

**LEGEND**

---	PROPERTY LINE
---	FULL DEPTH SAWCUT
○	PARKING STALL COUNT
⊕	TRANSFORMER PAD
⊙	PROPOSED WATER METER
●	EXISTING TREE
- - -	PROPOSED LIMITS OF CONSTRUCTION

**KEYNOTE LEGEND**

A	PROPOSED CONCRETE SIDEWALK (REFERENCE ARCH PLANS FOR STAMP IN-LAY)
B	ADA ACCESSIBLE CURB RAMP
BA	ADA ACCESSIBLE RAMP
C	PROPOSED 6" CURB
CA	PROPOSED FADE-OUT CURB
CB	PROPOSED NO-CURB
D	ACCESSIBLE PARKING SPACE (TYP.)
E	ADA ACCESSIBLE SIGN (TYP.) (REF ARCH PLAN FOR DETAIL)
F	90 DEGREE 9'X18" PARKING SPACE (TYP.) [4" WIDE WHITE PAINTED STRIPE (TYP.)]
G	PROPOSED BOLLARDS
H	HORSESHOE IN-LAY (REF. ARCH PLAN FOR DETAIL)
I	PROPOSED GREASE TRAP (BY OTHERS)
J	PROPOSED 1" IRRIGATION METER
K	PROPOSED 2" WATER METER
L	PROPOSED FIRE HYDRANT
M	PROPOSED FDC
N	PROPOSED SANITARY SEWER CLEANOUT
O	PROPOSED SANITARY SEWER MANHOLE
P	EXISTING SANITARY SEWER MANHOLE
Q	PROPOSED CATCH BASIN
R	LANDSCAPE AREA
S	PROPOSED DUMPSTER ENCLOSURE W/ GATES (REFERENCE ARCHITECTURE PLAN FOR DETAILS)
T	PROPOSED TRANSFORMER PAD (REFERENCE LANDSCAPE PLAN FOR SCREENING)
U	STAMPED FLAGSTONE PAVEMENT (REFERENCE ARCHITECTURE PLAN FOR DETAIL)
V	PROPOSED WHEEL STOP
W	PROPOSED LANDSCAPE DRAIN
X	PROPOSED ACCESSIBLE PARKING TO-GO SIGNAGE
Y	PROPOSED GAS METER
Z	PROPOSED 4" CONC. FLUME
AA	PROPOSED MONUMENT SIGN
AB	PROPOSED FIRE SERVICE VAULT

- GENERAL NOTES**
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - DIMENSIONS SHOWN FOR BUILDING CORNERS ARE APPROXIMATE OUTER BUILDING ENVELOPE FOR THE PURPOSES OF GRADING. CONTRACTOR SHALL USE ARCHITECT'S STRUCTURAL SLAB PLANS FOR FORM BOARD STAKING AND CONTRACTOR SHALL PROVIDE A FORM BOARD SURVEY, FOR APPROVAL BY THE OWNER, PRIOR TO POURING BUILDING SLABS.
  - THE CONTRACTOR FOR THE PROJECT SHALL NOT PLACE ANY PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, OR ANY OTHER UNDERGROUND UTILITY HAS BEEN INSTALLED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACEMENT OF PERMANENT PAVEMENT.
  - ALL SIDEWALKS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. SIDEWALKS ALONG COLLECTORS AND ARTERIALS WILL BE CONSTRUCTED WITH THIS PROJECT AND WILL BE CONSIDERED AS PART OF FINAL ACCEPTANCE.
  - ALL COMPACTIONS SHALL BE PERFORMED AS SET FORTH IN THE TECHNICAL SPECIFICATIONS. ALL TESTING LABORATORY EXPENSES SHALL BE PAID FOR BY THE CONTRACTOR.

**SITE DATA SUMMARY TABLE**

PROPOSED USE	RESTAURANT	
LEGAL DESCRIPTION	LOT 1, PARCEL 10 BLOCK A, WICHITA DESTINATION DEVELOPMENT	
ZONING	PD, PLANNED DEVELOPMENT	
PROPOSED USE	COMMERCIAL / RESTAURANT	
SITE AREA	77,291 SQ. FT.	1.77 AC.
BUILDING AREA	7,832 SQ. FT.	10.1 %
FLOOR AREA RATIO	0.101 : 1	
BUILDING HEIGHT	25' - 0"	
	PROVIDED	REQUIRED
TOTAL PARKING	113 SPACES	1 SPACE / 3 SEATS 276 SEATS
ACCESSIBLE SPACES	5 SPACES	92 SPACES 4 SPACES

**BENCHMARKS**

BM #1: 1" CUT ON THE NORTH CORNER OF A CONCRETE TRAFFIC SIGNAL MANHOLE, ON THE SOUTHEAST CORNER OF THE INTERSECTION OF GREENWICH COURT AND GREENWICH. ELEV= 1372.56'

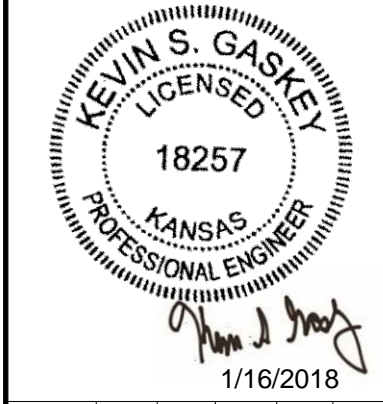
BM #2: SQUARE CUT ON THE 2ND CURB INLET WEST OF FIRST ROUND-A-BOUT, ON THE SOUTH SIDE OF GREENWICH COURT. ELEV= 1370.97'

IMAGES: Kimley-Horn & Associates, Inc. © 2018  
 PLOTTED BY: KIMLEY-HORN & ASSOCIATES, INC. 1/16/2018 10:24 AM  
 DWG NAME: 2624 N. GREENWICH ROAD WICHITA KS CAD PLAN SHEET-SC SITE PLAN.DWG  
 THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

No.	REVISIONS	DATE	BY

**Kimley-Horn**

13455 NOEL ROAD, SUITE 700, DALLAS, TEXAS  
 PHONE: 972-770-1300 FAX: 972-239-9820  
 KANSAS REGISTERED ENGINEERING FIRM E-480



