

BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED. THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH CHECK SPACING

TCH (%)	GRADE	CHECK SP/ (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 BEDGE OF THE EROSION—CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM BEDGE OF 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 HOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE SLOW, THE CREMENT OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO 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.

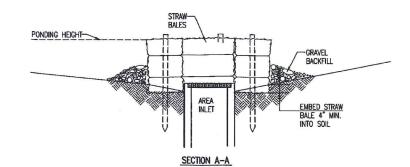
INSPECTION AND MAINTENANCE

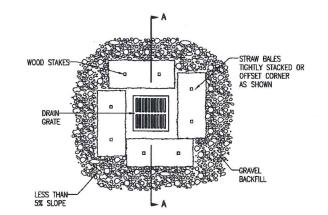
BALE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH ATER RESOURCES INSPECTION:

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

LIST
BALL
OVER
BALL

RECEIVED
APR 0.2 2024





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 AGRICULT TURE.

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 FRADILY.

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.

OTHER THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAYED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

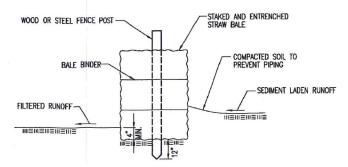
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

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" SOUARE (NOMINAL) BY 4" LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODGEGRAPE FEATING.

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 SEPIMENT

WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.

CONCENTRATION OF FLOW.

BALE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM
CROSSING ONTO BLACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT
LIKELY FOLLOW CONTOLIES.

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

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 UNDERSHINES THE BALES AND THE BARRIER FALLS.

DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERSLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

BALE SLOPE BARRIERS WIST BE DUE INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIERS.

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 SCDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

