

# GENERAL NOTES:

1. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) 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  
 Kansas Gas Service 1-888-482-4950  
 Westar Energy 383-8650  
 Black Hills Energy 1-800-303-0357  
 AT&T 268-2245  
 City of Wichita Water Dept. 268-4563  
 City of Wichita Sewer Maint. 268-4024  
 City of Wichita Storm Sewer Maint. 268-4090  
 City of Wichita Traffic Maint. 268-4034  
 Conoco Phillips Pipeline Co. 1-877-267-2290  
 Southern Star Pipeline Co. 529-6600  
 Kinder-Morgan Pipeline Co. 1-888-844-6658

2. Utility service lines, poles, valve boxes, meters, and etcetera 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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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, in the opinion of the Engineer, that 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.

4. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

5. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

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

7. All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Site Restoration".

8. All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.

9. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.

10. Contractor shall grade around exposed manholes at a 1:1 slope. Manholes set lower than existing grade shall have a 9" berm constructed around manhole to prevent infiltration into sanitary sewer system. Cost of dirt, labor, equipment, etc. to be incidental to cost of manhole.

11. Area will be graded and seeded by site contractor (separate project).

12. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.

# SANITARY SEWER IMPROVEMENTS to serve

# LOT 1, BLOCK A GREAT PLAINS BUSINESS PARK 4TH ADD.

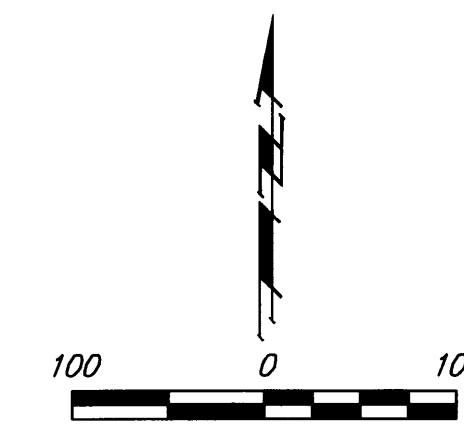
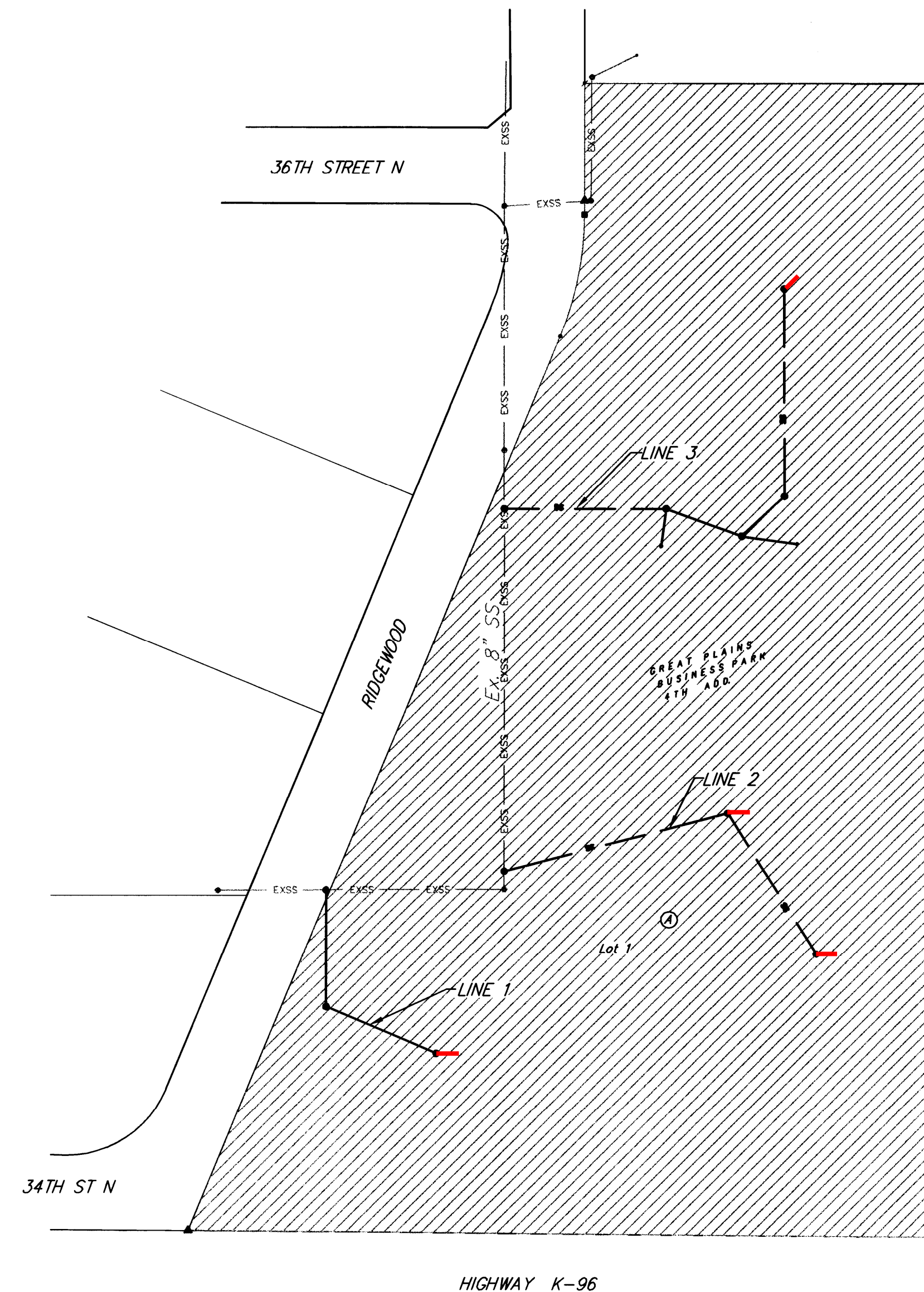
CITY OF WICHITA, KANSAS