PROJECT No. 0608144  
 DATE: JAN. 2019  
 SCALE: AS SHOWN  
 DESIGNED BY: MM  
 DRAWN BY: RNI  
 CHECKED BY: JGM

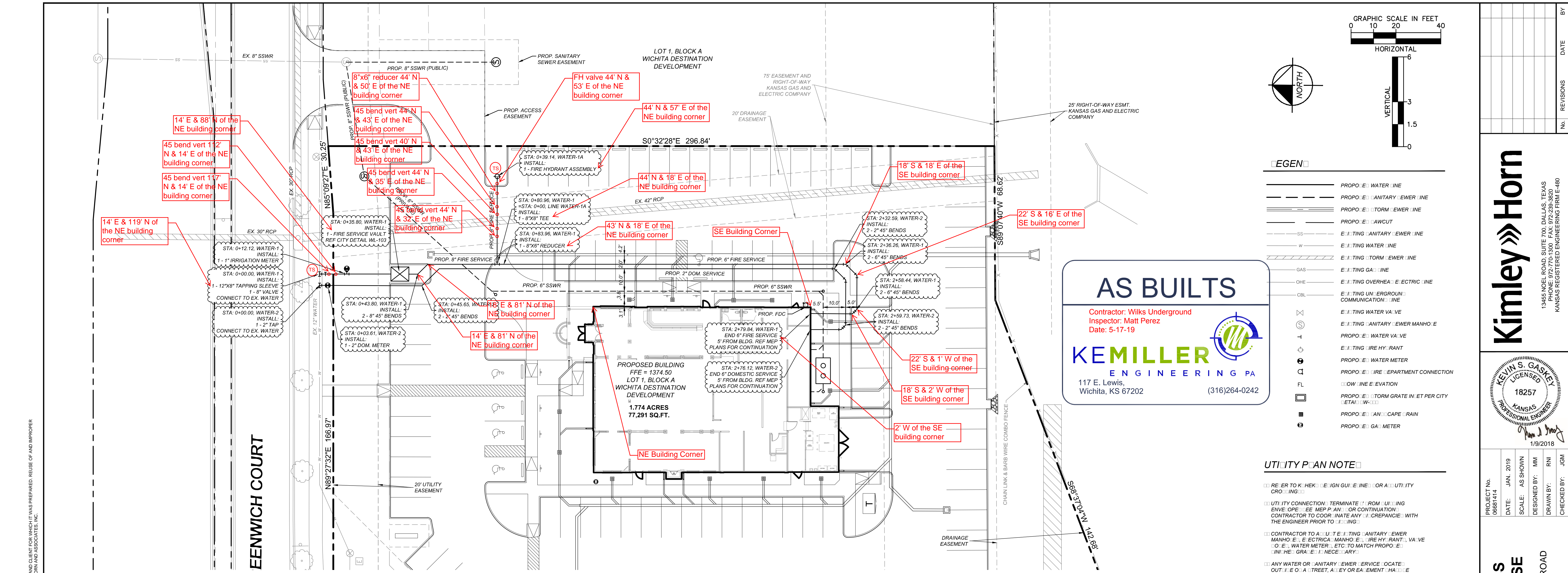
**SALT RASS STEAKHOUSE**

2624 N. GREENWICH ROAD  
 WICHITA, KS

**SITE PLAN**

SHEET NUMBER  
**PPW-0.1**

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**AS BUILTS**

Contractor: Wilks Underground  
Inspector: Matt Perez  
Date: 5-17-19

**KEMILLER ENGINEERING PA**  
117 E. Lewis,  
Wichita, KS 67202 (316)264-0242

**LEGEND**

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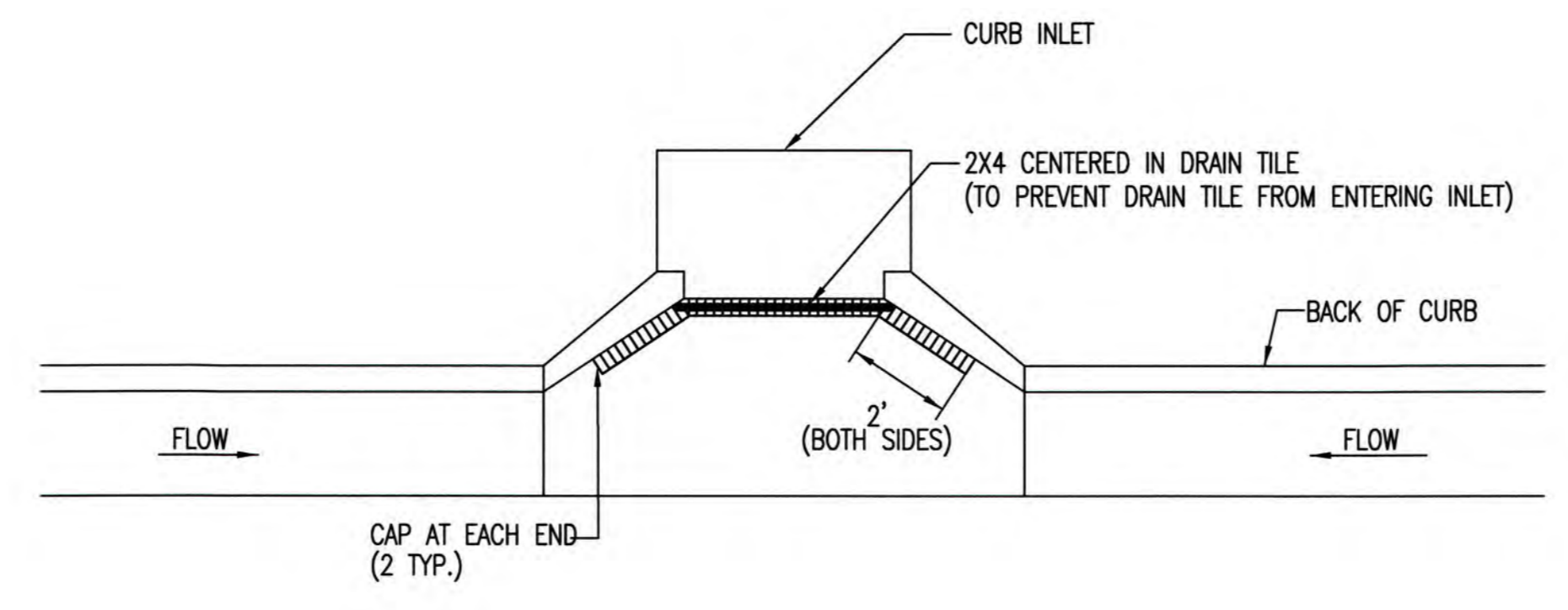


- GENERAL NOTES**
- EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
  - EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
  - AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE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