REVISION DATE: MAY 20



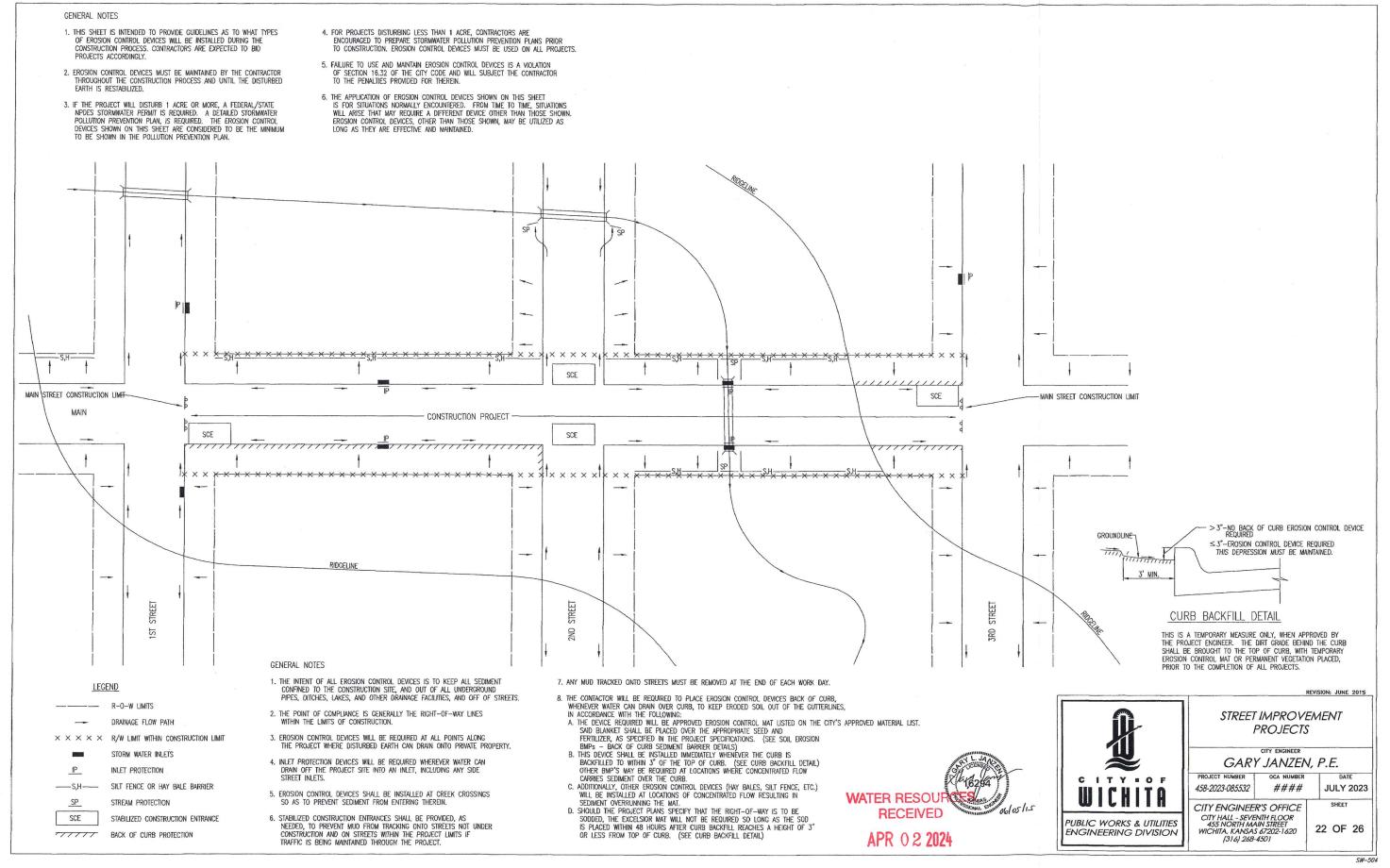


STRAW BALE DITCH CHECK AND BARRIER DETAILS

GARY JANZEN, P.E.

PROJECT NUMBER OCA NUMBER DATE
458-2023-085532 #### JULY 2023

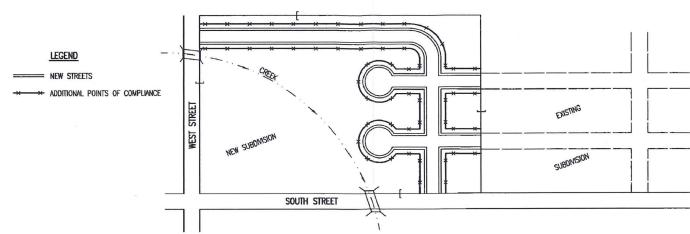
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501



PHASE 1 — INITIAL EARTHWORK AND UTILITIES (EXCEPT STORM SEWER) LEGEND DRAINAGE FLOW PATH RIDGE LINES X POINT OF COMPILANCE S.H. DRAINAGEWAY FLOWLINE SUBDINSON SUBDINSON SUBDINSON

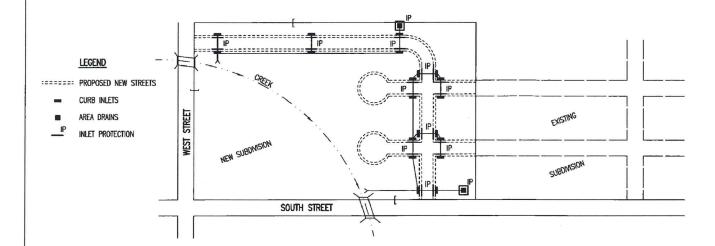
- DURING THIS PHASE OF SUBDIVISION CONSTRUCTION, THE POINTS OF COMPLIANCE ARE THE PERIMETER BOUNDARIES AND ANY DRAINAGE WAYS OR STORM SEWERS DRAINING THROUGH OR FROM THE SITE. SHOULD LAKES BE CONSTRUCTED WITHIN THE SUBDIVISION THAT WILL DISCHARGE DURING STORMS, THEY ARE ALSO A POINT OF COMPLIANCE.
- HAY BALES OR SILT FENCE MUST BE CONSTRUCTED ALONG THE PROPERTY LINE WHERE ON SITE WATER CAN DRAIN OFF THE PROPERTY. THESE EROSION CONTROL DEVICES WILL ALSO BE INSTALLED ALONG ANY DRAINAGE DITCH OR LAKE THAT CAN DISCHARGE.
- SHOULD SILT OR SEDIMENT ENTER THE DITCHES OR STREETS ON THE ADJACENT BOUNDARY STREETS, APPROPRIATE EROSION CONTROL DEVICES WILL BE PLACED WITHIN THE SUBDISSION 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.
- 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.
- 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



- DURING THIS PHASE OF SUBDIMISION 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 ENTRELY 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 CUITER.
- 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



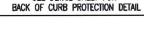
- DURING THIS PHASE OF SUBDIVISION DEVELOPMENT, ALL EROSION CONTROL DEVICES REQUIRED IN PHASE 1 SHALL REMAIN IN PLACE AND BE MAINTAINED.
- AS NEW STORM SEWERS, WITH INLETS, ARE INSTALLED, THE STORM SEWERS MUST NOW BE PROTECTED SO ALL NEW INLETS BECOME POINTS OF COMPLIANCE.
- Area Drains As soon as water can flow into these drains, hay bale or silt fence protection will be installed around them.
- 4. CURB OPENING INLETS AS SOON AS WATER CAN FLOW INTO THESE DRAINS, INLET PROTECTION DEVICES MUST BE INSTALLD. 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.
- 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 SUBDIMSION DEVELOPER WILL BE RESPONSIBLE FOR PERMANENTLY REMOVING THE INLET PROTECTION.

