

NOTES

1. THE EROSION CONTROL DEVICES SHOWN ON THIS SHEET ARE CONSIDERED MINIMUM STANDARDS. WHENEVER SEDIMENT ENTERS STREETS, STORM SEWERS, DITCHES, OR PONDS, THE CONTRACTOR WILL INSTALL ADDITIONAL DEVICES AS NEEDED TO CORRECT THE PROBLEM.
2. THE EROSION CONTROL DEVICES SHOWN HEREON MUST BE IN PLACE AT ALL TIMES DURING CONSTRUCTION UNTIL SUCH TIME AS THE SITE IS REESTABLISHED WITH PAVING OR GRASS. THE CONTRACTOR SHALL INSTALL TEMPORARY OR PERMANENT SEED IN ACCORDANCE WITH ATTACHMENT "A" OF THE KDHE NOTICE OF INTENT PERMIT.
3. THE CONTRACTOR SHALL CLEAN UP ANY MUD INADVERTENTLY TRACKED ONTO ANY STREET AT THE END OF EACH DAY'S WORK.
4. THE EROSION CONTROL PLAN IS CONSIDERED A DYNAMIC PLAN. THE CONTRACTOR MAY MAKE CHANGES AS NECESSARY TO MEET PERMIT REQUIREMENTS. ANY CHANGES OR DELETION SHALL BE RECORDED AND KEPT ON SITE AT ALL TIMES.
5. ANY FINES IMPOSED UPON THE OWNER BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT (KDHE) DUE TO IMPROPER EROSION CONTROL PRACTICES SHALL BE REIMBURSED BY THE CONTRACTOR.
6. CONTAMINATED SOILS SHALL BE IMMEDIATELY PLACED IN TRUCKS FOR HAULING OFF SITE. NO CONTAMINATED SOILS SHALL BE STOCKPILED ON SITE. EROSION CONTROL MEASURES TO AVOID THE DISCHARGE OF CONTAMINANTS SHALL BE IN ACCORDANCE WITH THE GENERAL NPDES PERMIT PART 7.

LEGEND

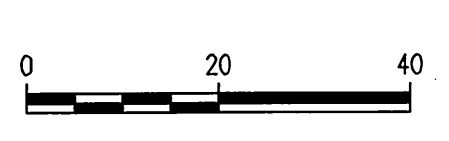
- PROPOSED CURB INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE (FINAL LOCATION DETERMINED BY CONTRACTOR)
- SILT FENCE BARRIERS

PROJECT LIMITS (DISTURBED AREA WITHIN PROPERTY LIMITS = 43,256 SQ.FT.
DISTURBED AREA IN RIGHT OF WAY = 7,705 SQ.FT.)

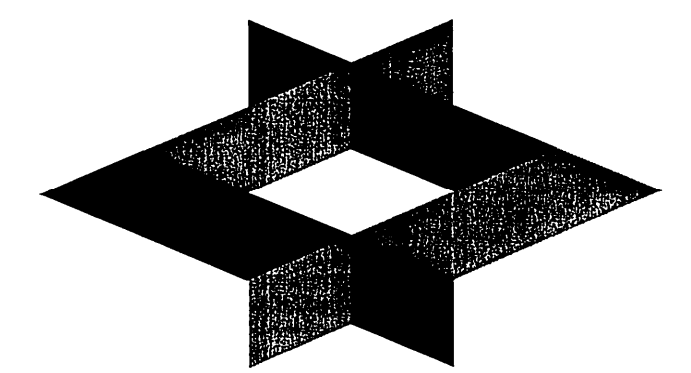
INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE.

SCALE: 1" = 20'



Saved: 07-16-2012 11:04:26 AM by B.S.
 Plot: Scale: 1:20 07-16-2012 3:28:05 PM by BILL J. SEASON
 C:\2012\12149_Site Plans\12149-C2.3-EROSION CONTROL PLAN



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**KWIK SHOP #758
 CONVENIENCE STORE
 6327 E. 13th Street N.
 WICHITA, KANSAS**

