STORM WATER SEWER TO SERVE

Ridge Plaza 8th Addition

Part of Lot 7, Block B

Private Project Number: 1594 PPS (607861)

CITY OF WICHITA, KANSAS

James Armour, P.E. City Engineer

November 2005

Bench Marks:

1. "□" Chiseled on top of curb North of Northwest Corner of Lot 7, Block B, Ridge Plaza 8th Addition, Wichita, Kansas Elevation = 1322.29 M.S.L.

2. "□" Chiseled on top of curb Northwest of Northern most Northeast Corner of Lot 7, Block B, Ridge Plaza 8th Addition, Wichita, Kansas Elevation = 1321.44 (MSL)

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Legal Description

Part of Lot 7, Block B, Ridge Plaza 8th Addition, Wichita, Kansas

General Notes

1. Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

Cox Communications	262-4270
Kanscs Gas Service Company	1-888-422-4950
Westar Energy (Electric)	383-5550
Aquila Energy (Gas)	1-800-303-0357
Southwestern Bell Telephone Co.	1-800-286-8313
City of Wichita Water Dept. (Water)	262-6000
City of Wichita Sewer Maint. (SS)	262-6000
City of Wichita Storm Sewer Maint.	268-4090
City of Wichita Traffic Maint.	268-4034

2. All disturbed R/W areas not intended for pavement or sidewalk construction shall be seeded with Kansas Premium Fescue Blend at a rate of 8 lb./1000 Sq. Ft., fertilized with a 16-20-6 ratio at a rate of 4 lb./1000 Sq. Ft., and mulched with Prairie Hay at a rate of 92 lb./1000 Sq. Ft. Mulch shall be "potted" with forks or punched into soil to reduce loss due to wind.

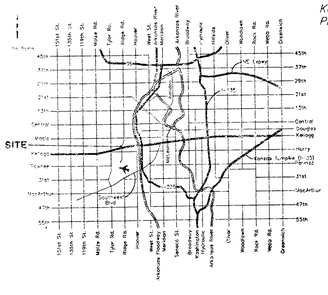
3. Utility service lines, poles, valve boxes, meters, et cetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans represent the best information obtainable for design and shall be field verified. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

5. All storm sewers and appurtenances shall be installed in accordance with the most recent edition of City of Wichita, Kansas Standard Specifications for the Construction of City Projects.

6. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Contractor shall not start on the project until all necessary bonds and permits have been obtained. Bonds may include but are not limited to Statutory, Performance & Maintenance for areas in public right-of-way and easement. For projects within the City of Wichita contact Tom Mason (268-4571). Any work done without inspection will be required to be uncovered for inspection.

7 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 Environment. Material either stockpiled or disposed of in a 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.

Location Map



POND EARTHWORK TOTALS	
Fill-	2745 C.Y.
Excavation-	161 C.Y.

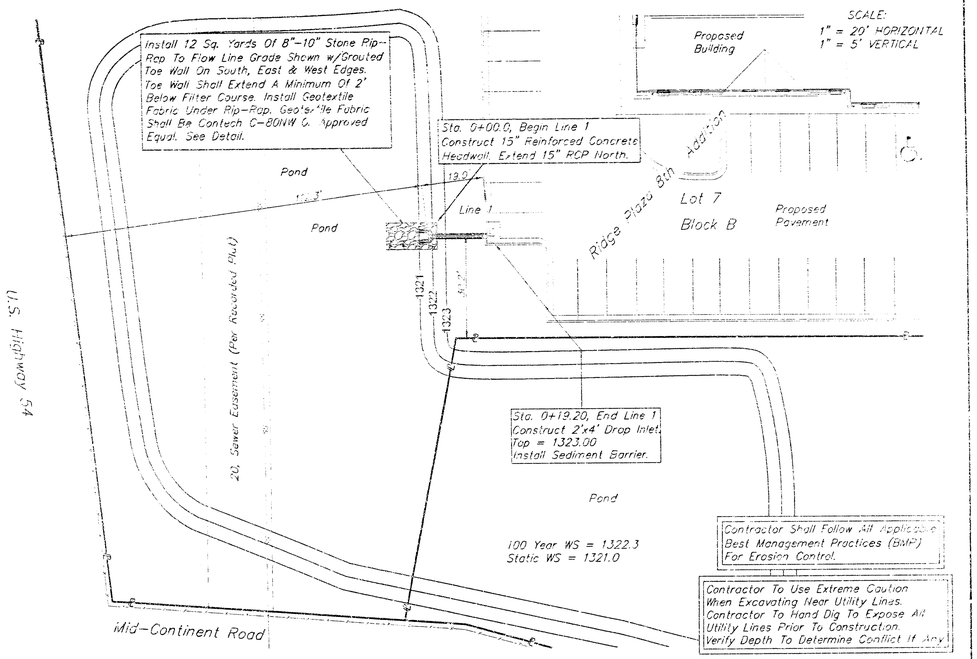
AS-BUILT
2/10/06
Dead end
Inspector

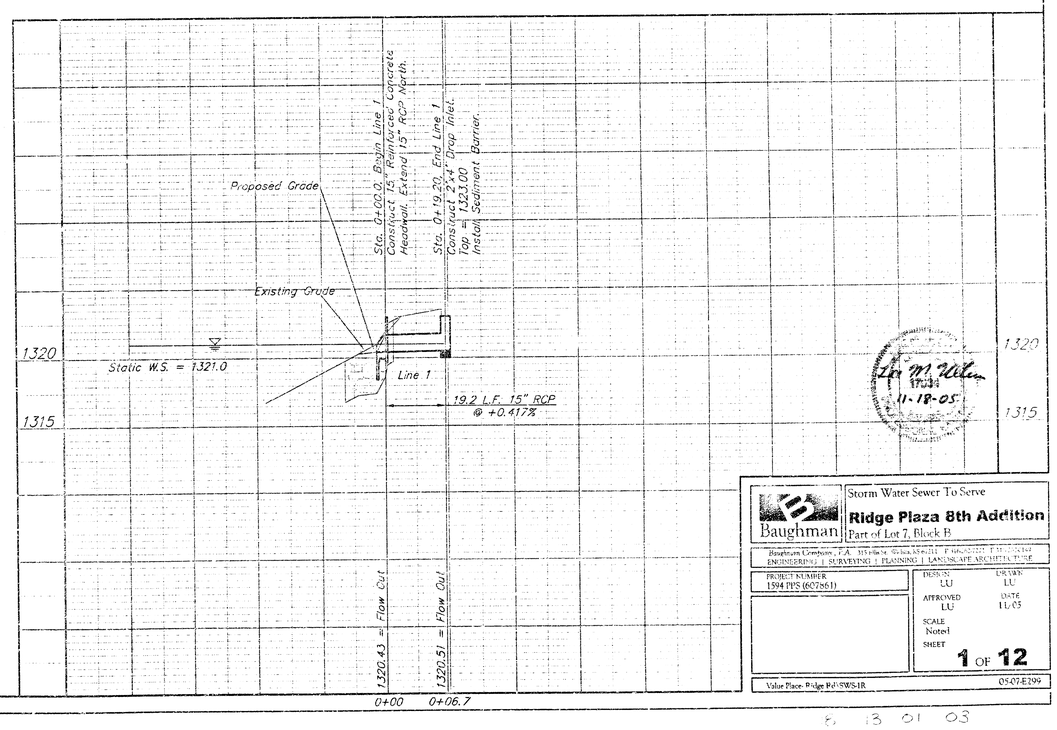
APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers 11/18/05

NOTE TO CONTRACTORS

Installation, inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).