ENERAL NOTES

- THE INTENT OF ALL EROSION CONTROL DEVICES IS TO PREVENT ERODED SOIL
 FROM ENTERING DITCHES, STORM SEWERS, LAKES, STREETS OR ANY OTHER
 OTHER DRAINAGE FEATURE
- THIS SHEET IS INTENDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF EROSION CONTROL DEVICES WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. CONTRACTORS ARE EXPECTED TO RID PROJECTS ACCORDING!Y
- 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 SUBDIMISION THAT DISTURBS 1 ACRE OR MORE WILL REQUIRE A FEDERAL/STATE NPDES STORMWATER PERMIT. THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN IS REQUIRED. REOSION CONTROL DEVICES ARE REQUIRED. THE DETAILS SHOWN ON THIS SHEET ARE THE MINIMUM STANDARDS TO BE SHOWN ON POLLUTION PREVENTION PLANS.
- FOR SUBDINISIONS SMALLER THAN 1 ACRE, SOIL EROSION DEVICES ARE REQUIRED. ALSO, DEVELOPERS AND CONTRACTORS ARE ENCOURAGED TO DEVELOP POLLUTION PREVENTION PLANS FOR EACH PROJECT PRIOR TO CONSTRUCTION.
- FAILURE TO USE AND MAINTAIN SOIL EROSION DEVICES IS A VIOLATION OF SECTION 16.32 OF THE CITY CODE AND WILL SUBJECT THE SUBDIVISION DEVELOPER AND CONTRACTORS TO THE PENALTIES PROVIDED THEREIN.
- 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.
- 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.

WATER RESOURCES RECEIVED APR 0.2 2024



SEE DETAIL SHEET FOR



CURB BACKFILL DETAIL (STREET CONSTRUCTION ONLY)