**BACK OF CURB PROTECTION DETAIL**

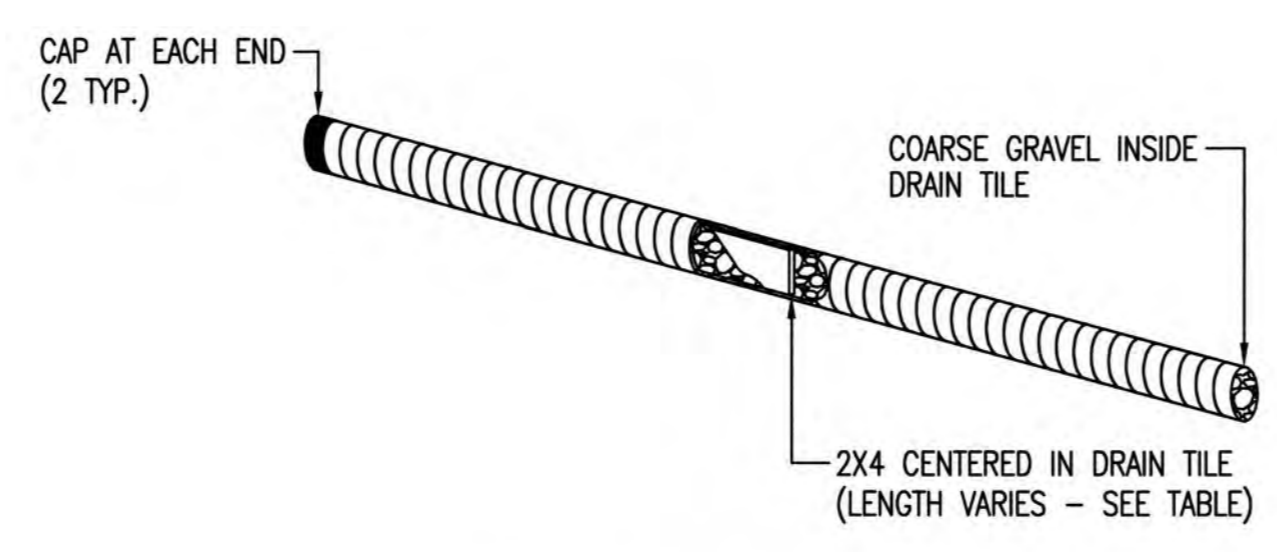


**DETAILS FOR APPROVED EROSION CONTROL MAT**

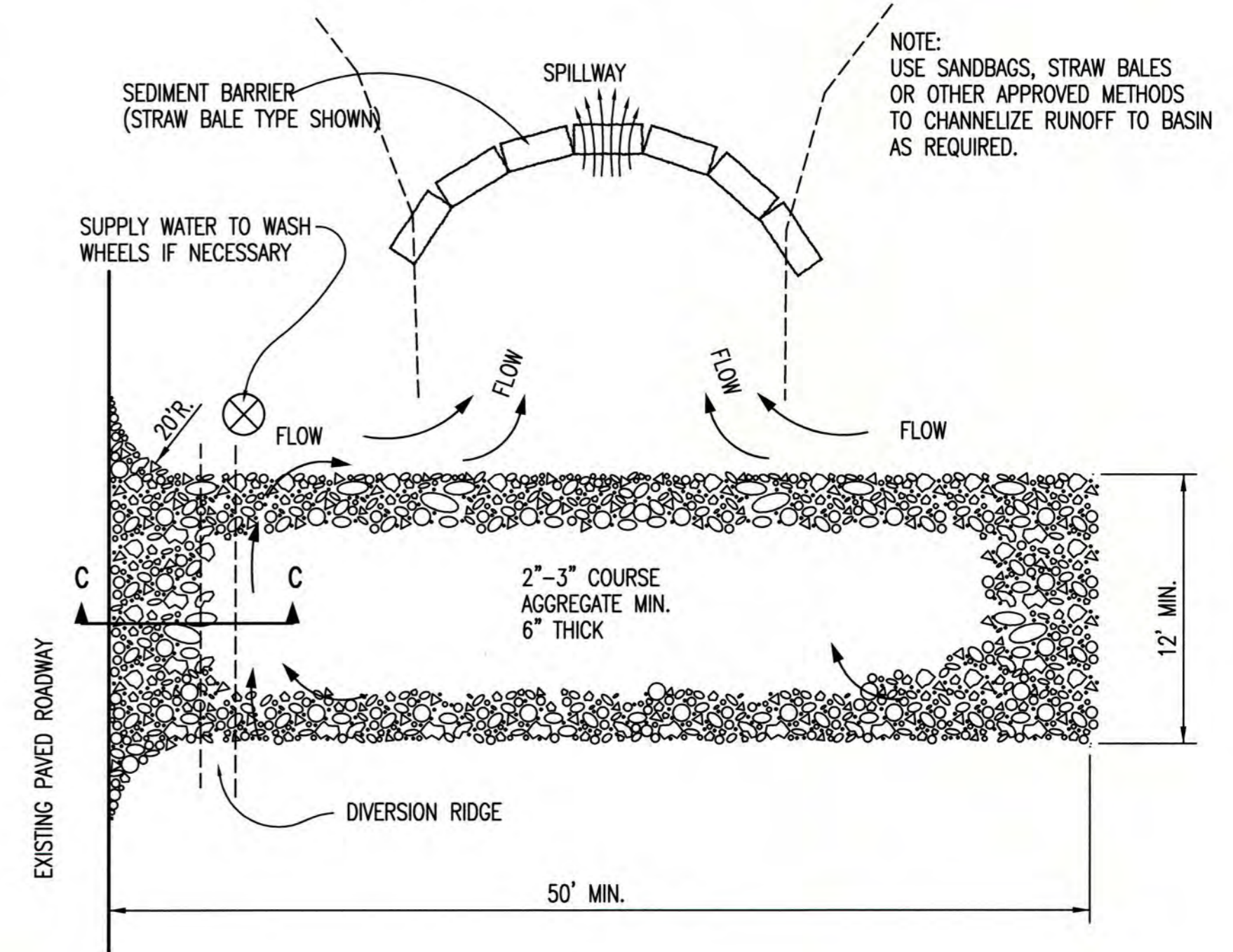
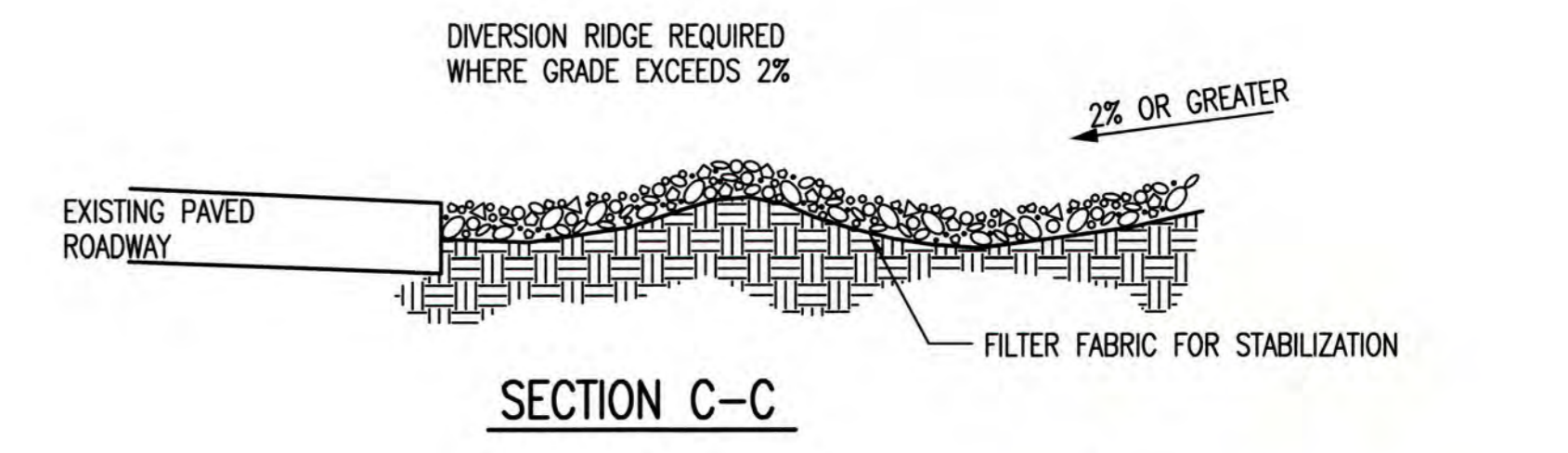


NOTE: PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"-1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

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



**CURB INLET PROTECTION**  
4" PERFORATED PIPE W/ GRAVEL



**STABILIZED CONSTRUCTION ENTRANCE**

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

REVISION DATE: MAY 2013



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

CITY ENGINEER <b>GARY JANZEN, P.E.</b>		
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 <b>C 4.1</b>



**ELEVATION**  
**SILT FENCE DITCH CHECKS**  
(STREAM PROTECTION)

**MATERIAL SPECIFICATION:**

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

**PLACEMENT:**

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

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

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

**PROPER INSTALLATION METHOD:**

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE. ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH. PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE OF THE TRENCH. LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN 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 UPSLOPE SIDE 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 24". PLACE POSTS NO MORE THAN 4' APART. ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

