

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

Kansas One-Call (316)687-2470

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

Cox Communications or (316)262-4270
(316)263-2061

Westar Energy/
Kansas Gas & Electric Company (800)482-4950
AT&T 1-555-1212
City of Wichita Water Department (316)268-4908
City of Wichita Sewer Department (316)268-4071
Aquila Natural Gas (316)941-1608
or (800)303-0357

- Exist. utilities and their locations, as shown on the plans, represent the best information attainable 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 constructions.

- The Contractor to verify utility locations prior to construction of this project.

- Utility service and installation shall be coordinated with the respective utility owner. Contacts are:

Kansas Gas Service Jim Coe (316)832-3126
Westar Energy Miles Capps (316)261-6251
Aquila Networks Calvin Briggs (316)942-8811
Wichita Water & Sewer Kerry Gibson (316)268-4555
AT&T Jim Toben (316)268-2759
Cox Communications Mark Anaya (316)262-4270

- All lawn/turf areas disturbed by construction of proposed improvements shall be restored with the same grass as existing. Restoration of disturbed areas shall include, but not limited to, soil preparation, fertilizing, seeding, mulching (all seeded areas, outside the limits of erosion mat placement), and/or reseeding, and installation of erosion control mat. All seeding work shall be in accordance with the City of Wichita Standard Specifications and the City of Wichita Administrative Regulations No. AR 6.5 which governs cleanup and respiration or replacement following construction. All cost for the soil preparation, seeding and mulching (all seeded areas, outside the limits of erosion mat placement) shall be paid for through the lump sum bid item for "Seeding." All seeded areas within eight feet of the back of new curb shall be covered with an approved erosion mat, which shall be paid for by the measured quantity bid item "Back of Curb Protection (8' wide)."

- Traffic affected by the construction of this project shall be handled in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

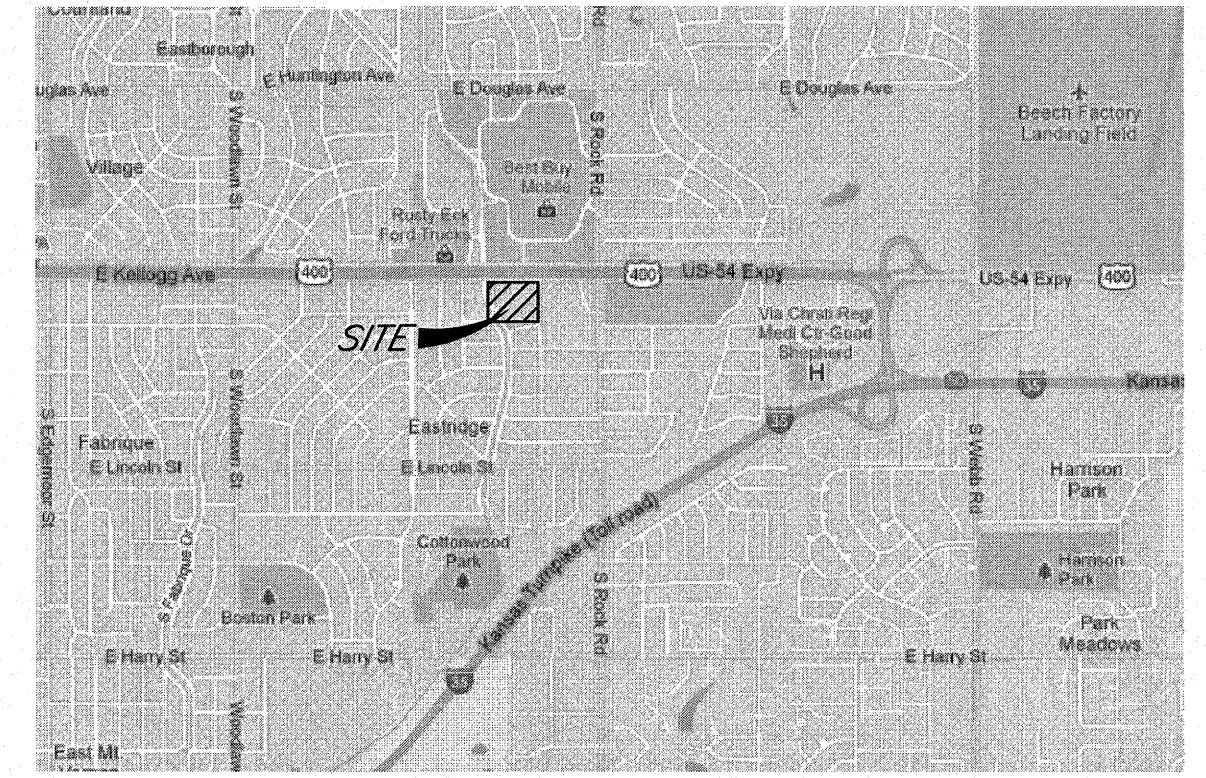
- It is the contractor's responsibility to visit this site to better understand the extent of site clearing and restoration to be performed. Site Clearing and Restoration shall include all costs for removal of items which a pay item is not provided.

- The contractor shall be responsible for preserving property irons. The contractor will be required to re-establish any property irons which are damaged or destroyed by the construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

- Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The contractor will be required to salvage all sprinkler heads and/or valves and give such material to owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items for work.

- Cuts made in paved surfaces on public property will be repaired by the City's Contractor and charged against the contractor. Unit Repair prices are available from the city at 268-4418. A surcharge may be applicable. Call 268-4418 for details. Repair costs to be paid prior to release of utility service if utilities are effected.

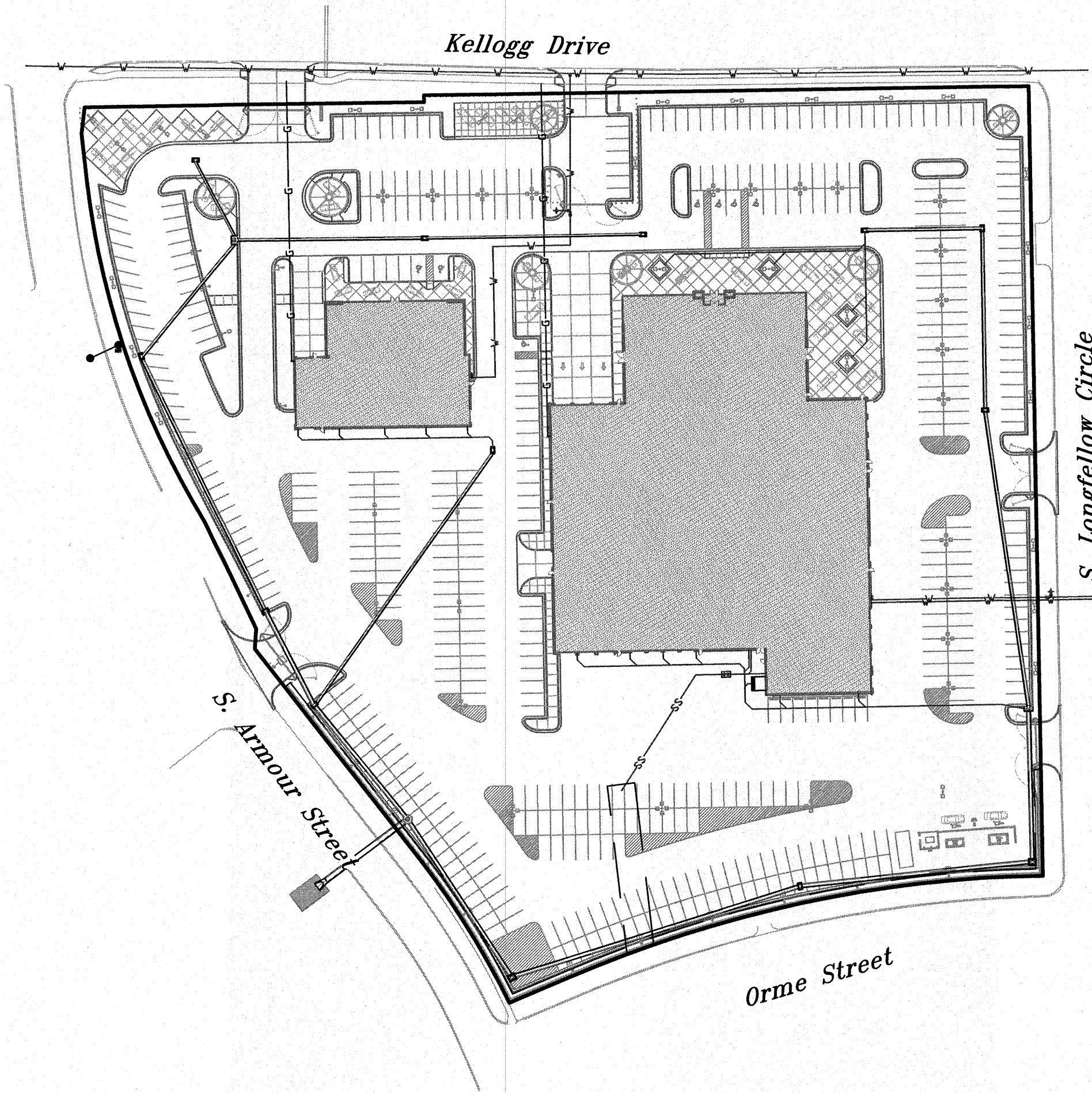
STORMWATER SEWER TO SERVE DAVIS-MOORE CHRYSLER-FIAT E. KELLOGG 0155 PPD (607861) CITY OF WICHITA, KANSAS Gary Janzen, P.E., City Engineer



LOCATION MAP
(For Reference Only)

Index of Sheets:

- C4.0 Cover Sheet
- C4.1 Drainage Plan
- C4.2 ERU Plan
- C4.3 Grading Plan
- C5.0 Plan Sheet
- C5.1 Plan and Profile Line 1
- C5.2 Plan and Profile Line 2
- C5.3 Plan and Profile Line 2
- C5.4 Plan and Profile Line 2a and 2b
- C5.5 Plan and Profile Line 3
- C5.6 Plan and Profile Line 3
- C5.7 Plan and Profile Line 3
- C5.8 Single-Double Drop Inlet Details
- C5.9 Double-Double Drop Inlet Details
- C5.10 Inlet Beam Details
- C5.11 Curb Inlet Details
- C5.12 Inlet Cover and Frame Details
- C5.13 Hydroguard (HG-6) Details
- C5.14 Rip-Rap Details
- C5.15 Restrained End Section Details
- C6.0 Erosion Control Plan
- C6.1 Erosion Control Details
- C6.2 Erosion Control Details
- C6.3 Erosion Control Details
- C7.0 Copy of Plat



BENCHMARKS:

COW Disc
Armour (Towneast Mall Drive) and Douglas
(Gypsum Creek)
Northeast corner of RCBC.
Elevation=1355.26 NAVD 88

X Cut on Top of Curb
Approximately 47' East and 28' South of the
Northeast property corner on the East side of
Longfellow.
Elevation=1347.82 NAVD 88

X Cut on Top of Curb
46' East and 28' South of the Southeast
property corner on the East side of Longfellow.
Elevation=1339.94 NAVD 88

X Cut on Inlet
211' South and 45' East of the Northwest
property corner on back of curb inlet on the
West side of Armour.
Elevation=1337.48 NAVD 88

AS BUILTS

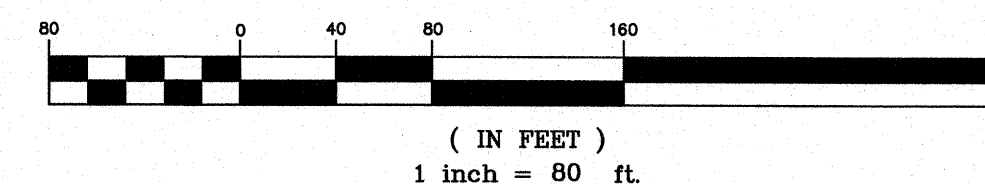
Contractor: Ewertz Excavation 04/18/2014	Project Inspector: Tom Jones KEMILLER ENGINEERING 117 E. Lewis, Wichita, KS 67202 (316)264-0242
---	--

APPROVED AS NOTED

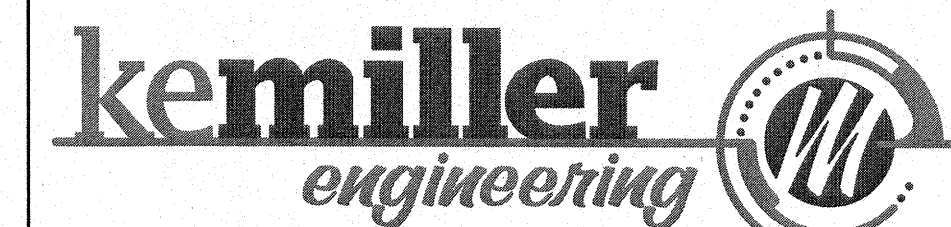
Storm Water Utility Office: *JHC* 2-29-13
City Engineers Office: *[Signature]* 2-19-13

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).



January 2013



516 S. Market, Wichita, KS 67202 (316)264-0242

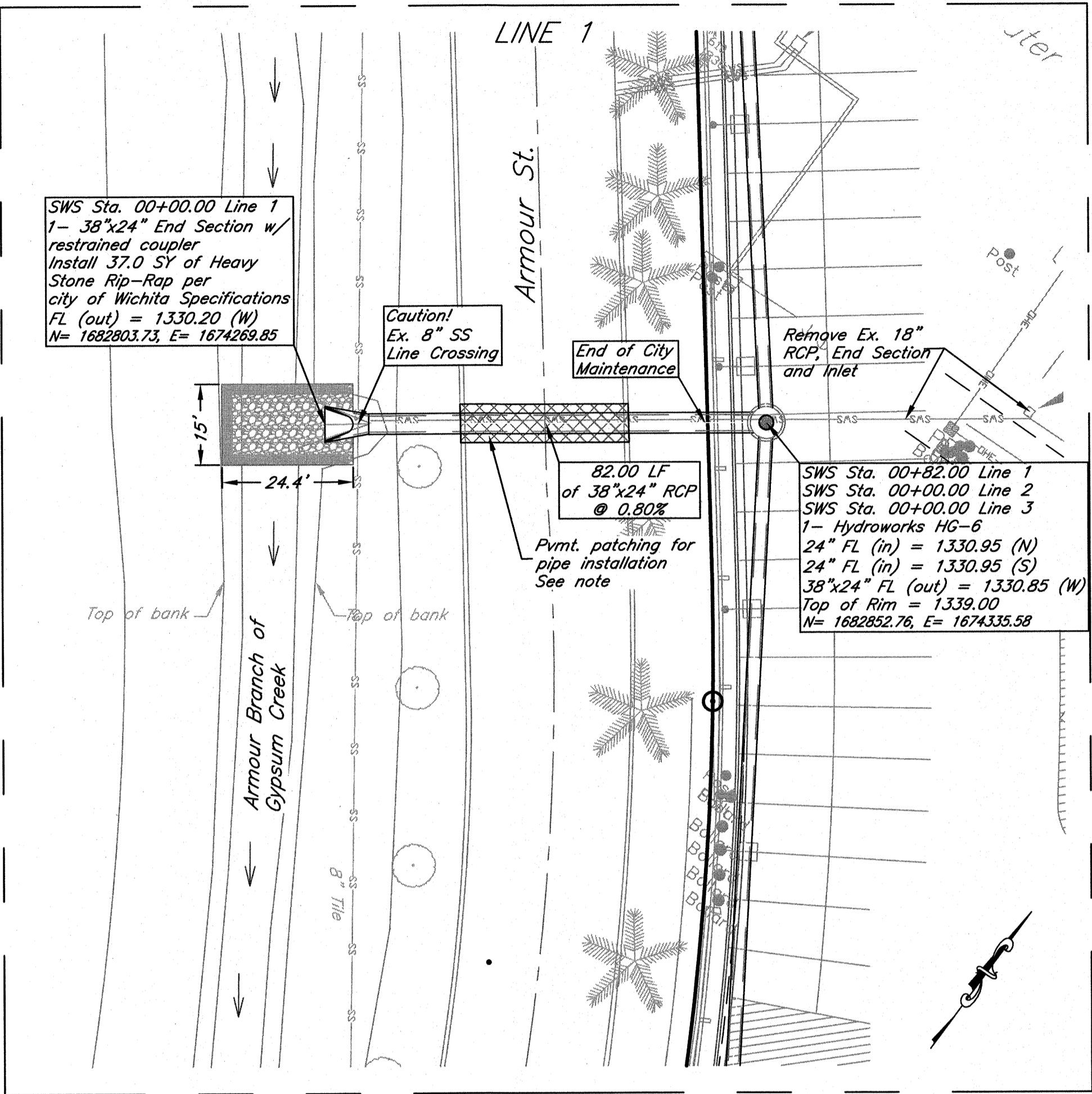
SPANGENBERG PHILLIPS TICE
ARCHITECTURE
121 N Mead Ste 201 Wichita KS 67202
T 316.267.4002 F 316.267.1509
www.sptarchitecture.com



DAVIS MOORE CHRYSLER-FIAT
E. KELLOGG, WICHITA KS

0155 PPD (607861)
PPD Cover

C4.0



Note: Backfilling under City Street shall be per City Spec. Pvmnt patching for installation of 38"x24" RCP shall be done by City at contractor expense.

SWS Sta. 00+00.00 Line 1
1- 38"x24" End Section w/
restrained coupler
Install 37.0 SY of Heavy
Stone Rip-Rap per
city of Wichita Specifications
FL (out) = 1330.20 (W)
N= 1682803.73, E= 1674269.85

Caution!
Ex. 8" SS
Line Crossing

End of City
Maintenance

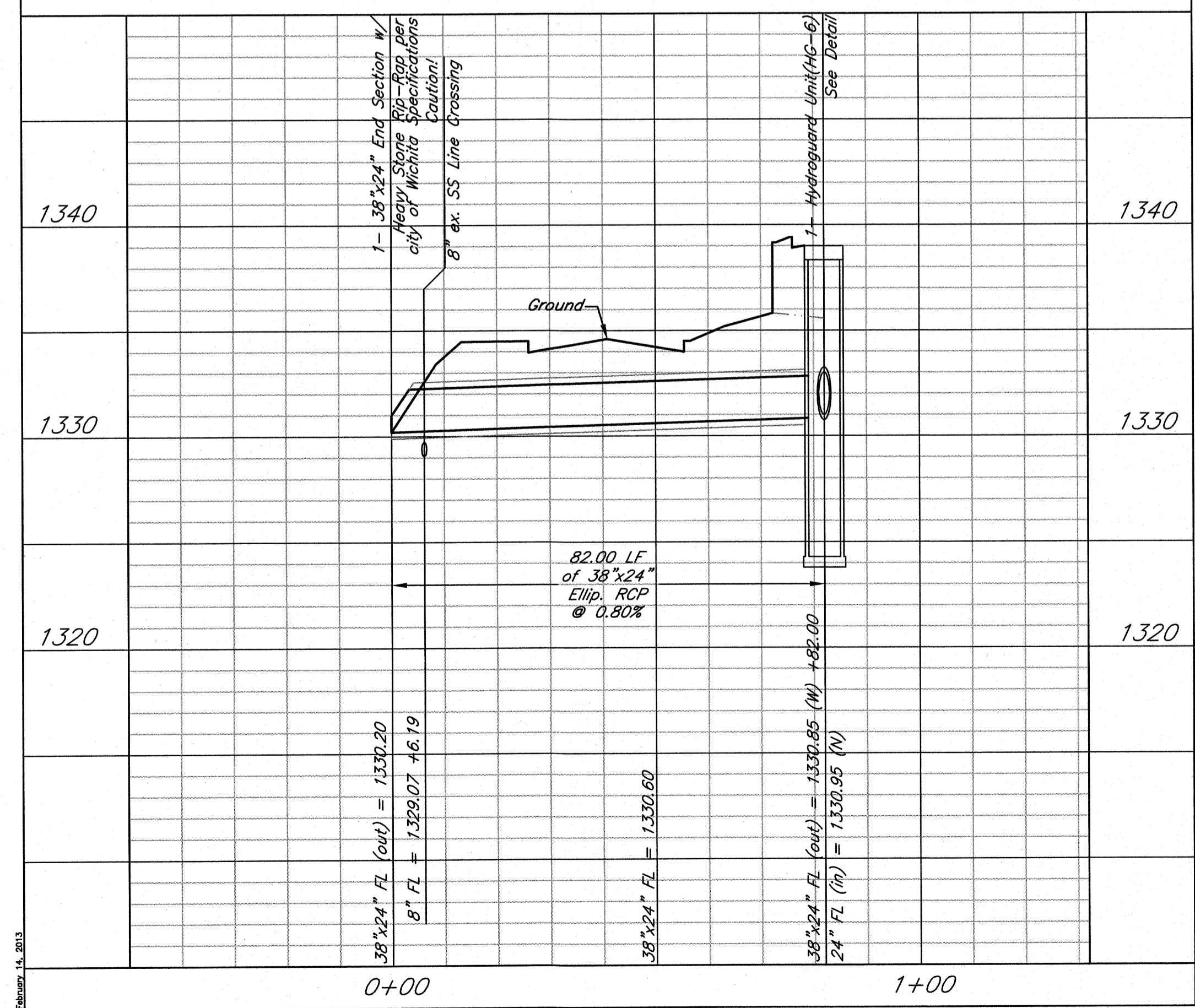
Remove Ex. 18"
RCP, End Section
and Inlet

82.00 LF
of 38"x24" RCP
@ 0.80%

Pvmnt. patching for
pipe installation
See note

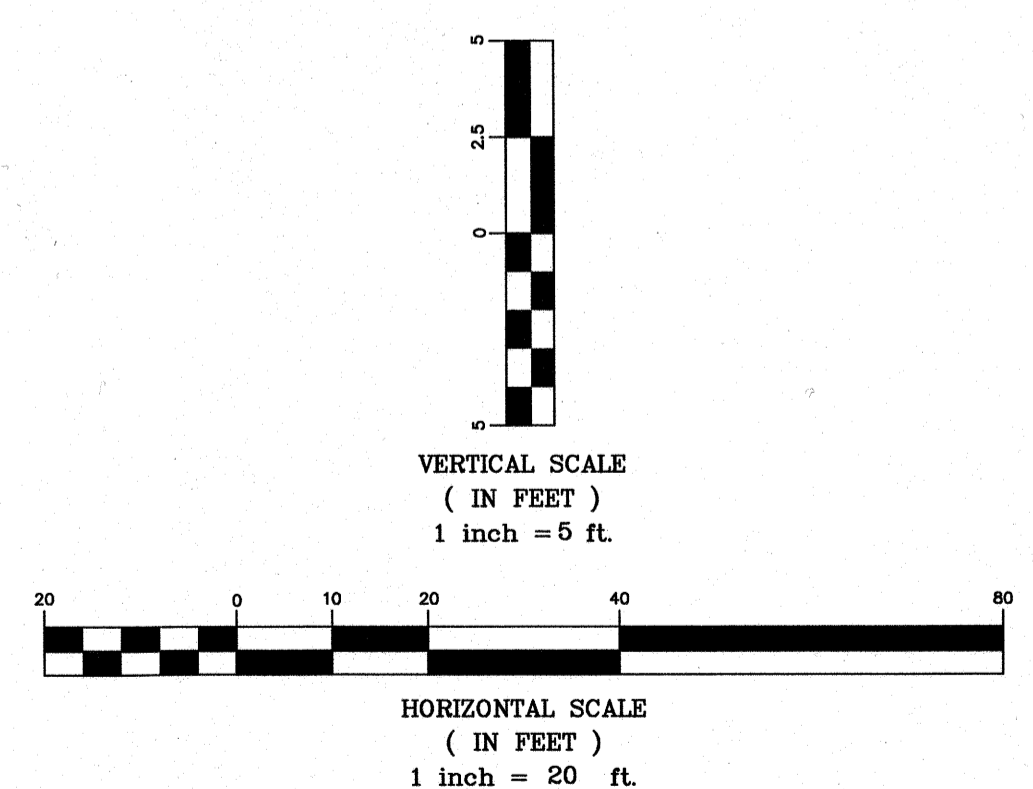
SWS Sta. 00+82.00 Line 1
SWS Sta. 00+00.00 Line 2
SWS Sta. 00+00.00 Line 3
1- Hydroworks HG-6
24" FL (in) = 1330.95 (N)
24" FL (in) = 1330.95 (S)
38"x24" FL (out) = 1330.85 (W)
Top of Rim = 1339.00
N= 1682852.76, E= 1674335.58