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

REVISION DATE: MAY 2013



SUBDIVISION DEVELOPMENT PROCESS

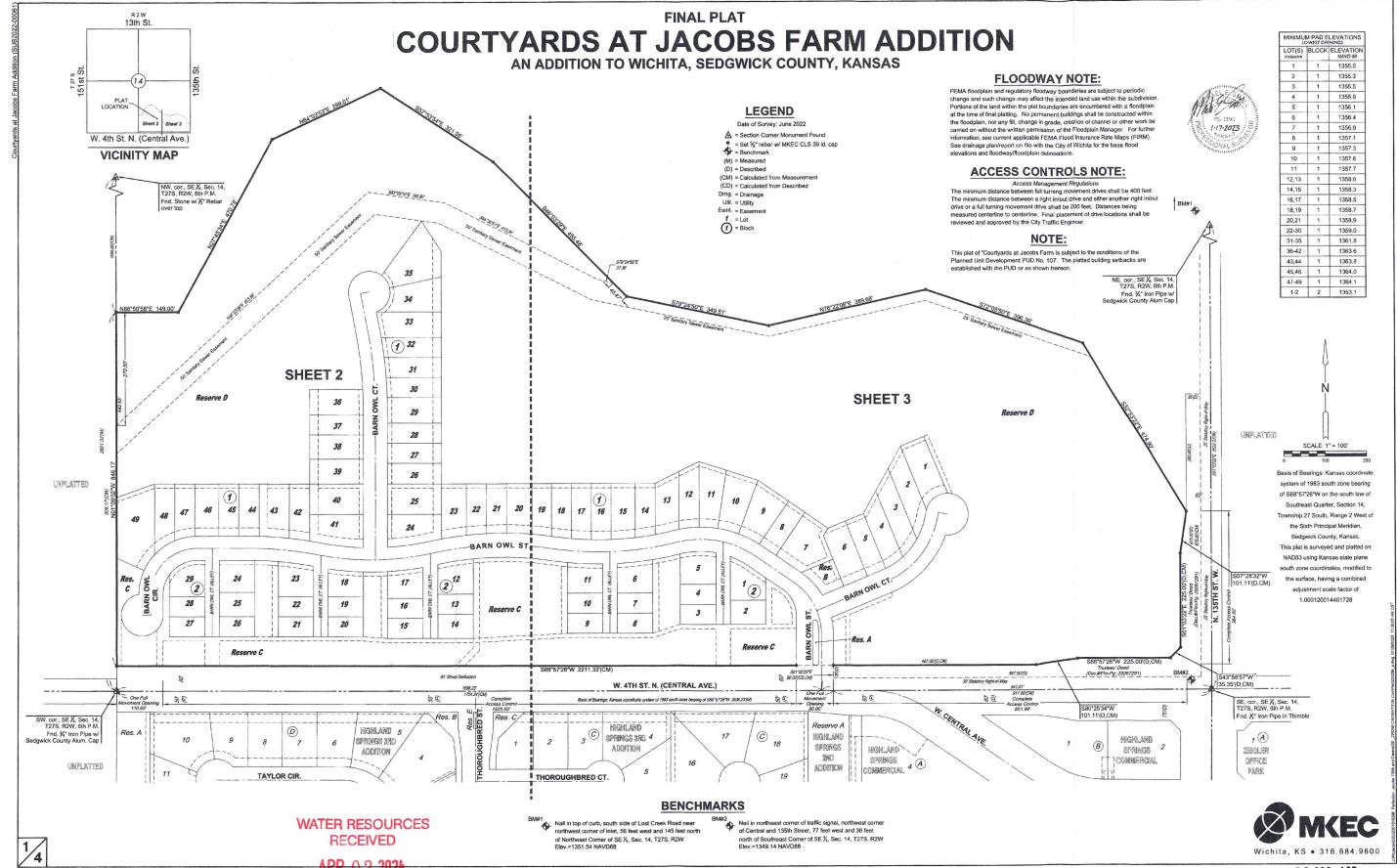
CITY ENGINEER

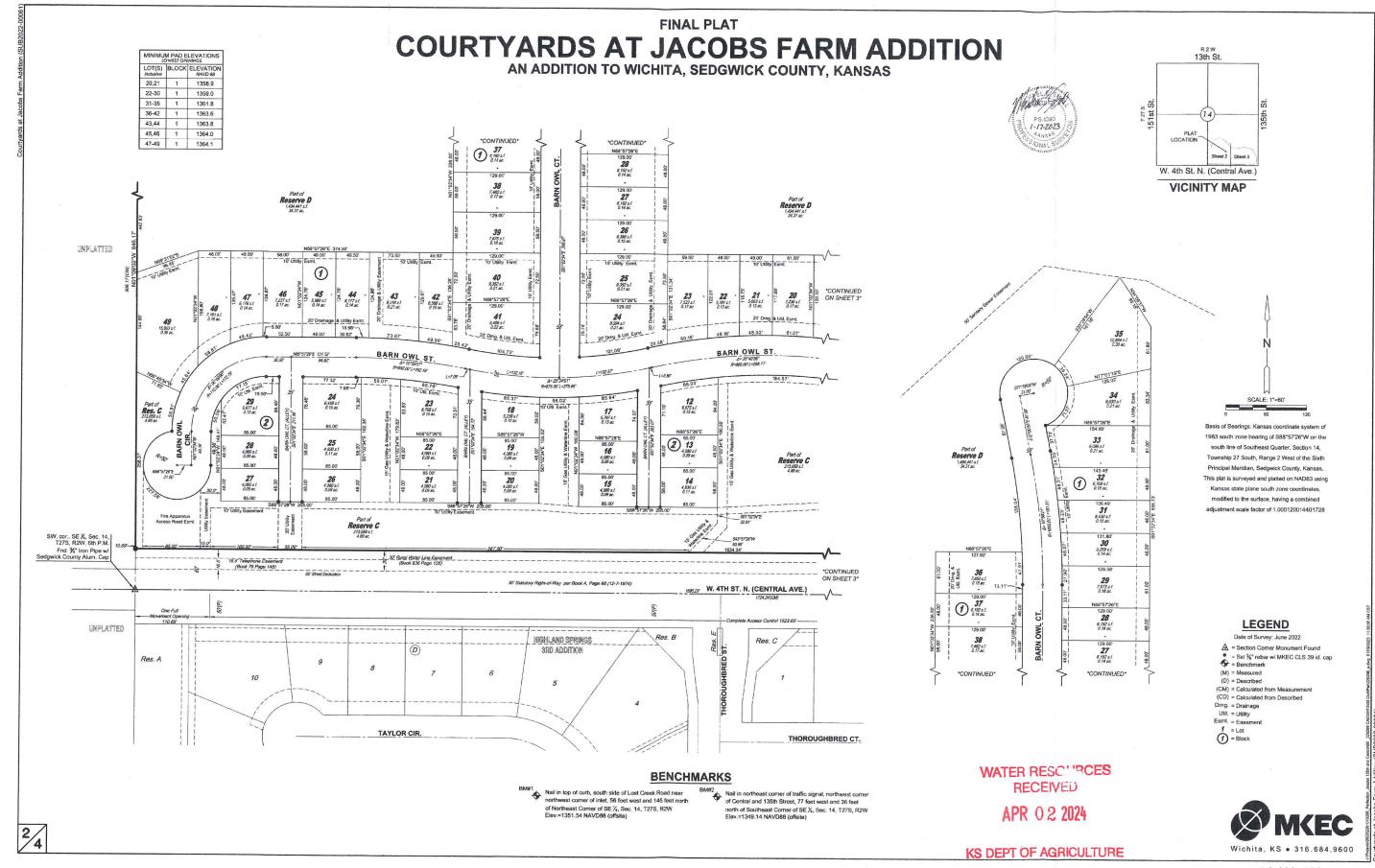
GARY JANZEN, P.E.