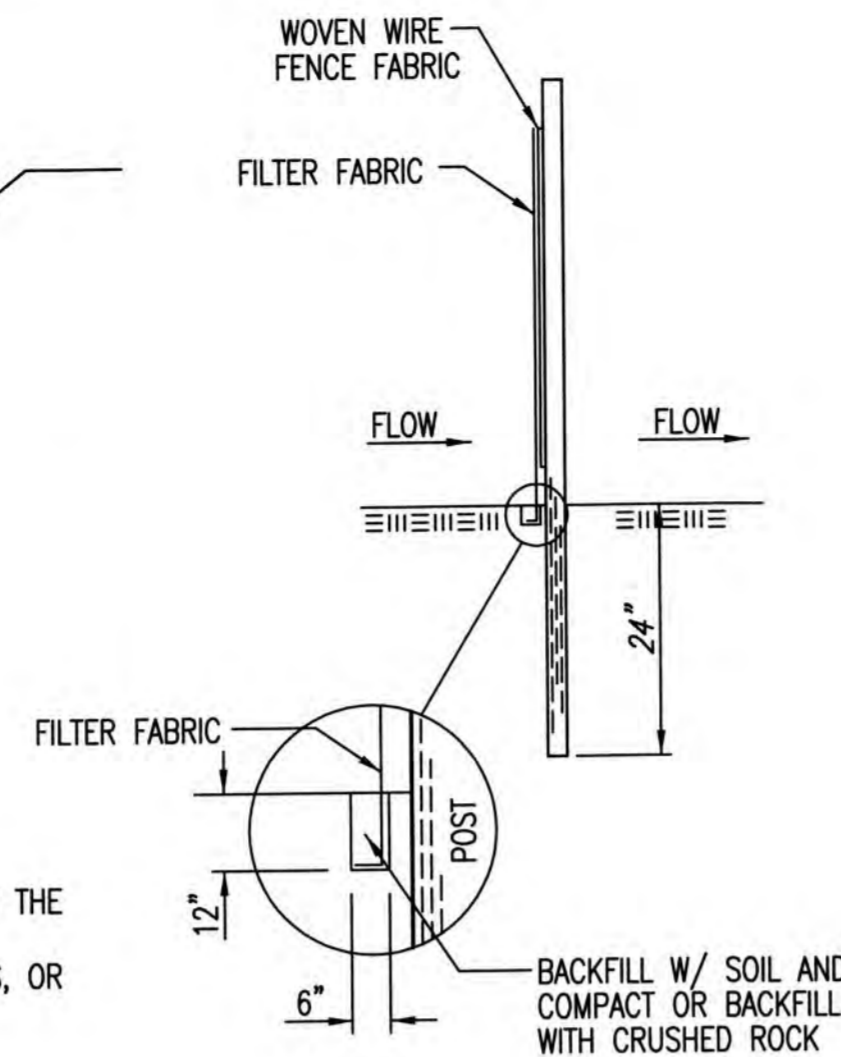
**LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:**

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

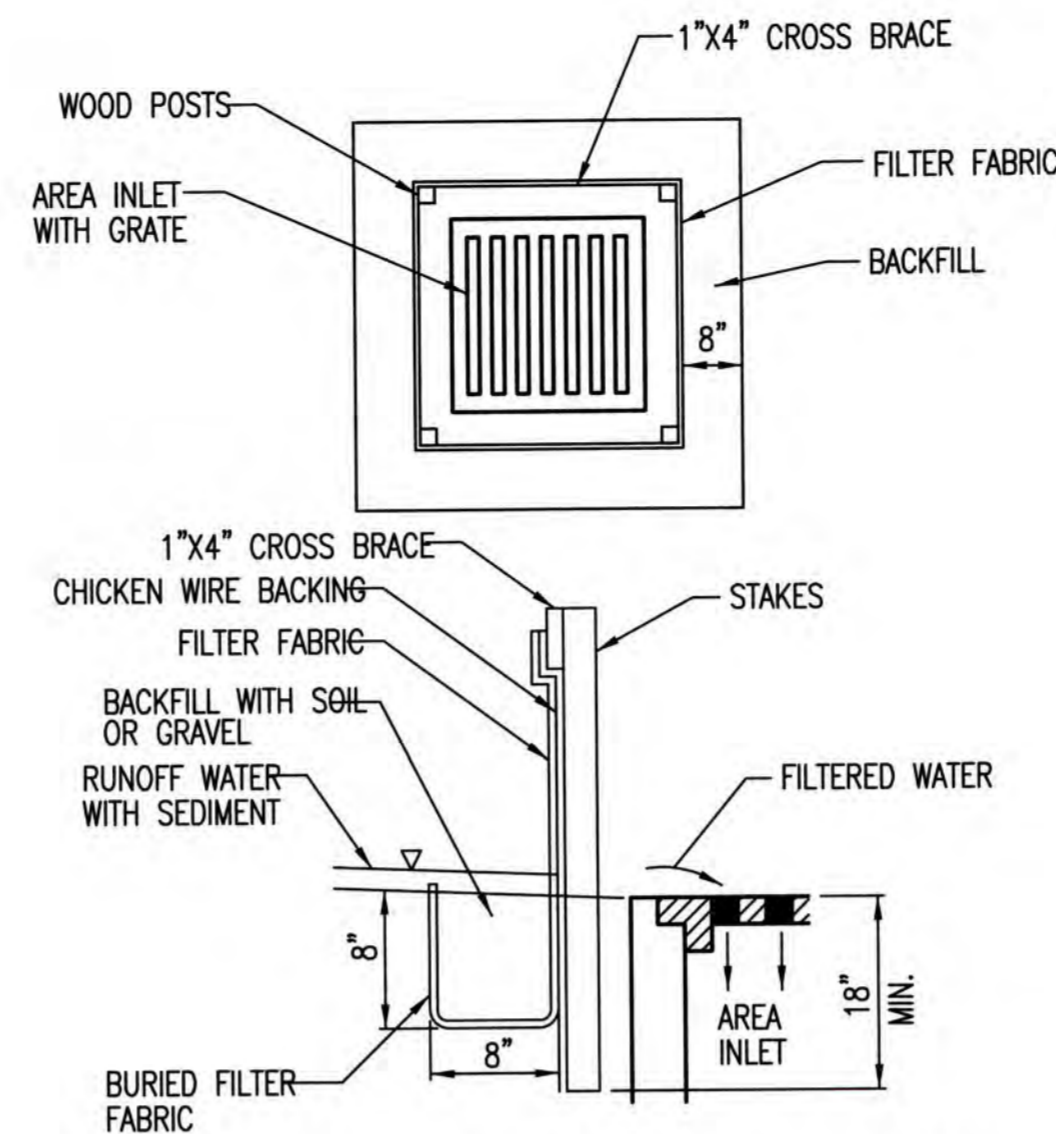
**INSPECTION AND MAINTENANCE:**

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

- DOES WATER FLOW AROUND THE DITCH CHECK?
- DOES WATER FLOW UNDER THE DITCH CHECK?
- DOES THE SILT FENCE SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



**ANCHOR TRENCH DETAIL**



**SILT FENCE BARRIERS FOR AREA INLETS**  
(INLET PROTECTION)

**MATERIAL SPECIFICATION:**

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

**PLACEMENT:**

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

**PROPER INSTALLATION METHOD:**

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

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

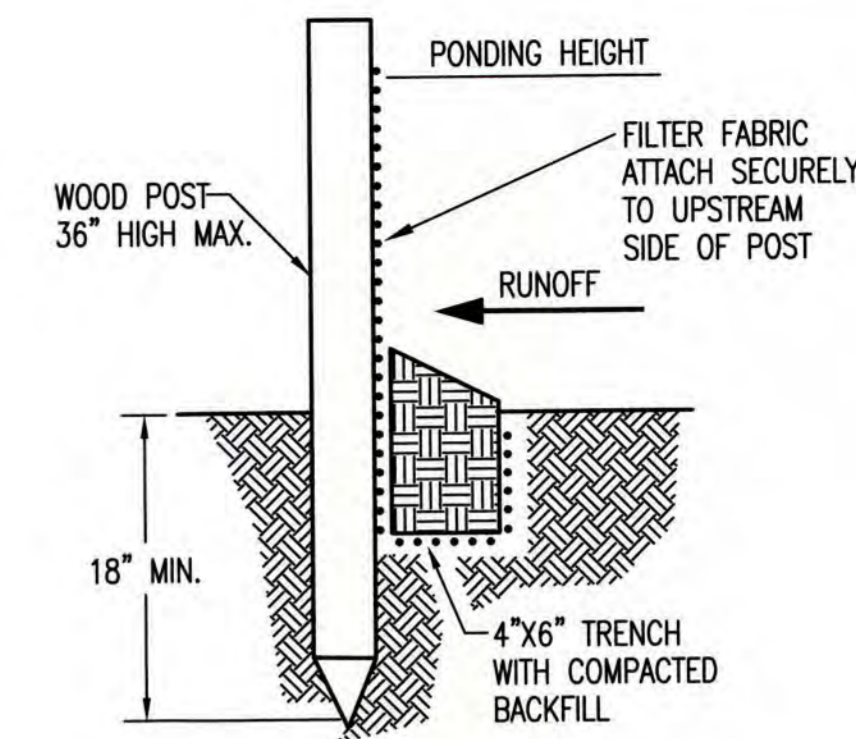
**LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:**