Gary Janzen, P.E. Interim City Engineer

Private Project Number  
2136 PPS (607861)

## Benchmarks

CROSS CUT TOP OF CATCH BASIN WEST SIDE OF RIDGEWOOD 14'± NORTH OF THE SE COR. OF LOT 3, BLOCK 2, GREAT PLAINS BUSINESS PARK ADDITION.  
ELEV.=1368.03 (NAVD88)



T. Mason - City of Wichita, Inspector  
Stubs & Cleanout Risers  
Release Date: 01/08/2013  
APR0sas 01/11/2013

**PRIVATE LINES**

LINE 2 from STA. 2+15.9 to STA. 3+71.3, 155.4 LF is PRIVATE.

The 35.3 LF of line with the cleanout going South @ STA. 1+51.1 on Line 3 is PRIVATE.

The 52.6 LF of line with the cleanout going East @ STA. 2+26.1 on Line 3 is PRIVATE.

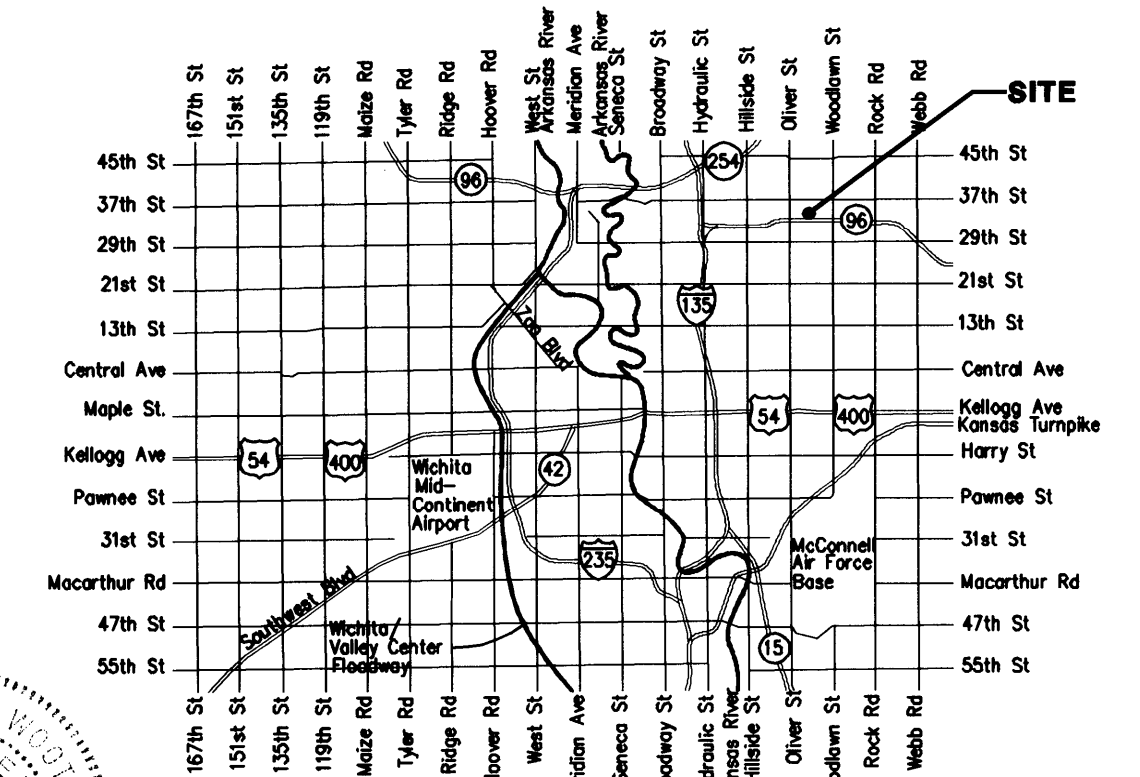
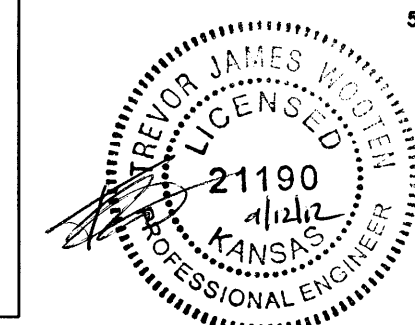
## Sheet Index