Kevin Allen 17534 11-18-05

Baughman

Storm Water Sewer To Serve

Ridge Plaza 8th Addition

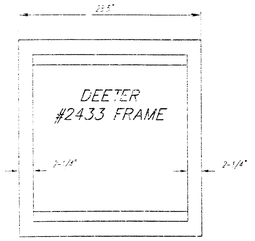
Part of Lot 7, Block B

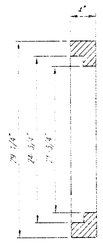
Baughman Company, P.A. 151 North Kansas Suite 210 Wichita, KS 67202 316.267.0541
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

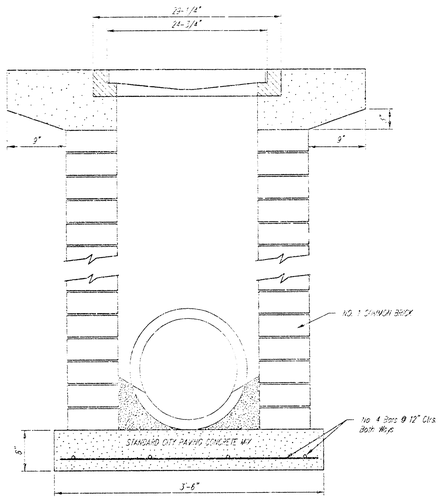
PROJECT NUMBER 1594 PPS (607861)	DESIGN: LU; DRAWN: LU
	APPROVED: LU; DATE: 11-05
	SCALE: Noted
	SHEET: 1 OF 12

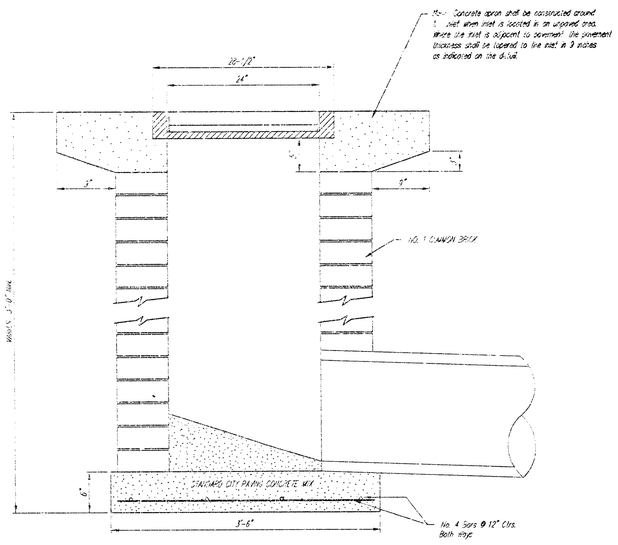
Value Place- Ridge Rd\SWS-1R 05-07-E299

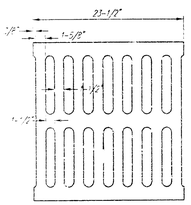
8 13 01 03

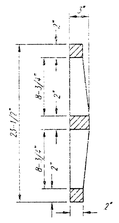








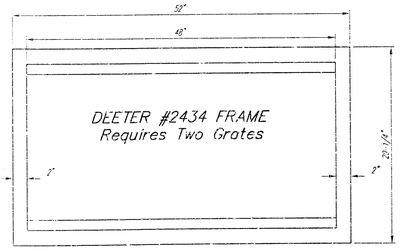




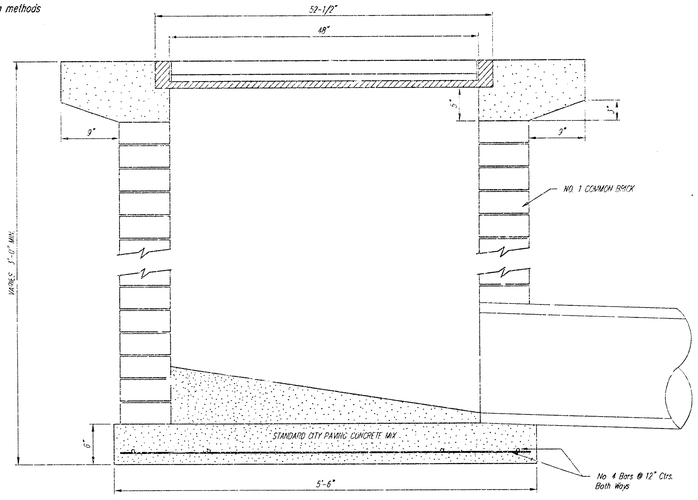
DEETER #2433 GRATE

NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

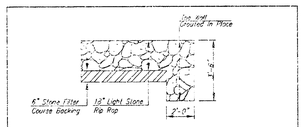
24" x 24" Frame and Grate Detail





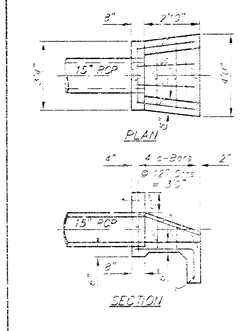


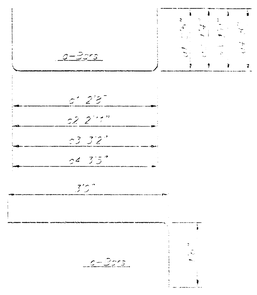
Double 24" x 24" Frame Detail



NOTES:
1. TOEWALLS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE DETAIL.
2. GROUTING OF THE SURFACE RIPRAP SHALL NOT BE PERFORMED.
3. ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER CONCRETE, FABRIC ENVELOP, NOR PREMIXED DRY PACKAGE CONC. BAG ALTERNATED WILL BE ALLOWED.
4. THE RIPRAP TOEWALL SHALL BE GROUTED IN PLACE FOR THE FULL DEPTH, EXCEPT THE SURFACE.

TYPICAL SECTION THRU RIPRAP TOEWALL





REBAR SCHEDULE

Bar	Shape	No.	Length	Wt. (lbs)
a1		1	2'-6"	5.21
a2		1	2'-5"	3.93
a3		1	3'-2"	3.45
a4		1	3'-5"	3.73
a		2	4'-1"	5.74
c		4	2'-7"	11.50
d		1	2'-5"	4.12
e		1	2'-2"	1.93
Total Rebar				39.40 lbs
Concrete				0.27 C.Y.

A Deduction in Concrete Quantities has been Made for Pipe Openings Through the Headwall

* Field Bend or Cut Reinforcing as Required for Clearance

All Concrete Reinforcement to be #4 Rebar

All Rebar to Have Min. of 1 1/2" Min. Cover

GENERAL NOTES

1. ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO CONCRETE HEADWALL
2. CONCRETE USED IN HEADWALL CONSTRUCTION SHALL BE SAME AS PER CITY STANDARD PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
3. ALL EXPOSED EDGES SHALL BE BEVELED 1/2".
4. REINFORCING STEEL SHALL COMPLY TO A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
5. THE "REIN. CONC. HEADWALL" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE WHICH SHALL INCLUDE ALL LABOR, MATERIALS, EXCAVATION, CONCRETE, REINFORCING STEEL AND ALL OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK. MATERIAL QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

HEADWALL FOR 15" RCP

Baughman

City of Wichita Standard

Drop Inlet Detail

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.262.2221 F 316.262.2469
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 1594.PFS.66728.11

DESIGN: C.O.W. DRAWN: Staff

APPROVED: DATE: 11/05

REVISIONS:

SCALE: None

SHEET: 2 OF 12

Value Place Ridge Rd DROPINLT2 05-07-E299

LEGAL DESCRIPTION:

A tract lying within Lot 7, Block B, Ridge Plaza 5th Addition, Wichita, Kansas, Sedgwick County, Kansas described as beginning at the NW corner of said Lot 7, thence northeasterly along the northwesterly line of said lot 7, said northeasterly line being a curve to the left having a radius of 280.00 feet, an arc length of 128.06 feet, a chord length of 126.94 feet, and a chord bearing of N67°09'22"E, thence S33°34'38"E, 152.45 feet; thence S00°00'00"W, parallel with the east line of said Lot 7, 288.22 feet; thence S78°49'19"E, 84.62 feet to a point on the easterly line of said Lot 7; thence S03°58'00"W, along the easterly line of said Lot 7, 97.58 feet to the southeast most SE corner of said Lot 7; thence S82°45'45"W, along the south line of said Lot 7, 144.87 feet to a PK in the south line of said Lot 7; thence S83°28'48"W, along the south line of said Lot 7, 126.03 feet to the southeast most SW corner of said Lot 7; thence N03°03'08"W, along the west line of said Lot 7, 345.00 feet; thence S90°00'00"W, 30.00 feet; thence N00°00'00"W, 161.09 feet along the west line of said Lot 7, to the point of beginning.

BENCHMARK:

"□" Chiseled on Top of Curb at NW Corner of Lot 7, Blk B, Ridge Plaza 5th Addition.