LINE 1



AS BUILTS

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

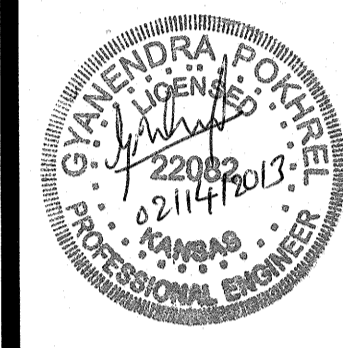


kemiller
engineering

KEM NO.
12142
DESIGN
GP
DRAWN
NS

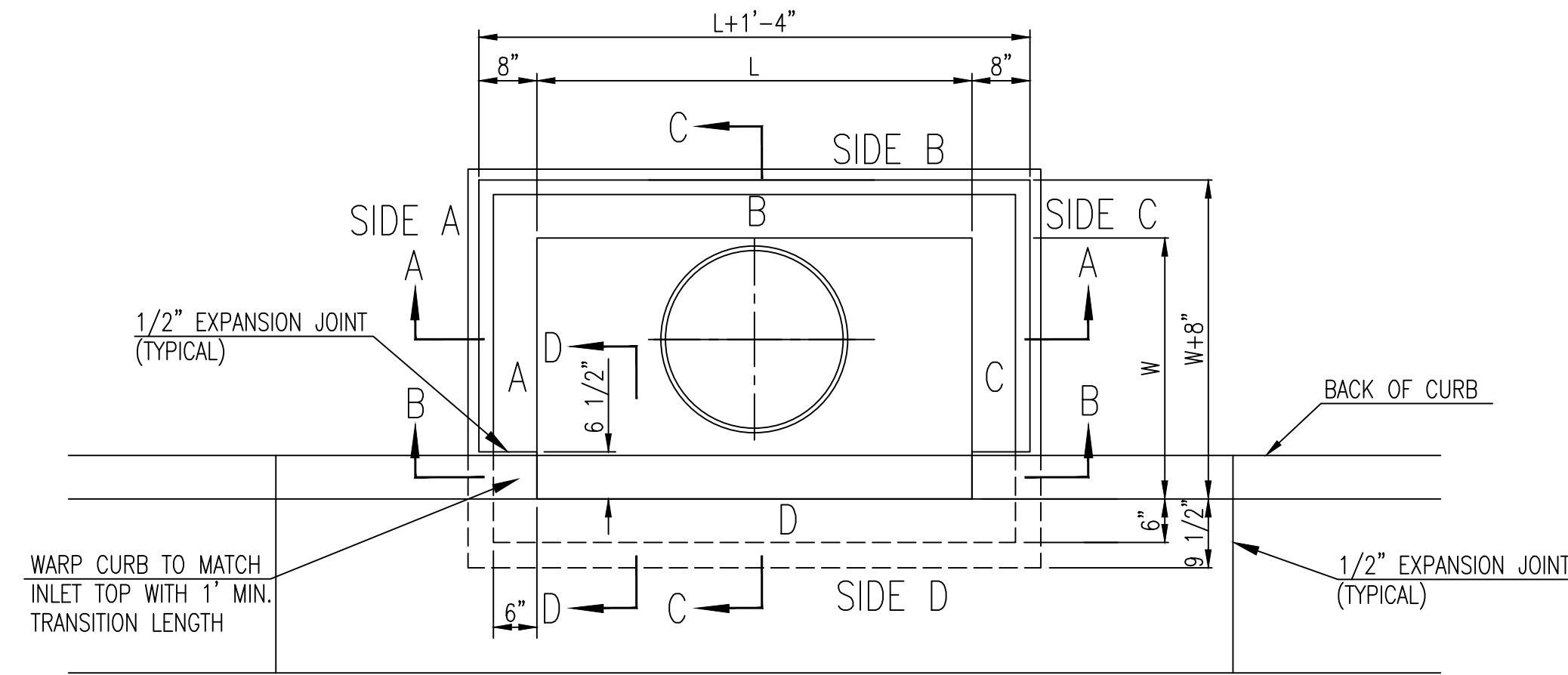
516 S. Market, Wichita, KS 67202 (316)264-0242

SPANGENBERG PHILLIPS TICE
ARCHITECTURE
121 N Mead Ste 201 Wichita KS 67202
T 316.267.4002 F 316.267.1509
www.sptarchitecture.com



DAVIS MOORE CHRYSLER-FIAT
E. KELLOGG, WICHITA, KS

0155 PPD (607861)
Plan & Profiles
C5.1

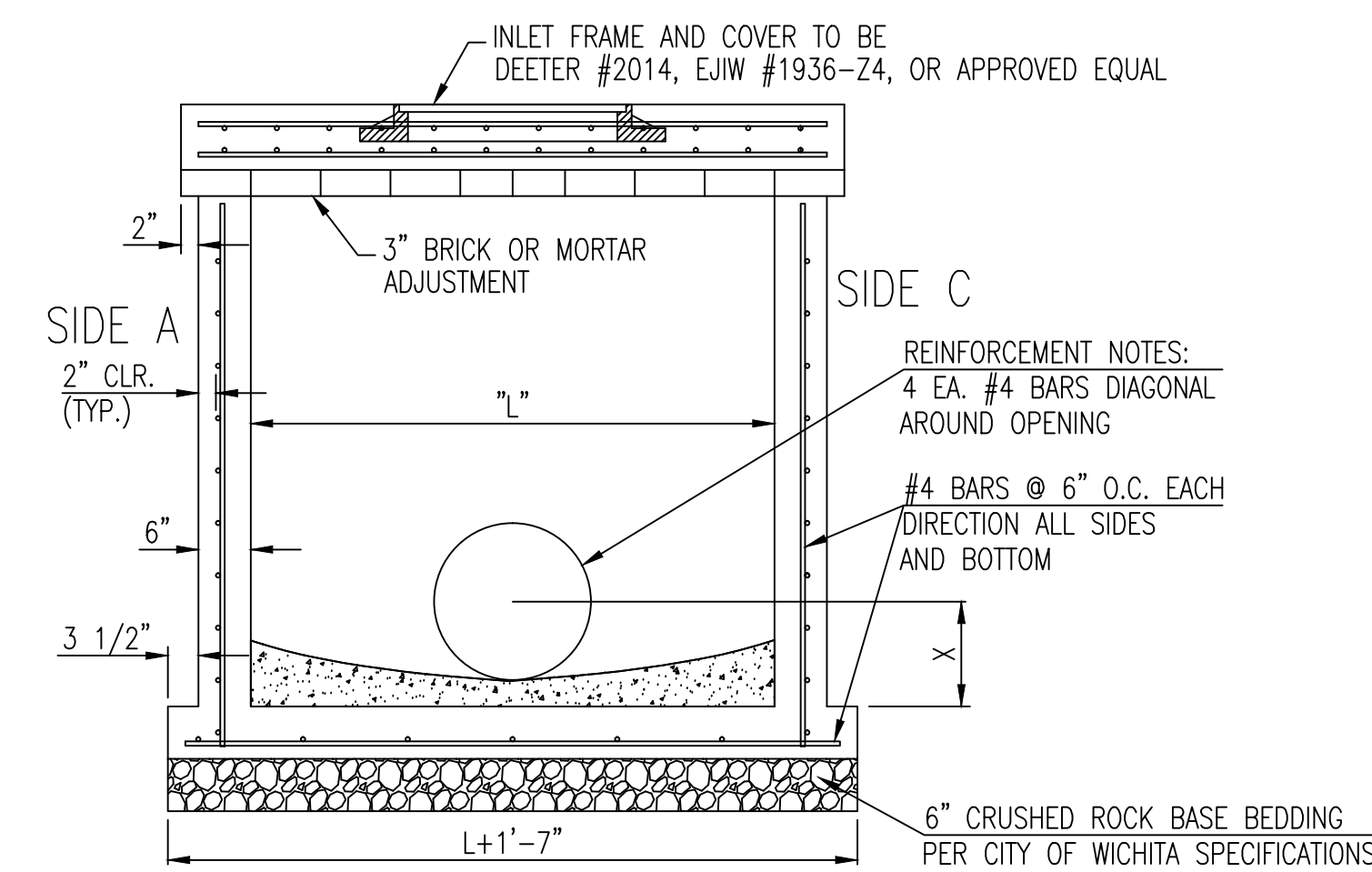


TOP VIEW

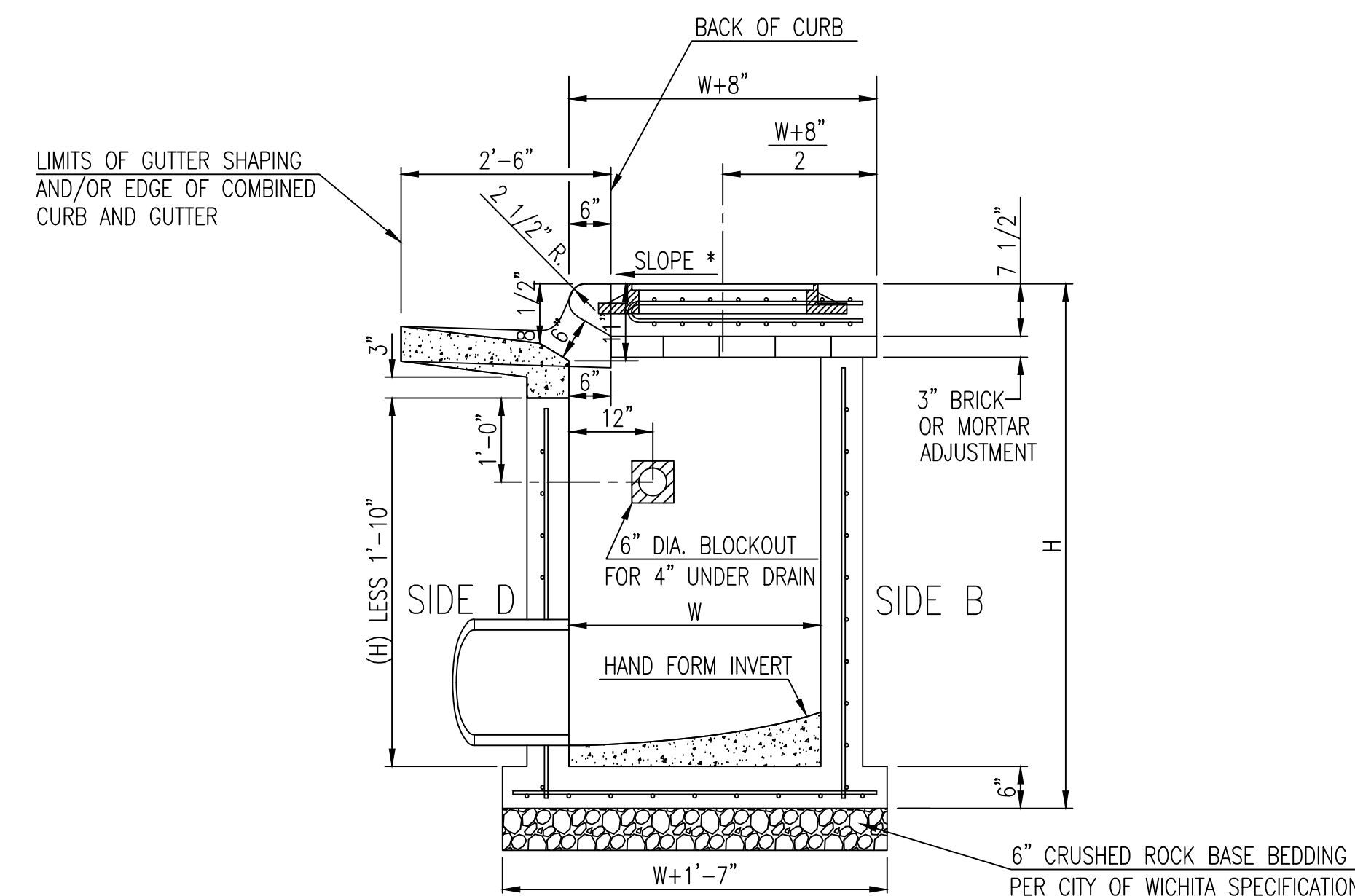
BAR SCHEDULE		
INLET OPENING	B1 BARS	SPACING
5'-0"	#4	4"
10'-0"	#6	3.5"

PRECAST CURB INLET WIDTHS				
W	PRE-CAST TOP SIZE			PIPE DIA.**
	WIDTH	LENGTH	TOP	
3'-0"	W+8"	L+1'-4"	7 1/2"	21" & SMALLER
4'-0"	W+8"	L+1'-4"	7 1/2"	24" & 30"
5'-0"	W+8"	L+1'-4"	7 1/2"	36" & 42"
6'-0"	W+8"	L+1'-4"	7 1/2"	48" & 54"
7'-0"	W+8"	L+1'-4"	7 1/2"	60" & 66"

** FOR PIPES PERPENDICULAR TO INLET WALL

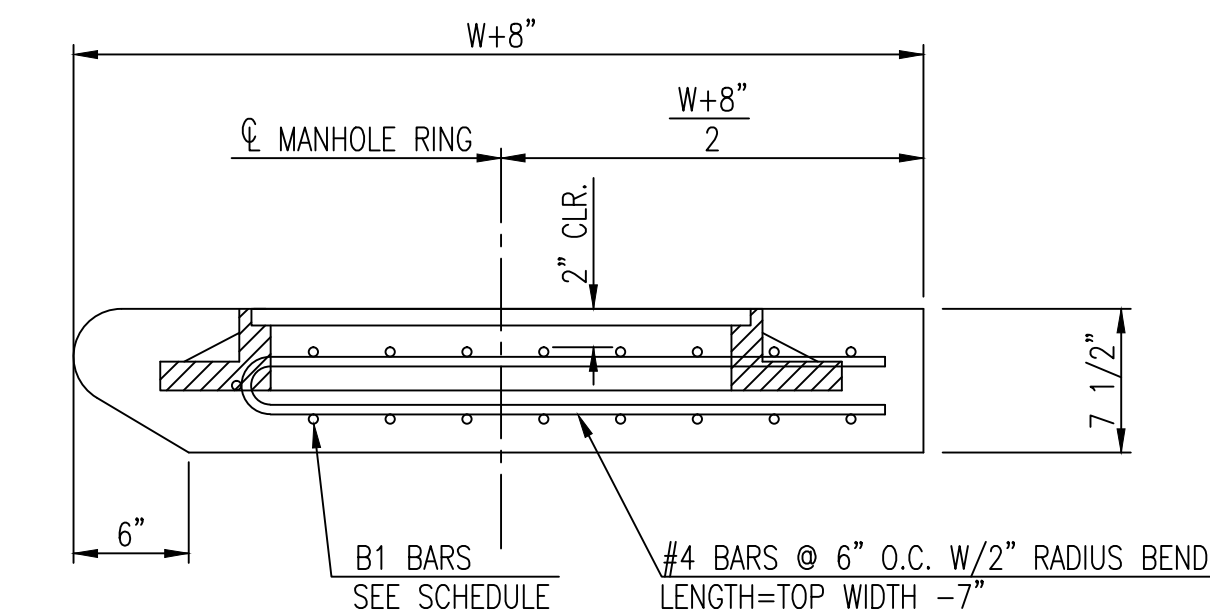


SECTION "A-A"



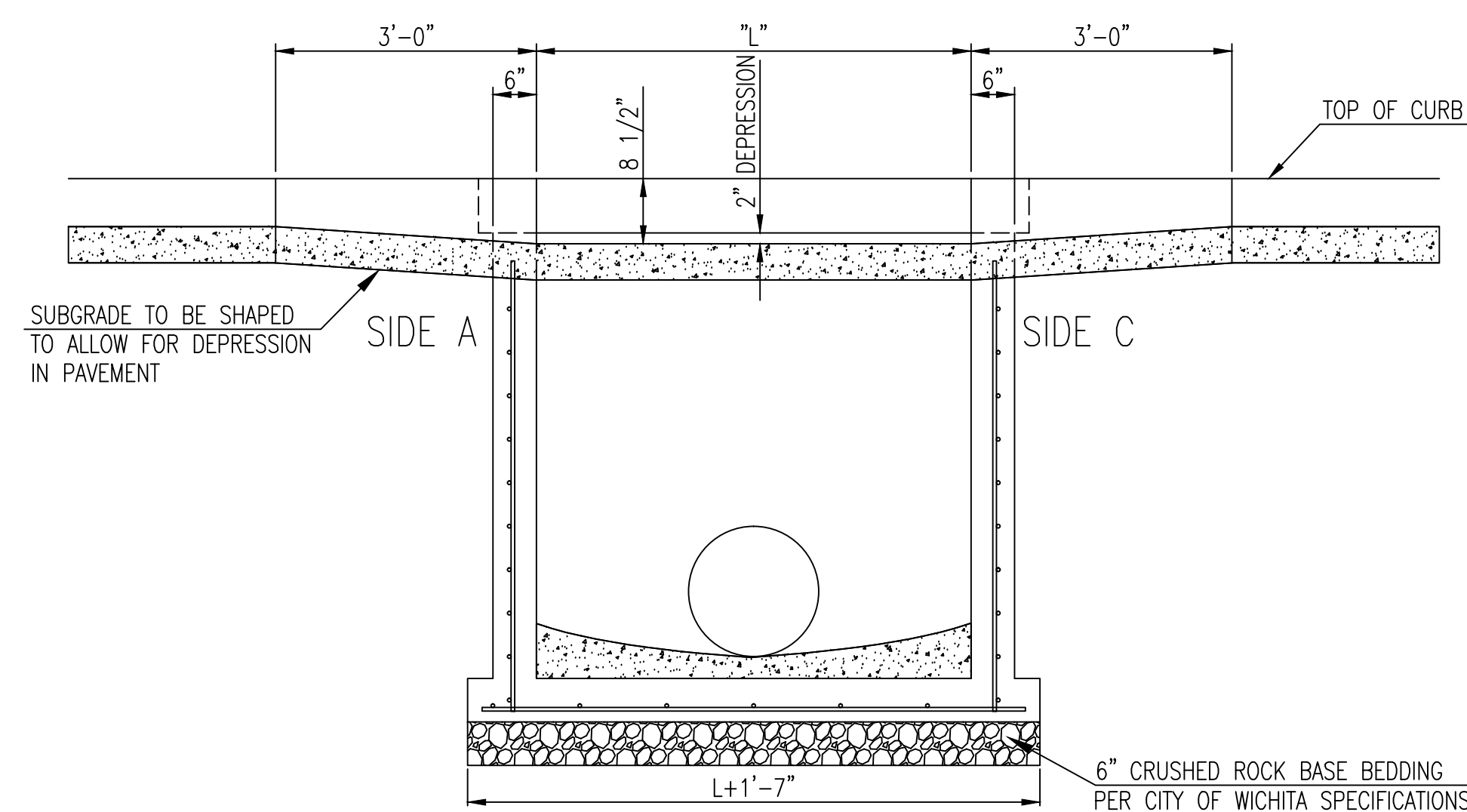
SECTION "C-C"

NOTES:
 * SLOPE OF INLET TOP TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.

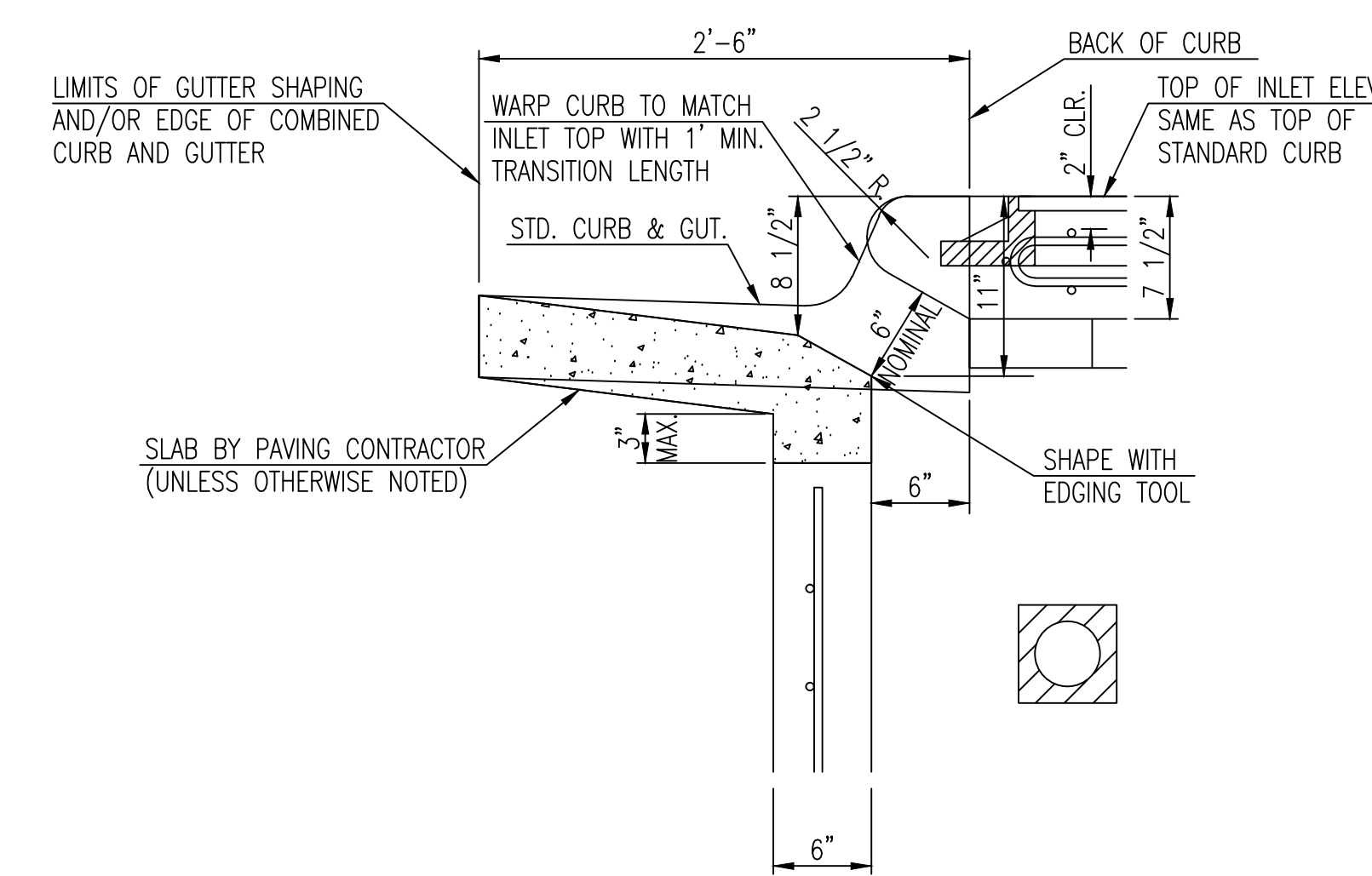


GENERAL NOTES

1. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
2. CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W=5'-0" AND H=7'-0" OR LESS.
3. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
4. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
5. INLET FRAME AND COVER TO BE DEETER #2014, EJIW #1936 Z4, OR APPROVED EQUAL, SEE SW-303.
6. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