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APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA  
Sanitary Sewers *Julianne Kallman* 9-12-12

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).



Vicinity Map

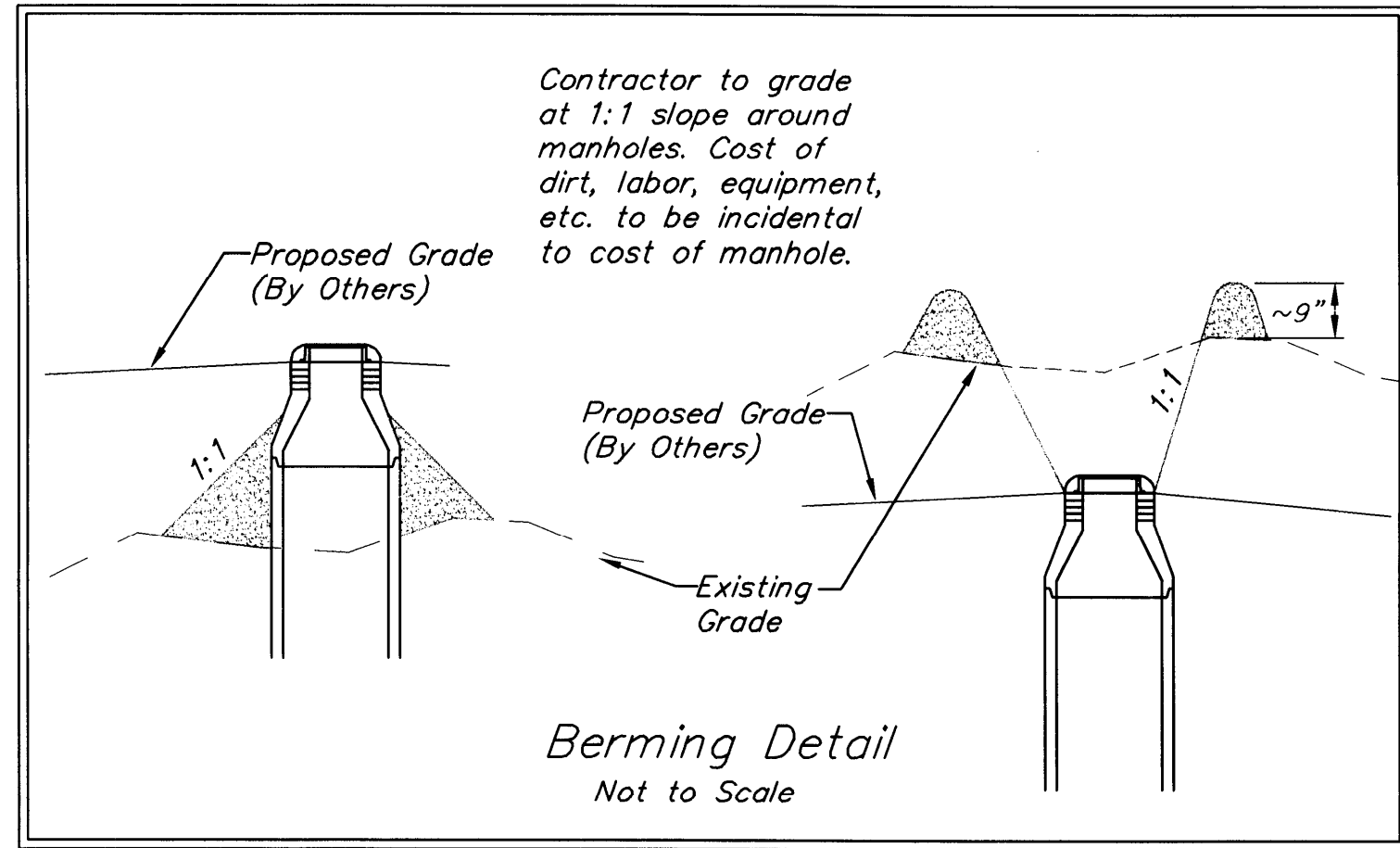