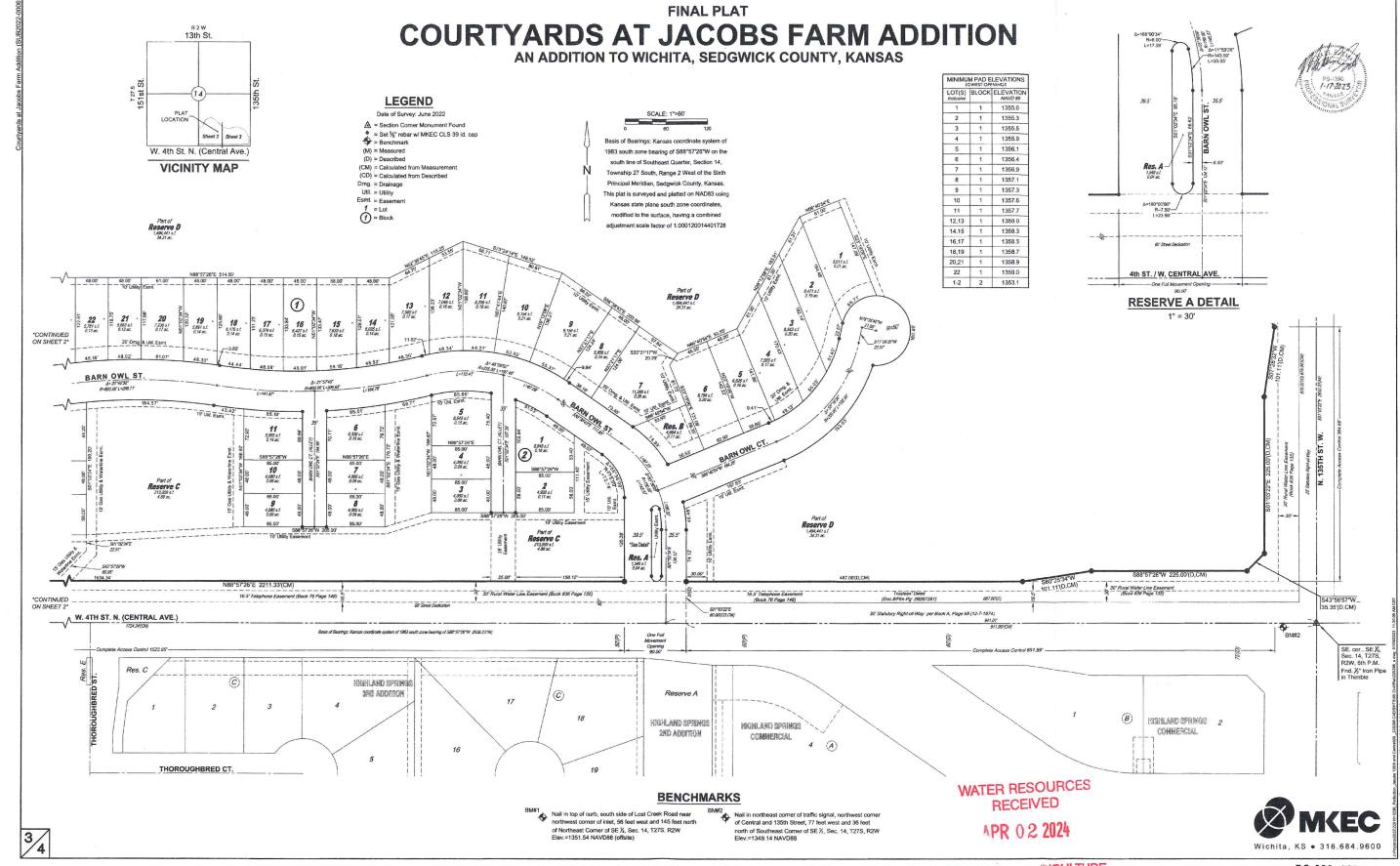
PROJECT NUMBER OCA NUMBER DATE
458-2023-085532 #### JULY 2023

CITY ENGINEER'S OFFICE SHEET

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







FINAL PLAT

COURTYARDS AT JACOBS FARM ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

CERTIFICATE OF SURVEY

I, Michael E. Small, a Professional Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "COURTYARDS AT JACOBS FARM ADDITION" an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, Reserves, Streets, and Alleys, the same being accurately set forth in the

A tract of land lying in the Southeast Quarter of Section 14, Township 27 South, Range 2 West of the 6th P.M., Sedgwick County, Kansas, said tract of land being described on follower:

COMMENCING at the southeast corner of said Southeast Quarter; thence along the south line of said Southeast Quarter on a Kansas coordinate system of 1983 south zone bearing of S88"57"26"W, 911.99 feet to the POINT OF BEGINNING; thence continuing along said south line, S88"57"26"W, 1724 24 feet to the southwest corner of said Southeast Quarter, thence along the west line of said Southeast Quarter, N01"0901"W, 906.17 feet; thence N88"50"58"E, 149.00 feet; thence X27"45"34"E, 470.78 feet; thence N86"035"E, 289.01 feet; thence S57"5354"E, 321.95 feet; thence S46"0329"E, 455.48 feet; thence S79"2450"E, 349.51 feet; thence N76"2208"E, 389.68 feet; thence S72"0550"E, 396.39 feet; thence S27"0550"E, 396.39 feet; thence S27"050"E, 289.01 feet; S01°03'22"E, 60.00 feet to the POINT OF BEGINNING.