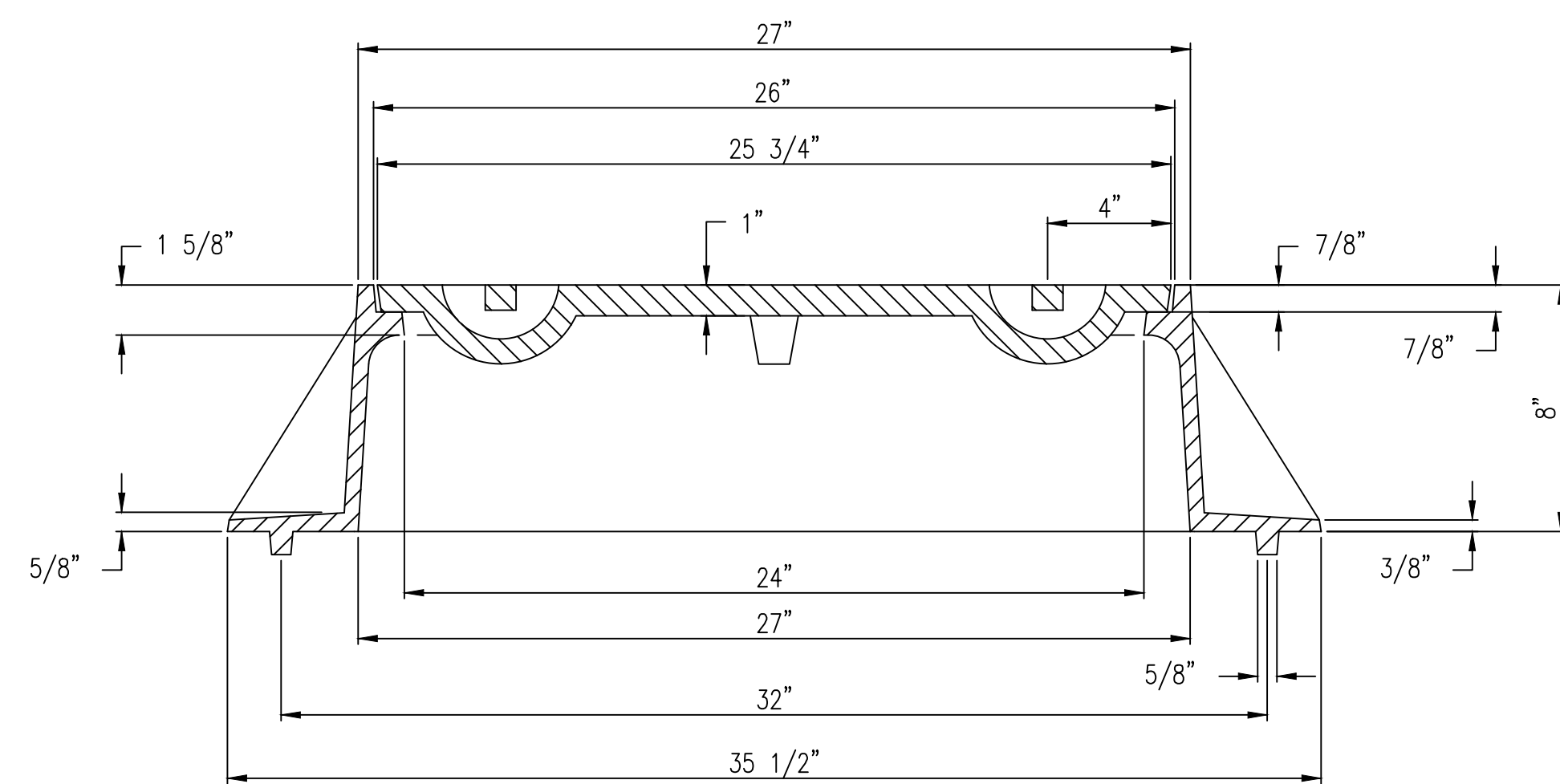
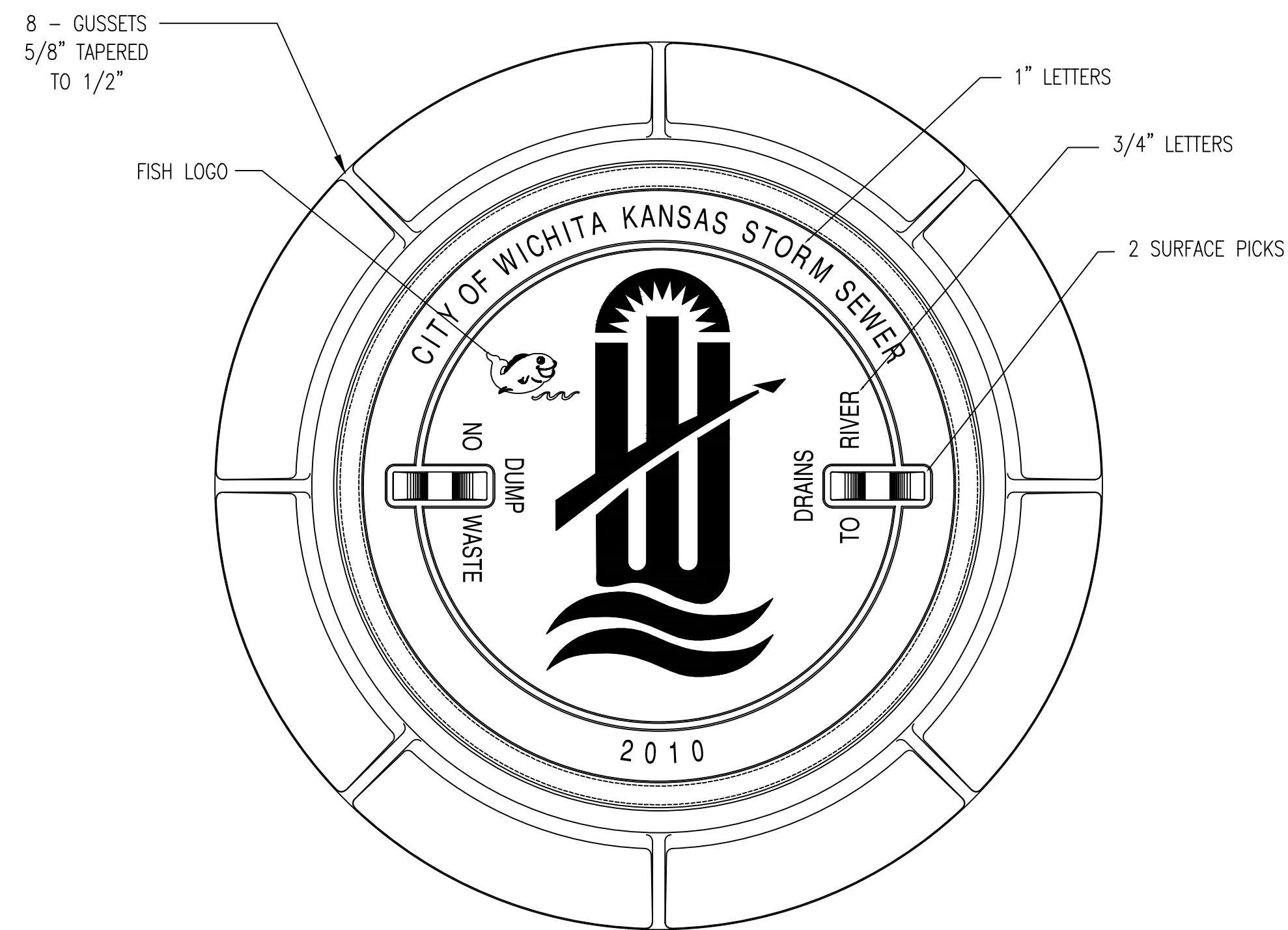
SECTION "B-B"



SECTION "D-D"

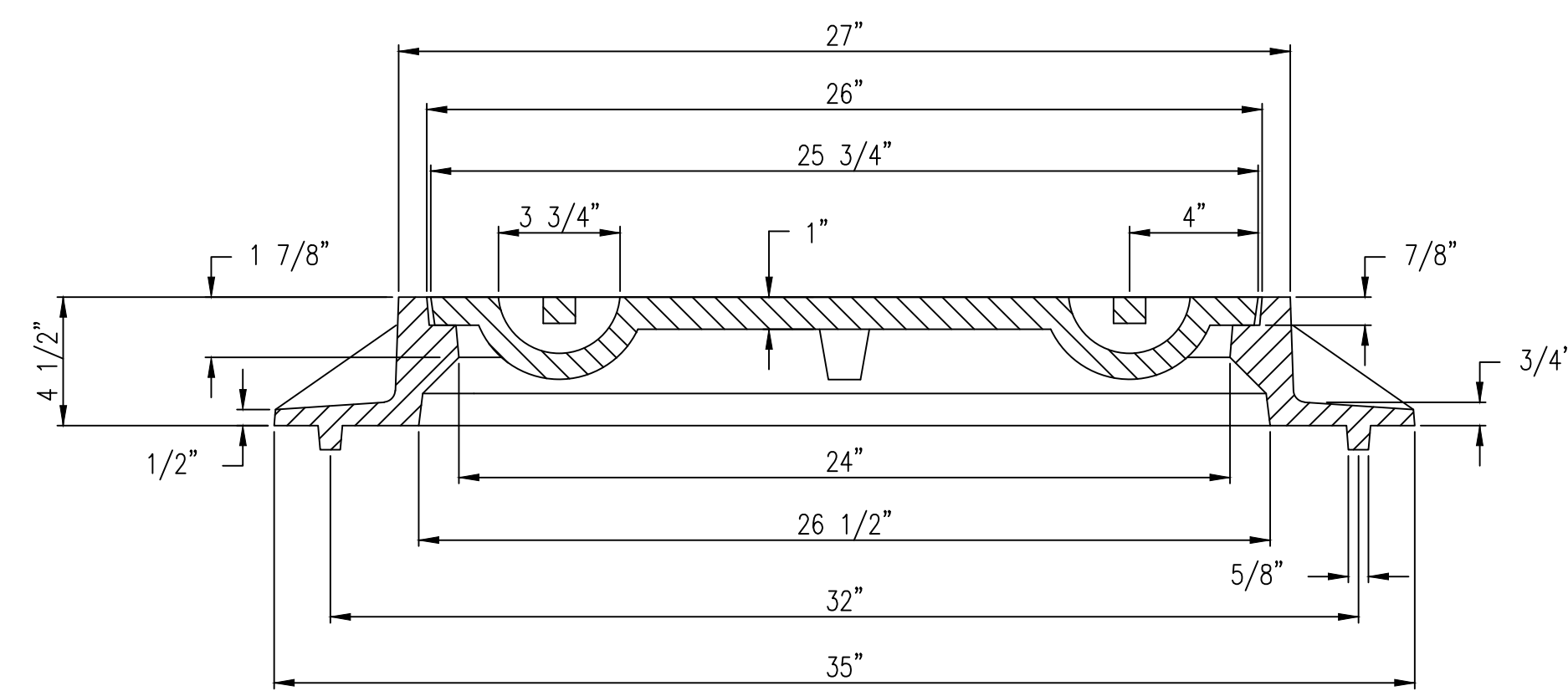
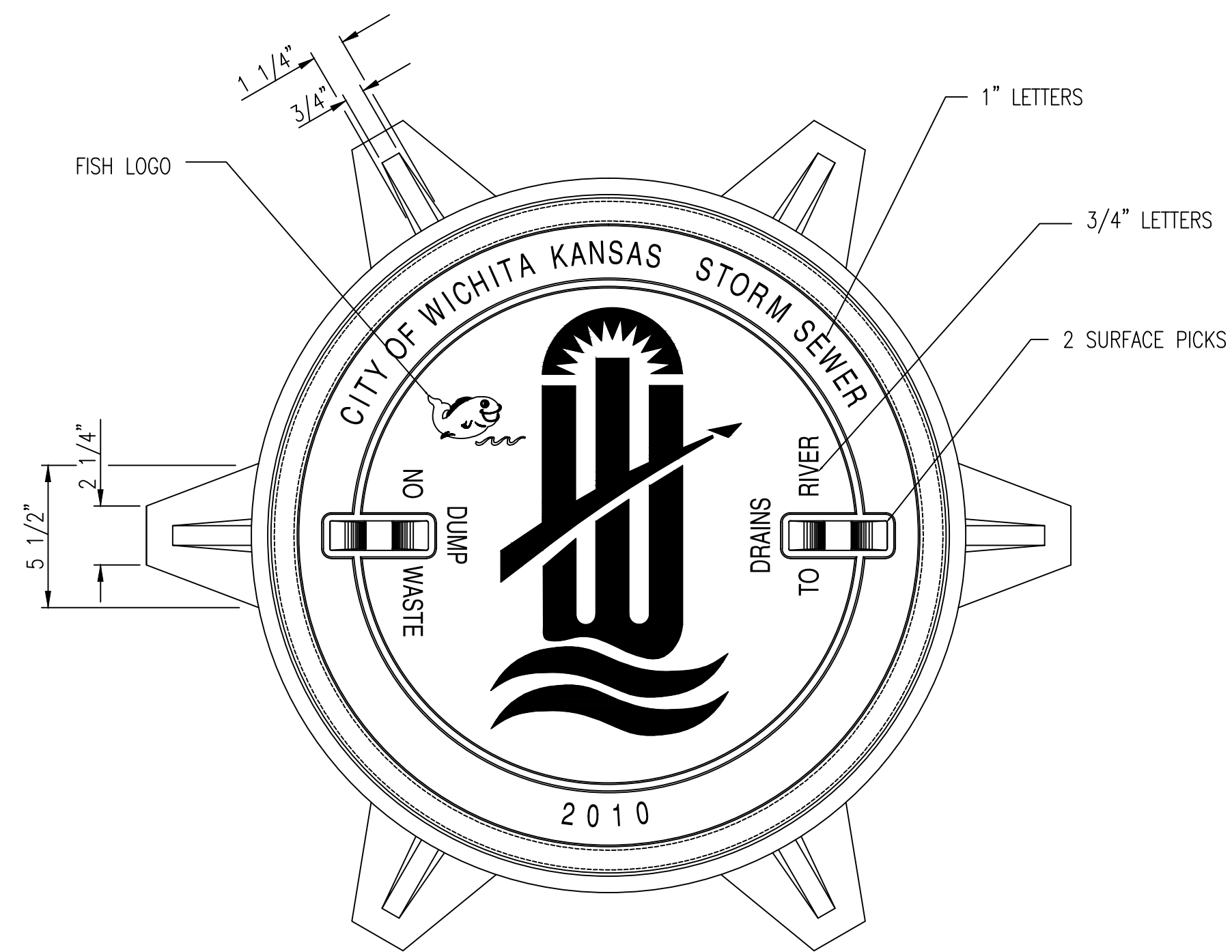


STANDARD TYPE 1 CURB INLET 5'-0" OR 10'-0" OPENING		
CITY ENGINEER JAMES L. ARMOUR, P.E., L.S.		
PROJECT NUMBER	OCA NUMBER	DATE
		11/2010
CITY ENGINEER'S OFFICE		DESIGN
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DRAWN
SHEET		of



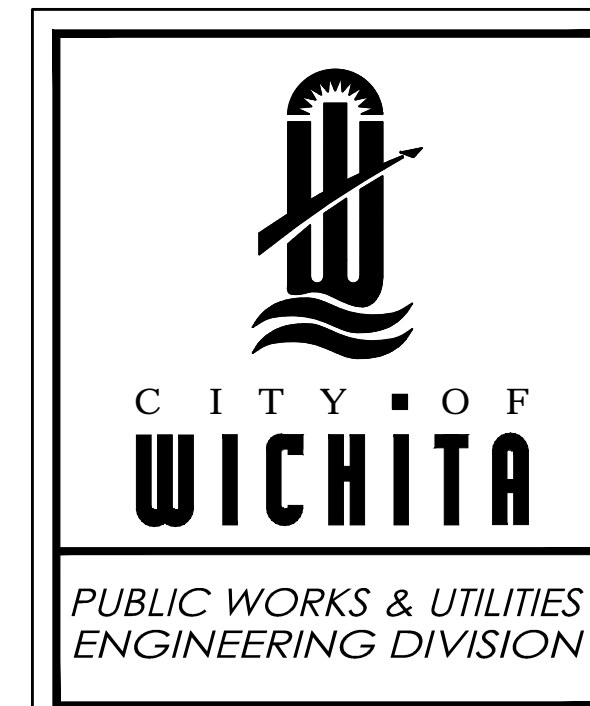
MANHOLE FRAME
DEETER #1261 OR EJIW #1936-Z1

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
2. COVER TO BE DEETER #1261 OR EJIW #1936A.

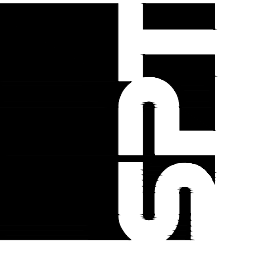


INLET FRAME
DEETER #2014 OR EJIW #1936-Z4

- NOTE:
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.
2. NOT TO BE USED UNDER PAVEMENT.
3. COVER TO BE DEETER #1261 OR EJIW #1936A.



MANHOLE/INLET FRAME AND COVER (STORM SEWER)		
CITY ENGINEER JAMES L. ARMOUR, P.E., L.S.		
PROJECT NUMBER	OCA NUMBER	DATE
		11/2010
CITY ENGINEER'S OFFICE		DESIGN
CITY HALL - SEVENTH FLOOR		DRAWN
455 NORTH MAIN STREET		
WICHITA, KANSAS 67202-1620		SHEET
(316) 268-4501		_ of _

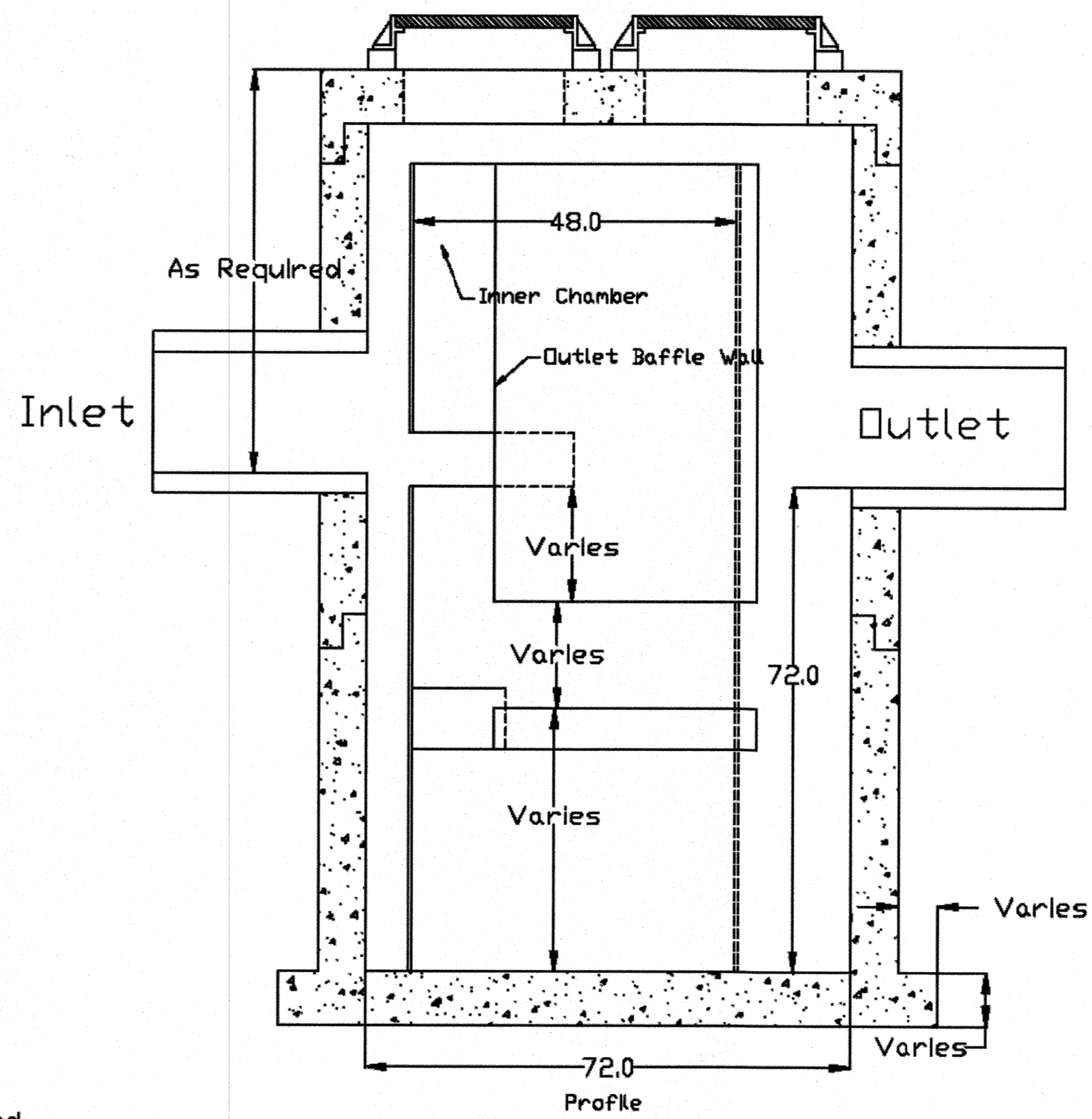
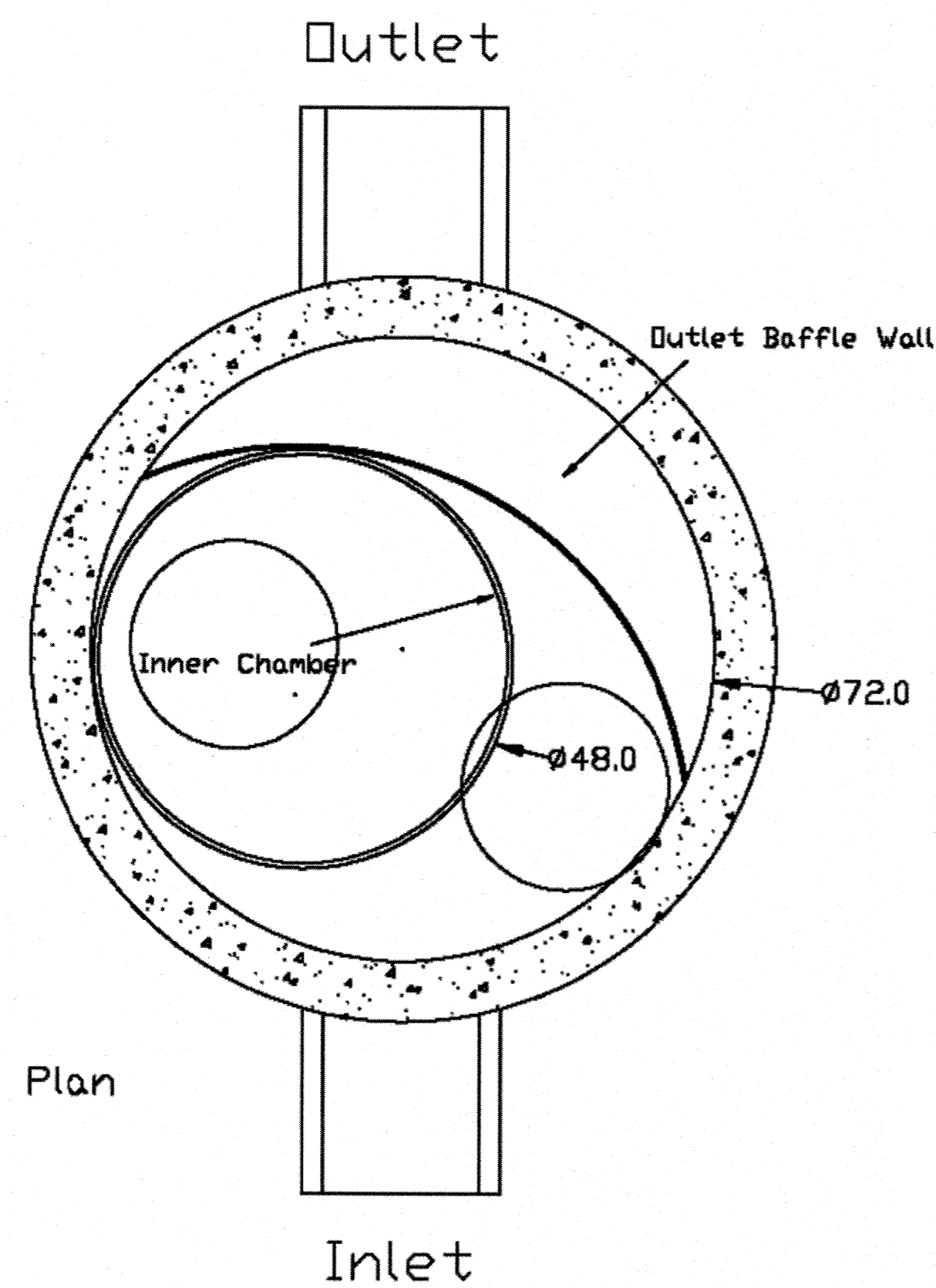


SPANGENBERG PHILLIPS TICE ARCHITECTURE
121 N Mead Ste 201 Wichita KS 67202
T 316.267.4002 F 316.267.1509
www.sptaarchitecture.com