Mark	Date	Description

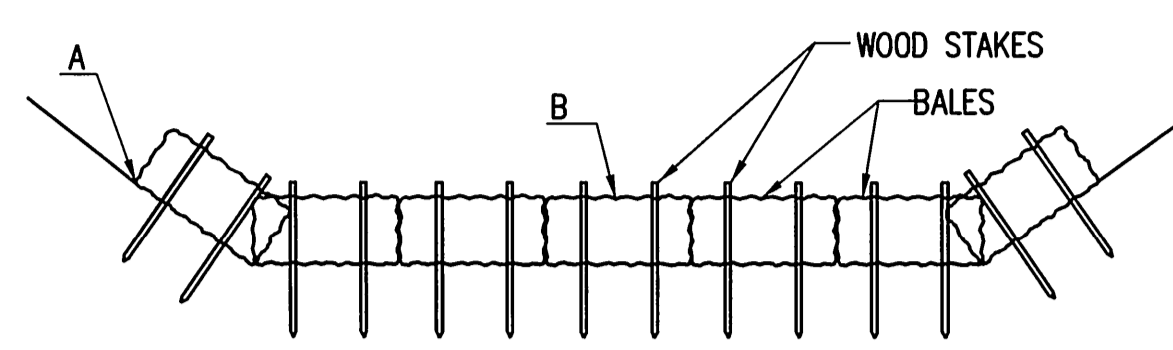
EROSION CONTROL PLAN

SURVEY PERFORMED BY SAVOY COMPANY, P.A.
 SURVEY DATE: OCTOBER 24, 2011



Job No.	12149	C2.3
Date	05/01/12	
Drawn		Dwg. of
Checked		

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



STRAW BALE DITCH CHECKS

MATERIAL SPECIFICATION:

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

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH. THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK. STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD. BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED. THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

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

PROPER INSTALLATION METHOD:

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

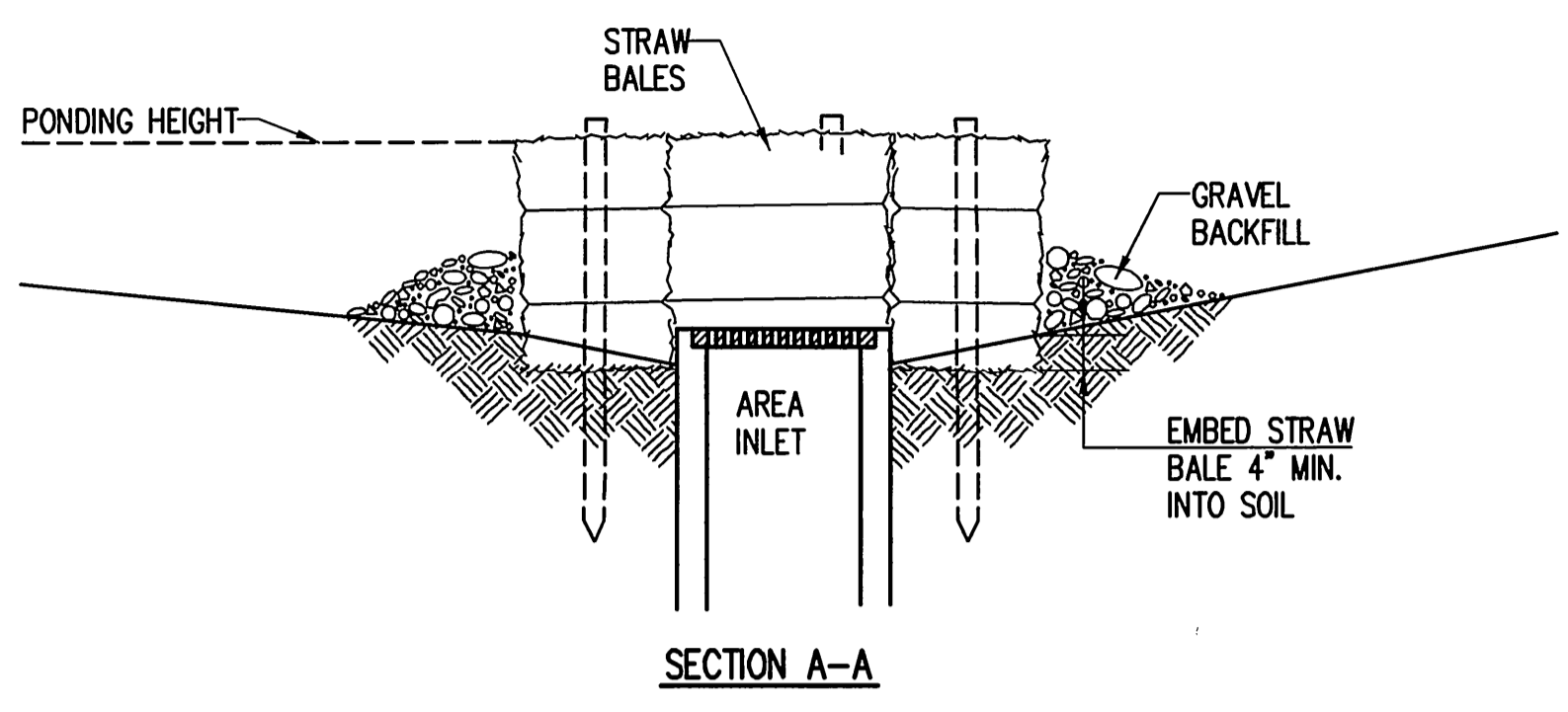
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW. DO NOT PLACE BALE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW. FOLLOW PRESCRIBED DITCH-CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS. DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT. BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