SITE INFORMATION:

PARKING PROVIDED: 88 STALLS TOTAL, INCLUDING 3 ACCESSIBLE

TOTAL SITE AREA: 107,919.0 SQ.FT.
2.48 ACRES

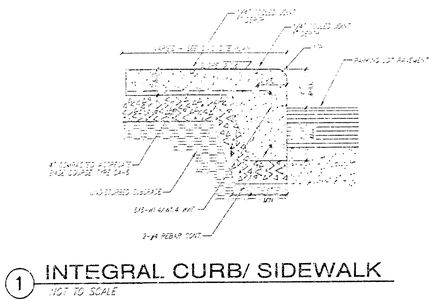
IMPERVIOUS AREA: 49,364.65 SQ.FT.
1.13 ACRES
45.8% OF TOTAL SITE

GRADING NOTES:

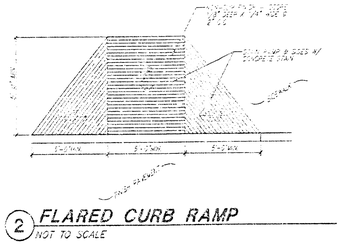
1. Contractor shall be required to provide notice to Kansas One Call at 637-2470 a minimum of two (2) working days prior to any excavation or work adjacent to utilities.
2. The Contractor must notify the following in case of an emergency:

   Kansas Gas Service (Gas).....1-888-482-4950
   Aquila Energy (Gas).....1-800-303-0357
   Westar Energy (Electric).....393-8650
   Cox Communications (Cox division).....262-4270
   SBC (Phone).....268-2245/1-800-288-8313
   City of Wichita Water Dept. (Water)...268-4563/268-4958
   City of Wichita Sewer Dept. (Sewer)...268-4624/268-4500
   City of Wichita Storm Sewer Maint. (Storm Sewer)...268-4360
   City of Wichita Traffic Maint. (Traffic Control)...268-4036/268-4203

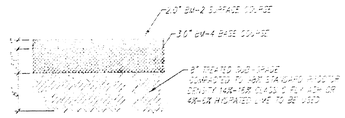
3. Existing utilities and their locations, as shown on the plans, represent the best information available for design. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The Contractor will be required to work around existing utilities which do not conflict with proposed construction.
4. Traffic affected by the construction on this project shall be handled in accordance with the latest edition of the Local Manual on Uniform Traffic Control Devices.
5. The Contractor shall verify all utility locations prior to construction of this project.
6. Temporary seed shall be planted when permanent sod cannot be used due to seasonal limitation with Annual Ryegrass applied at a rate of 5#/1000sf.
7. Signing and striping shall be installed in accordance with Local City Specifications and Codes. Striping shall be painted markings in conformance with the latest edition of the Standard Specifications for State Road and Bridge Construction by the Kansas Department of Transportation. Striping Color to Be Selected By Owner.
8. Paved Lot to be constructed with Paving as shown. Subgrade to be compacted to 95% Standard Proctor Density and treated with 8" Flyash stabilized, or 9" Crushed Rock with Tensar. Refer to pavement details to verify depths and Paving type.



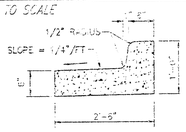
1 INTEGRAL CURB/ SIDEWALK
NOT TO SCALE



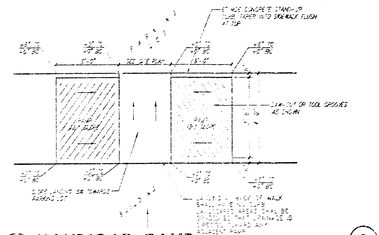
2 FLARED CURB RAMP
NOT TO SCALE



4 LIGHT DUTY ASPHALT SECTION (5")
NOT TO SCALE



3 LOW EDGE CURB & GUTTER
NOT TO SCALE



5 HANDICAP RAMP
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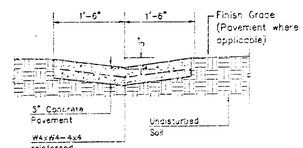


6 CONCRETE FLUME
NOT TO SCALE

SITE GRADING PLAN

Not To Scale ~~Scale 1" = 30'-0"~~

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

F: Eng\Value Place-Ridge Rd\siteplan.dwg

NOTE:

THE ARCHITECT HAS NOT ENGINEERED ANY OF THE DESIGNS ABOUT A/C, PLUMBING, ELECTRICAL, SUBSTRUCTURE, SUPERSTRUCTURE, CONSTRUCTION METHODS, SAFETY PRECAUTIONS, OR ANY OTHER ENGINEERING ASPECTS OF THE PROJECT.

ARCHITECT:
Alan L. Pape
CONTACT INFORMATION
Mark
105 N. Washington Wichita, Kansas 67
ph 316.262.4700 fx 316.262.8032

VALUE PLACE
121 UNIT
West Kellogg & Mid Continent Road
Wichita, KS

PRINTS ISSUED
09.09.05
11.04.05

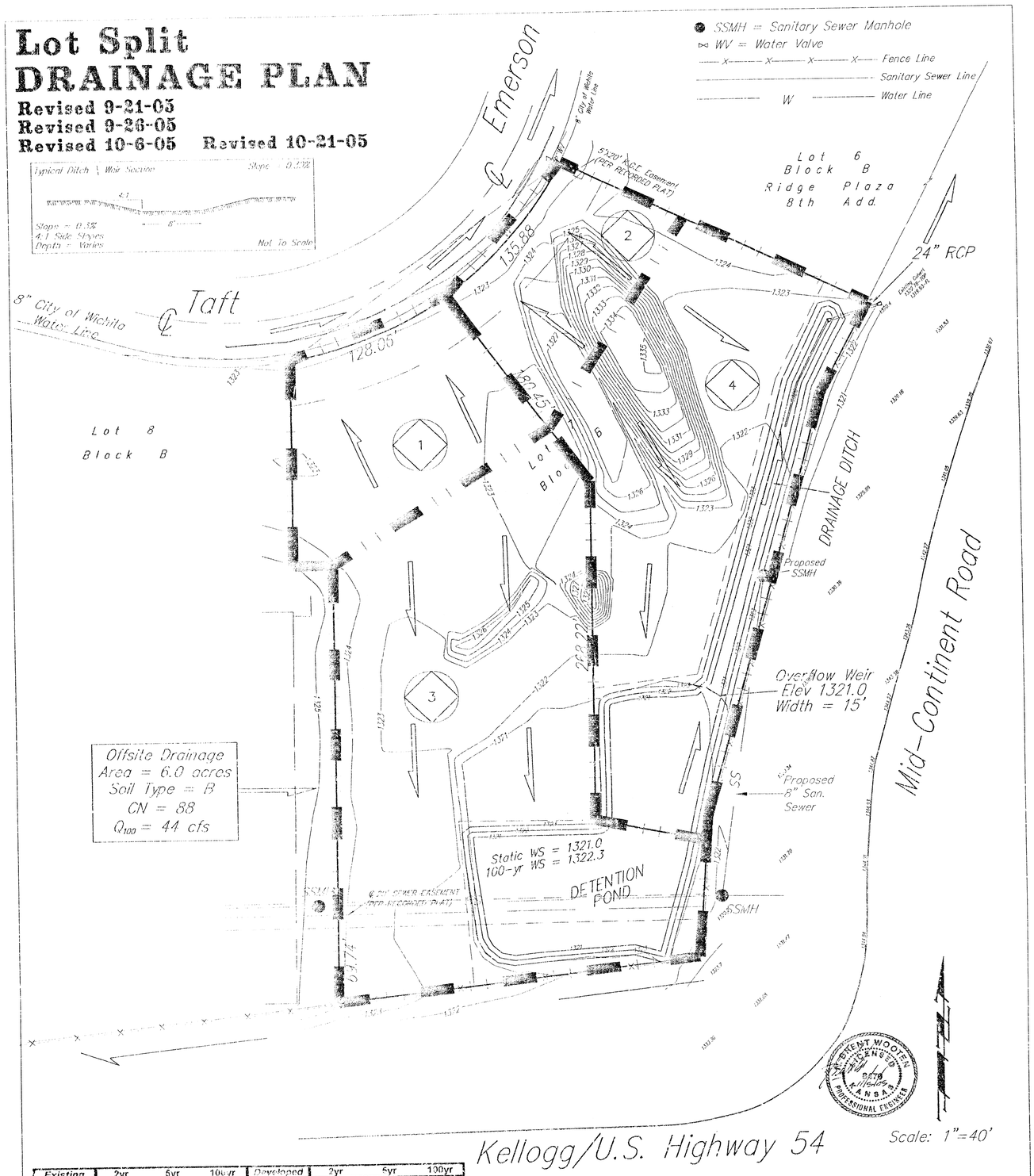
JOB NO. 05094.2 drawn: checked:

SITE GRADING PLAN

SG-1

Lot Split
DRAINAGE PLAN

Revised 9-21-05
Revised 9-26-05
Revised 10-6-05 **Revised 10-21-05**



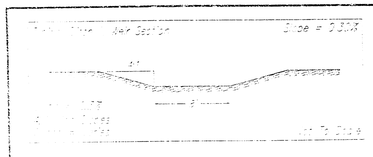
Existing	2yr	5yr	100yr	Developed	2yr	5yr	100yr
Intensity	3.83	4.56	7.37	Intensity	3.83	4.56	7.37
Rational C	0.4	0.45	0.65	Rational C	0.68	0.7	0.85

Basin ID	Area	Existing Flowrates			Developed Flowrates		
	acres	2-yr cfs	5-yr cfs	100-yr cfs	2-yr cfs	5-yr cfs	100-yr cfs
1	0.5	0.8	1.0	2.4	1.3	1.6	3.1
2	0.4	0.6	0.8	1.9	1.0	1.3	2.5
3	2.0	3.1	4.1	9.6	5.2	6.4	12.5
4	1.5	2.3	3.1	7.2	3.9	4.8	9.4
TOTAL	4.4	6.7	9.0	21	11.5	14	28