DAVIS MOORE CHRYSLER-FIAT
E. KELLOGG, WICHITA KS

0155 PPD (607861)
Frame and Cover Det

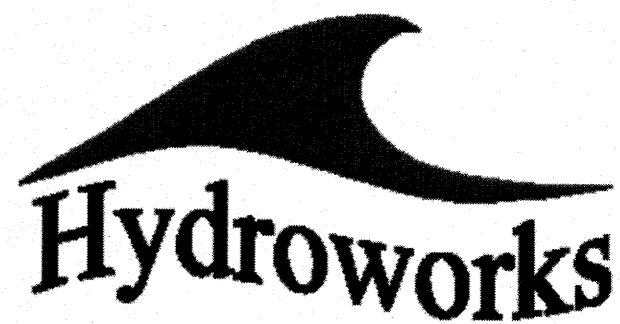
C5.12

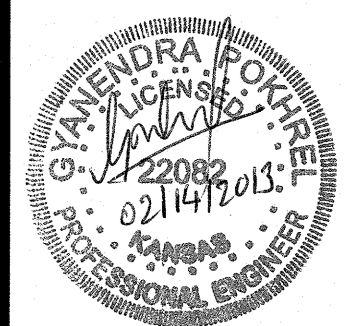


U.S. Patent No. 6,951,619

Dimensions in inches
 Permanent Pool Volume = 1250 US gallons
 The Hydroguard must be cleaned after the construction period
 If it is used as a sediment and erosion control measure
 The Hydroguard should be inspected once per year for
 stabilized sites
 Inspection will determine the maintenance frequency (annual
 maintenance or once every two years typical for stabilized
 sites)
 Sites with unstable conditions (exposed soil or materials
 storage) will require more frequent inspection and maintenance

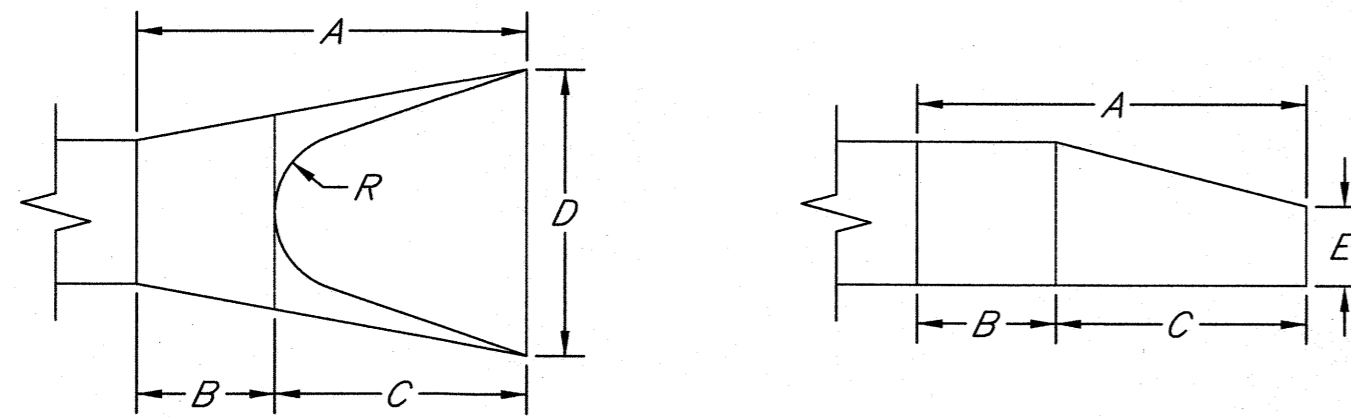
Hydroworks, LLC
 50 S. 21st St., Kenilworth, NJ 07033
 Phone: 888-290-7900 Fax: 888-783-7271
 Web: www.hydroworks.com

Hydroworks HG6 (72"φ)		
PROJECT:		
LOCATION:		
REVISION DATE:	02/10/2011	



Re-Enforced Concrete Pipe Information									
Pipe Size	Wall Thickness	Weight per ft	Elliptical Equivalent	End Section Information					
				"A"	"B"	"C"	"D"	"E"	"R"
12"	2.0"	100 lbs	---	6.07'	4.07'	2.00'	2.00'	0.33'	0.75'
15"	2.5"	128 lbs	---	6.08'	3.83'	2.25'	2.50'	0.50'	0.92'
18"	2.5"	168 lbs	23"x14"	6.08'	3.83'	2.25'	3.00'	0.75'	1.00'
24"	3.0"	268 lbs	30"x19"	6.12'	2.50'	3.62'	4.00'	0.79'	1.16'
30"	3.5"	385 lbs	38"x24"	6.12'	1.64'	4.50'	5.00'	1.00'	1.25'
36"	4.0"	524 lbs	45"x29"	8.14'	2.89'	5.25'	6.00'	1.25'	1.66'
42"	4.5"	684 lbs	53"x34"	8.16'	2.92'	5.25'	6.50'	1.75'	1.83'
48"	5.0"	868 lbs	60"x38"	8.16'	2.16'	6.00'	7.00'	2.00'	1.83'
54"	5.5"	1070 lbs	68"x43"	8.18'	2.77'	5.42'	7.50'	2.25'	2.00'
60"	6.0"	1290 lbs	---	8.25'	3.25'	5.00'	8.00'	2.92'	2.00'
66"	6.5"	1540 lbs	---	---	---	---	---	---	---
72"	7.0"	1800 lbs	---	8.25'	1.75'	6.50'	9.00'	3.00'	2.00'
84"	---	---	---	9.25'	1.75'	7.54'	10.00'	3.00'	2.00'

all measurements approximate



GRADATION REQUIREMENTS:

- Heavy Stone Riprap:** Heavy stone riprap shall be constructed twenty-four inches (24") in thickness and shall be placed on a stone filter course backing having a thickness of nine inches (9"). Stone used in riprap shall meet the required quality requirements and the following size requirements.

Weight of Individual Pieces	Minimum Percent Larger Than
1,000 lbs	0%
500 lbs	50%
75 lbs	90%

Filter course backing for heavy stone riprap shall be produced from the stone meeting the quality requirements of stone for riprap and shall have the following size requirements

Sieve Size	Percent Retained
6"	0%
5"	5-25%
2"	40-60%
3/8"	75-95%

- Light Stone Riprap:** Light stone riprap shall be constructed eighteen inches (18") in thickness and shall be placed on a stone filter course backing having a thickness of six inches (6"). Stone used in riprap shall meet the required quality requirements and the following size requirements.

Weight of Individual Pieces	Minimum Percent Larger Than
500 lbs	0%
250 lbs	50%
125 lbs	70%
10 lbs	90%

Filter course backing for heavy stone riprap shall be produced from the stone meeting the quality requirements of stone for riprap and shall have the following size requirements

Sieve Size	Percent Retained
4"	0%
2"	10-40%
1"	25-60%
3/8"	55-85%
#4	70-95%

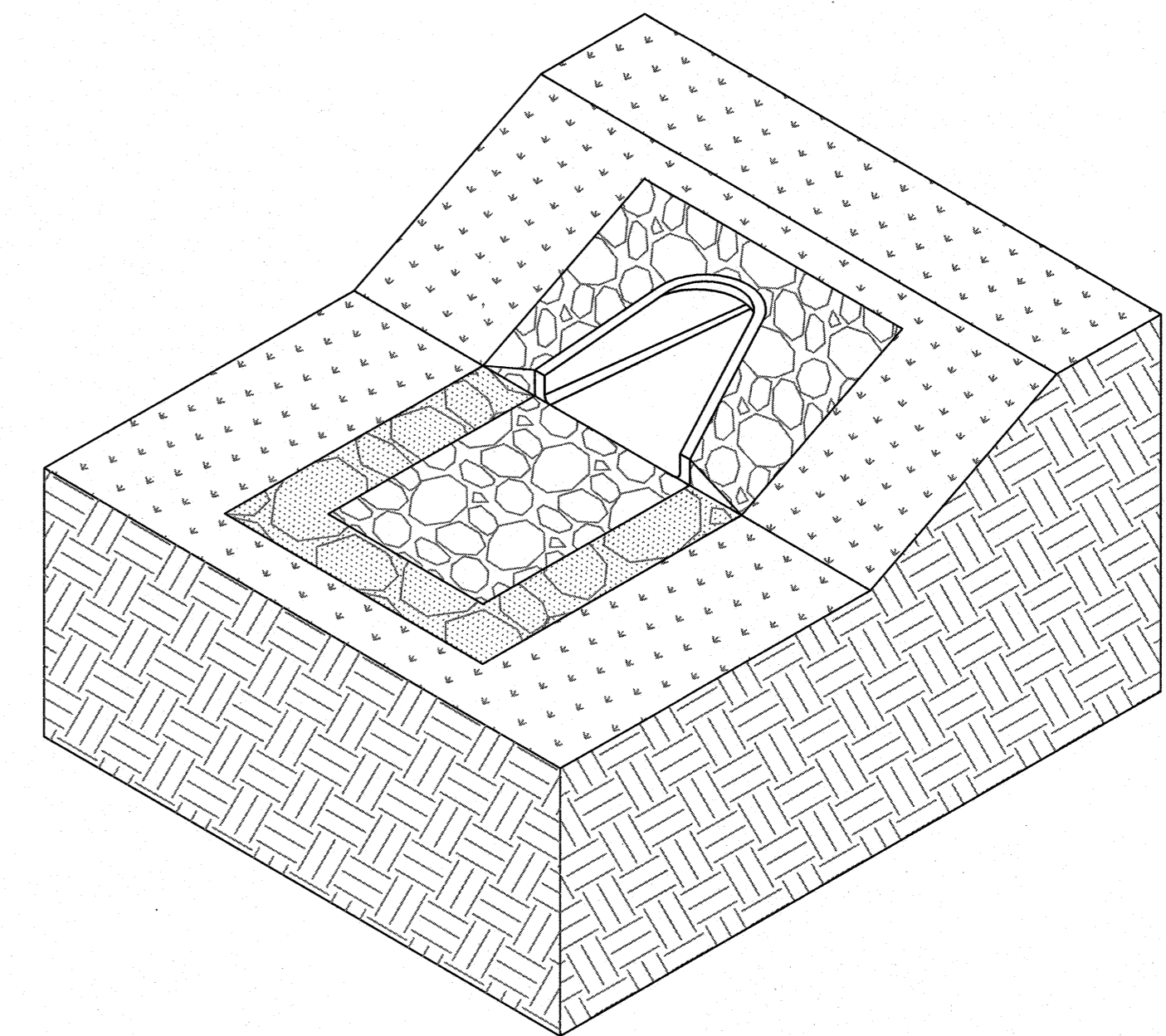
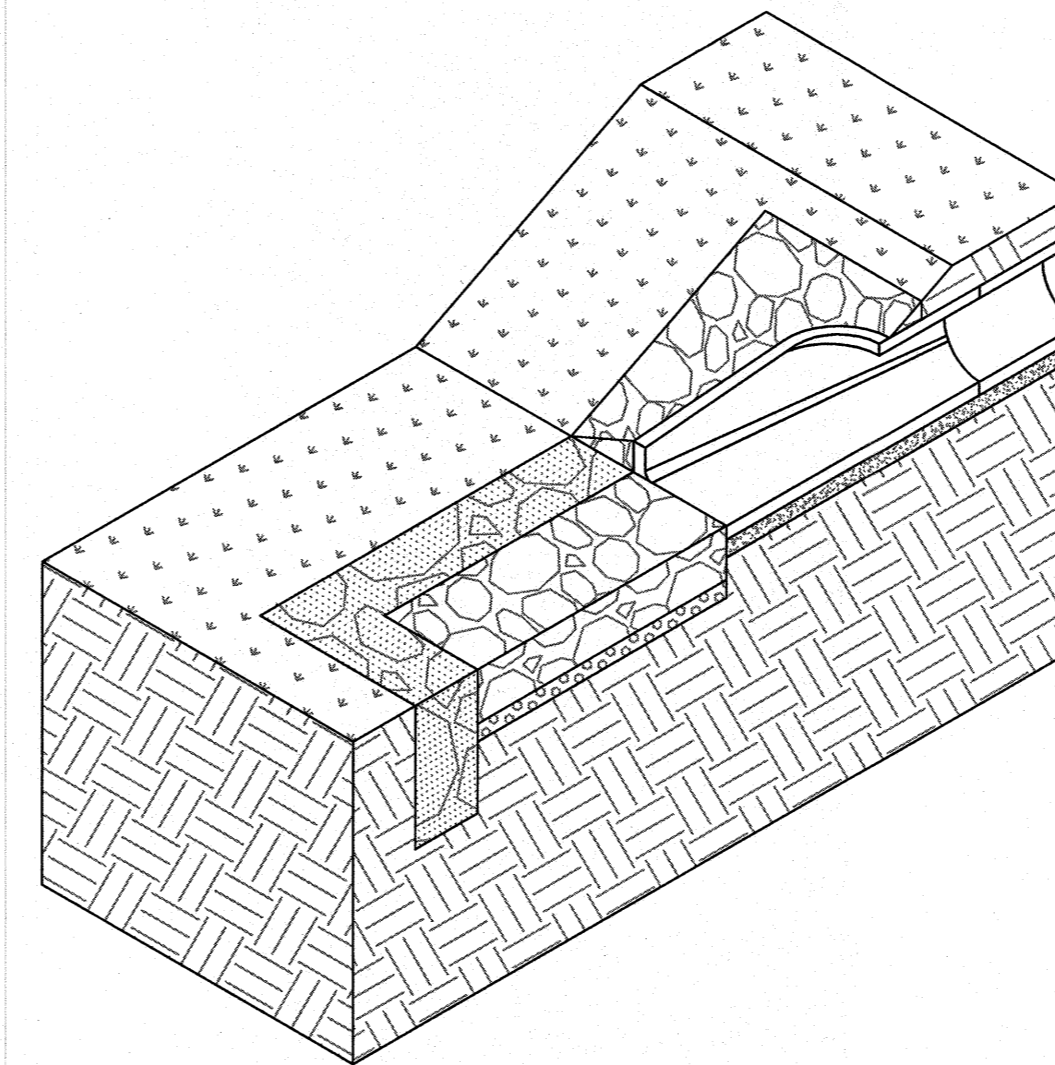
INSTALLATION OF STONE RIPRAP:

Stone riprap shall be placed on a prepared bedding layer so as to produce a reasonably well-graded mass with a minimum percentage of void. Stone riprap shall be placed to its full course thickness in one operation without displacing the bedding. Placing stone riprap by dumping into chutes or any other method likely to cause segregation will not be permitted. Placement of stone on the slope and in toe trenches shall be accomplished by controlled dumping directly in place.

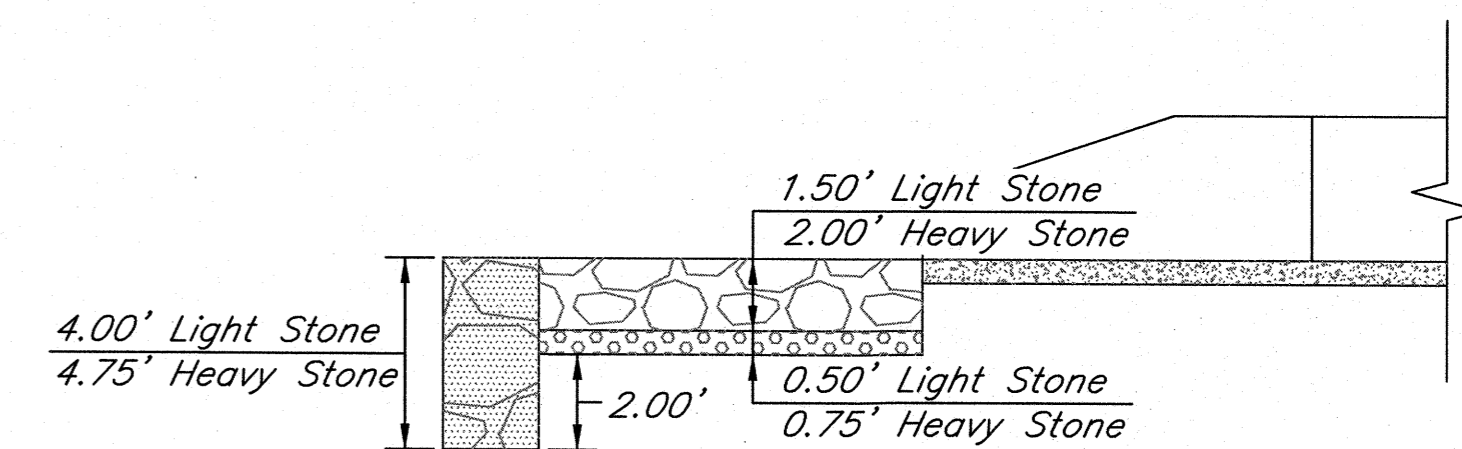
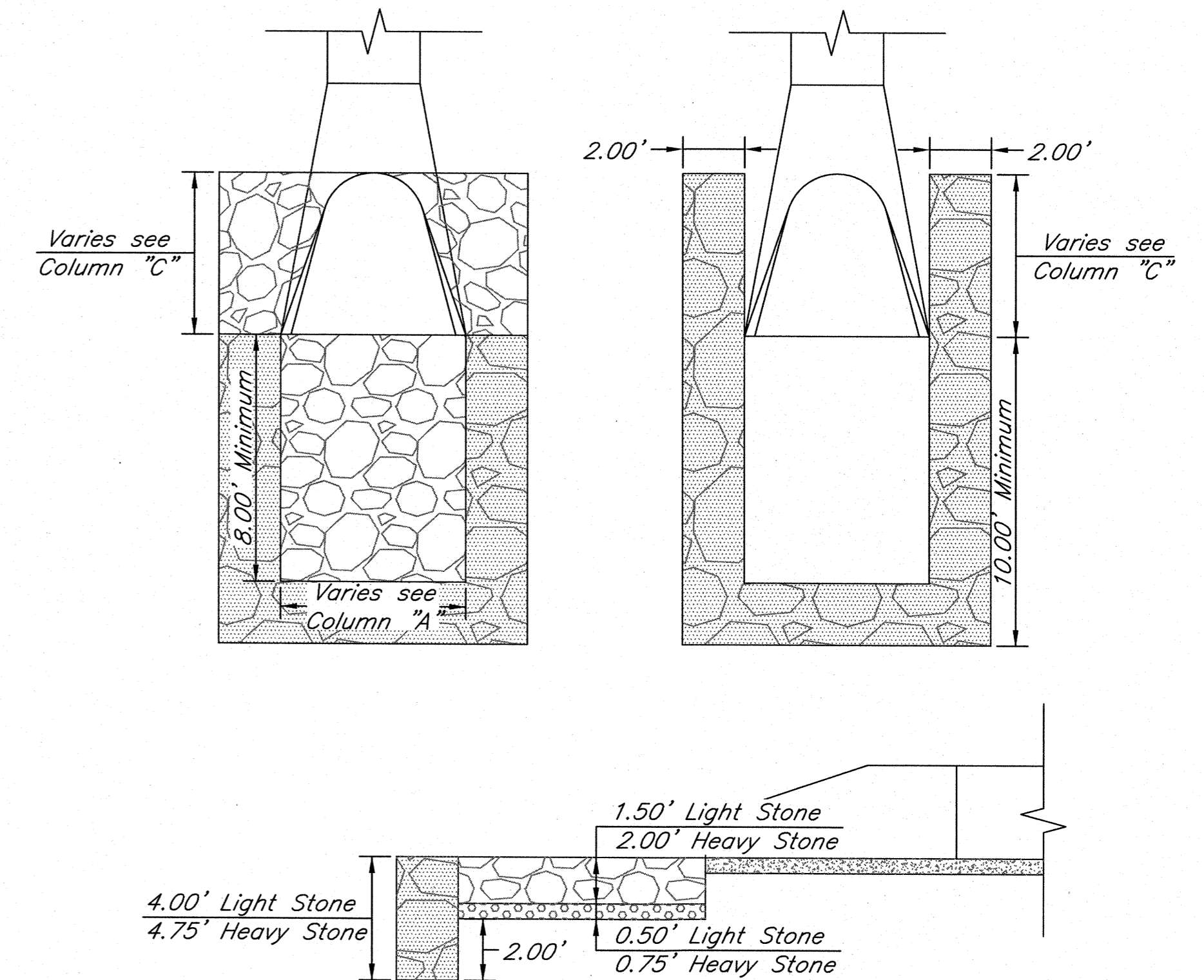
Bulldozing of stone from the upper banks will not be permitted. Use of a drag line or similar equipment operated from the top of the bank to pull stone into position on the upper slope will be permitted. Stone riprap may be placed below water, providing it is placed by skip or another approved method which will prevent segregation. Larger stones should be distributed and the entire mass of stones in their final position should be stable and free of pockets of small stones and clusters of larger of larger ones; rearrangement of individual pieces by hand may be required to obtain the results described above. A tolerance of plus three inches (3") from the lines and grades shown on the continuous over an area greater than 100 square feet. Hand placing of riprap stones shall be necessary to produce reasonably true surfaces and close fit of stones. The larger spaces between the stones shall be fitted with spalls of suitable size, rammed thoroughly in place. The spaces between stones shall be fitted with smaller rock, carefully hand placed in such a manner to obtain a tight surface.

Toewalls shall be installed along all unprotected edges of edges of stone riprap construction. Such toewalls shall be constructed using the same size stone specified for the riprap with the toewall thickness being the same thickness as specified for the riprap without the filter course backing. The toewalls shall extend a minimum distance of 2' below the bottom of the filter course backing material and they shall be constructed perpendicular to the top surface of the riprap construction. Toewall construction shall be grouted in place for the full depth from the bottom of the toewall to the top surface of the riprap for the full thickness of the toewall to the top surface of riprap for the full thickness of the toewall.

When specified, all riprap placed within the limits of a dimension of 10' from pipe ends, pipe end sections and headwall structures, as measured from the outside edges of such pipe ends or structures, shall be grouted in place. Other area shall be grouted when indicated by the plans. When grouted stone riprap is required, the spaces between the riprap stones shall be filled with water to form a plastic mix. The grout mixture shall be poured and broomed into the voids around the rock until all such voids are completely filled. Grouted stone riprap will be cured in the same manner as specified in the standard specifications for concrete pavement.