CONTAINS: 2.558.119 square feet or 58.73 acres, more or less.

All streets, easements, rights-of-way, building setbacks, access controls, together with a Permanent Drainage Easement recorded on Doc.#/Fim-Pg: 29267292, together with all other public dedications within the above described property are hereby vacated and replatted by virtue of K.S.A. 12-512b, as amended.

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 17th day of 3023.

Michael E. Small, P.S. #1390 MKEC Engineering, Inc. (CLS 39) 411 North Webb Road Wichita, Kansas 67206



OWNER'S CERTIFICATE

Know all men by these presents that we the undersigned property owners of the land above set forth in the Professional Surveyor's Certificate, have caused the same to surveyed and platted into Lots, Blocks, Reserves, Streets, and Alleys, the same to be known as "COURTYARDS AT JACOBS FARM ADDITION" an addition to Wichita, al Surveyor's Certificate, have caused the same to be

The streets and alleys are hereby dedicated to and for the use of the public. Streets with 58 feet of public street right-of-way shall have a 29-foot roadway width (back of curb to back of curb). Public alleys shall be designed to a public standard or as specified herein, installed publicly and maintained privately thereafter upon satisfaction of public infrastructure projects. The alley rights-of-way width are platted at 35 feet and shall have a pavement width of 20-foot (without curb and gutters). Alleys with T-intersections infrastructure projects. The alley rights-of-way width are platted at 35 feet and shall have a pawement width of 20-foot (without curb and gutters). Alleys with T-intersections shall have widened sections of pawement accommodating for standard trash trucks and emergency response vehicles. Alleys shall be kept open for the free-flow of traffic and/or public service vehicles, as such no gates are allowed that would prohibit the free-flow of traffic. It is necessary for the alleys to be built publicly due to the following: Alleys shall be used by public for access to ingress and egress to public streets, for franchise utility access and long-term maintenance of franchise equipment, for access of fire and emergency response services, for the construction of public sweer systems, for the construction of public drainage systems (inverted flume), and due to the public's interest in seeing all of such life and safety support systems it is necessary that the public ensure these facilities are built and inspected publicly to meet the life and safety standards. Maintenance of the alleys after initial construction shall be the responsibilities of the developer, and/or a lot owner's association and/or their successors and/or assigns. The developer shall file a Covenant with specific pertinent language requiring that the Homeowners' Association to maintain the alleys in accordance with the Final Plat, City Code, and City standards, including but not limited to, repair of the alley pawement damaged by utility cuts of perform repair or maintenance of sanitary sewer. The Covenant shall further provide that if the City is required to maintain the alleys due to a failure of the Homeowners' Association to perform such obligations, the developer and/or Homeowners' Association to perform such obligations, the developer and/or Homeowners' Association to perform such obligations, the developer and/or Homeowners' association to perform such obligations, the developer and/or Homeowners' association to perform such obligations, the devel Association shall pay promptly the costs expended by the City, and if the costs are not paid within thirty (30) days of the rendering of an account, the costs shall be considered an assessment against all lots in the Addition, and shall be considered a lien thereon and be treated in the same manner as a special assessment, per the recitals of said

Easements for the construction and maintenance of drainage, utilities, waterline, and sanitary sewer, as indicated hereon or if any, are hereby granted to the public. No sign, light poles, private drainage systems, berms, walls, masorry trash enclosures or other structures shall be located within public utility easements unless permitted by the City of Wichita Department of Engineering and that they do not inhibit the conveyance of surface drainage. Easements by separate instrument shall be obtained for the extension of utilities to service lots with the design and construction of said infrastructure. The fire apparatus road easement, as indicated hereon is hereby granted for the use of ingress

Each Lot where abutting and adjoining another lot line shall provide a minimum of a 6-foot maintenance and access easement for zero-lot line dwellings and for the benefit of the adjoining owner(s), their successors and assigns, and/or their agents, and emergency personnel. The maintenance access easements are hereby platted for the purpose of pedestrian emergency access, residence construction and residence maintenance, the extension of the footings, and for a 2-foot overhang of the structures on the adjoining lot