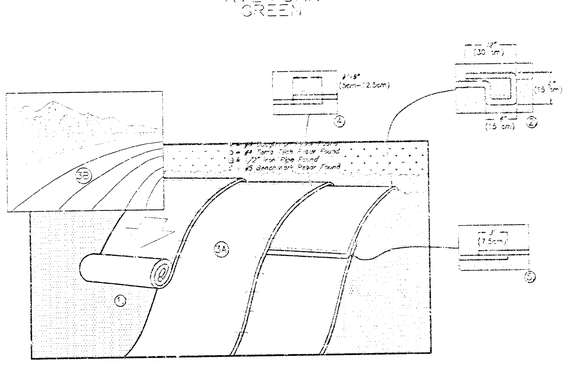
Project No. 05-07-P702

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

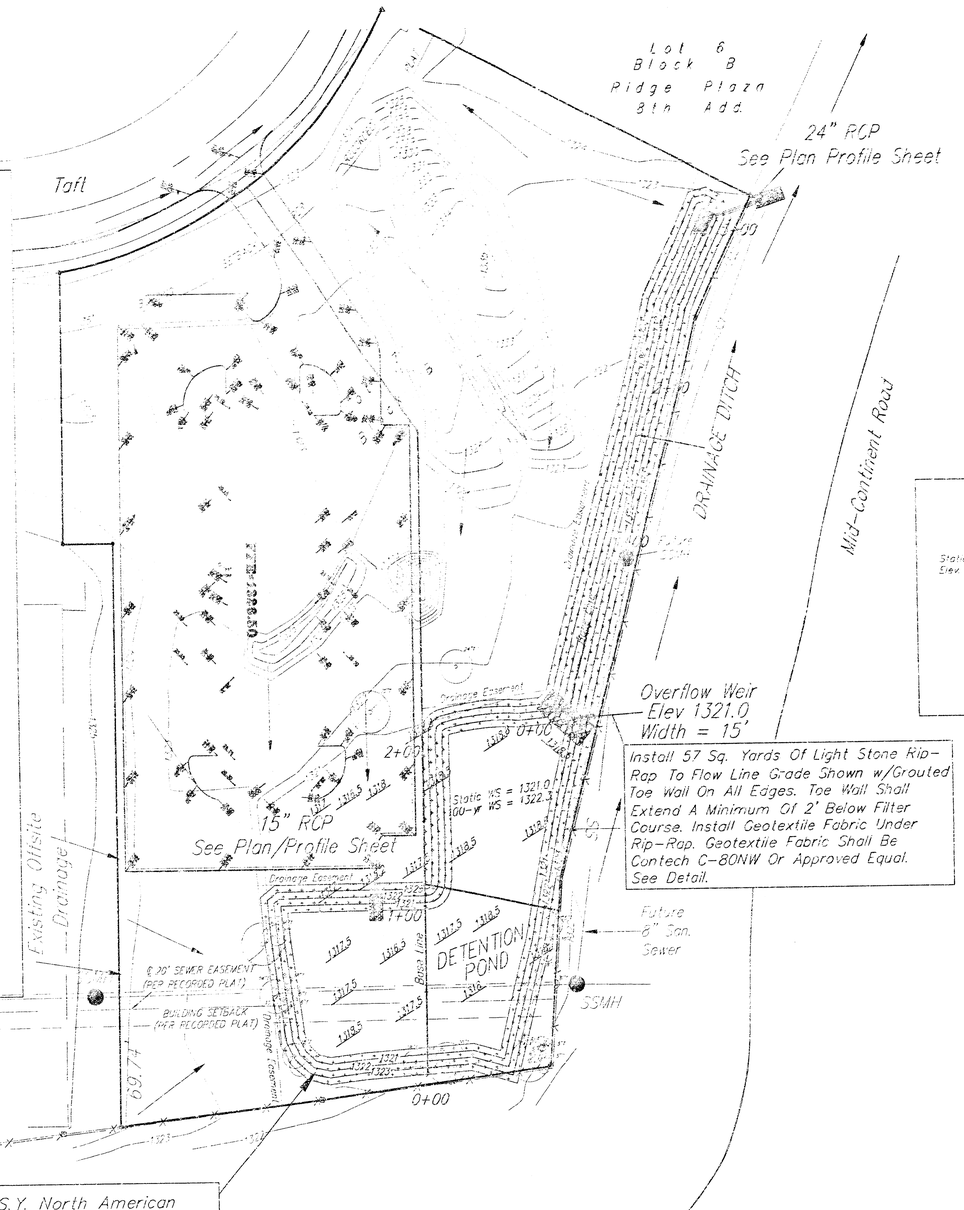
F:\HYDRO\Projects\RidgePlaza8th\rdgplaza8lot7.dwg



SLOPE INSTALLATION



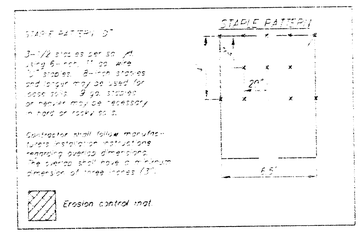
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE UNDERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE

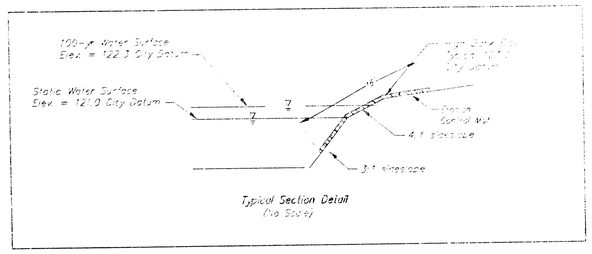


Install 57 Sq. Yards Of Light Stone Rip-Rap To Flow Line Grade Shown w/Grouted Toe Wall On All Edges. Toe Wall Shall Extend A Minimum Of 2' Below Filter Course. Install Geotextile Fabric Under Rip-Rap. Geotextile Fabric Shall Be Contech C-80NW Or Approved Equal. See Detail.

Install 2380 S.Y. North American Green Erosion Control Mat S150BN Or Approved Equal. Erosion Control Mat Shall Be Installed & Anchored Per Details This Sheet.
Note: This Quantity Does Not Include Excess Material Necessary For Overlap & Anchoring.

Kellogg/U.S. Highway 54





Typical Section Detail
(no Scale)

- SSMH = Sanitary Sewer Manhole
- WV = Water Valve
- —X—X—X—X— Fence Line
- Sanitary Sewer Line
- W Water Line

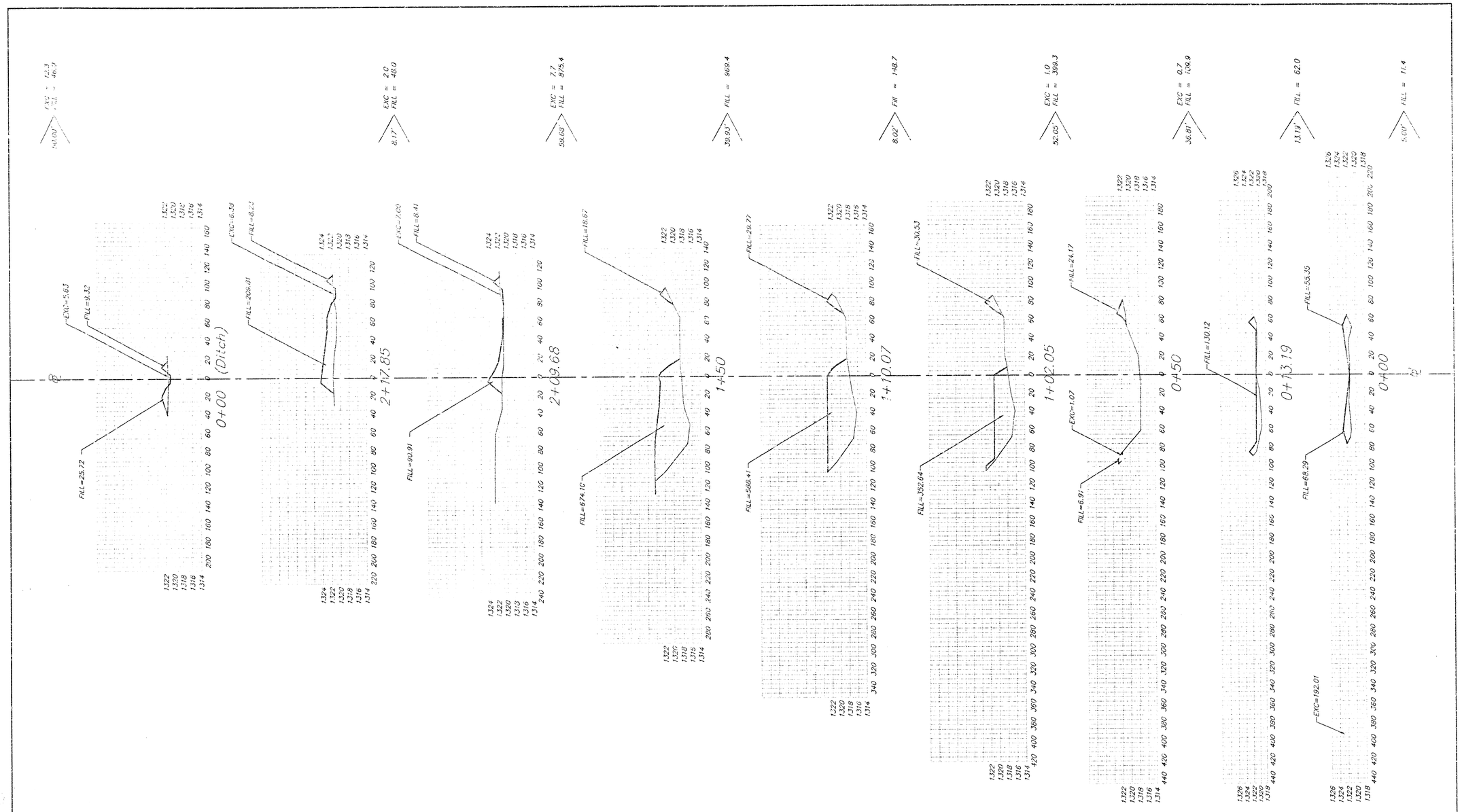
- Proposed Grade
- 1317.5 Existing Pond Grade
- Erosion Control Mat