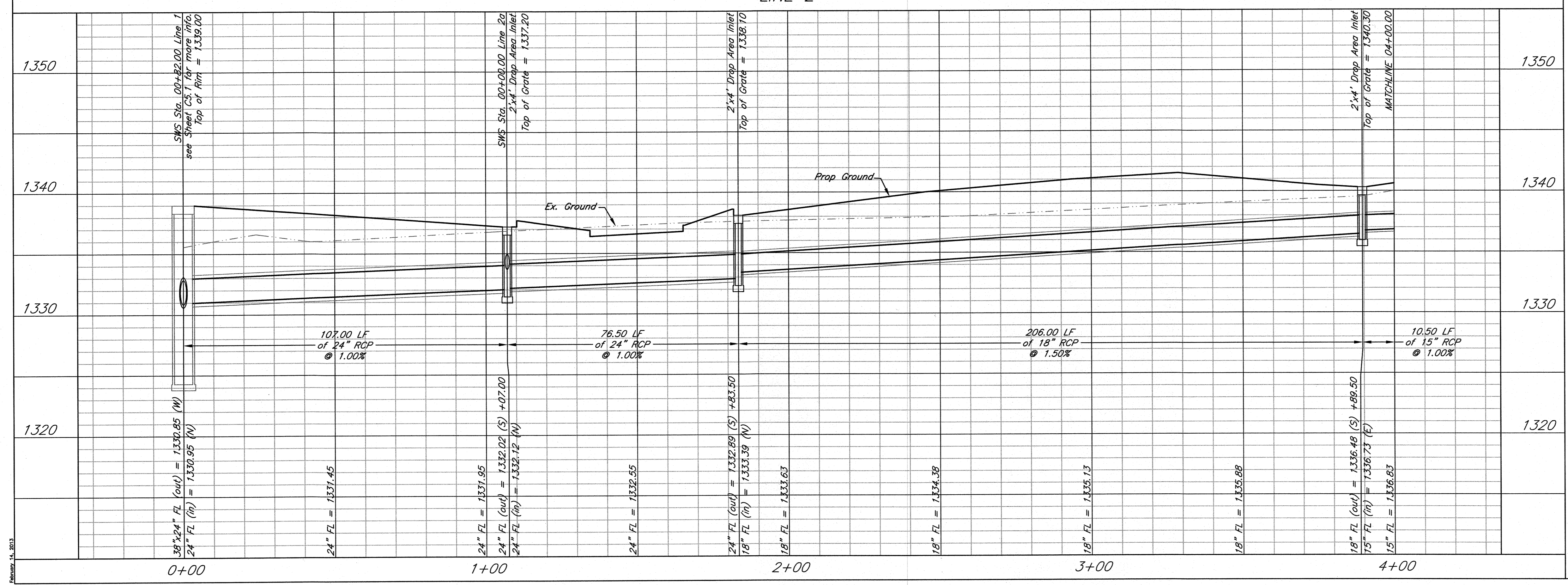
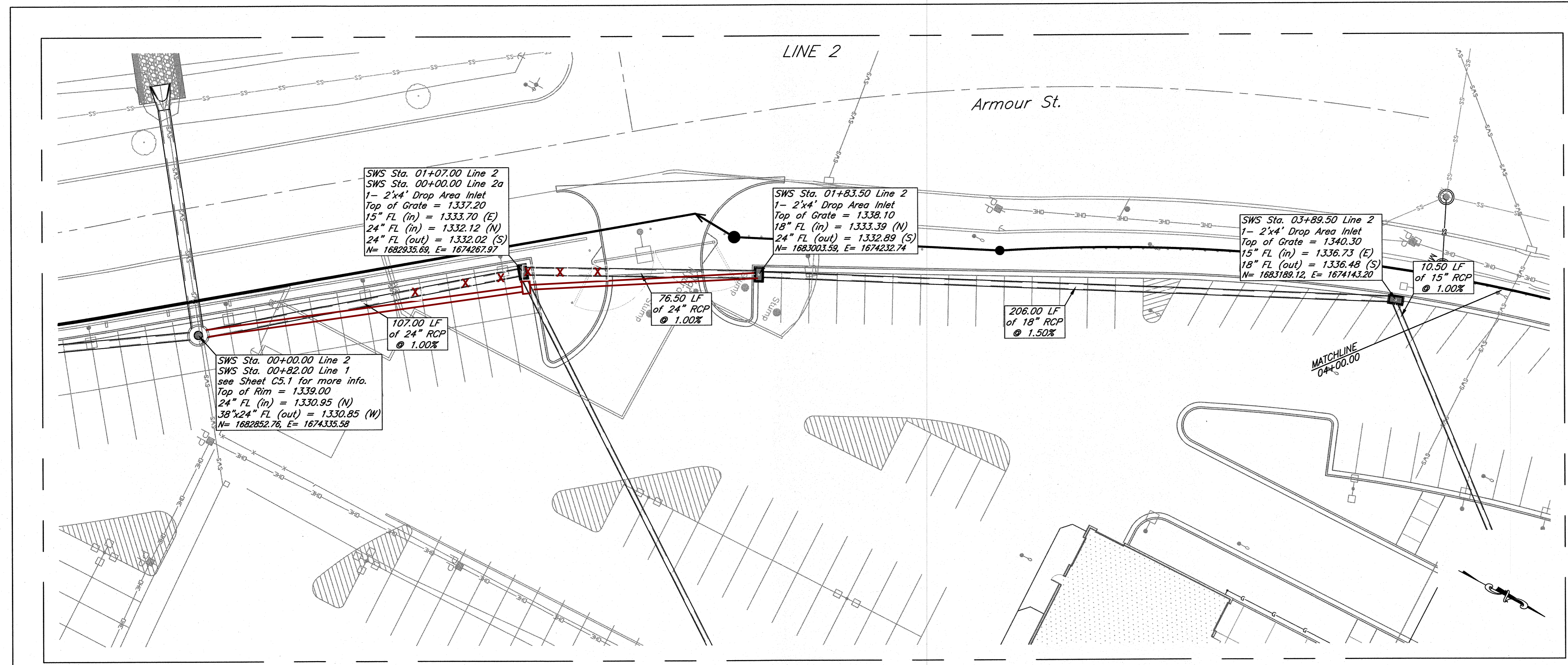
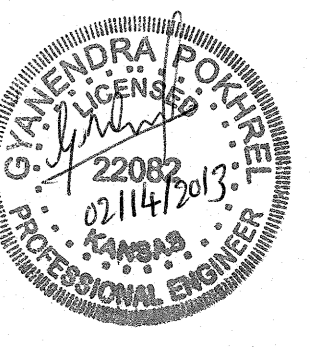


- GROUDED TOEWALL
- STONE RIPRAP
- FILTER COURSE BACKING



kemiller engineering
516 S. Market, Wichita, KS 67202 (316)264-0242

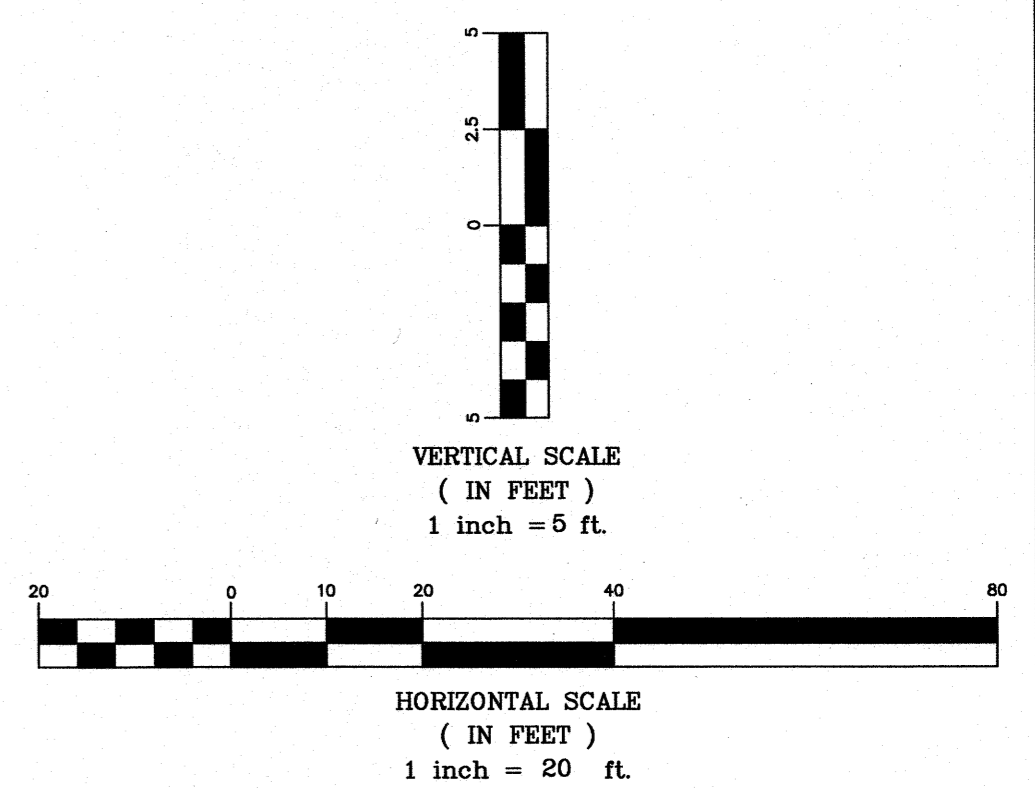
KEM NO. 12075
DESIGN GP
DRAWN NS



AS BUILTS

KEMILLER
 ENGINEERING PA

117 E. Lewis,
 Wichita, KS 67202 (316)264-0242



kemiller
 engineering

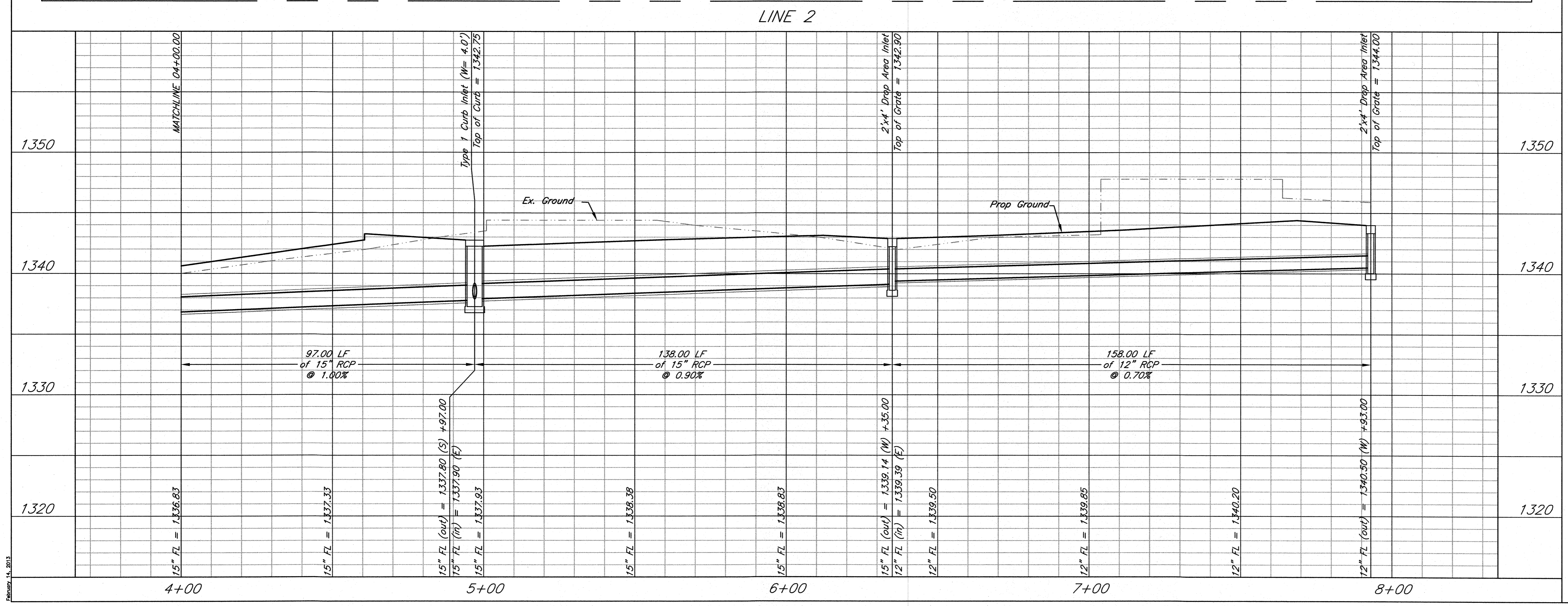
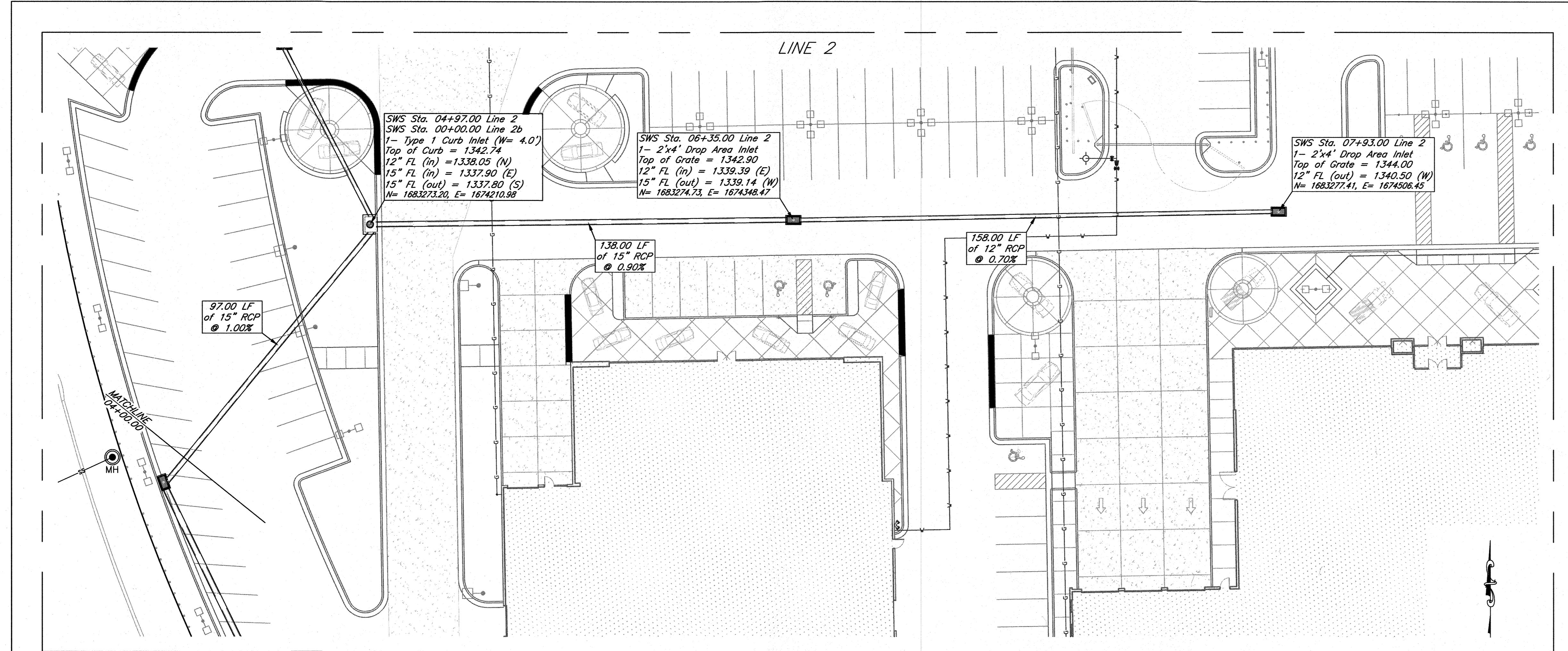
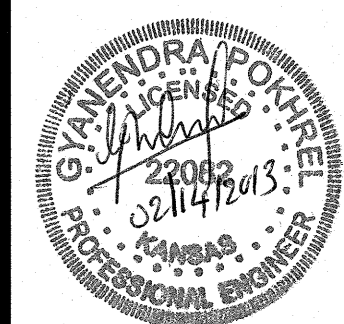
516 S. Market, Wichita, KS 67202 (316)264-0242

KEM NO.
 12142

DESIGN
 GP

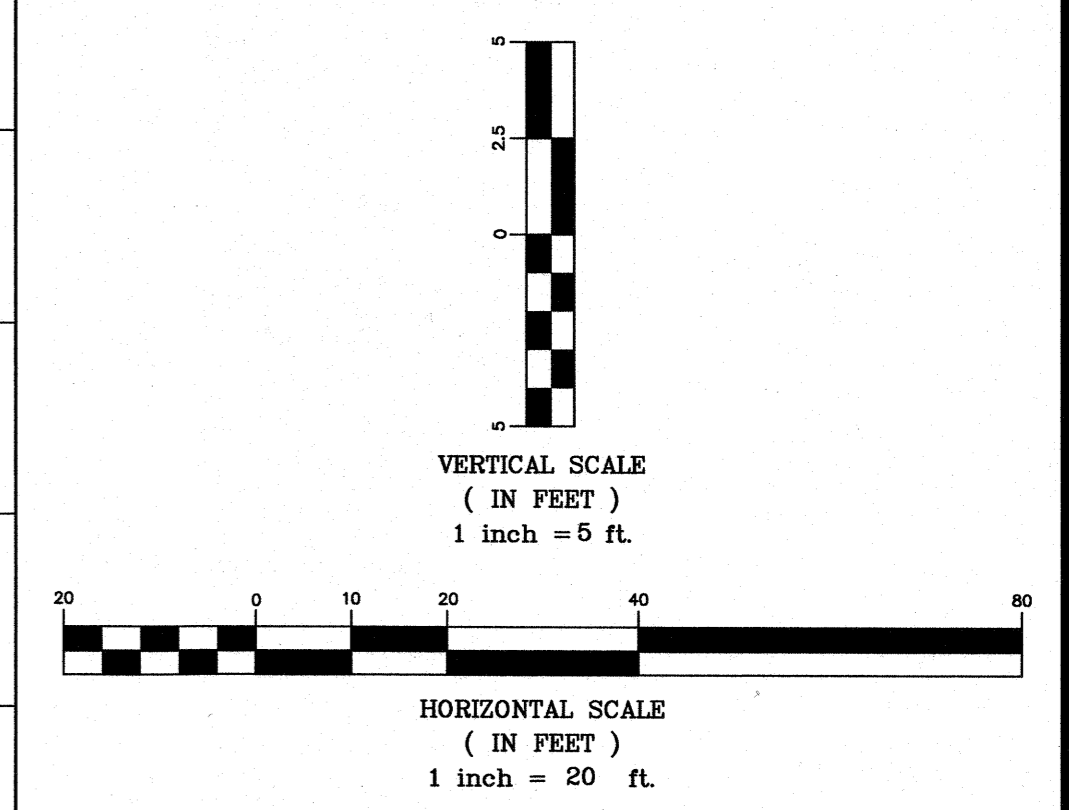
DRAWN
 NS

REVISION 1, 2013



AS BUILTS

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

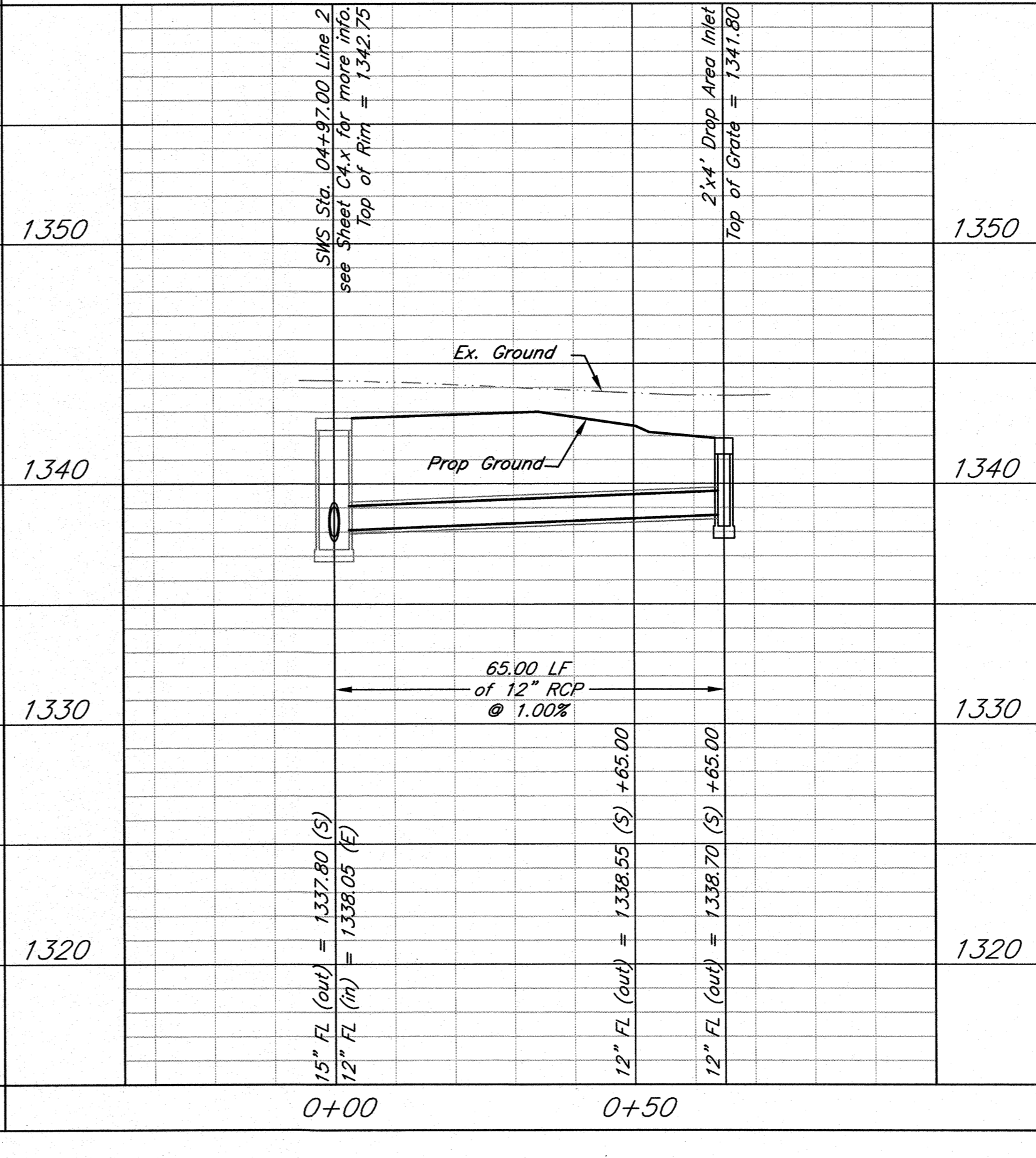
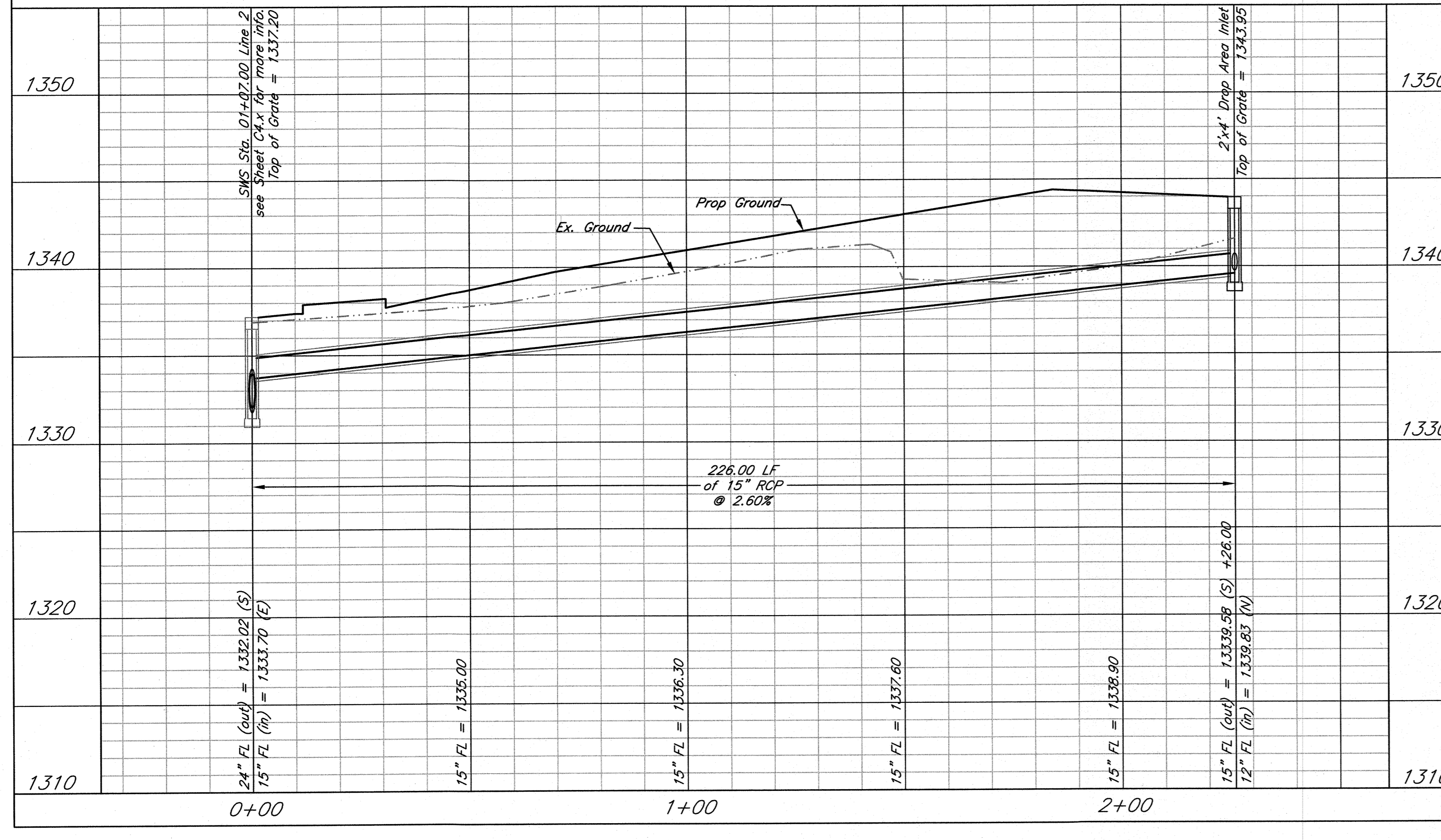
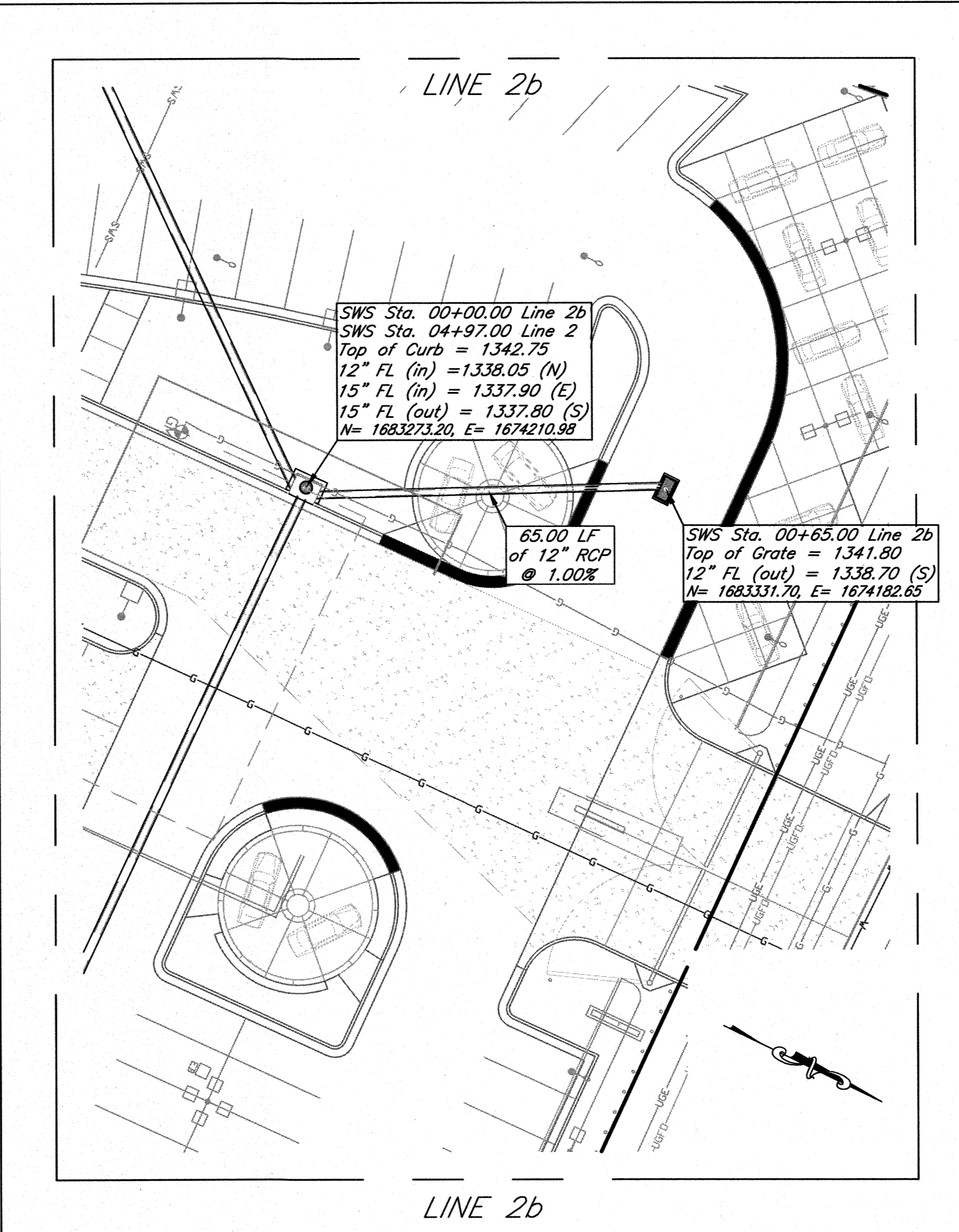
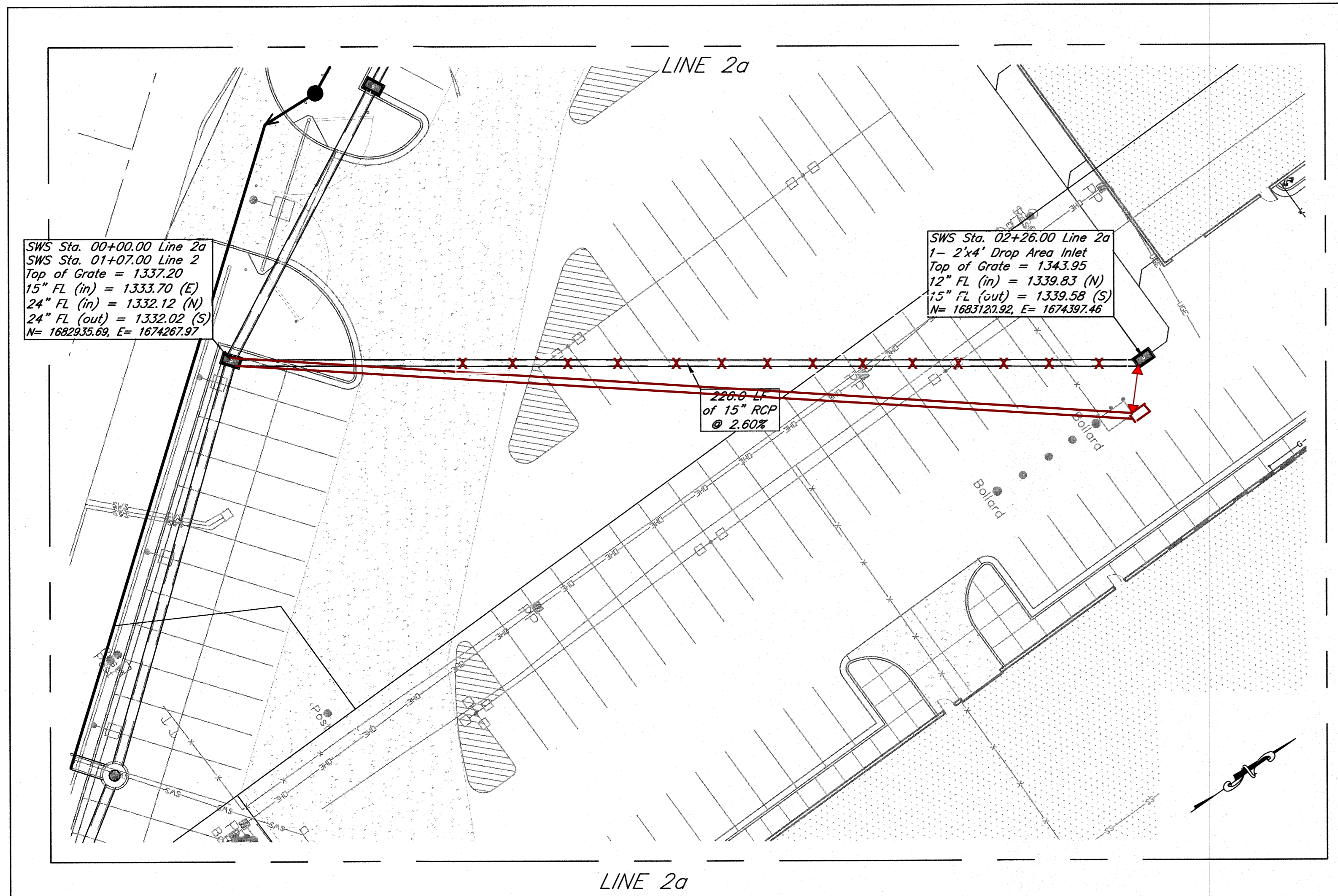