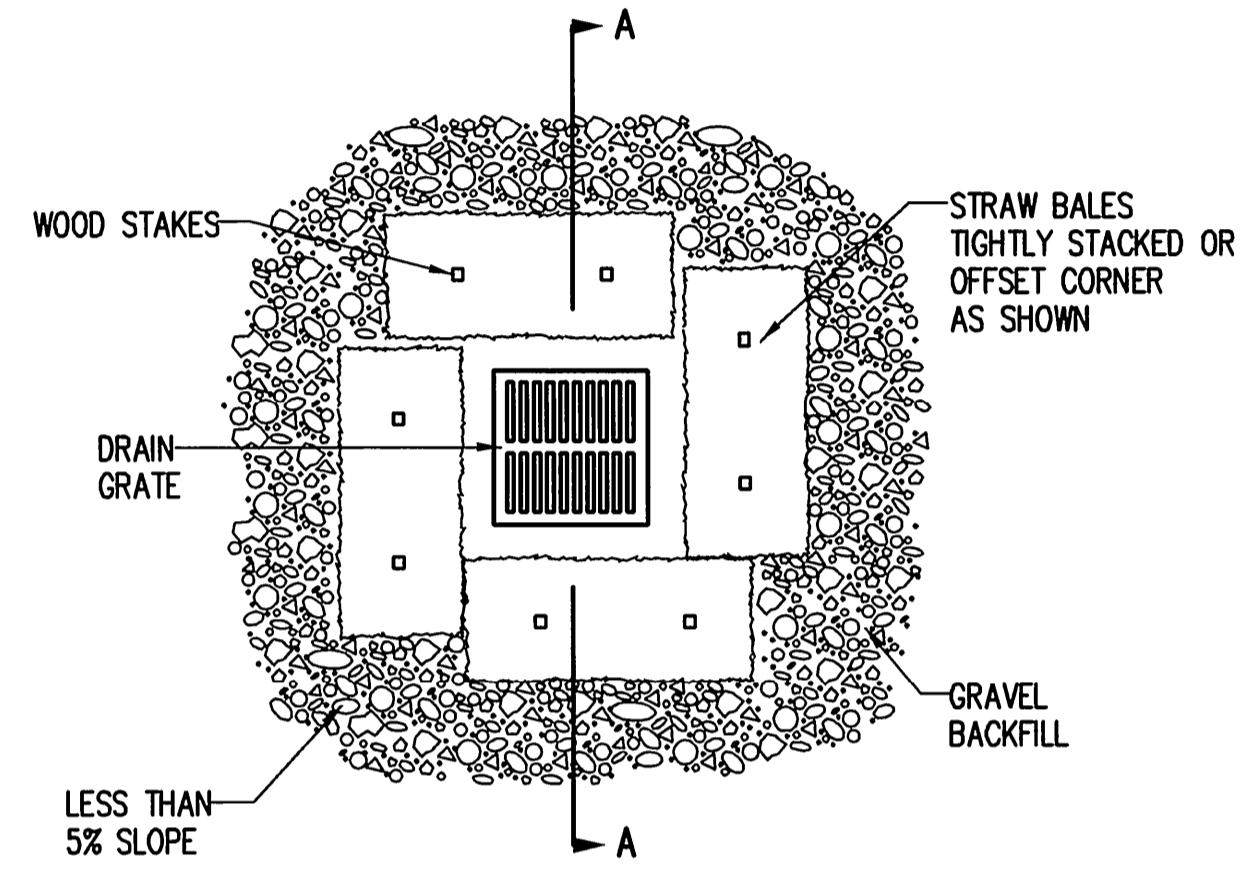
INSPECTION AND MAINTENANCE:

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

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



SECTION A-A



STRAW BALE BARRIERS FOR AREA INLETS (INLET PROTECTION)

MATERIAL SPECIFICATION:

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

PLACEMENT:

BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET. WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 4" DEEP BY A BALE'S WIDTH WIDE. PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND. ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP. NOTE: WHEN A BALE AREA INLET BARRIER IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

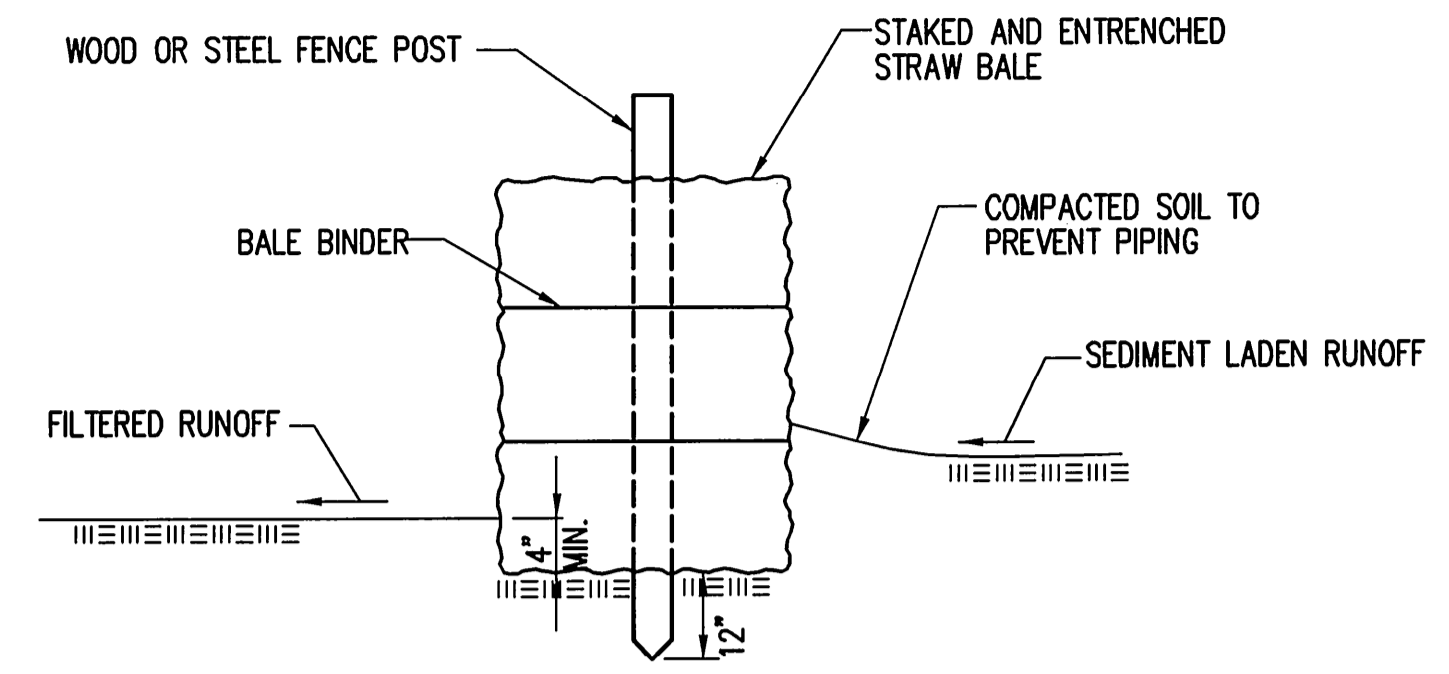
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR. BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

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

DOES WATER FLOW UNDER THE AREA INLET BARRIER?
 DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
 ARE ANY BALES DISLODGED?
 ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
 DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



STRAW BALE BARRIERS

MATERIAL SPECIFICATION:

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

PLACEMENT:

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

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE. PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND. ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

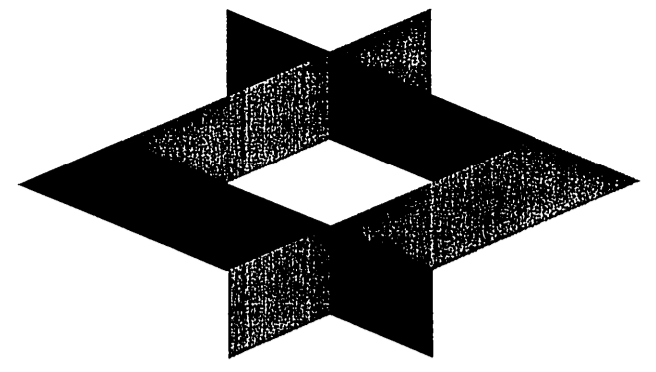
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

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

INSPECTION AND MAINTENANCE:

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

- ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
- DOES WATER FLOW UNDER THE SLOPE BARRIER?
- DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
- ARE ANY BALES DISLODGED?
- ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
- DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?



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KWIK SHOP #758
CONVENIENCE STORE
6327 E. 13th Street N.
WICHITA, KANSAS

Mark	Date	Description

EROSION CONTROL DETAILS

Job No.	12149	C2.6
Date	05/01/12	
Drawn		
Checked		



Saved: 07-12-2012 5:23:46 PM by BUS
 Plot Scale: 1:107-16-2012 3:33:21 PM by BILL J. SESSON
 G:\2012\12149\Site Plans\12149-C2.6-Straw Bale Ditch and Barr Dets

ALTA/ACSM Land Title Survey

Kwik Shop
6327 E. 13th Street N.
Wichita, Kansas

NOTES:

- 1) SURVEY DATE: October 24, 2011.
 - 2) RECORD INFORMATION: Title Commitment File No.: F20116064, provided by Fidelity National Title Insurance Company.
 - 3) FLOOD ZONE DESIGNATION: According to the National Flood insurance Rate Map Community Panel No. 20173C0359E, effective February 2, 2007, the property shown hereon is located in Zone X, areas of minimal flooding. (No shading)
 - 4) AREA: (COMBINED PARCEL); 34145.0 sq.ft.±
0.78 Acres±
 - 5) ZONING: "LC" Limited Commercial District
- D) Property Development Standards.

TO ALL PARTIES INTERESTED IN TITLE TO THE PREMISES SURVEYED:

The Kroger Company
 Kwik Shop, Inc.
 Prairie Village LLC, a Kansas limited liability company (Owner)
 PVSC, LLC (Lease Hold Interest)
 Fidelity National Title Insurance Company

LEGAL DESCRIPTION:
ORIGINAL KWIK SHOP PARCEL: A
 Beginning at the Northeast corner of Lot 18, Block A, McEwen Fifth Addition and Replat of Block A, McEwen 4th Addition, Wichita, Sedgwick County, Kansas; thence West along the North line of said Lot 18, 150 feet; thence South at right angles, 150 feet; thence East at right angles, 150 feet more or less to a point on the East line of said Lot 18; thence North along East line of said Lot 18 to the point of beginning.

ADDITIONAL KWIK SHOP PARCEL: B
 Commencing at the Northeast corner of Lot 18, Block A, McEwen Fifth Addition and Replat of Block A, McEwen 4th Addition, Wichita, Sedgwick County, Kansas; thence West along the North line of said Lot 18, 150 feet for a Point of Beginning; thence South at right angles, 150 feet; thence East at right angles, 150 feet more or less to a point on the East line of said Lot 18; thence South, along the East line of said Lot 18, 10 feet; thence West, parallel with the North line of said Lot 18, 200 feet; thence North, parallel with the East line of said Lot 18, 105 feet; thence West, parallel with the North line of said Lot 18, 39 feet; thence North, parallel with the East line of said Lot 18, 55 feet to the North line of said Lot 18; thence East, along the North line of said Lot 18, 89 feet to the Point of Beginning.