Pond Plan To Serve
Ridge Plaza 8th Addition
Part of Lot 7, Block B

Baughman Company, P.A. 115 Ella St. Wallace, KS 67761 P 785.891.2221 F 785.891.2299
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECT, P.A.

PROJECT NUMBER: 1594 PPS (6078611)
DESIGN: LU
DRAWN: LU
APPROVED: LU
DATE: 11/05
REVISIONS:
SCALE: None
SHEET: 5 OF 12

Value Place-Ridge Rd\Print 05-11-2299



SHEET TOTAL:
EXCAVATION = 24 C.Y.
FILL = 2,670 C.Y.

Baughman

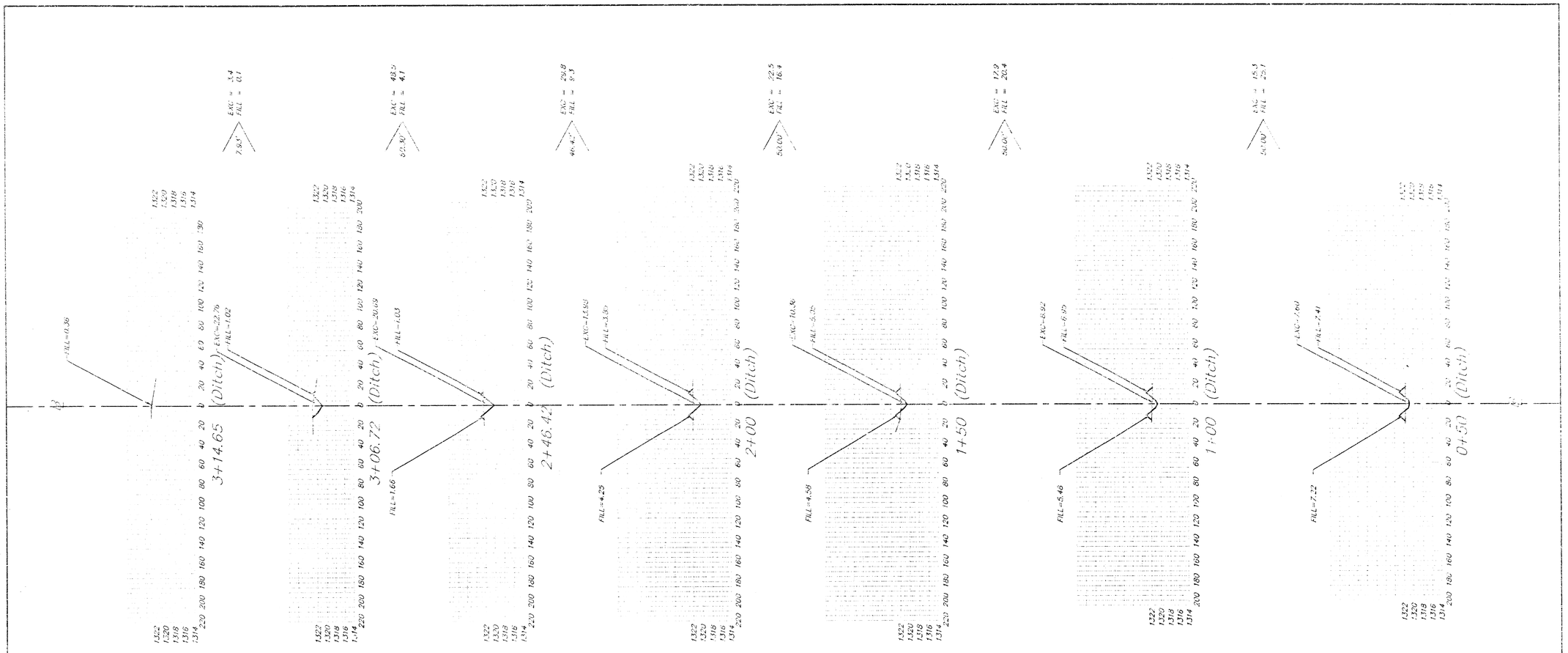
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER
1594 PPS (607861)

SHEET
6 OF 12

Valve Place-Ridge Rd\Pond Cross Sec 1

05-07-E299



SHEET TOTAL:
EXCAVATION = 137 C.Y.
FILL = 75 C.Y.

Baughman

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-267-7271 F 316-267-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER
1594 PPS (607861)

SHEET
7 OF 12

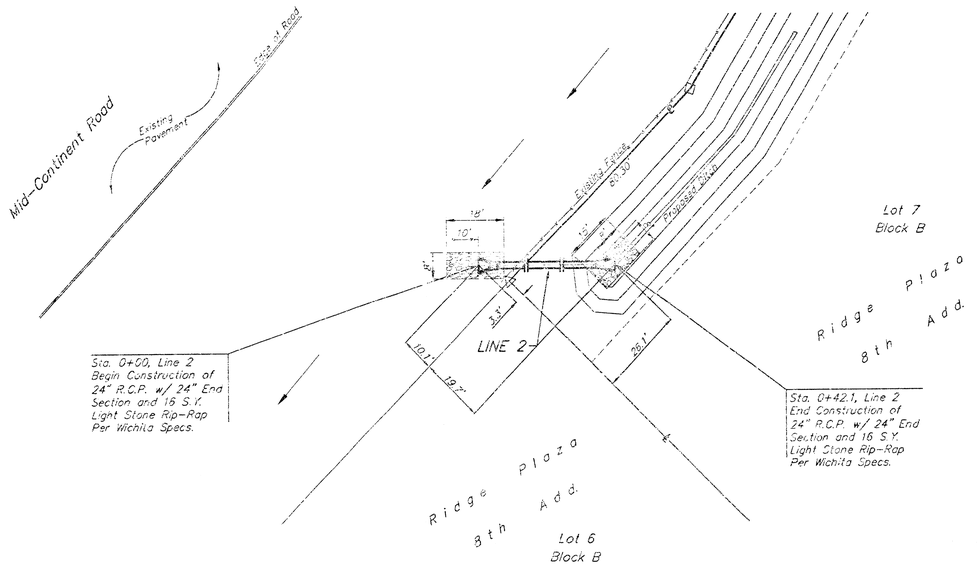
Value Place- Ridge Rd\Pond Cross Sec 2

05-07-E299

BENCHMARKS:

1. "□" Chiseled on top of curb North of Northwest Corner of Lot 7, Block B, Ridge Plaza 8th Addition, Wichita, Kansas. Elevation = 1322.29 M.S.L.