kemiller engineering

516 S. Market, Wichita, KS 67202 (316)264-0242

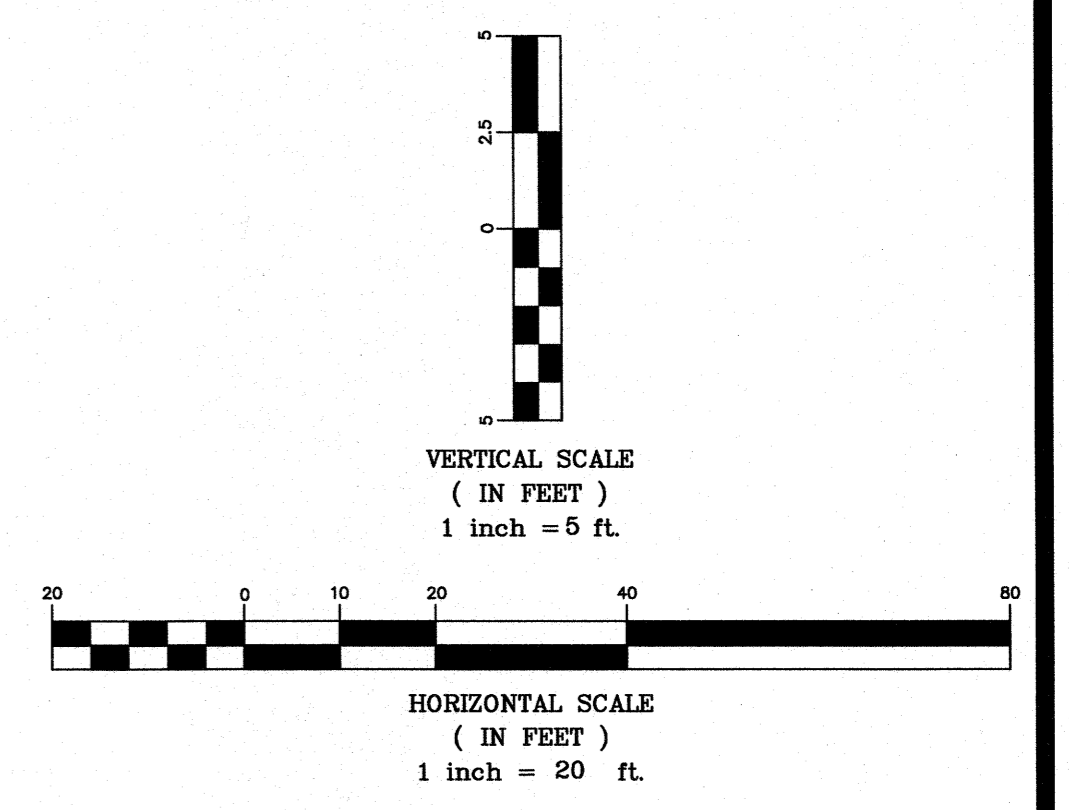
KEM NO. 12142
 DESIGN GP
 DRAWN NS

Revised: 14, 2013



AS BUILTS

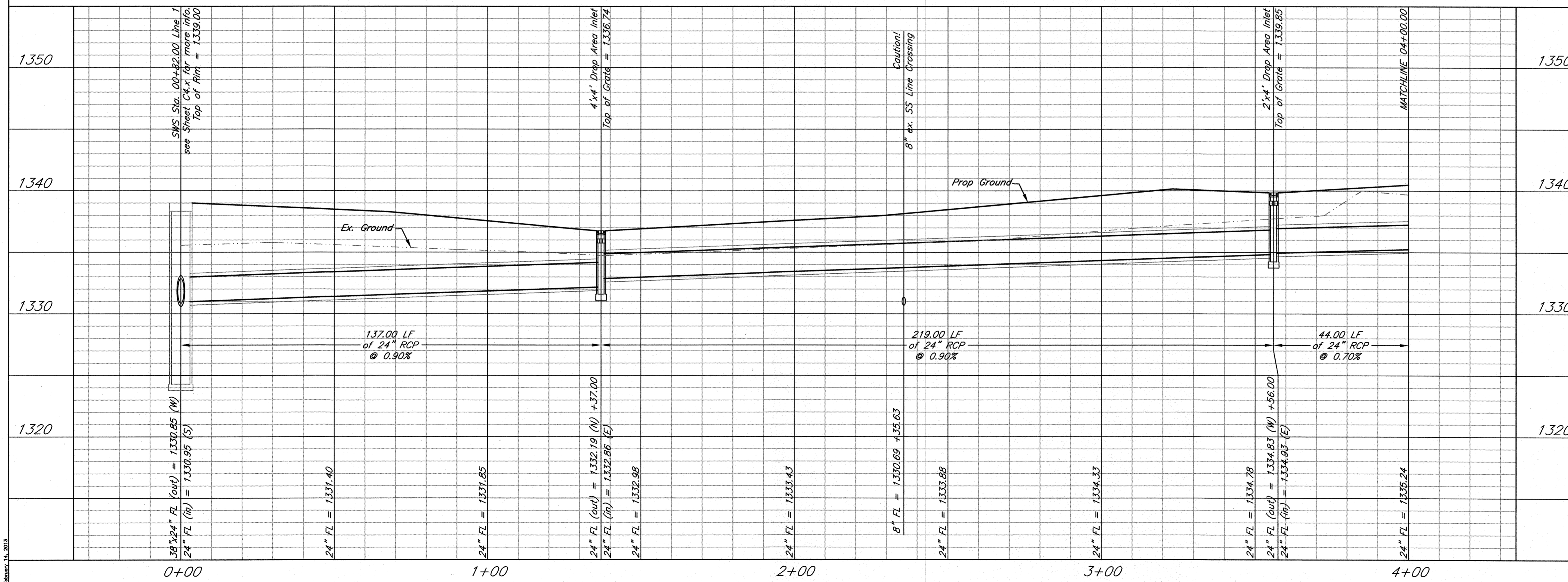
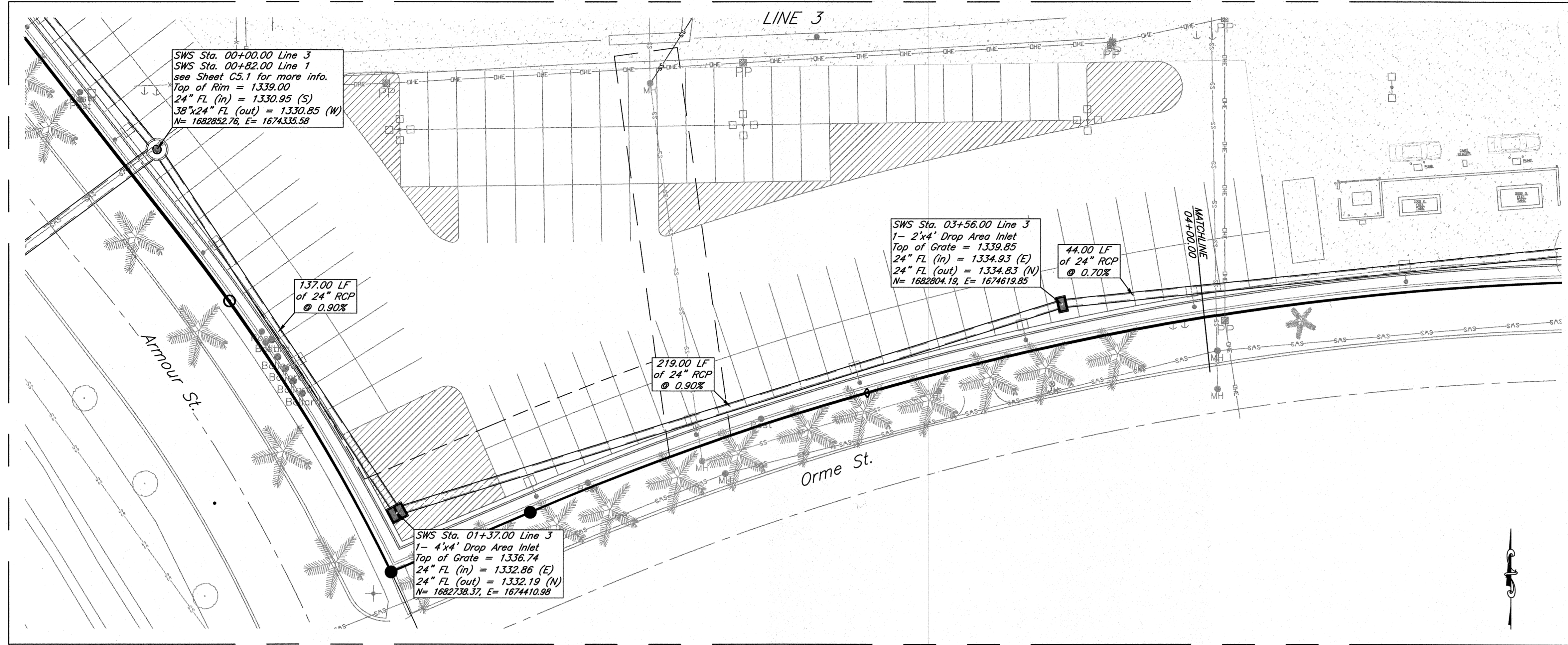
117 E. Lewis,
Wichita, KS 67202 (316)264-0242



516 S. Market, Wichita, KS 67202 (316)264-0242

KEM NO. 12142
DESIGN CP
DRAWN NS

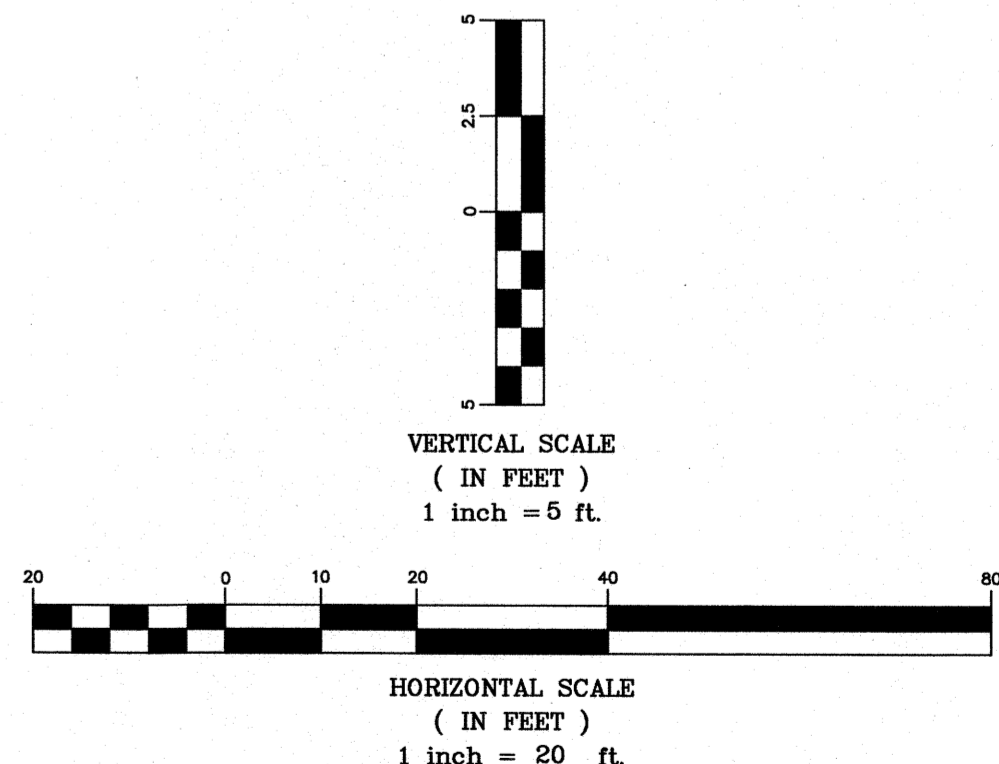




AS BUILTS

KEMILLER ENGINEERING PA

117 E. Lewis,
Wichita, KS 67202 (316)264-0242



kemiller engineering

516 S. Market, Wichita, KS 67202 (316)264-0242

KEM NO. 12142
DESIGN GP
DRAWN NS

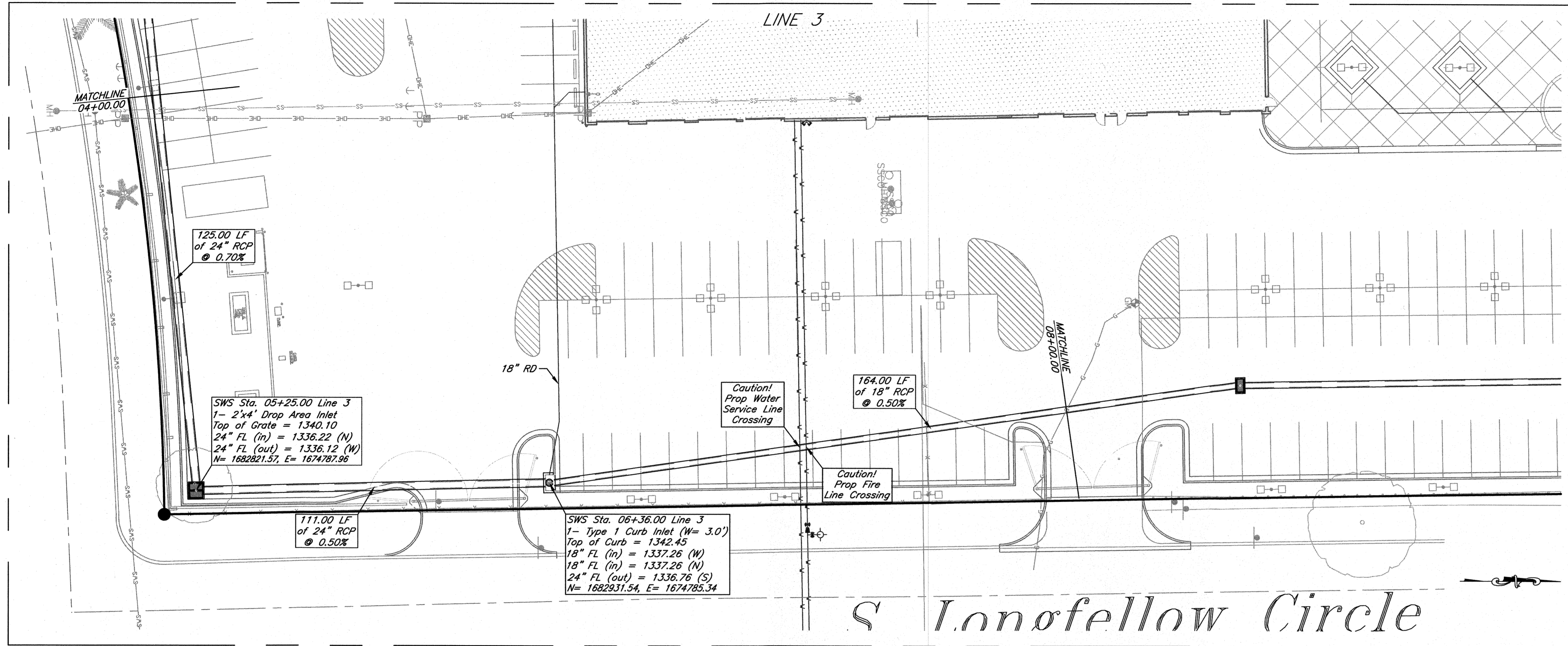
SPANGENBERG PHILLIPS TICE
ARCHITECTURE
121 N Mead Ste 201 Wichita KS 67202
T 316.267.4002 F 316.267.1509
www.sptarchitecture.com



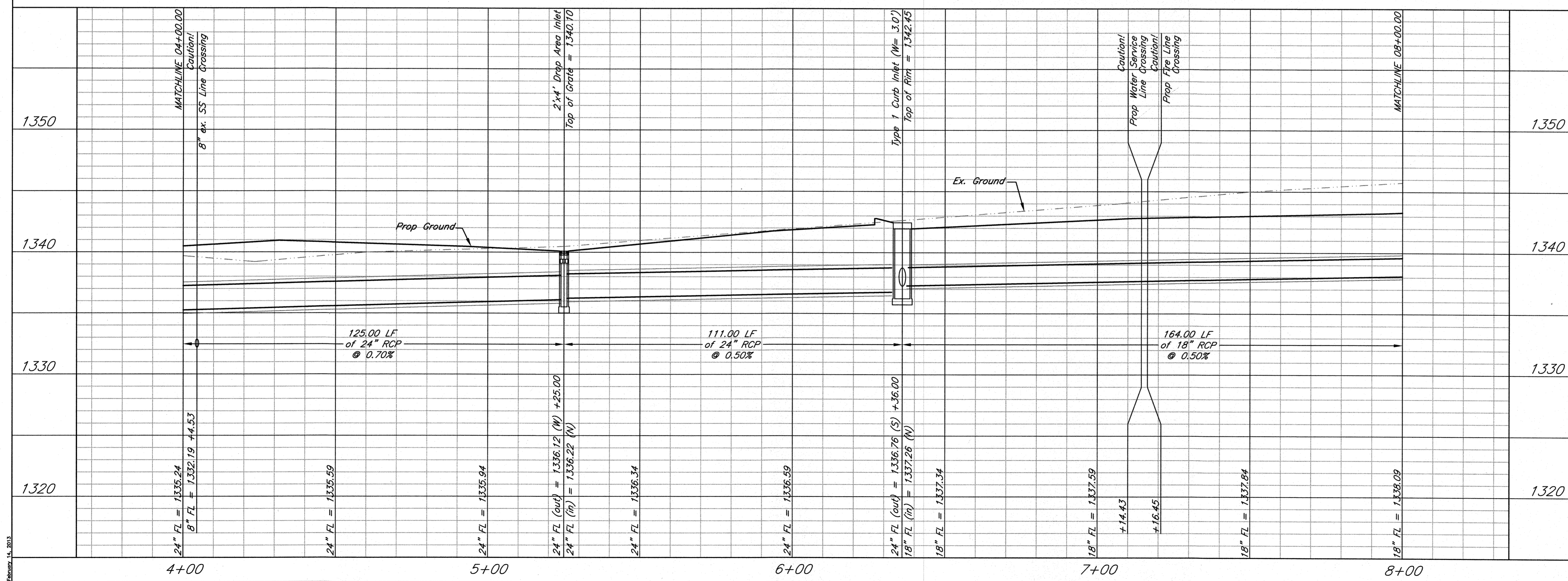
DAVIS MOORE CHRYSLER-FIAT
E. KELLOGG, WICHITA KS