COMBINED KWIK SHOP PARCEL:
 That part of Lot 18, Block A, McEwen Fifth Addition and Replat of Block A, McEwen 4th Addition to Wichita, Sedgwick County, Kansas, described as Beginning at the Northeast Corner of said Lot 18; thence South, along the East line of said Lot 18, 160 feet; thence West, parallel with the North line of said Lot 18, 200 feet; thence North, parallel with the East line of said Lot 18, 105 feet; thence West, parallel with the North line of said Lot 18, 39 feet; thence North, parallel with the East line of said Lot 18, 55 feet to the North line of said Lot 18; thence East, along the North line of said Lot 18, 239 feet to the Point of Beginning.

SHARED ACCESS AREA DESCRIPTION:
 That part of Lot 18, Block A, McEwen Fifth Addition and Replat of Block A, McEwen 4th Addition to Wichita, Sedgwick County, Kansas, described as Beginning at a point on the East line and 160 feet South of the NE. Corner of said Lot 18; thence South, along the East line of said Lot 18, 24 feet; thence West, parallel with the North line of said Lot 18, 285 feet; thence North, parallel with the East line of said Lot 18, 184 feet to the North line of said Lot 18; thence East, along the North line of said Lot 18, 46 feet to a point 239 feet West of the NE. Corner of said Lot 18; thence South, parallel with the East line of said Lot 18, 55 feet; thence East, parallel with the North line of said Lot 18, 39 feet; thence South, parallel with the East line of said Lot 18, 105 feet; thence East, parallel with the North line of said Lot 18, 200 feet to the Point of Beginning.

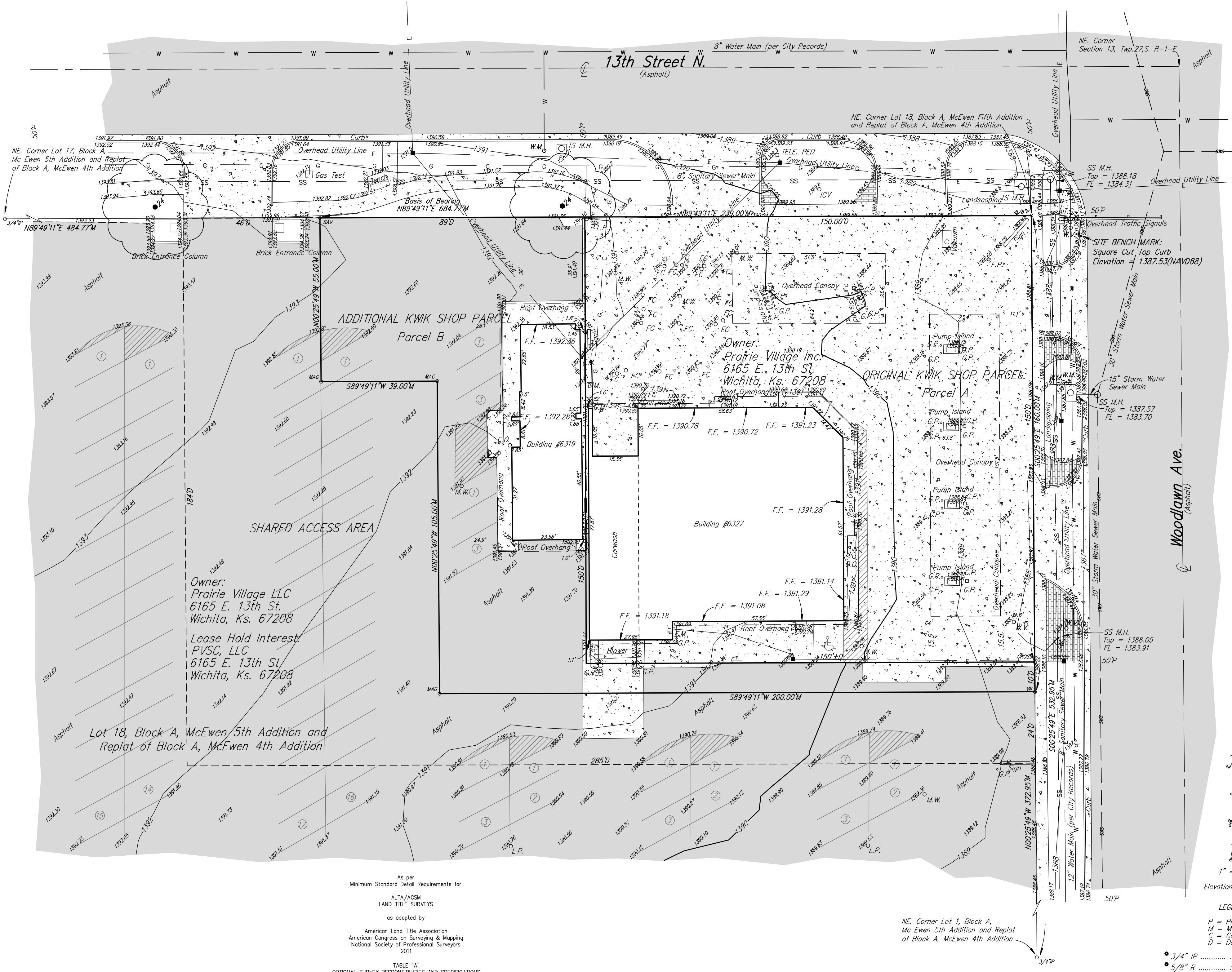
State of Kansas)
 Sedgwick County)