All abutters rights of access to or from West Central Avenue over and across the south line of "COURTYARDS AT JACOBS FARM ADDITION," are hereby granted to the appropriate governing body, provided however two full movement. All abutters rights of access to or from North 135th Street West over and across the east line of "COURTYARDS AT JACOBS FARM ADDITION," are hereby granted to the appropriate governing body. The fire apparatus access road surface, gating apparatus and sign installation shall meet the minintum standards for a Fire Apparatus Access Road required by the City of Wichita Fire Department. The Developer shall be responsible for the installation of the surface, gating apparatus and sign within the fire apparatus access road. The Lot Owners Association shall be responsible for the continued maintenance of the fire apparatus access road. The City of Wichita is hereby granted the right to enter upon such premises at any time for the purposes of constructing, maintaining, and

Reserves A, B, C, and D are platted for open space, benches, berms, landscaping, irrigation, signs, monuments, water features, sidewalks (public and private), fences/walls, lighting, shade structures, drainage facilities, including but not limited to drainage structures, drainage pipes and culverts, conveyance of cross-lot drainage, utilities confined by easement (platted or otherwise separate instrument), utility service lines and connections, and parking confined by easement (platted or otherwise separate instrument). Reserve B is also platted for private neighborhood amentiles, including but not limited to clubhouse, sport courts, shade structures/gazebos, and neighborhood gardens. Reserve D is also platted for detention/retention ponds and floodplain uses defined as any land area susceptible to being inundated by floodwaters from any source. Reserves A, B, C, and D are hereby reserved for the stated uses and shall be owned and maintained by the developer, and/or a homeowner's association, and/or their successors and/or assigns. Compliance with any platted restrictions and applicable restrictive covenants affecting said Reserves shall be binding on any owners, successors, heirs or assigns. No regrading within abutting rights-of-way shall be allowed with the construction of the berms allowed within said Reserves.

OWNER'S CERTIFICATE (cont.)

A master drainage plan has been developed for this plat. All drainage easements, rights-of-way, and reserves shall remain at established grades (unless modified with the approval of the City Engineer) and shall be unobstructed to allow for the conveyance of stormwater in accordance with the Stormwater Manual. The maintenance of all drainageways and drainage facilities in backyard drainage easements and reserves shall be the responsibility of the property owner, and shall be enforced by the Homeowners' Association and be provided for in the Homeowners' Association covenants. The property owner shall provide a copy of the Individual Lot Grading Plan and the Individual Lot Grading Plan Certificate pertaining to such owner's lot to any person installing a lawn, landscaping, fencing, or other improvements or structures and require them to maintain the grade levels shown on the Individual Lot Grading Plan Certificate. Lots 1-49 (inclusive), Block 1, and Lots 1 and 2, Block 2 are required to adhere to the minimum pad elevation as per the "Minimum Pad Elevation" tables shown hereon.

FEMA floodplain and regulatory floodway boundaries are subject to periodic change and such change may affect the intended land use within the subdivision. Portions of the land within the plat boundaries are encumbered with a floodplain at the time of final platting. No permanent buildings shall be constructed within the floodplain, nor any fill, change in grade, creation of channel or other work be carried on without the written permission of the Floodplain Manager. For further information, see current applicable FEMA Flood Insurance Rate Maps (FIRM). See drainage plan/report on file with the City of Wichita for the base flood elevations and floodway/floodplain delineations.

The property is within a zone identified by the City Engineer's office as likely to have groundwater at some or all times within ten feet of the ground surface elevation. Building with specially engineered foundations or with the lowest floor opening above groundwater is recommended and owners seeking building permits on this property will be similarly advised. More detailed information on recorded groundwater elevations in the vicinity of this property is available in the City Engineer's office.

This plat shall comply with the recitals of the Jacobs Farm Planned Unit Development Plan No. 107 on file at the Wichita-Sedgwick County Planning

Perfection Signature Properties, LLC. a Kansas limited liability company

Scott A. Lehner, Chief Executive Manager/Member

STATE OF KANSAS, SEDGWICK COUNTY) ss:

, 2023, by Scott A. Lehner, as Chief Executive Manager/Member and

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written

JULIE A BAKER

plie O. Bales , Notary Public

My Term Expires: 4-25-26

MORTGAGE CERTIFICATE

LEGACY BANK, holder of a mortgage on the above described property, does hereby consent to the "COURTYARDS AT JACOBS FARM ADDITION" final plat. LEGACY BANK

en Suellentrop, President/CEO

STATE OF KANSAS, SEDGWICK COUNTY) ss:

This instrument was acknowledged before me on this 13 day of 5 and Gry_, 2023, by Steven Suellentrop, President/CEO of LEGACY BANK.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

PLANNING COMMISSION CERTIFICATE

This plat of "COURTYARDS AT THE JACOBS FARM ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Area Planning

Dated this 15 day of Decembers. 2022

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION,

SEAL

WATER RESOURCES RECEIVED

APR 02 2024

GOVERNING BODY CERTIFICATE

This plat approved and all dedications shown hereon, accepted by the Wichita City Council of the City of Wichita, Kansas dated this $\boxed{4}^{\text{th}}$ day of $\boxed{\text{February}}$, 2023.

At the direction of the City Council.