0155 PPD (607861)
Plan & Profiles

C5.5

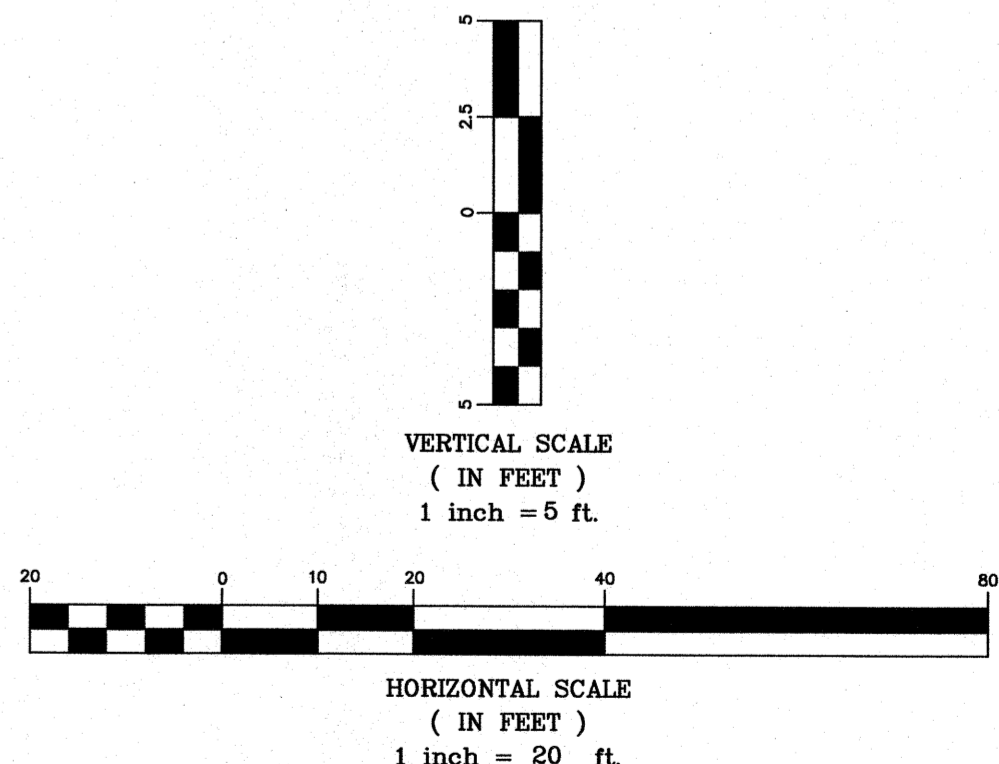


S Lonofellow Circle



AS BUILTS

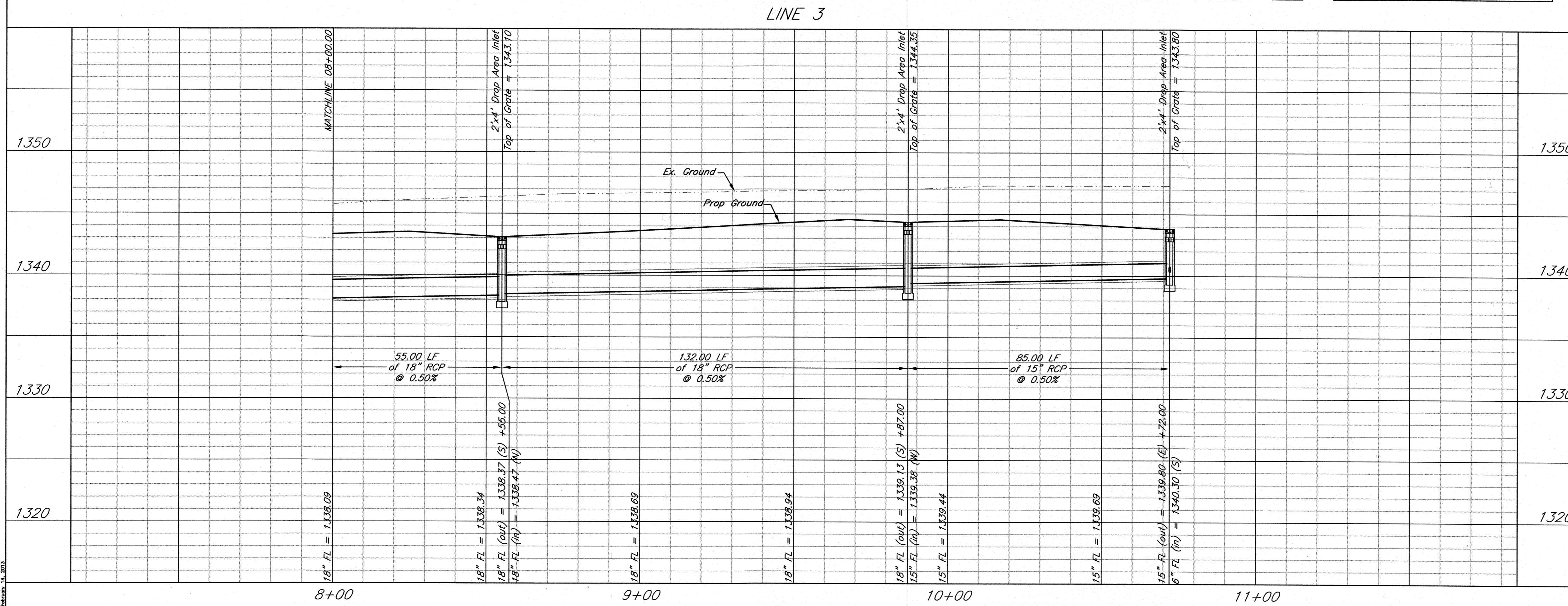
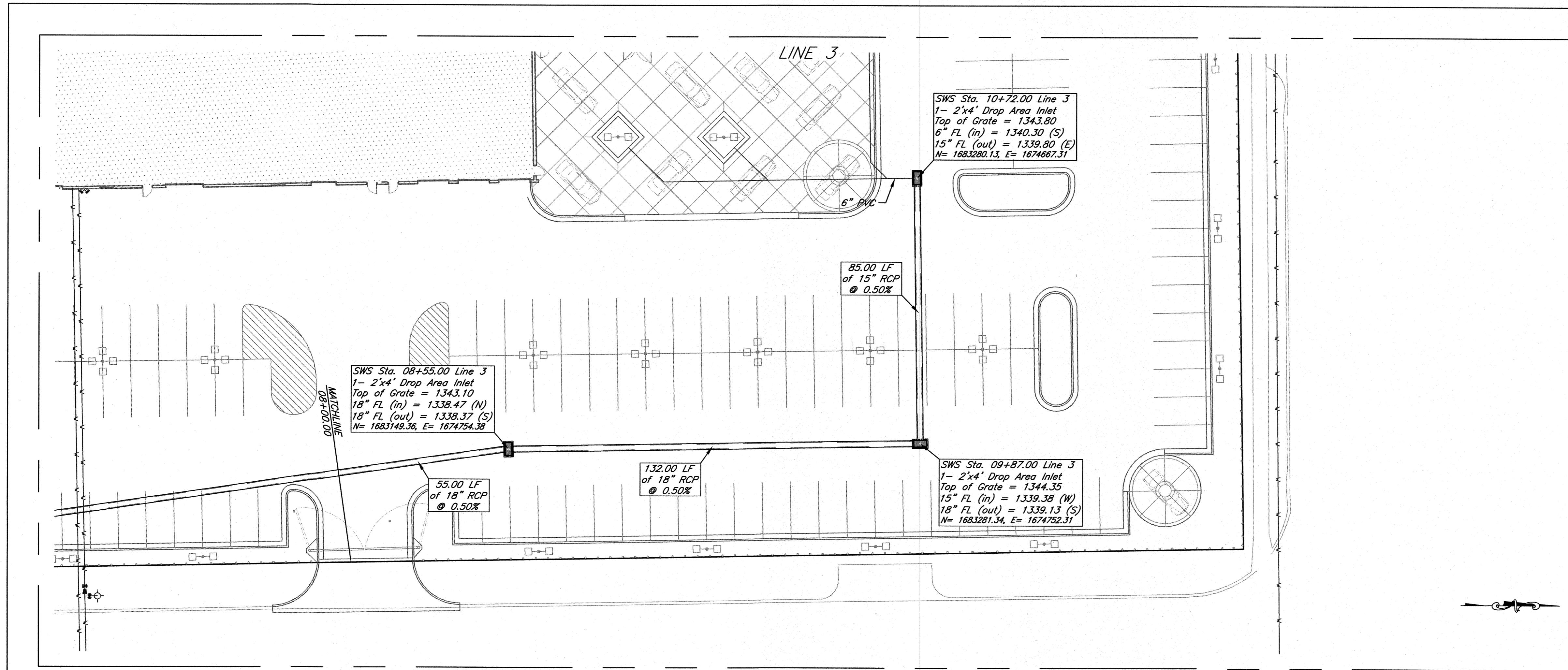
117 E. Lewis,
Wichita, KS 67202 (316)264-0242



516 S. Market, Wichita, KS 67202 (316)264-0242

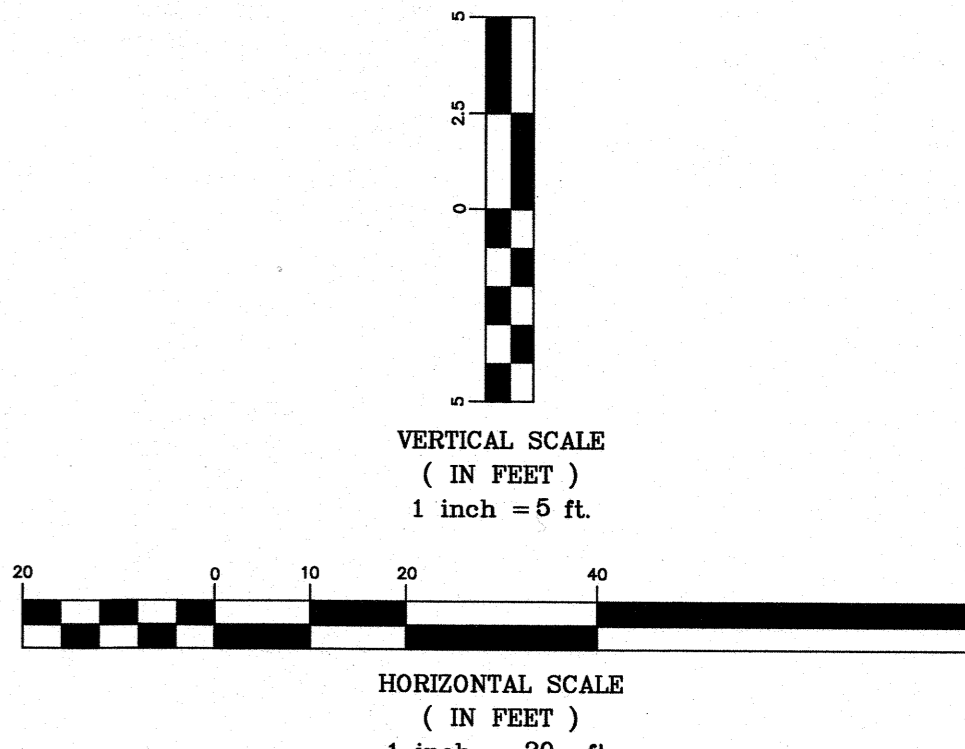
KEM NO.	12142
DESIGN	GP
DRAWN	NS





AS BUILTS

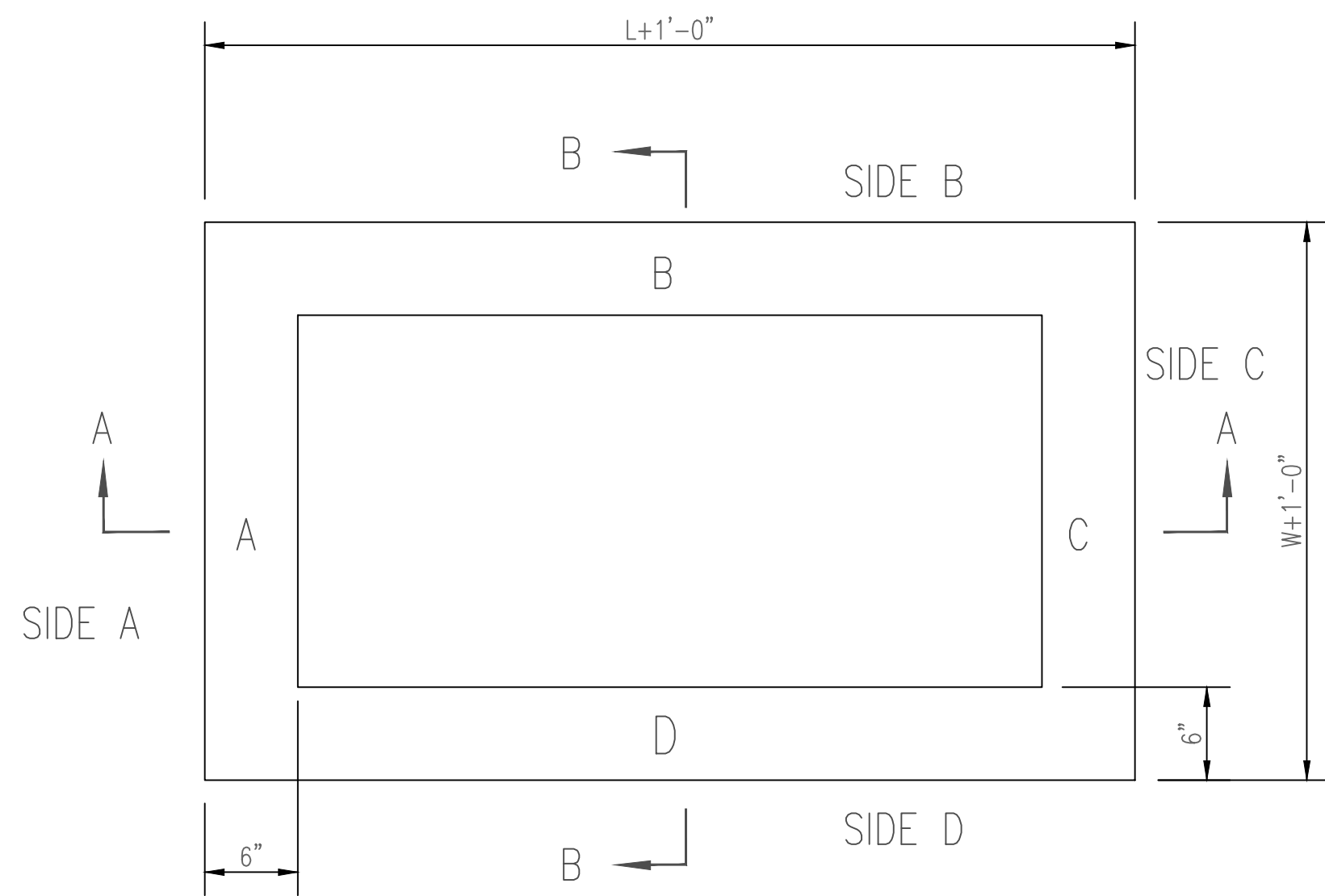
KEMILLER ENGINEERING PA
 117 E. Lewis
 Wichita, KS 67202 (316)264-0242



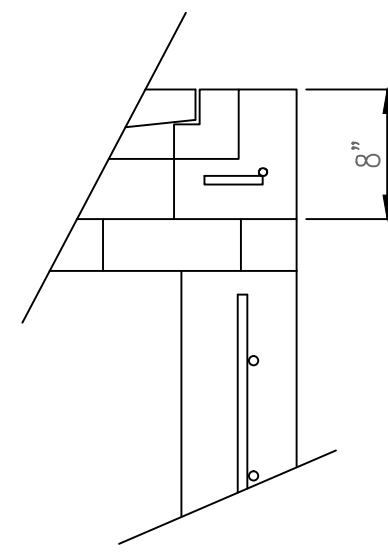
kemiller engineering

516 S. Market, Wichita, KS 67202 (316)264-0242

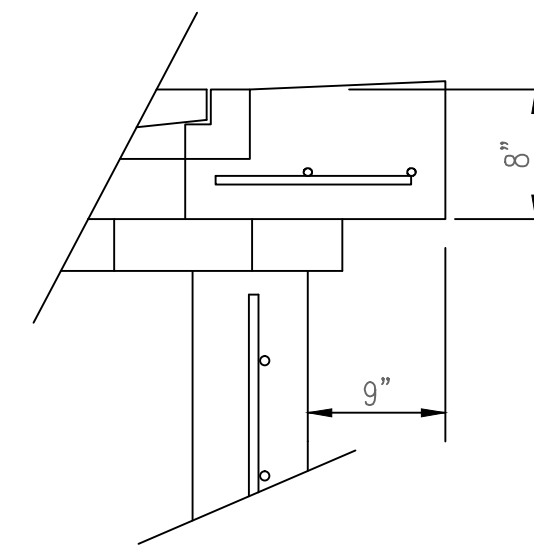
KEM NO. 12142
 DESIGN GP
 DRAWN NS



TOP VIEW

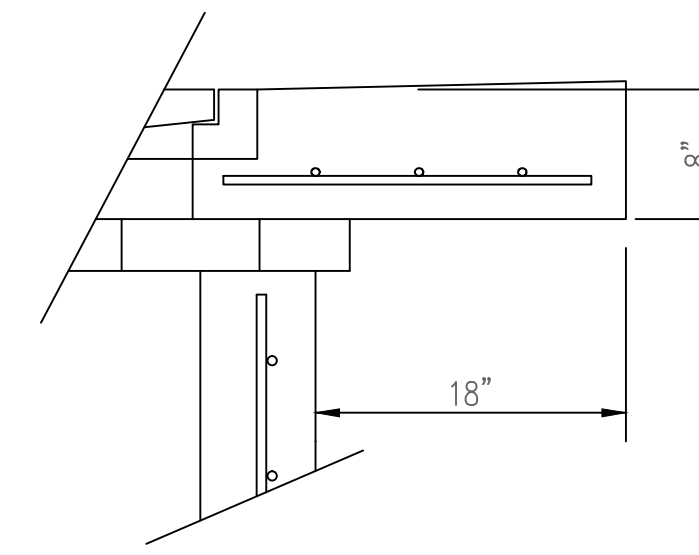


FLUSH STYLE TOP
NO APRON



9" APRON

* APRON TO EXTEND ON ALL 4 SIDES OF INLET.
DESIGNER TO DESIGNATE APRON SIZE.



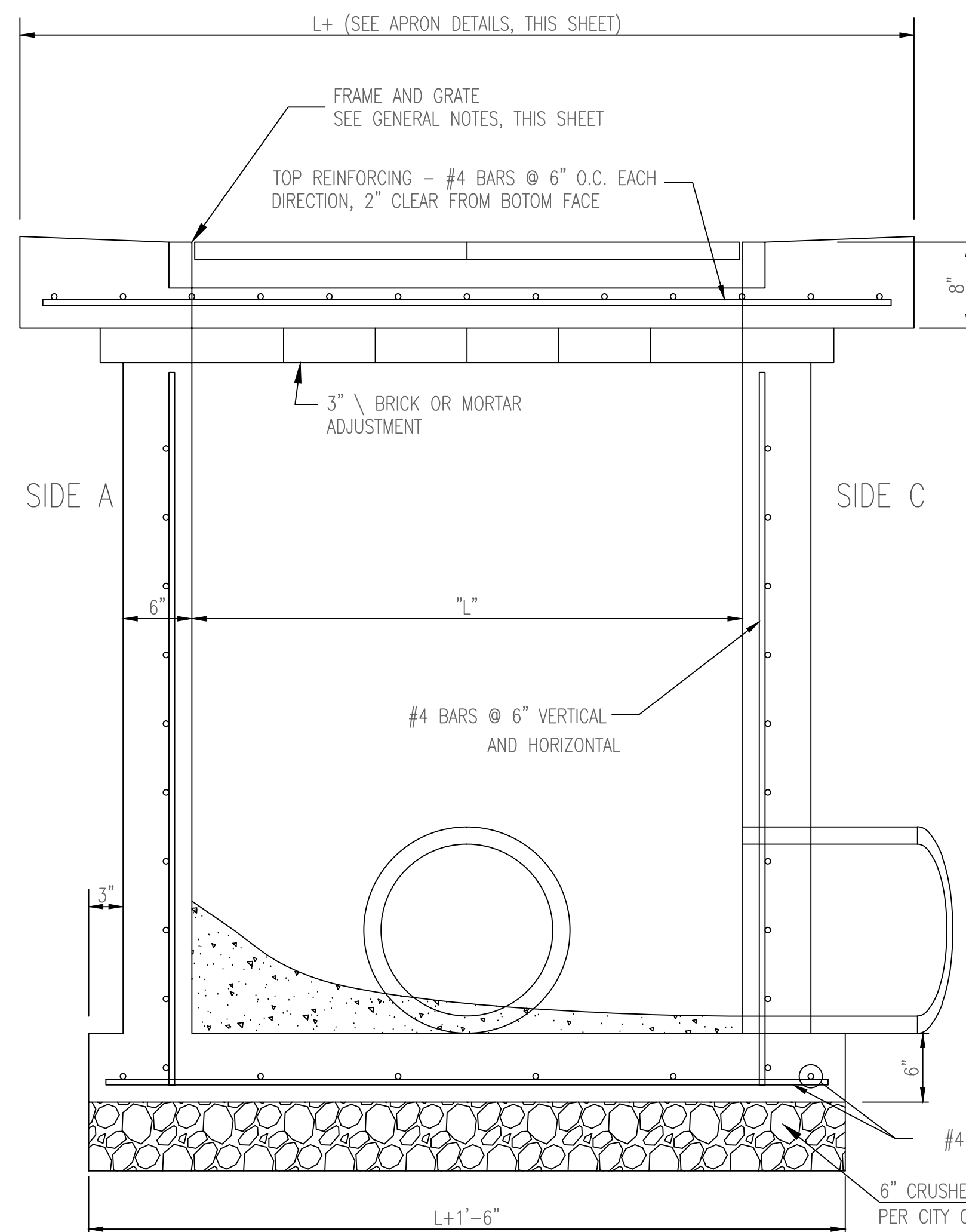
18" APRON

W=2' and L=2' for SINGLE DROP INLET
W=2' and L=4' for DOUBLE DROP INLET

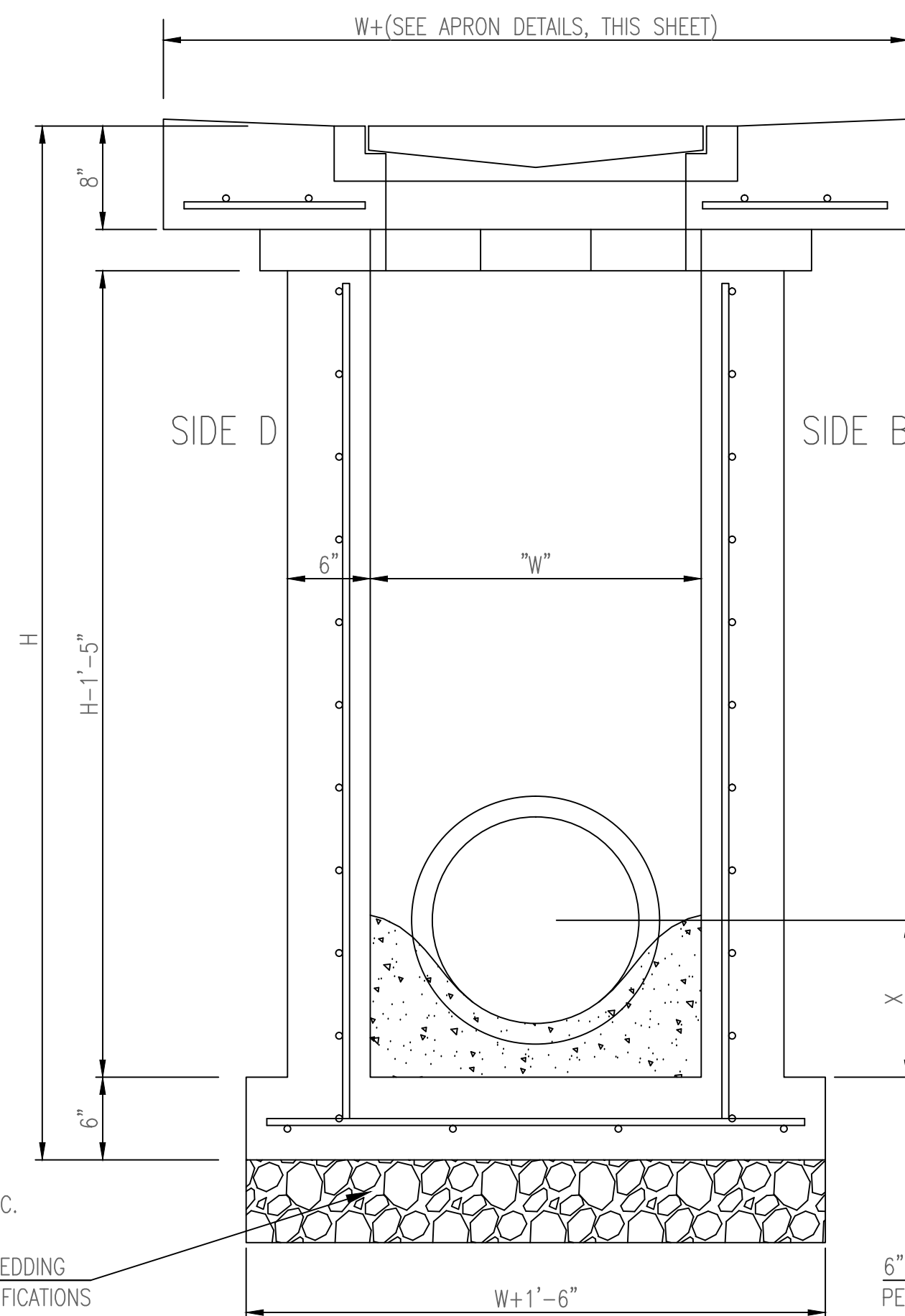
The structure(s) on this detail sheet are designed for HS-20 loading at these specific dimensions only. If larger dimensions are required, the ENGINEER shall provide a project specific structure design for approval by the City Engineer's office.