This is to certify that this map or plat and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA and NSPS in 2011, and includes Items 1, 2, 3, 4, 5, 6a, 7a, 8, 9, 11b and 13 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA and NSPS and in effect on the date of this certification, undersigned further certifies that in my professional opinion, as a land surveyor registered in the State of Kansas, the Relative Positional Accuracy of this survey does not exceed that which is specified therein.

Date: 2/23/2012

 Lenny D. Wood
 Surveyor

Kansas One-Call Ticket #1381166 1-316-687-2470
 Kansas Gas Service 1-888-847-4757
 Westar Energy 1-888-847-4757
 A.T.&T. Distribution 1-866-861-7678
 Wichita Water 1-316-268-4555



LEGEND:

- G = GAS MAIN
- W = WATER MAIN
- SS = SANITARY SEWER
- SWS = STORM WATER SEWER
- UGE = UNDER GROUND ELECTRIC
- UGT = UNDER GROUND TELEPHONE
- B.M. = BENCH MARK
- TELE. PED. = TELEPHONE PEDESTAL
- C.O. = CLEAN OUT
- E.M. = ELECTRIC METER
- F.H. = FIRE HYDRANT
- F.P. = FLAG POLE
- GUY ANCHOR = GUY ANCHOR
- G.P. = GUARD POST
- ICV = IRRIGATION CONTROL VALVE
- L.P. = LIGHT POLE
- M.W. = MONITOR WELL
- O.H. = OBSERVATION HOLE
- P. = POWER POLE W/LIGHT
- S. = SIGN
- T.S. = TRAFFIC SIGNAL
- W.M. = WATER METER
- W.V. = WATER VALVE
- S.S.M.H. = SANITARY SEWER MANHOLE
- S.S.M.H. = STORM WATER SEWER MANHOLE
- T.S. = TRAFFIC SIGNAL
- G.M. = GAS METER
- FC = TANK FILLER CAP
- F.P. = FLAG POLE

LEGEND:

- P = Plotted
- M = Measured
- C = Calculated
- U = Unobserved
- 3/4" IP = 3/4" IRON PIPE (FOUND)
- 5/8" R = 5/8" REBAR (FOUND)
- CROSS = CHISELED CROSS (FOUND)
- IN = CHISELED V-NOTCH (SET)
- MAG = MAG NAIL W/SAVOY CAP (SET)
- SAV = 1/2" REBAR W/SAVOY CAP (SET)

SITE BENCH MARK:
 Square Cut Top Curb 7.0'S. & 16.5'E. of the NE. Corner of Lot 18, Block A, McEwen Fifth Addition Elevation = 1387.53(NAVD88)

NOTE:
 Location of all utilities shown on this drawing, reflect the best information available, consisting of both field observation and information from the records of the various utility companies. Before completing any final design or beginning any excavation on this site, contact the appropriate utility companies for verification of the utility locations.