Benefit District

As-Built Plans  
Contractor: Mies Construction  
Inspector: Eric Strecker, Schwab-Eaton, P.A.  
PDF by: ELS, 1/7/13



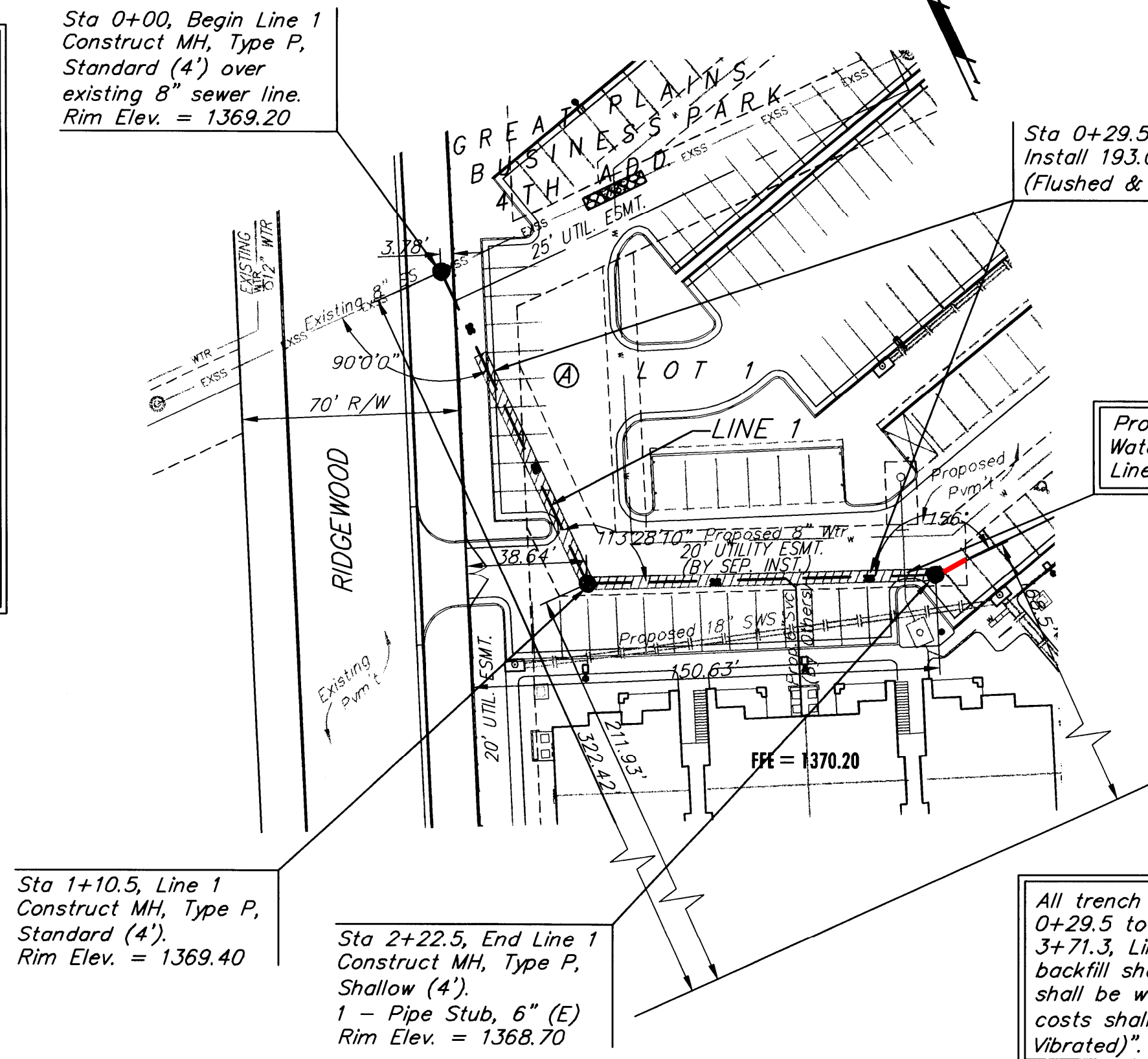
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