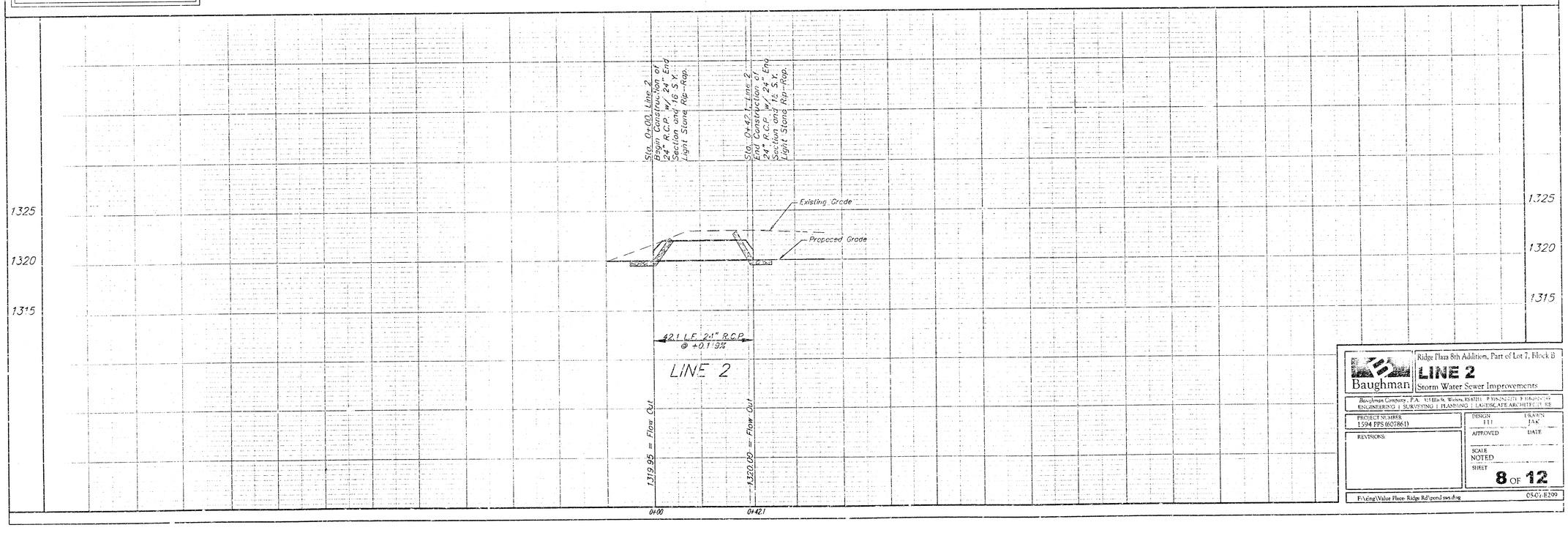
2. "□" Chiseled on top of curb Northwest of Northern most Northeast Corner of Lot 7, Block B, Ridge Plaza 8th Addition, Wichita, Kansas. Elevation = 1321.41 (MSL)



SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON

NOTE:

Install Light Stone Rip-Rap To Flow Line Grade Shown w/Grouted Toe Wall On All Edges. Toe Wall Shall Extend A Minimum Of 2' Below Filter Course. Install Geotextile Fabric Under Rip-Rap. Geotextile Fabric Shall Be Contech C-80NW Or Approved Equal. See Detail.



Baughman

Ridge Plaza 8th Addition, Part of Lot 7, Block B

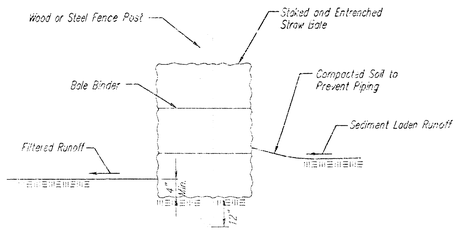
LINE 2

Storm Water Sewer Improvements

Baughman Company, P.A. 315 Elm St. Wichita, KS 67211 P 316-262-2271 F 316-262-7349
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 1594 PPS (607861)	DESIGN TTT / DRAWN JAK
REVISIONS:	APPROVED / DATE
	SCALE NOTED
	SHEET 8 OF 12

F:\eng\Value Place- Ridge Rd\pond sws.dwg 05-07-E299



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.

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:

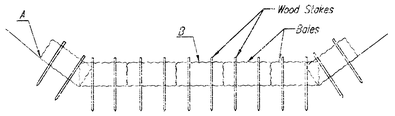
When practicable, do not place bale slope barriers across contours. Slope barriers should be placed along contours to avoid a concentration of flow. Concentrated flow over a slope barrier creates a scour hole on the downslope side of the barrier. The scour hole eventually undermines the bales and the 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?

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 5' 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.
Checks should not be placed in ditches where high flows are expected. Rock checks should be used instead.
Cells 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

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 5" 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".

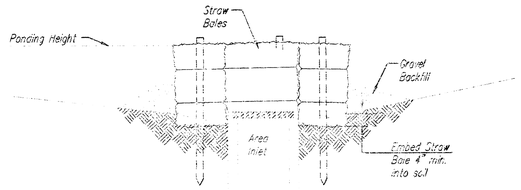
List of common placement/installation mistakes to avoid:

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.

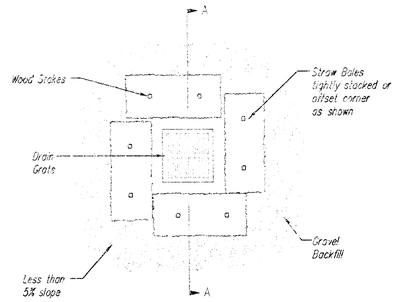
Inspection and Maintenance:

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.

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.

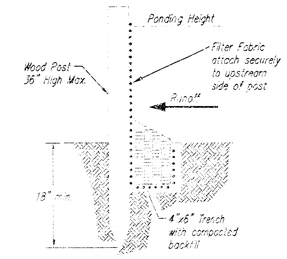
List of common placement installation mistakes to avoid:

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?



SILT FENCE BARRIERS

SILT FENCE BARRIERS

Material Specification:

Silt fence fabric should conform to the AASHTO M288 35 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 35" 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?

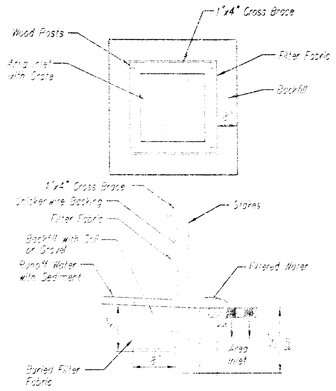
Baughman

Erosion Control Details

Baughman Company, P.A. 315 Main Wichita KS 67211 T 316.267.0271 F 316.267.0141
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER	DESIGN	DRAWN
1594 EPS (607861)	Staff	Staff
REVISIONS:	APPROVED	DATE 11/05
	SCALE None	
	SHEET 9 OF 12	

Value Place-Ridge Rd\SEBMP_Baughman_DTL51-R14 05-07-E299



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.

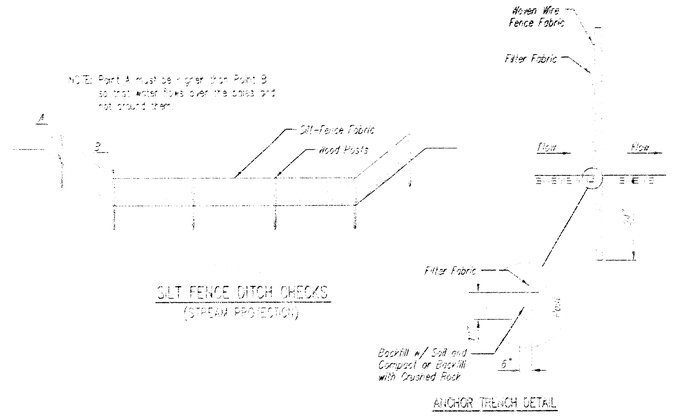
List of common placement/installation mistakes to avoid:

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 DITCH CHECKS
(UPSTREAM PROJECTION)

ANCHOR TRENCH DETAIL

Material Specification:

Silt fence wabric 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 up 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.
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.

This 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.

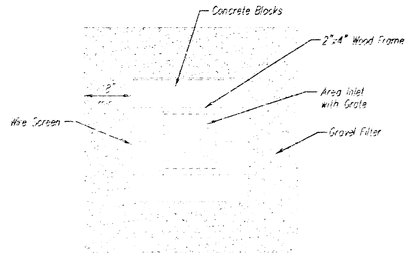
List of common placement/installation mistakes to avoid:

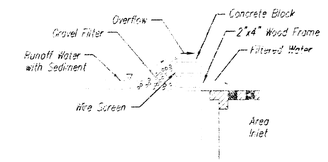
Water should flow through a silt fence ditch check--not over it. Place silt fence in ditches where it is unlikely that it will be overtopped. Silt fence installations quickly deteriorate when water overtops them.
Do not place silt fence posts on the upstream side of the silt fence fabric. In this configuration, the force of the water is not restricted by the posts, but only by the 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?





CONCRETE BLOCK FILTER FOR AREA DRAIN
(INLET PROTECTION)

Gravel barriers provide little filtering of large inflow waters. However, when installed correctly and maintained, they can effectively treat low runoff flows.

Placement of gravel filters around area drains must be completed in a manner that will not cause local flooding.

Gravel filters can be used if the immediate and adjacent area to the area drain consists of soil or pavement.

Only gravel filters are to be installed on top of the pavement.