GENERAL NOTES

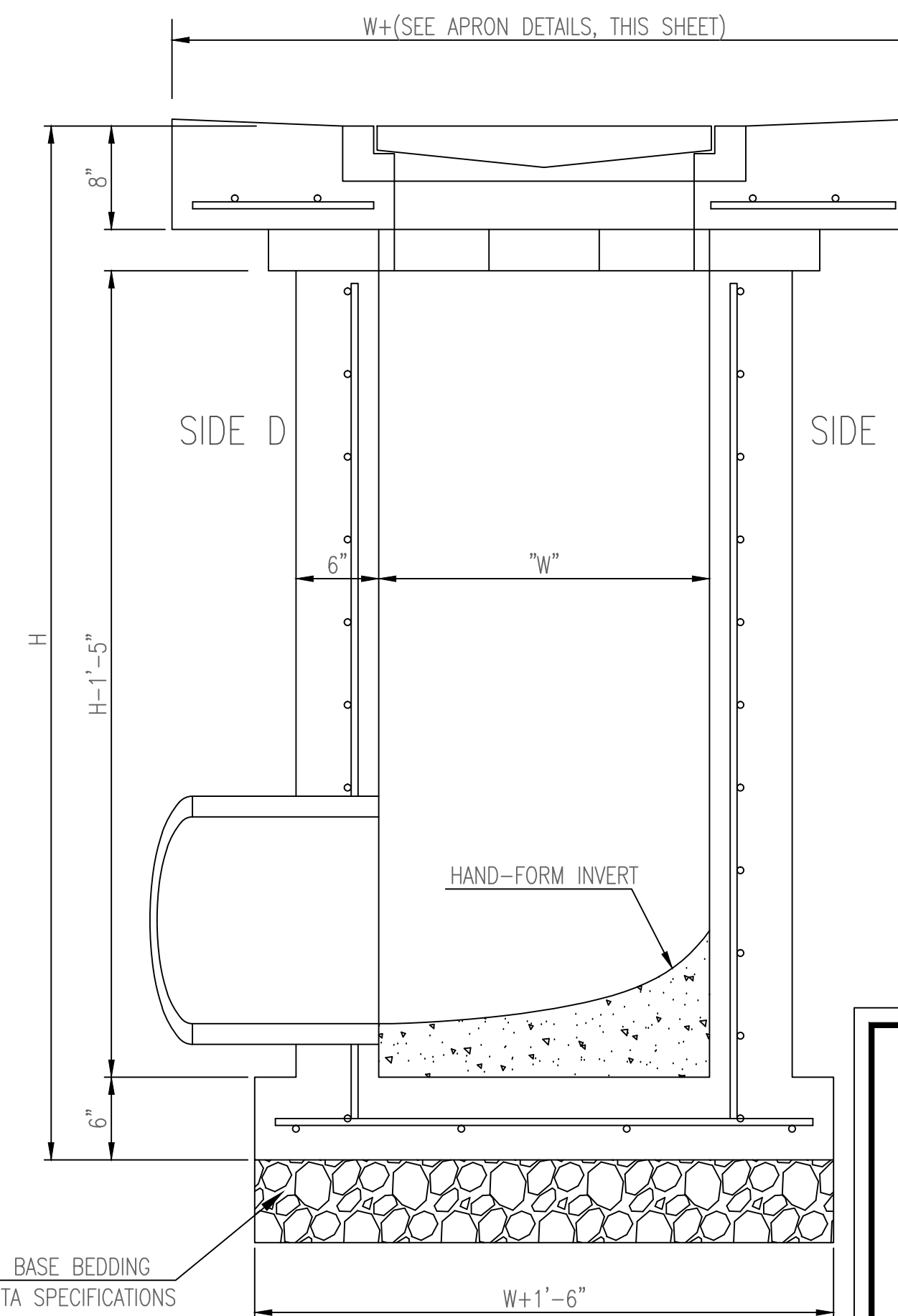
1. GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
2. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
3. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
4. INLET FRAME AND GRATE TO BE DEETER #2433, EJIW #5391-Z1 OR APPROVED EQUAL FOR 2'x2' SINGLE DROP INLET AND DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR 2'x4' DOUBLE DROP INLET.
5. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



SECTION "A-A"



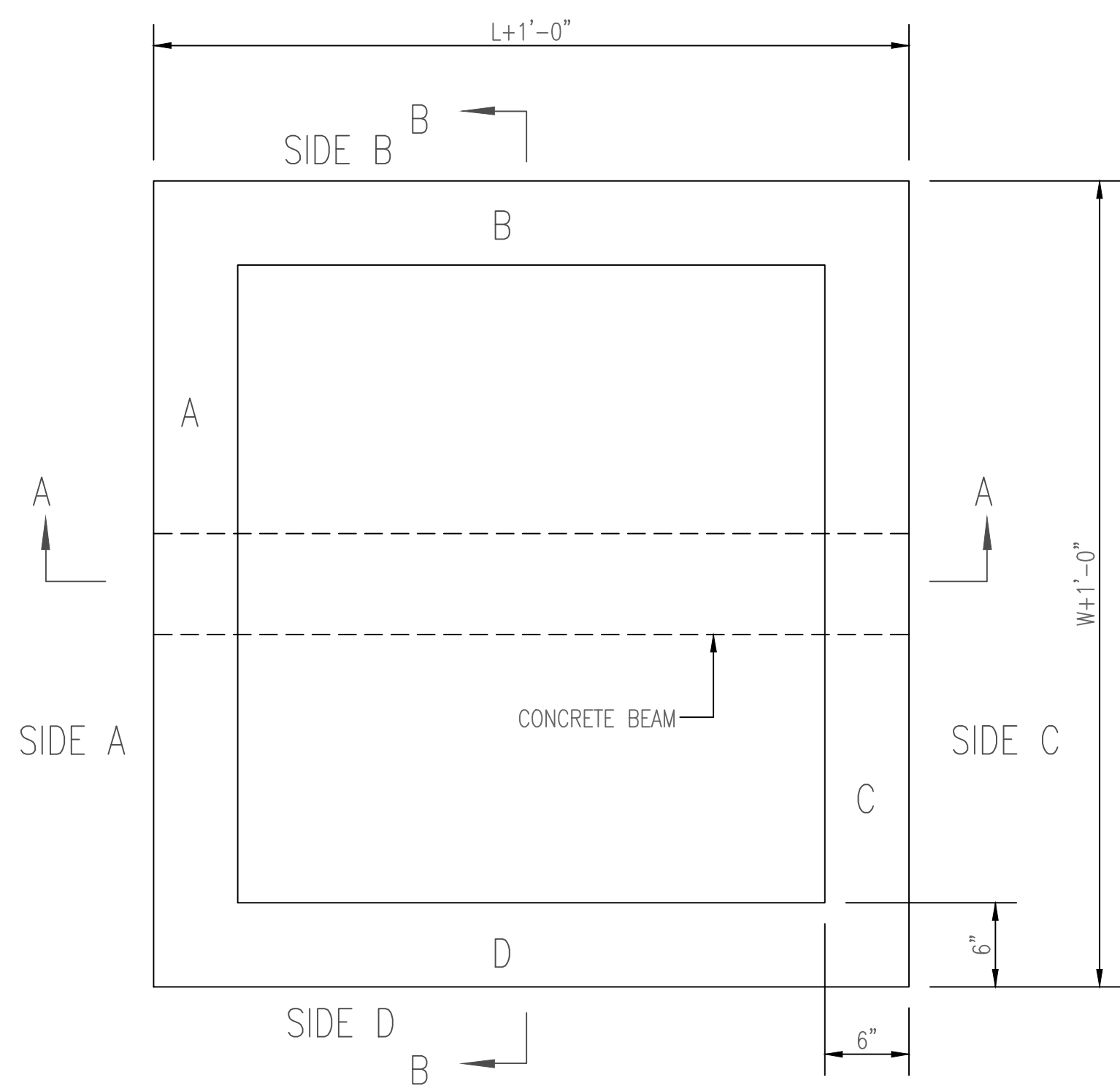
SECTION "B-B"
END OUTLET



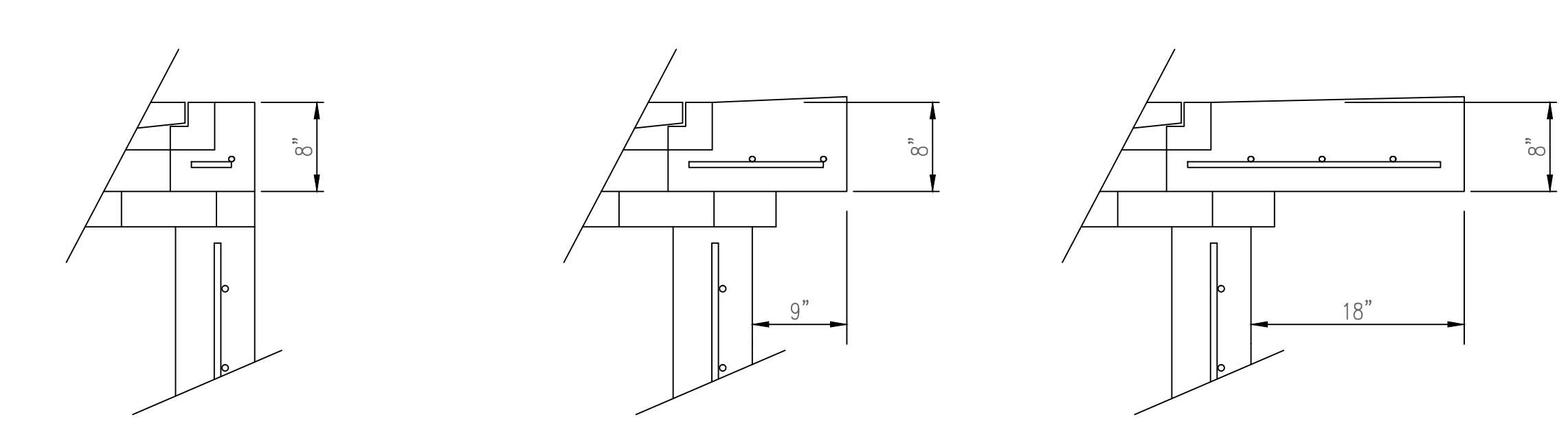
SECTION "B-B"
SIDE OUTLET



SINGLE/DOUBLE DROP INLET		
CITY ENGINEER GRAY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
		05/2011
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET



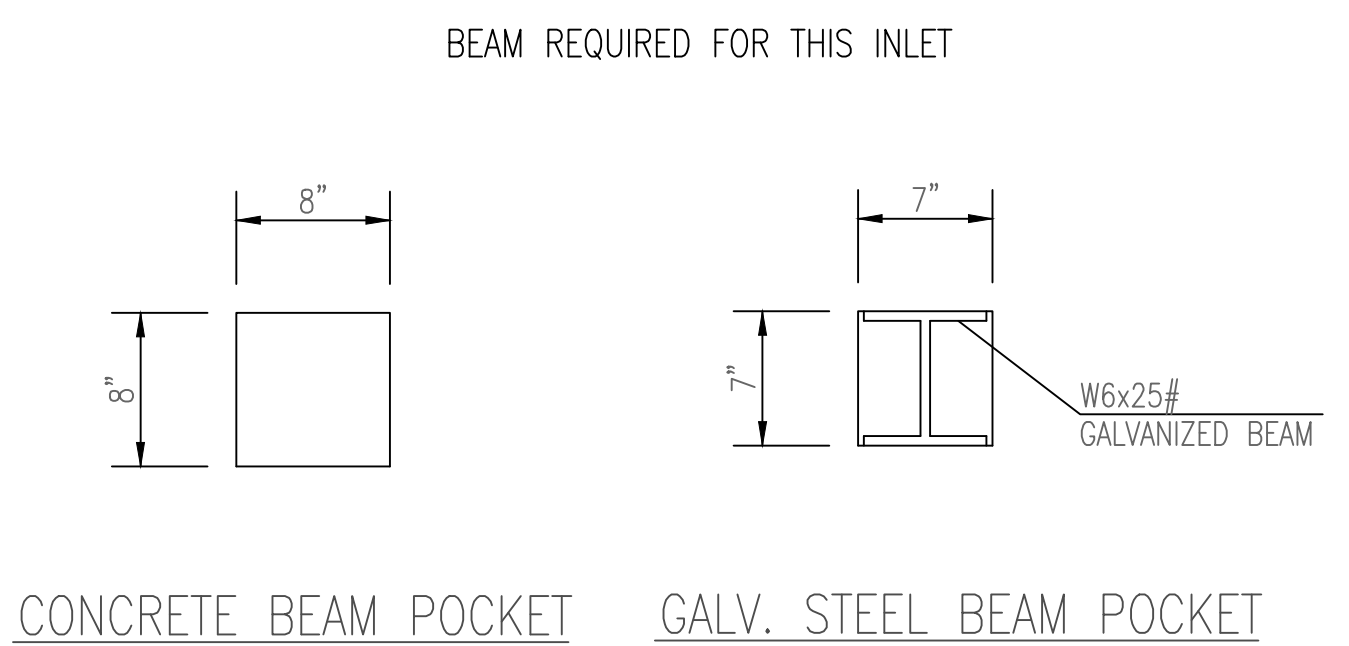
TOP VIEW



FLUSH STYLE TOP
NO APRON

9" APRON
* APRON TO EXTEND ON ALL 4 SIDES OF INLET.
DESIGNER TO DESIGNATE APRON SIZE.

18" APRON



CONCRETE BEAM POCKET

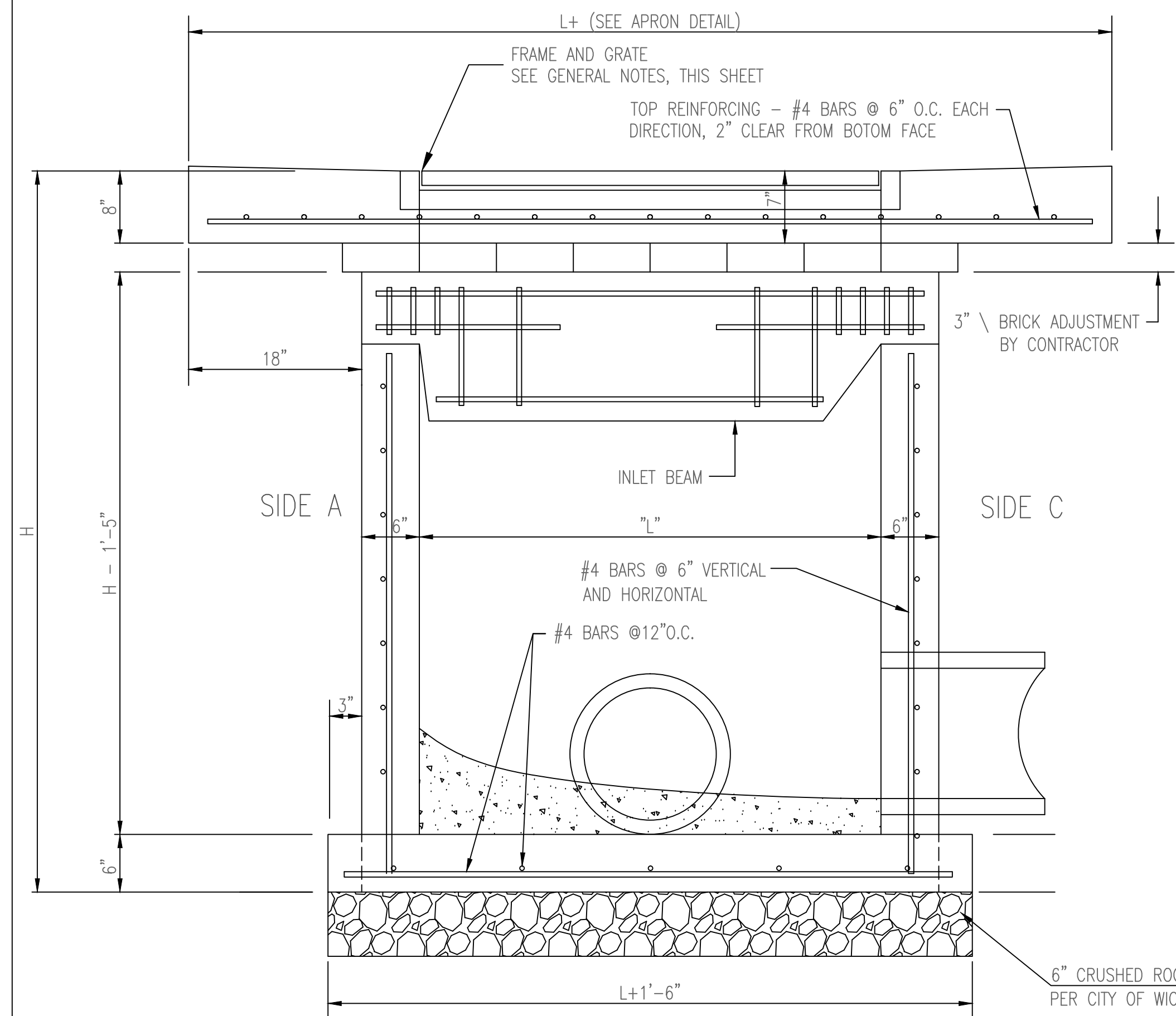
GALV. STEEL BEAM POCKET

W=4'-4" and L=4' for DOUBLE DROP INLET

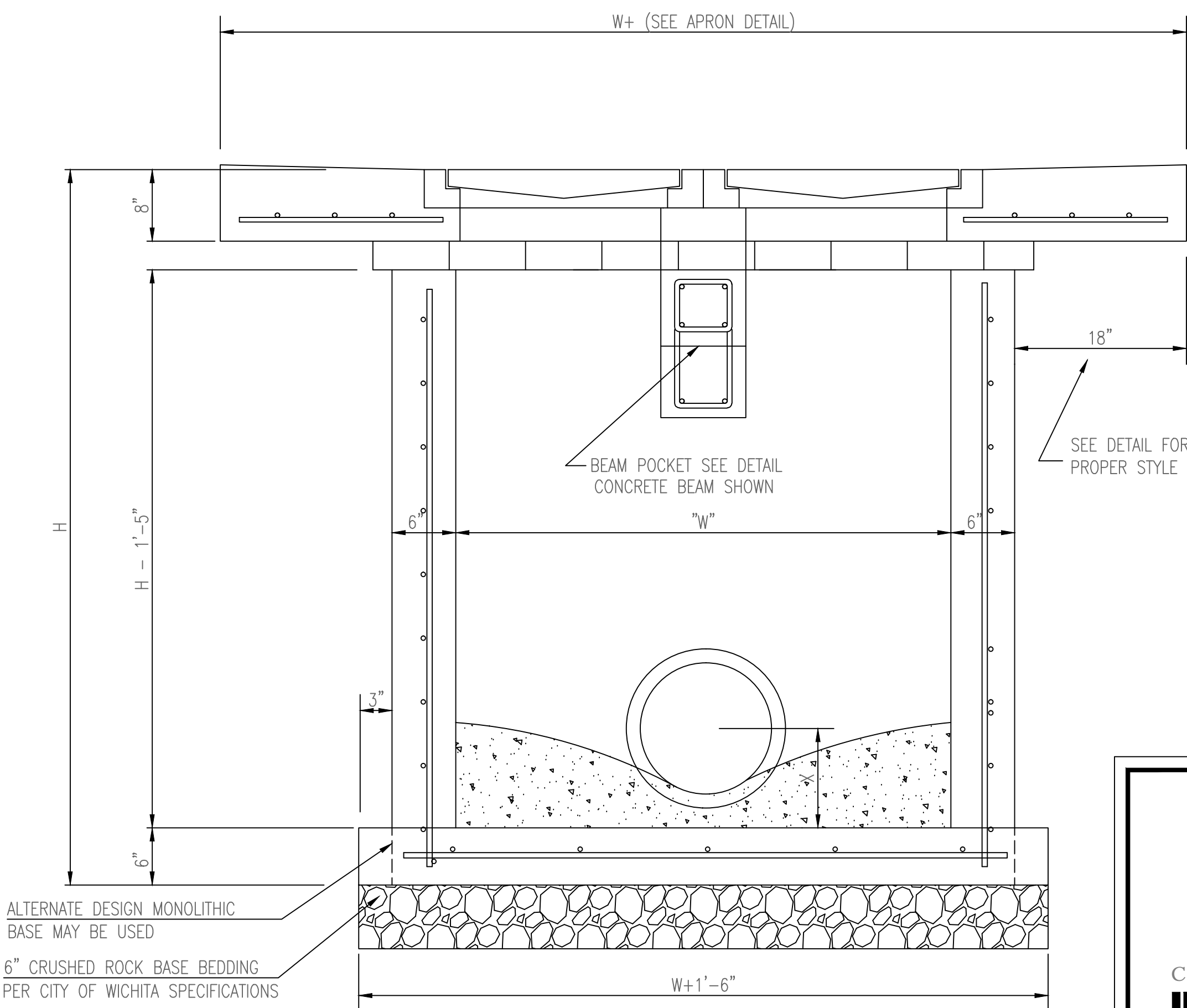
The structure(s) on this detail sheet are designed for HS-20 loading at these specific dimensions only. If larger dimensions are required, the ENGINEER shall provide a project specific structure design for approval by the City Engineer's office.

GENERAL NOTES

1. GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
2. INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
3. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
4. INLET FRAME AND GRATE TO BE DEETER #2433, EJIW #5391-Z1 OR APPROVED EQUAL FOR 2'x2' SINGLE DROP INLET AND DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR 2'x4' DOUBLE DROP INLET.
5. CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



SECTION "A-A"



SECTION "B-B"



DOUBLE DOUBLE DROP INLET WITH BEAM		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
		05/2011
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		SHEET