**BENCHMARK:**  
 CROSS CUT TOP OF CATCH BASIN WEST SIDE  
 OF RIDGEWOOD 14'± NORTH OF THE SE COR.  
 OF LOT 3, BLOCK 2, GREAT PLAINS BUSINESS  
 PARK ADDITION.  
 ELEV.=1368.03 (NAVD88)

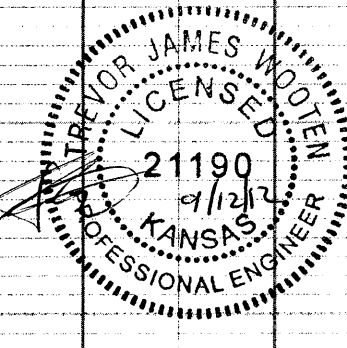
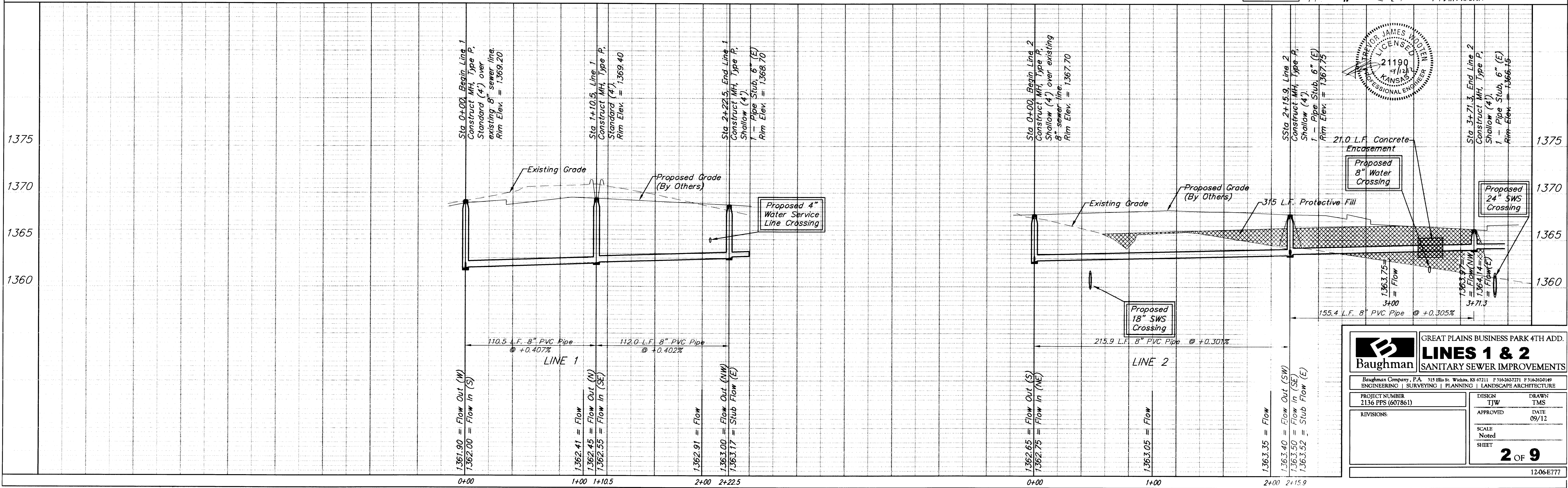