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

**INSPECTION AND MAINTENANCE:**

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

- DOES WATER FLOW UNDER THE SILT FENCE?
- DOES THE SILT FENCE SAG EXCESSIVELY?
- HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



**SILT FENCE BARRIERS**

**MATERIAL SPECIFICATION:**

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

**PLACEMENT:**

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT. WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

**PROPER INSTALLATION METHOD:**

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

**LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:**

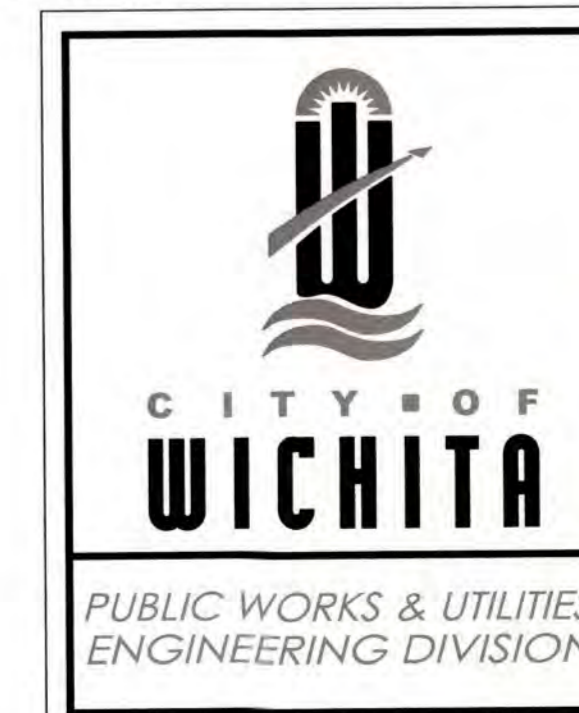
WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES. DO NOT PLACE SILT-FENCE POSTS ON THE UPSLOPE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

**INSPECTION AND MAINTENANCE:**

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

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

REVISION DATE: MAY 2013



**SILT FENCE DITCH CHECK AND BARRIER DETAILS**

CITY ENGINEER  
**GARY JANZEN, P.E.**

PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		
SHEET		<b>C 4.2</b>



**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".

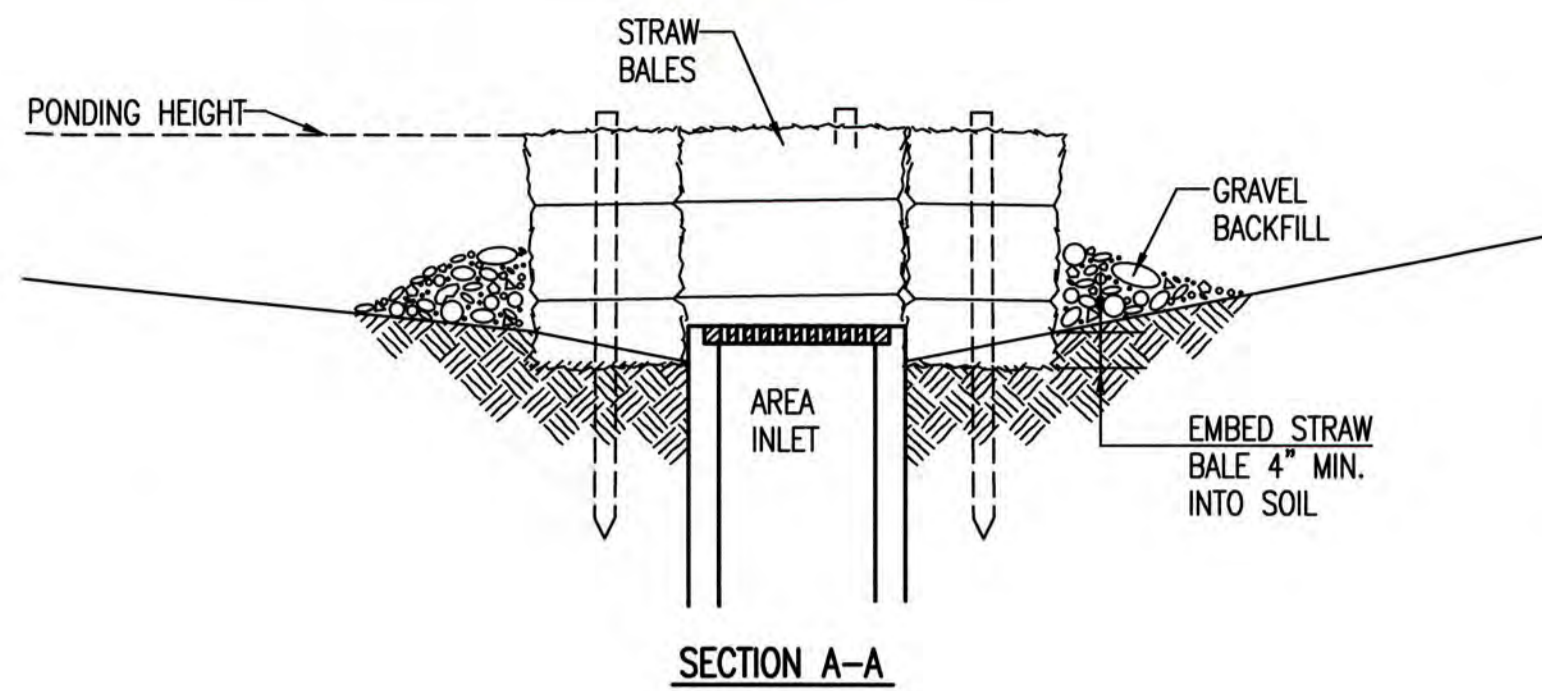
**LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:**

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?