Brandon J. Whipple, Mayor

REGISTER OF DEEDS' CERTIFICATE

STATE OF KANSAS, SEDGWICK COUNTY) ss:

This is to certify that this instrument was filed for record in the Register of Deeds office this , 2023, at jo: 46:17 o'clock AM; and is duly recorded.

TRANSFER RECORD

STATE OF KANSAS, SEDGWICK COUNTY) ss Entered on transfer record this 218 day of February , 2023.



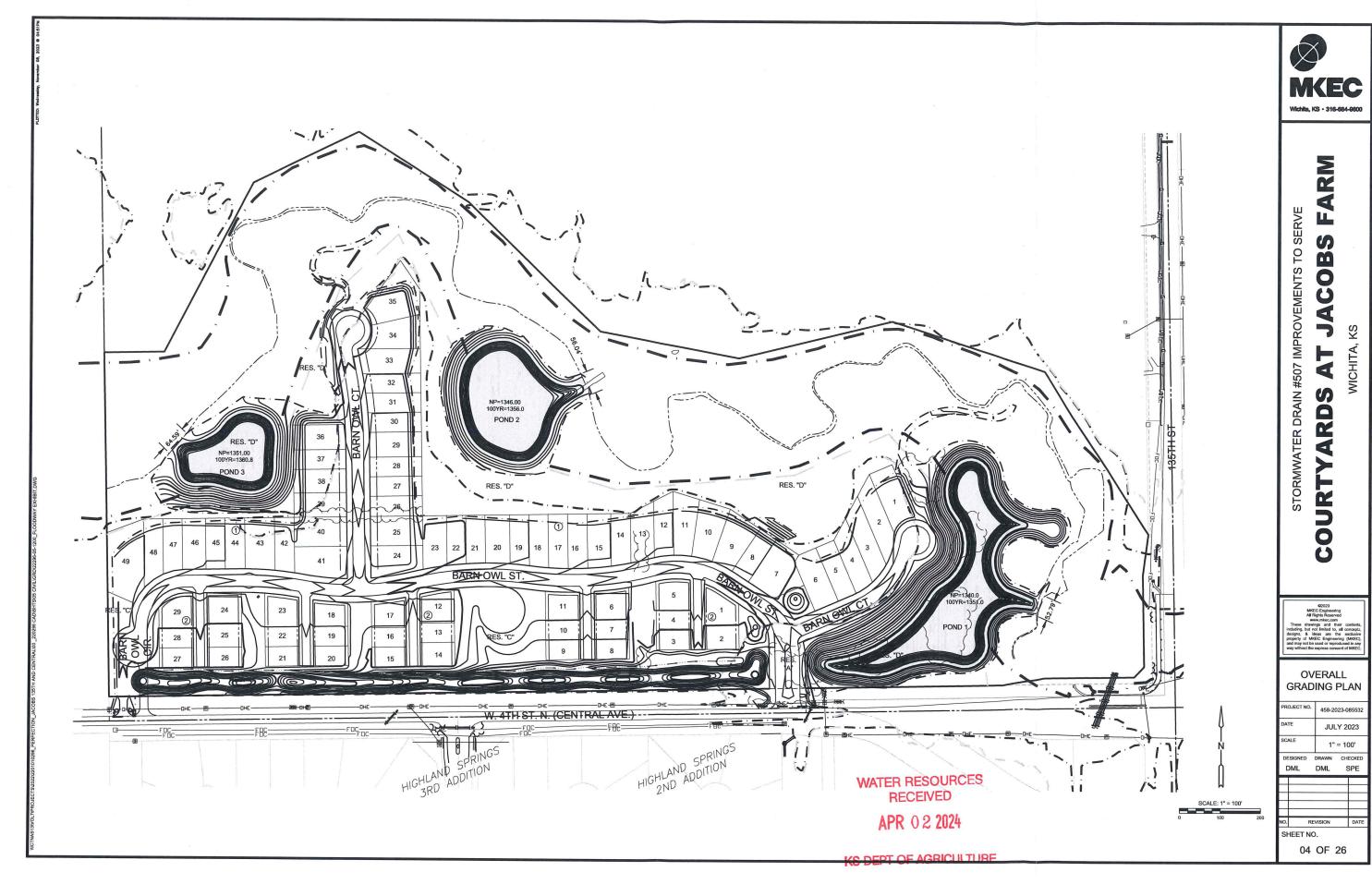
COUNTY SURVEYOR

STATE OF KANSAS, SEDGWICK COUNTY) ss:

Reviewed in accordance with K.S.A. 58-2005 on this Hong day of January, 2023.

Tricia L. Robello, P.S. #1246

PS-1246





PROJECT N	O. 458-2023	458-2023-085532		
DATE	JULY	JULY 2023		
SCALE	1" =	1" = 100'		
DESIGNED DML	-	DRAWN CHECKED		