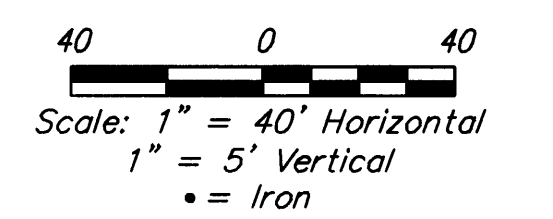
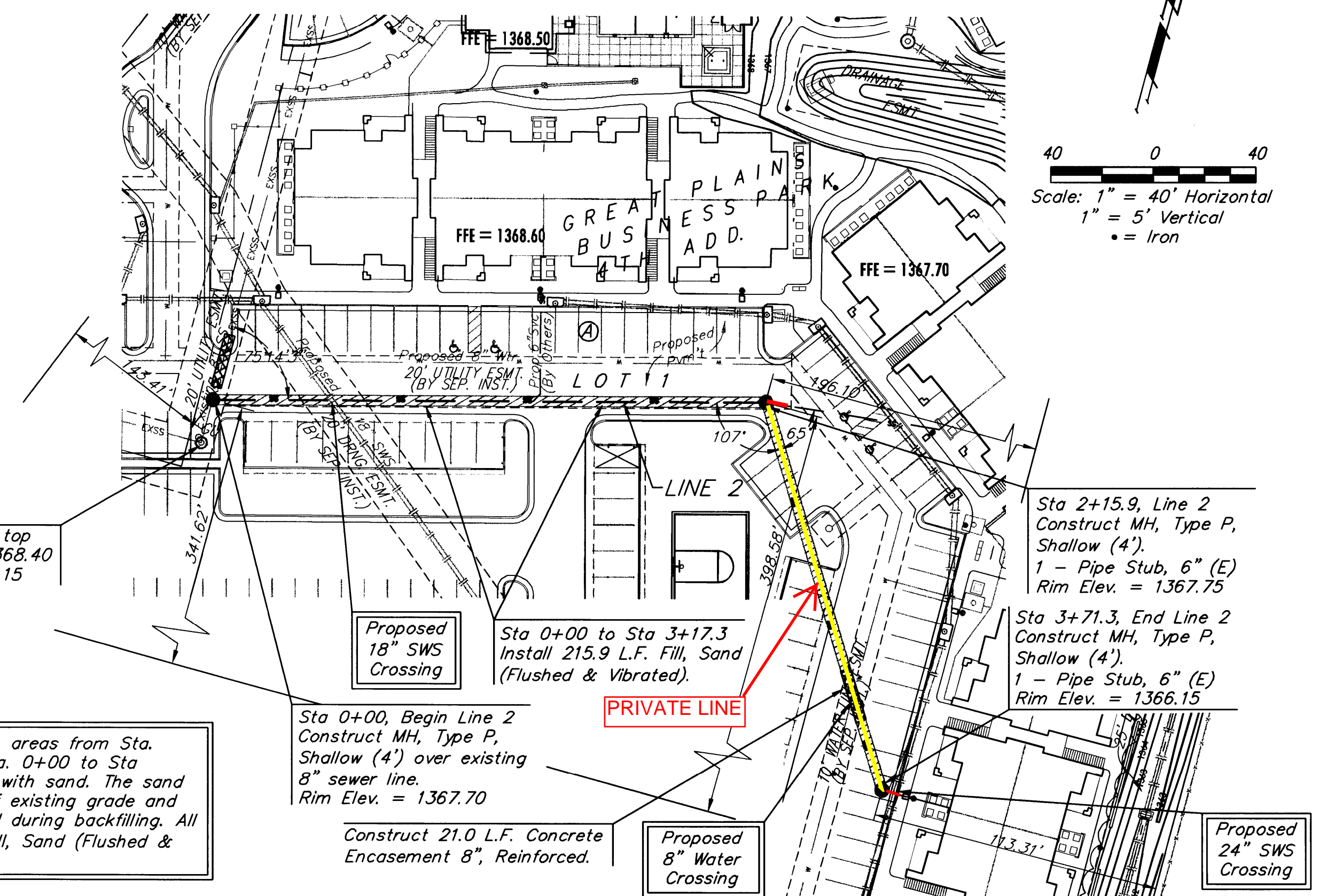


Sta 0+00, Begin Line 1  
 Construct MH, Type P,  
 Standard (4') over  
 existing 8" sewer line.  
 Rim Elev. = 1369.20

Sta 0+29.5 to Sta 2+22.5  
 Install 193.0 L.F. Fill, Sand  
 (Flushed & Vibrated).