**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.

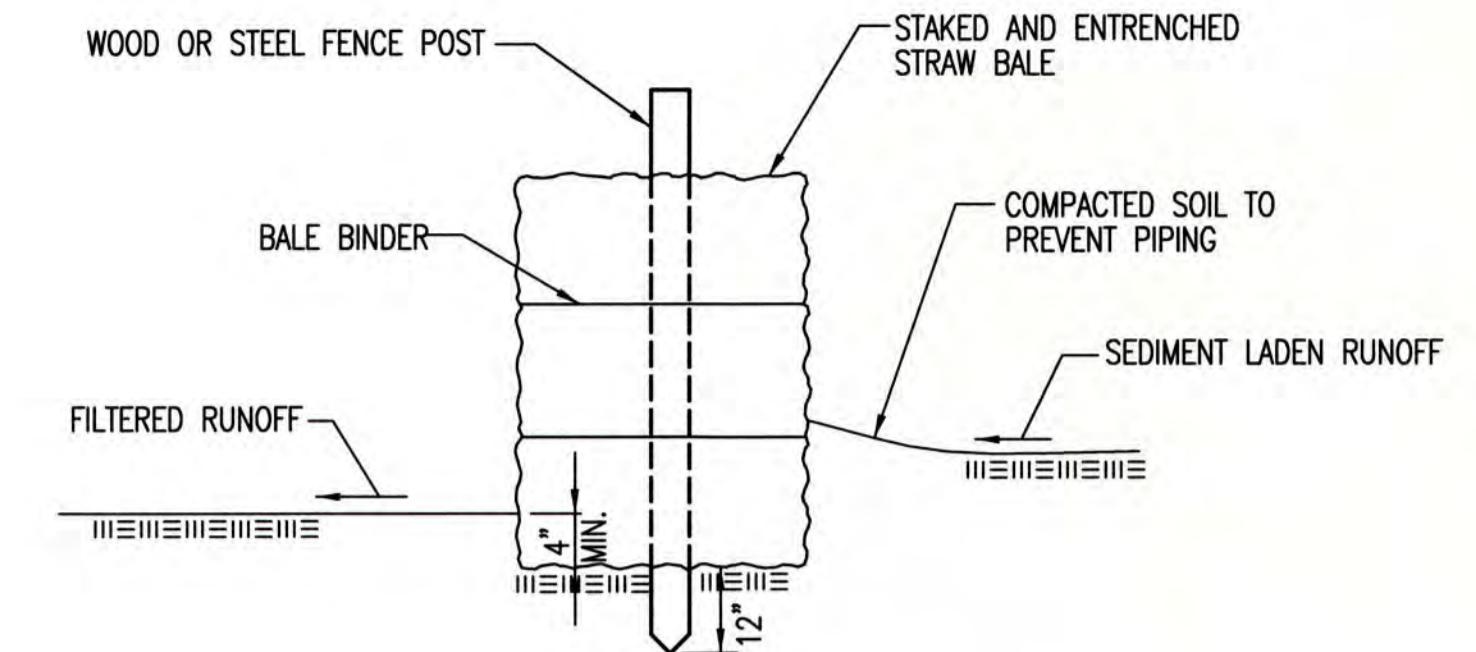
**LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:**

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 OF 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



<p><b>CITY OF WICHITA</b> PUBLIC WORKS &amp; UTILITIES ENGINEERING DIVISION</p>			<b>STRAW BALE DITCH CHECK AND BARRIER DETAILS</b>		
			CITY ENGINEER <b>GARY JANZEN, P.E.</b>		
PROJECT NUMBER	OCA NUMBER	DATE	SHEET <b>C 4.3</b>		
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501					

5. The Land is described as follows:

All that part of Lot 1, Block A, WICHITA DESTINATION DEVELOPMENT, an addition to the City of Wichita, Sedgwick County, Kansas, being more particularly described as follows:

Beginning at the Southwest corner of said Lot 1; thence North 00 degrees 43 minutes 06 seconds West, along the West line of said Lot 1, a distance of 49.41 feet; thence North 00 degrees 32 minutes 43 seconds West, continuing along said West line, 246.20 feet; thence along the Southerly right-of-way line of Greenwich Court, as it now exists, the following three courses: thence North 44 degrees 27 minutes 32 seconds East a distance of 70.51 feet; thence North 89 degrees 27 minutes 32 seconds East a distance of 166.97 feet; thence North 85 degrees 09 minutes 27 seconds East a distance of 30.25 feet; thence departing said Southerly right-of-way line, South 00 degrees 32 minutes 28 seconds West a distance of 296.84 feet to a point on the Northerly right-of-way line of K-96 Highway, as it now exists; thence South 89 degrees 07 minutes 40 seconds West a distance of 68.62 feet; thence South 68 degrees 37 minutes 04 seconds West a distance of 142.68 feet; thence South 89 degrees 47 minutes 37 seconds West a distance of 44.86 feet to the Point of Beginning, subject to that part, if any, in streets, roadways, highways or other public rights-of-way.

Surveyor's Recommended Description:

All that part of Lot 1, Block A, WICHITA DESTINATION DEVELOPMENT, an addition to the City of Wichita, Sedgwick County, Kansas, being more particularly described as follows:

Beginning at the Southwest corner of said Lot 1; thence North 00 degrees 43 minutes 06 seconds West, along the West line of said Lot 1, a distance of 49.41 feet; thence North 00 degrees 32 minutes 34 seconds West, continuing along said West line, 246.20 feet; thence along the Southerly right-of-way line of Greenwich Court, as it now exists, the following three courses: thence North 44 degrees 27 minutes 32 seconds East a distance of 70.51 feet; thence North 89 degrees 27 minutes 32 seconds East a distance of 166.97 feet; thence North 85 degrees 09 minutes 27 seconds East a distance of 30.25 feet; thence departing said Southerly right-of-way line, South 00 degrees 32 minutes 28 seconds East a distance of 296.84 feet to a point on the Northerly right-of-way line of K-96 Highway, as it now exists; thence South 89 degrees 07 minutes 40 seconds West a distance of 68.62 feet; thence South 68 degrees 37 minutes 04 seconds West a distance of 142.68 feet; thence South 89 degrees 47 minutes 37 seconds West a distance of 44.86 feet to the Point of Beginning, subject to that part, if any, in streets, roadways, highways or other public rights-of-way.

Schedule B - Part II Exceptions:

5. Building lines, easements and restrictions shown on the plat of The Shops at Wichita Destination Development Addition recorded 05/11/2017 in Instrument 29689331. (Affects surveyed property as shown.)

6. Cross Lot Drainage Agreement, as more fully set forth in the instrument recorded as Document No. 28646500A. (Does not affect surveyed property.)

7. Drainage Agreement, as more fully set forth in the instrument recorded as Document No. 28908965. (Affects surveyed property as shown.)

8. Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29396346. (Affects surveyed property, nothing to plot.)

9. Notice of Community Unit Plan, as more fully set forth in the instrument recorded as Document No. 29396347. (Affects surveyed property, nothing to plot.)

10. Cross-Lot Circulation Agreement, as more fully set forth in the instrument recorded as Document No. 29396349. (Affects surveyed property, nothing to plot.)

11. Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29424117. (Affects surveyed property, nothing to plot.)

12. Notice of Community Unit Plan, as more fully set forth in the instrument recorded as Document No. 29424118. (Affects surveyed property, nothing to plot.)

13. Cross-Lot Circulation Agreement, as more fully set forth in the instrument recorded as Document No. 29424119. (Affects surveyed property, nothing to plot.)

14. Development Agreement, as more fully set forth in the instrument recorded as Document No. 29424599, as amended by Document No. 29424600 and Document No. 29772030 and further amended by Document No. 29715459. Memorandum of Option to Purchase, as more fully set forth in the instrument recorded as Document No. 29424601. (Affects surveyed property as shown.)

15. Asset Purchase Option Agreement, as more fully set forth in the instrument recorded as Document No. 29424604. (Affects surveyed property as shown.)

16. Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 26527518. (Affects surveyed property, nothing to plot.)

17. Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29527519. (Affects surveyed property, nothing to plot.)

18. Notice of Community Unit Plan, as more fully set forth in the instrument recorded as Document No. 29527521. (Affects surveyed property, nothing to plot.)

19. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29531480. (Affects surveyed property as shown.)

20. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29531481. (Affects surveyed property as shown.)

21. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29531482. (Affects surveyed property as shown.)

22. Project Development Agreement, as more fully set forth in the instrument recorded as Document No. 29535200. (Affects surveyed property as shown.)

23. Declaration of Easements, Covenants, Assessments and Restrictions of Greenwich Place, as more fully set forth in the instrument recorded as Document No. 29542581. (Affects surveyed property, nothing to plot.)

24. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29542583. (Affects unshaded area of surveyed property, nothing to plot.)

25. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29542584. (Affects unshaded area of surveyed property, nothing to plot.)

26. Declaration of Restrictions, as more fully set forth in the instrument recorded as Document No. 29542585. (Affects unshaded area of surveyed property, nothing to plot.)

27. Streetlight Agreement, as more fully set forth in the instrument recorded as Document No. 29577819. (Does not affect surveyed property.)

28. Declaration of Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29579480. (Affects surveyed property, nothing to plot.)

29. Declaration of Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29596079. (Affects surveyed property, nothing to plot.)

30. Restrictive Covenant, as more fully set forth in the instrument recorded as Document No. 29745233. (Affects surveyed property, nothing to plot.)

31. Right of Way granted to Kansas Gas and Electric Company as more fully set forth in the instrument recorded in Book 48 at Page 235. (Affects surveyed property as shown.)

Schedule B - Part II Exceptions:

32. Right of Way granted to Kansas Gas and Electric Company as more fully set forth in the instrument recorded in Book 74 at Page 299. (Affects surveyed property as shown.)

33. Electric Transmission Line Easement as Condemned by Kansas Gas and Electric Company in Sedgwick County, Kansas District Court Case No. C-28313 as more fully set forth in the instrument recorded as Document No. C-28313. (Affects surveyed property as shown.)

34. Ordinance/Resolution No. R-98-048 by the City of Wichita authorizing construction of Water Supply Line Number 448-89212 (West of Greenwich, North of K-96 Freeway), as set forth in the instrument recorded 02/26/1998, in Book 1762 at Page 1611, re-recorded 09/11/1998 in Book 1826 at Page 1301. (Affect surveyed property as shown.)

35. Right of Way granted to Kansas Gas and Electric Company as more fully set forth in the instrument recorded as Document No. 28601311. (Does not affect surveyed property.)

36. Right of Way granted to Kansas Gas and Electric Company as more fully set forth in the instrument recorded as Document No. 28601312. (Affects surveyed property as shown.)

37. Ordinance/Resolution No. 01-619 by the City of Wichita authorizing construction of Water Distribution System Number 448-903385 (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 12/03/2007, as Document No. 28936322. (Affects surveyed property, nothing to plot.)

38. Ordinance/Resolution No. 07-630 by the City of Wichita authorizing constructing pavement on 27th Street, from the East line of Greenwich to the centerline of Essex (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 12/27/2007, as Document No. 28941850. (Affects surveyed property, nothing to plot.)

39. Ordinance/Resolution No. 09-191 by the City of Wichita authorizing constructing interchange improvements on K-96 Highway and Greenwich Road to provide a Westbound Exit Ramp from K-96 Highway onto Greenwich Road and Eastbound Entrance Ramp from Greenwich Road onto K-96 Highway, as set forth in the instrument recorded 07/23/2009, as Document No. 29078358, re-recorded 08/31/2009 as Document No. 29087760. (Affects surveyed property, nothing to plot.)

40. Ordinance/Resolution No. 11-064 by the City of Wichita authorizing the improvement of Water Distribution System Number 448-90517 (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 04/21/2011, as Document No. 29213997. (Affects surveyed property, nothing to plot.)

41. Ordinance/Resolution No. 11-066 by the City of Wichita authorizing the improvement of Water Distribution System Number 448-90519 (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 04/21/2011, as Document No. 29213999. (Affects surveyed property, nothing to plot.)

42. Ordinance/Resolution No. 11-071 by the City of Wichita authorizing constructing pavement on 27th Street, from the East line of Greenwich to approximately 100 feet East of the Southeast corner of Lot 5, Block 1 (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 04/21/2011, as Document No. 29214006. (Affects surveyed property, nothing to plot.)

43. Ordinance/Resolution No. 11-072 by the City of Wichita authorizing constructing pavement on 27th Street, from approximately 100 feet East of the Southeast corner of Lot 5, Block 1 for approximately 1560 feet East (East of Greenwich, South of 29th St. North), as set forth in the instrument recorded 04/21/2011, as Document No. 29214007. (Affects surveyed property, nothing to plot.)

44. Avigational Easement as more fully set forth in the instrument recorded as Document No. 29527520. (Affects surveyed property, nothing to plot.)

45. Unrecorded lease dated 06/03/2015, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Bed Bath & Beyond Inc., a New York corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 07/07/2015, as Document No. 29539298. (Does not affect surveyed property.)

46. Unrecorded lease dated 06/03/2015, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Buy Buy Baby, Inc. a Delaware corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 07/07/2015, as Document No. 29539300. (Does not affect surveyed property.)

47. Unrecorded lease dated 06/03/2015, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Cost Plus, Inc., a California corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 07/07/2015, as Document No. 29539302. (Does not affect surveyed property.)

48. Unrecorded lease dated 01/18/2016, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Ulta Salon, Cosmetics & Fragrance, Inc., a Delaware corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 01/26/2016, as Document No. 29585106. (Does not affect surveyed property.)

49. Unrecorded lease dated 01/18/2016, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and HomeGoods, Inc., a Delaware corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 02/22/2016, as Document No. 29589952. (Does not affect surveyed property.)

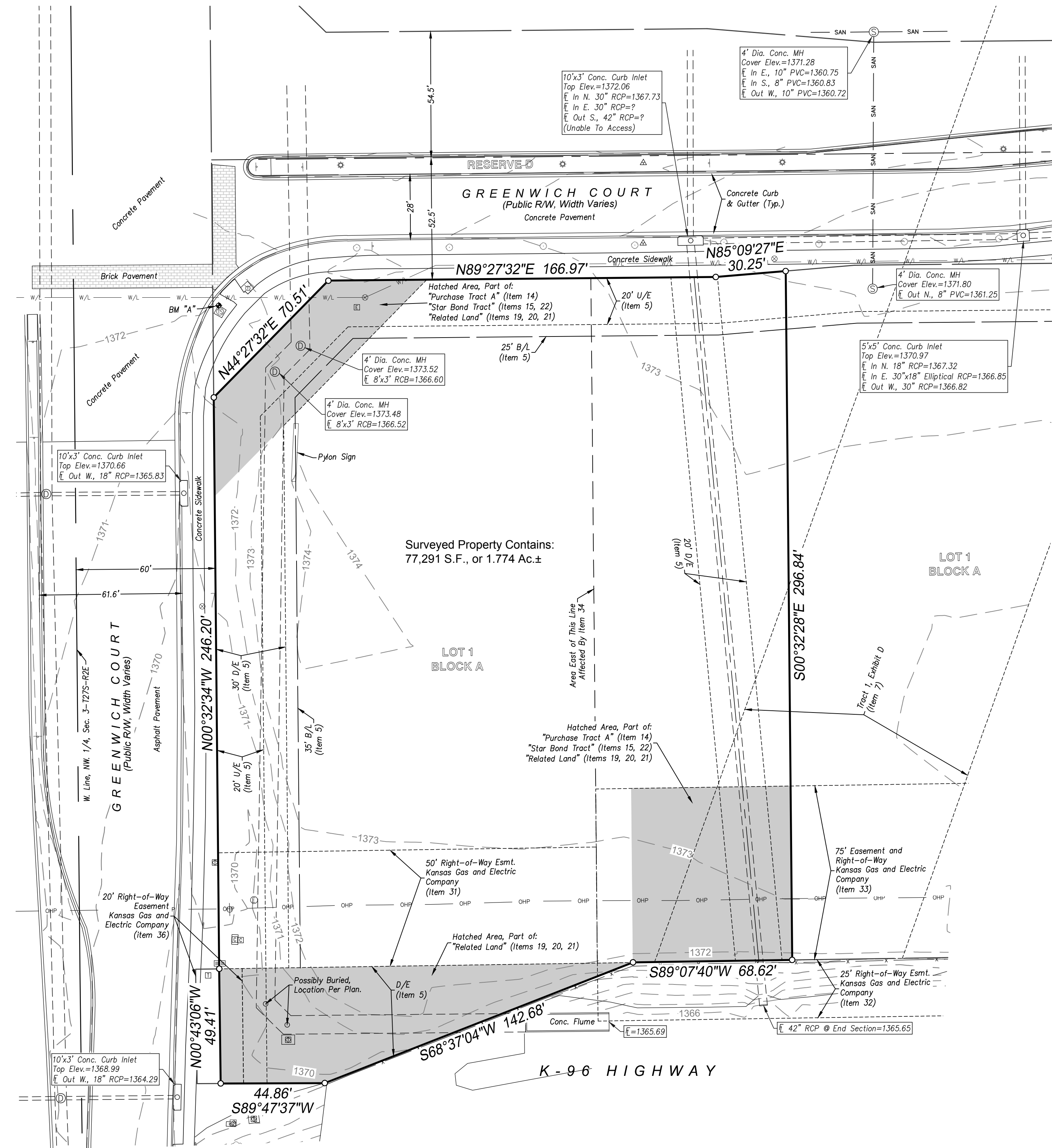
50. Unrecorded lease dated 09/15/2016, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Stein Mart, Inc., a Florida corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 09/27/2016, as Document No. 29640245. (Does not affect surveyed property.)