- NOTE: The items of Table A must be negotiated between the surveyor and client. It may be necessary for the surveyor to qualify or expand upon the description of these items. (e.g., in reference to Item 6(b), there may be a need for an interpretation of a restriction). The surveyor cannot make a certification on the basis of an interpretation or opinion of another party. Notwithstanding Table A items 5 and 11(b), if an engineering design survey is desired as part of an ALTA/ACSM Land Title Survey, such services should be negotiated under table A, item 22.
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| <ol style="list-style-type: none"> 1. Monuments placed (or a reference monument or witness to the corner) at all major corners of the boundary of the property, unless already marked or retained by an existing monument or witness to the corner. 2. Address(es) if disclosed in Record Documents, or observed while conducting the survey. 3. Flood zone designation (with proper annotation based on Federal Flood Insurance Rate Maps or the state or local equivalent, by scaled map location and graphic plotting only). 4. Gross land area (and other areas if specified by the client). 5. Vertical relief with the source of information (e.g. ground survey or aerial map), Contour interval, datum, and originating benchmark identified. 6. (a) Current zoning classification, as provided by the insurer. 6. (b) Current zoning classification and building setback requirements, height and floor area restrictions as set forth in that classification, as provided by the insurer. If none, so state. 7. (a) Exterior dimensions of all buildings at ground level. 7. (b) Square footage of: (1) exterior footprint of all buildings at ground level. (2) other areas as specified by the client. 7. (c) Measured height of all buildings above grade at a location specified by the client. If no location is specified, the point of measurement shall be identified. 8. Substantial features observed in the process of conducting the survey (in addition to the improvements and features required under Section 5 above) such as parking lots, billboards, signs, swimming pools, landscaped areas, etc. 9. Striping, number and type (e.g. handicapped, motorcycle, regular, etc.) of parking areas, lots and structures. | <ol style="list-style-type: none"> 10. (a) Determination of the relationship and location of certain division or party walls designated by the client with respect to adjoining property (client to obtain necessary permissions). 10. (b) Determination of whether certain walls designated by the client are plumb (client to obtain necessary permissions). 11. Location of utilities (representative examples of which are shown below) existing on or serving the surveyed property as determined by: (a) Observed evidence (b) Observed evidence together with evidence from plans obtained from utility companies or provided by client, and markings by utility companies, and other appropriate sources (with reference as to the source of information) <ul style="list-style-type: none"> * railroad tracks, spurs and sidings. * manholes, catch basins, valve vaults or other surface indication of subterranean uses. * wires and cables (including their function, if readily identifiable) crossing the surveyed property, and all poles on or within ten feet of the surveyed property, without expressing a legal opinion as to the ownership or nature of the potential encroachment, the dimensions of all encroaching utility poles, crossmembers or overhangs; and Note - with regard to table A, Item 11(b), source information from plans and markings will be combined with observed evidence of utilities to develop a view of those underground utilities. However, locating excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation may be necessary. 12. Governmental Agency survey-related requirements as specified by the client, such as for HUD surveys, and surveys for leases on Bureau of Land Management managed lands. 13. Names of adjoining owners of platted lands according to current public records. 14. Distance to the nearest intersecting street as designated by the client. | <ol style="list-style-type: none"> 15. Rectified orthophotography, photogrammetric mapping, laser scanning and other similar products, tools or technologies may be utilized as the basis for the location of certain features (excluding boundaries) where ground measurements are not otherwise necessary to locate those features to an appropriate and acceptable accuracy relative to the nearby boundary. The surveyor shall (a) discuss the ramifications of such methodologies (e.g. the potential accuracy and completeness of the data gathered thereby) with the insurer, lender and client prior to the performance of the survey and, (b) place a note on the face of the survey explaining the source, date, precision and other relevant qualifications of any such data. 16. Observe evidence of current earth moving work, building construction or building additions. 17. Proposed changes in street right of way lines, if available from the controlling jurisdiction. Observe evidence of recent street or sidewalk construction or repairs. 18. Observable evidence of site use as a solid waste dump, pump or sanitary landfill. 19. Location of wetland areas as delineated by appropriate authorities. 20. (a) Locate improvements within any offsite easements or servitudes benefiting the surveyed property that are disclosed in the Record Documents provided to the surveyor and that are observed in the process of conducting the survey (client to obtain necessary permissions). 20. (b) Monuments placed (or a reference monument or witness to the corner) at all major corners of any offsite easements or servitudes benefiting the surveyed property and disclosed in Record Documents provided to the surveyor (client to obtain necessary permissions). 21. Professional Liability Insurance policy obtained by the surveyor in the minimum amount of \$_____ to be in effect throughout the contract term. Insurance to be furnished upon request. 22. |
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