All trench and manhole excavation areas from Sta. 0+29.5 to Sta 2+22.5, Line 1, Sta. 0+00 to Sta 3+71.3, Line 2 shall be backfilled with sand. The sand backfill shall be within two feet of existing grade and shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".



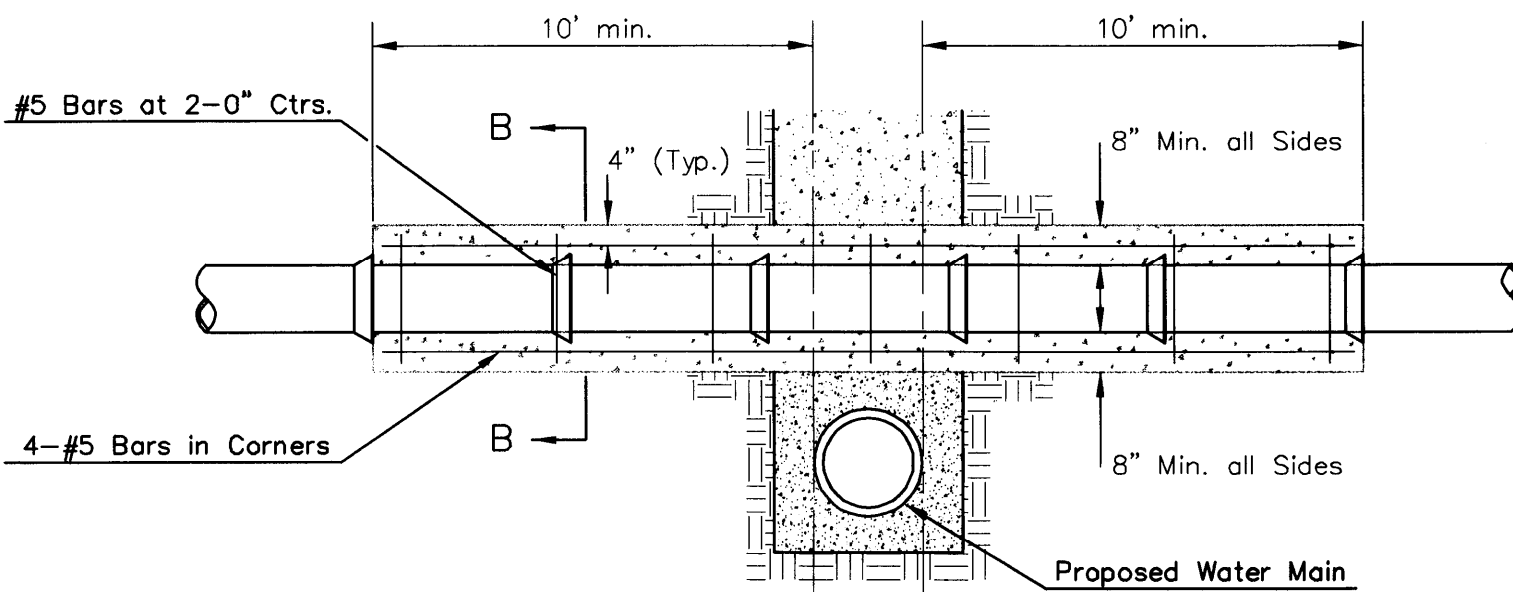
**Baughman** GREAT PLAINS BUSINESS PARK 4TH ADD.  
**LINES 1 & 2**  
 SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 2136 PPS (607861)  
 DESIGNER: TJW  
 DRAWN: TMS  
 APPROVED: [Signature]  
 DATE: 09/12

SCALE: Noted  
 SHEET: 2 OF 9

12-06-E777

**BENCHMARK:**  
 CROSS CUT TOP OF CATCH BASIN WEST SIDE  
 OF RIDGEWOOD 14± NORTH OF THE SE COR.  
 OF LOT 3, BLOCK 2, GREAT PLAINS BUSINESS  
 PARK ADDITION.  
 ELEV.=1368.03 (NAVD88)



Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.