51. Unrecorded lease dated 01/18/2016, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and Ross Dress for Less, Inc., a Virginia corporation, lessee, the existence of which is disclosed by instrument designated Subordination, Non-Disturbance and Attornment Agreement, filed 05/08/2017, as Document No. 29688439. (Does not affect surveyed property.)

52. Unrecorded lease dated 11/04/2016, by and between WDDMBB, LLC, a Kansas limited liability company, lessor, and BZKC, LLC, a Kansas limited liability company, d/b/a Blaze Fast Fire'd Pizza, lessee, the existence of which is disclosed by instrument designated Memorandum of Lease, filed 02/13/2018, as Document No. 29749719. (Affects surveyed property, nothing to plot.)

Notes:

1. Basis of Bearings: Per plat of WICHITA DESTINATION DEVELOPMENT.
2. All bearings and distances shown on this survey are measured unless otherwise noted.
3. Site Benchmark:  
BM "A": Square cut, north corner of traffic signal manhole at northwest corner of property.  
Elev.=1372.56 (Assumed)
4. Floodplain Note (Table A Item #3): According to the F.E.M.A. Flood Insurance Rate Map Number 20173C0377G, revised December 22, 2016, this tract graphically lies in OTHER AREAS, ZONE X, defined as areas determined to be outside the 0.2% annual chance floodplain.
5. Current Zoning (Table A Item #6): Per the Sedgwick County Online Map Portal, this property is zoned L1, Limited Industrial. No zoning report or letter provided. Zoning information will be provided upon receipt.
6. No buildings observed on the subject property.
7. This company did not observe evidence of recent earth moving work, building construction, or building additions in the process of conducting the fieldwork. (Table A Item #16)
8. There are no proposed changes in street right of way lines, nor evidence of recent street or sidewalk construction or repairs observed in the process of conducting the fieldwork. (Table A Item #17)
9. No wetland delineation markers were observed in the process of conducting the fieldwork. (Table A Item # 18)
10. Utilities shown on this survey are located per above ground appurtenances and utility marking company locates. No attempt has been made by the surveyor to estimate the location of any unmarked or unmapped utility lines.



Certification:

To: Kimley-Horn; Saltgrass, Inc. a Texas Corporation; Stewart Title Guaranty Company;

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 3, 4, 5, 6(a), 8, 11, 16, 17 and 18 of Table A thereof. The field work was completed September 14, 2018.

I further certify that I, Roger B. Dill, Kansas LS-1408, have during September 2018, made a survey as shown hereon, and the results of said survey are shown on this ALTA survey and that said survey meets or exceeds the "Kansas Minimum Standards" for boundary surveys.

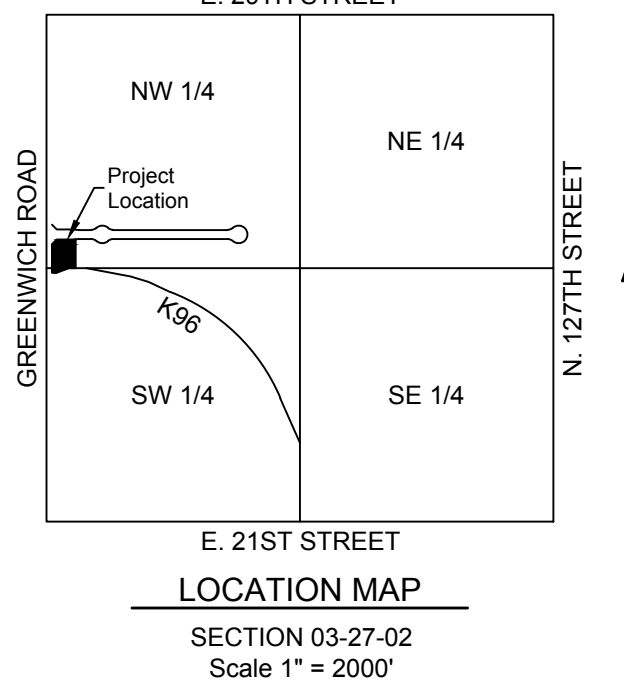
Date of Plat or Map:

DRAFT COPY R1

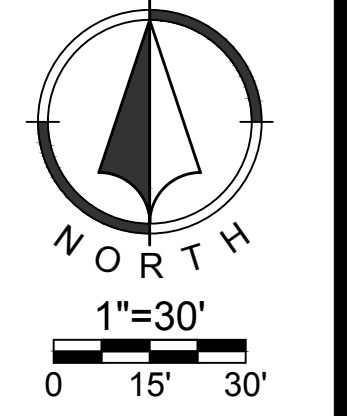
Roger B. Dill, Kansas LS-1408  
rdill@ric-consult.com

LEGEND:

- SET 1/2" X 24" REBAR WITH RIC MOCLS2011003572 KSCL5234 CAP
- ➔ BENCHMARK
- B/L BUILDING SETBACK LINE
- D/E DRAINAGE EASEMENT
- U/E UTILITY EASEMENT
- ☐ CABLE BOX
- ⊞ ELECTRICAL BOX
- ⊞ ELECTRICAL MANHOLE
- ⊞ ELECTRICAL TRANSFORMER
- ⊞ POWER POLE
- GHP OVERHEAD POWER
- ⊞ SIGNAL POLE
- ⊞ SIGNAL BOX
- ⊞ STREET LIGHT
- ⊞ SPRINKLER VALVE
- ⊞ SIGNS
- TREE, CONIFEROUS
- TREE, DECIDUOUS
- ⊞ SANITARY MANHOLE
- SAM SANITARY SEWER LINE
- ⊞ STORM MANHOLE
- ⊞ TELEPHONE BOX
- ⊞ TELEPHONE VAULT
- W/L WATER LINE
- ⊞ WATER VALVE



ALTANSPS LAND TITLE SURVEY  
PART OF LOT 1, BLOCK A, WICHITA DESTINATION DEVELOPMENT, AN ADDITION TO THE CITY OF WICHITA, SEDGWICK COUNTY, KANSAS



Prepared For:  
Kimley-Horn  
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Dallas, TX 75240  
972-770-1300

REVISION table with columns for NO., BY, QD., DATE.

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