Instructions for Installing:

STEP 1: Place concrete blocks around the grate. The blocks can be stacked one or two high and should be supported by a 2"x4" board.
STEP 2: Wrap 1/2" mesh wire screen around the concrete blocks.
STEP 3: Place 1" to 1-1/2" diameter rock around the blocks and wire screen. Be sure the rock extends down from the top of the concrete block.
STEP 4: To prevent damage to vehicles, signs warning drivers about the structures may be necessary.

An alternative method is use of gravel bags that are supported to prevent collapsing.

Use of rock having diameters smaller than 1" may result in clogging of pores and reduce the amount of water flowing into an inlet.

Maintenance:

All gravel filters installed around area drains should be inspected and repaired after each runoff event. Sediment should be removed when material is within 3" of the top of any block. Periodically, the gravel should be raked to increase infiltration and filtering of runoff waters. Accumulated sediment is to be removed immediately from roads and streets after every runoff event.

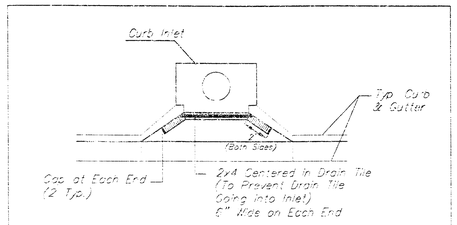
Baughman

Erosion Control Details

Baughman Company, P.A. 3151 Raleigh-Wilkesboro Hwy. (421) P.O. Box 1829 Wilkesboro, NC 28697 (336) 667-2213 FAX (336) 667-2214
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

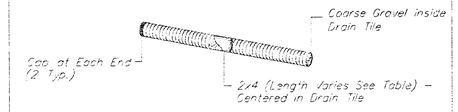
PROJECT NUMBER	DESIGN	DRAWN
1504 PPS (607861)	Staff	Staff
REVISIONS:	APPROVED	DATE 11/05
	SCALE None	
	SHEET 10 OF 12	

M:\Apr Place Files\R&S\ERW\P_Baughman_UTLS2.R14 05-07-E299

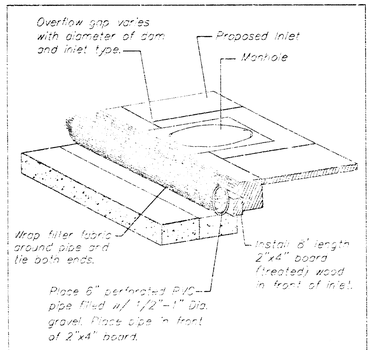


Note:
Place 4" perforated PVC pipe filled w/ 1/2"–1" Dia gravel. Place pipe in front of Curb Inlet as Shown.

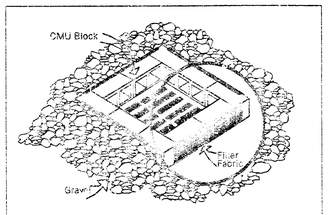
2x4 LENGTH	INLET TYPE	INLET OPENING
5'–6"	1–A	5'–0"
10'–6"	1–A	10'–0"
15'–6"	1–A	15'–0"



CURB INLET PROTECTION
4" Perforated Pipe w/ Gravel



INLET PROTECTION
Perforated Pipe w/ Gravel

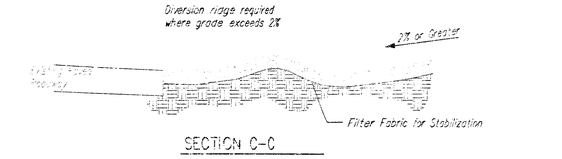


NOTES:
Frequent maintenance is required to minimize short–circuiting and to remove sediment deposits and buildup.

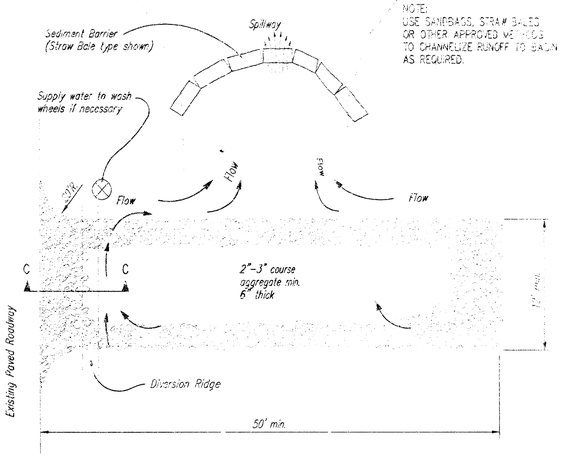
Wrap filter fabric around all CMU block and backfill with 2"–3" gravel rock to allow sediment deposits.

DO NOT cover inlet or grate with filter fabric.

INLET PROTECTION
Storm Drain with Gravel Apron



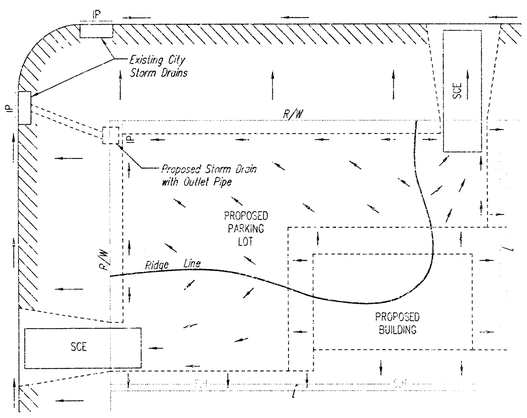
SECTION C–C



STABILIZED CONSTRUCTION ENTRANCE

NOTES:

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



Flow Direction

IP — Inlet Protection – to be provided at all inlets subject to silt laden runoff.

Silt Fence or Hay Bale Barrier – to be installed along property lines where runoff from construction site can run onto other properties.

SCE — Stabilized Construction Entrance – to be used at all locations where vehicles or equipment enter or exit property.

Back of Curb Protection – to be installed whenever curb is backfilled to less than 3 inches from top and disturbed earth exists adjacent thereto. (See City Standard Details.)

General Notes

1. This standard detail sheet is a part of your building permit. The BMP's shown on this sheet are considered minimum standards. Whenever sediment enters the streets, storm sewers, ditches, or ponds, contractor will install additional BMP's, as needed, to correct the problem.
2. Follow these general principals on all commercial building sites.
3. The soil erosion BMP's shown hereon must be in place at all times during construction until such time as the site is re–established with paving or grass.
4. Failure to install, protect, and maintain BMP's are violations of Section 16.32 of the City Code and will subject the contractor to the penalties provided therein. Included with your permit is an orange "notice" sign that must be posted on–site in a conspicuous place at all times during construction. This sign is provided to assist you in the maintenance of BMP'S.
5. Back of Curb Protection: Can include hay bale, silt fence, or Curlex barrier, as shown on City BMP standard details. This BMP must remain in place until the area between the curb and right–of–way line has been permanently stabilized.
6. The General Contractor is responsible for the installation and maintenance of all BMP's.
7. Should the site abut a lake, BMP's will be installed to prevent sediment from entering the lake.
8. Any mud inadvertently tracked onto any street will be cleaned up by the general contractor at the end of each day's work.

Baughman

Erosion Control Details

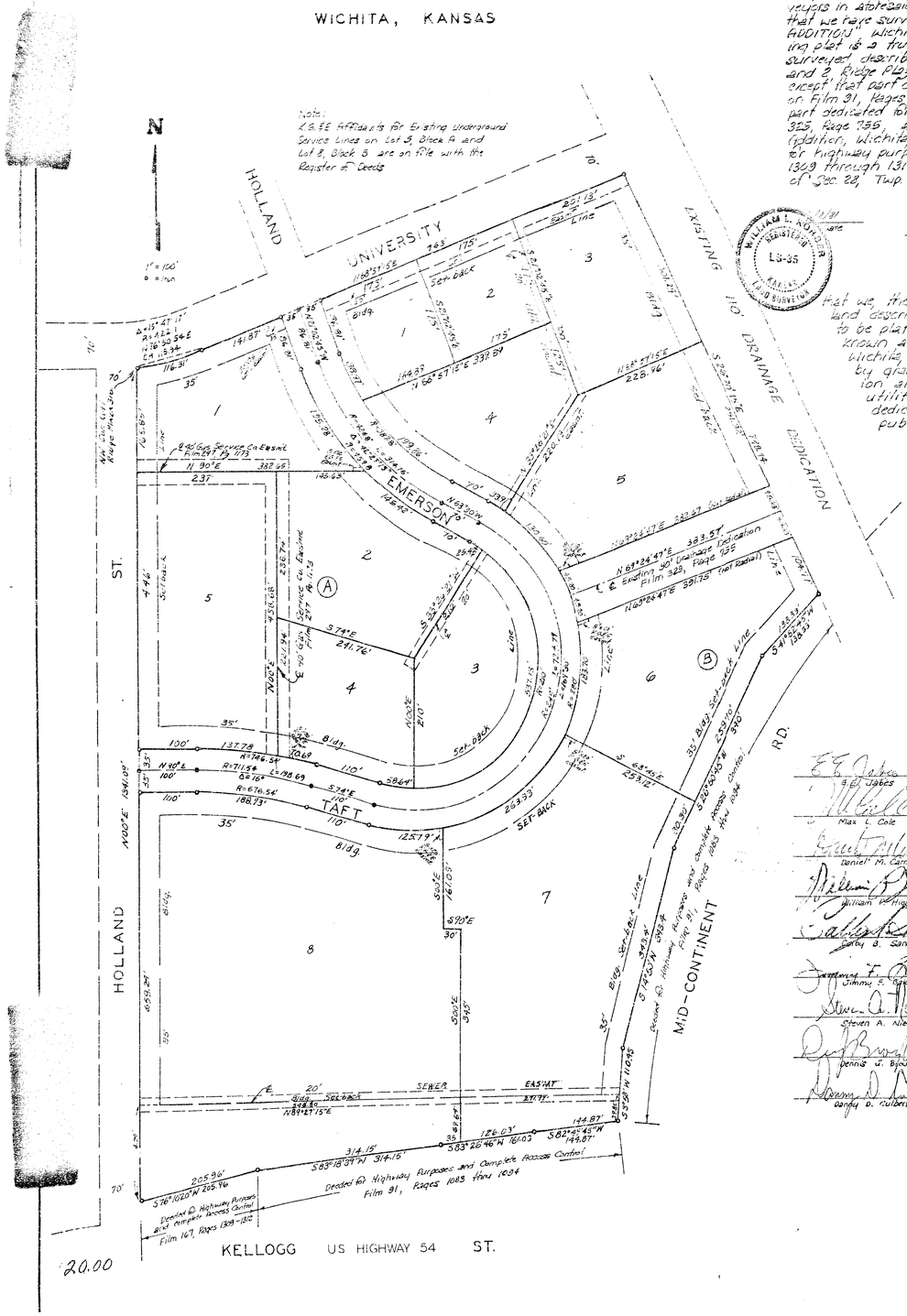
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316.267.7211 F 316.267.7249
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER	DESIGN	DRAWN
1594 PPS (607861)	Staff	Staff
REVISIONS	APPROVED	DATE 11/05
	SCALE None	
	SHEET 11 OF 12	

Wet Place Ridge Rd\SEBMP_Baughman_DTL33.DT14 05-07-E299

RIDGE PLAZA 8TH. ADDITION

WICHITA, KANSAS



State of Kansas } SS.
Sedgwick County }

We, Beachman Company, P.A., Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "RIDGE PLAZA 8TH. ADDITION", Wichita, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of Lots 1 and 2, Ridge Plaza 3rd. Addition, Wichita, Kansas, except that part deeded for highway purposes, recorded on Film 91, Pages 1083 through 1094 and except that part dedicated for drainage purposes, recorded on Film 325, Page 735, and Lot 1, Block 2, Ridge Plaza 4th Addition, Wichita, Kansas, except that part deeded for highway purposes, recorded on Film 167, Pages 1309 through 1312. All being situated in the NE¼ of Sec. 28, Twp. 27S, R-1-W.

Beachman Company, P.A.

11/81
date

William L. Kolker — Surveyor

WILLIAM L. KOLKER REGISTERED LS-35 KANSAS LAND SURVEYOR

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into Lots and Streets to be known as "RIDGE PLAZA 8TH. ADDITION", Wichita, Kansas. The easements are hereby granted as indicated for the construction and maintenance of all public utilities. The Streets are hereby dedicated to and for the use of the public.

Cole & Carney Joint Venture, Inc.
Max L. Cole — President

Ridge Plaza Associates
Max L. Cole — Managing Partner

Westchester Square Apartments, a Texas Limited Partnership
Max L. Cole — General Partner

Mercar, Inc.
Max L. Cole — President

E.E. Jabes — Clare M. Jabes
Max L. Cole — Dody Cole
Daniel M. Carney — Beverly L. Carney
William P. Higgins — Ila R. Higgins
Gerby B. Sandlian — Genevieve B. Sandlian
Jimmy E. Baker — Donna J. Baker
Steven A. Nienke — Vickie L. Nienke
Dennis J. Brough — Julie L. Brough
Danny D. Culbertson — Dixie S. Culbertson

State of Kansas } SS.
County of Sedgwick }

The foregoing instrument was acknowledged before me, this 22nd day of July 1981, by [illegible], General Partner of Westchester Square Apartments, a Texas Limited Partnership.

Shirley A. Dillon — Notary Public

My Comm Exp 3-4-83

We, the undersigned, holders of mortgages on portions of the above described property, do hereby consent to this plat of "RIDGE PLAZA 8TH. ADDITION", Wichita, Kansas.

Fidelity Savings Association of Kansas
A. Paul Smith Gasham — Board Chairman

Boulevard State Bank
Robert T. Mastin — President
Daniel M. Carney

Union National Bank
[illegible] — Senior Vice President

The College Life Insurance Company of America
Richard A. Funches — President

Ridge Plaza Associates
Max L. Cole — Managing Partner

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 1st day of July 1981, by [illegible], Board Chairman of Fidelity Savings Association of Kansas.

Notary Public
My Comm. Exp. 12-13-84

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 4th day of July 1981, by [illegible], President of Boulevard State Bank.

CYNTHIA D. WALSH NOTARY PUBLIC Sedgwick County, Kansas My Comm. Exp. 2-3-85

Cynthia D. Walsh — Notary Public

My Comm. Exp. [illegible]

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 2nd day of July 1981 by Daniel M. Carney, Mortgagor.

Shirley A. Dillon — Notary Public

My Comm. Exp. 12-13-84

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 11th day of March 1982, by [illegible] Vice President of Union National Bank.

M. King — Notary Public

My Comm. Exp. 3-4-84

CAROL M. KING NOTARY PUBLIC Sedgwick County, Kansas My Appt. Exp. 3-4-84

State of Indiana } SS.
County of Marion }

The foregoing instrument was acknowledged before me, this 2nd day of July 1982 by [illegible], President of The College Life Insurance Company of America.

Karen Rae Evans — Notary Public
Karen Rae Evans
Marion County

My Comm. Exp. 3/19/85

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 2nd day of July 1981 by [illegible], Managing Partner of Ridge Plaza Associates.

Shirley A. Dillon — Notary Public

My Comm. Exp. 12-13-84

This plat of "RIDGE PLAZA 8TH ADDITION", Wichita, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 14th day of April 1982.

Wichita-Sedgwick County Metropolitan Area Planning Commission

James [illegible] — Chairman
Robert A. Lakin — Secretary

This plat approved and dedications shown hereon accepted by the Board of City Commissioners of the City of Wichita, Kansas, this 6th day of April 1982.

R. C. Brown — Mayor
Donald C. Gisick — City Manager

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners, Sedgwick County, Kansas, this 15th day of April 1982.

Jack Brett — Chairman
Tom Scott — Commissioner
Gerald E. Gleason — Commissioner
Dorothy K. White — County Clerk
Dorothy K. White By Michael T. Sawyer Deputy
BY MICHAEL T. SAWYER Deputy

Entered on transfer record this 15th day of April 1982.

Dorothy K. White — County Clerk
Dorothy K. White By Michael T. Sawyer Deputy
BY MICHAEL T. SAWYER Deputy

#579098

State of Kansas } SS.
Sedgwick County }

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 15th day of April 1982, at 10:00 o'clock A. M.; and is duly recorded.

Bette F. McCart — Register of Deeds
Bette F. McCart

Pat Kettler — Deputy
Pat Kettler

State of Kansas } SS.
Sedgwick County }

The foregoing instrument was acknowledged before me, this 2nd day of July 1981, by Max L. Cole, President of Cole & Carney Joint Venture, Inc. and by Max L. Cole, Managing Partner of Ridge Plaza Associates and by Max L. Cole, President of Mercar, Inc. and by E.E. Jabes and Clare M. Jabes, his wife, and by Max L. Cole and Dody Cole, his wife, and by Daniel M. Carney and Beverly L. Carney, his wife and by William P. Higgins and Ila R. Higgins, his wife and by Gerby B. Sandlian and Genevieve B. Sandlian, his wife, and by Jimmy E. Baker and Donna J. Baker his wife and by Steven A. Nienke and Vickie L. Nienke, his wife and by Dennis J. Brough and Julie L. Brough, his wife, and by Danny D. Culbertson and Dixie S. Culbertson, his wife.

Mark M. Savoy — Notary Public

My Comm. Exp 12 May 83 — 19 13 01 03

MARK M. SAVOY NOTARY PUBLIC