SECTION B-B  
 REINFORCED CONCRETE ENCASUREMENT  
 OF SANITARY SEWER

\*Contractor has the option to install  
 Casing (20" ID min.), Steel or HDPE with  
 water tight ends.

All trench and manhole excavation areas from  
 Sta. 0+00 to Sta 4+74.4, Line 3 shall be  
 backfilled with sand. The sand backfill shall  
 be within two feet of existing grade and shall  
 be water-jetted and vibrated during  
 backfilling. All costs shall be paid for as L.F.  
 "Fill, Sand (Flushed & Vibrated)".

Sta 0+00 to Sta 0+44.0  
 Sta 0+59.0 to Sta 4+74.4  
 Install 459.4 L.F. Fill, Sand  
 (Flushed & Vibrated).

Sta 0+00, Begin Line 3  
 Construct MH, Type P,  
 Standard (4') over  
 existing 8" sewer line.  
 Rim Elev. = 1367.85

Sta 1+51.1, Line 3  
 Construct MH, Type P,  
 Shallow (4').  
 Rim Elev. = 1368.40  
 35.3 L.F. 8" PVC Pipe

1 - Riser Assembly 8",  
 Cleanout  
 Rim Elev. = 1368.30

Proposed  
 15" SWS  
 & 18" SWS  
 Crossing

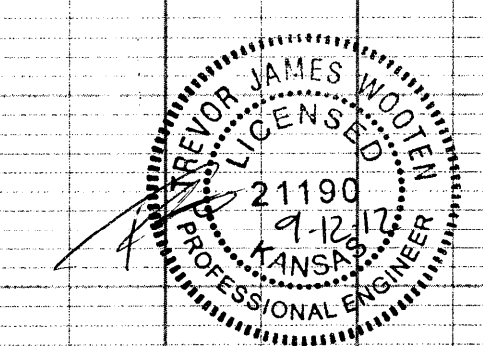
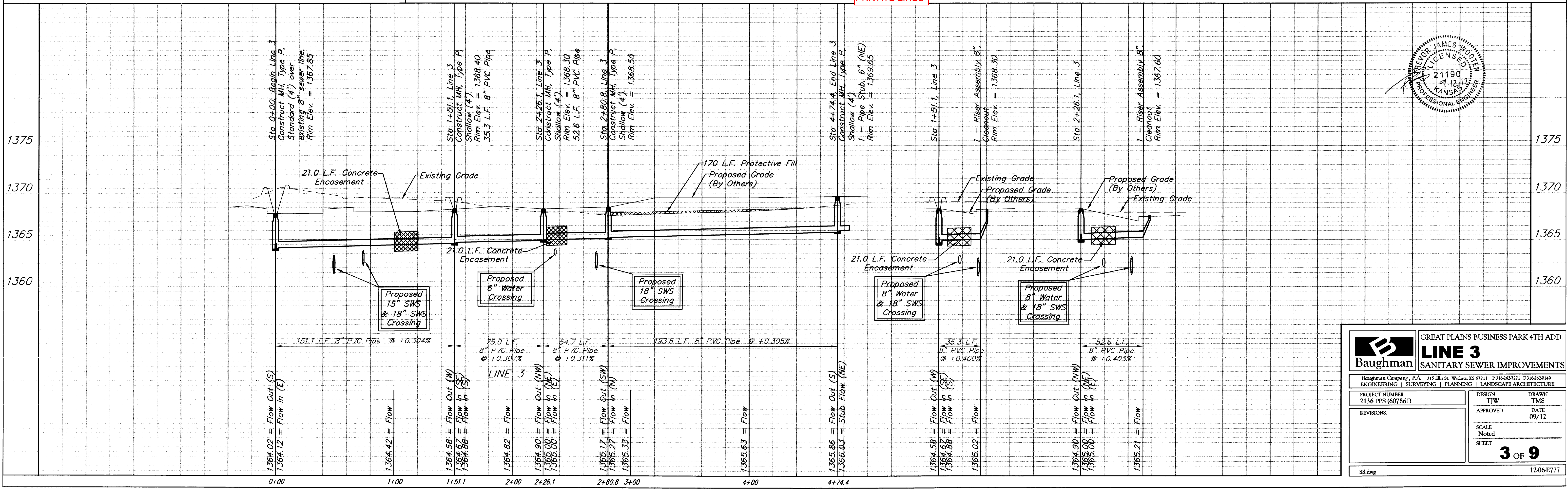
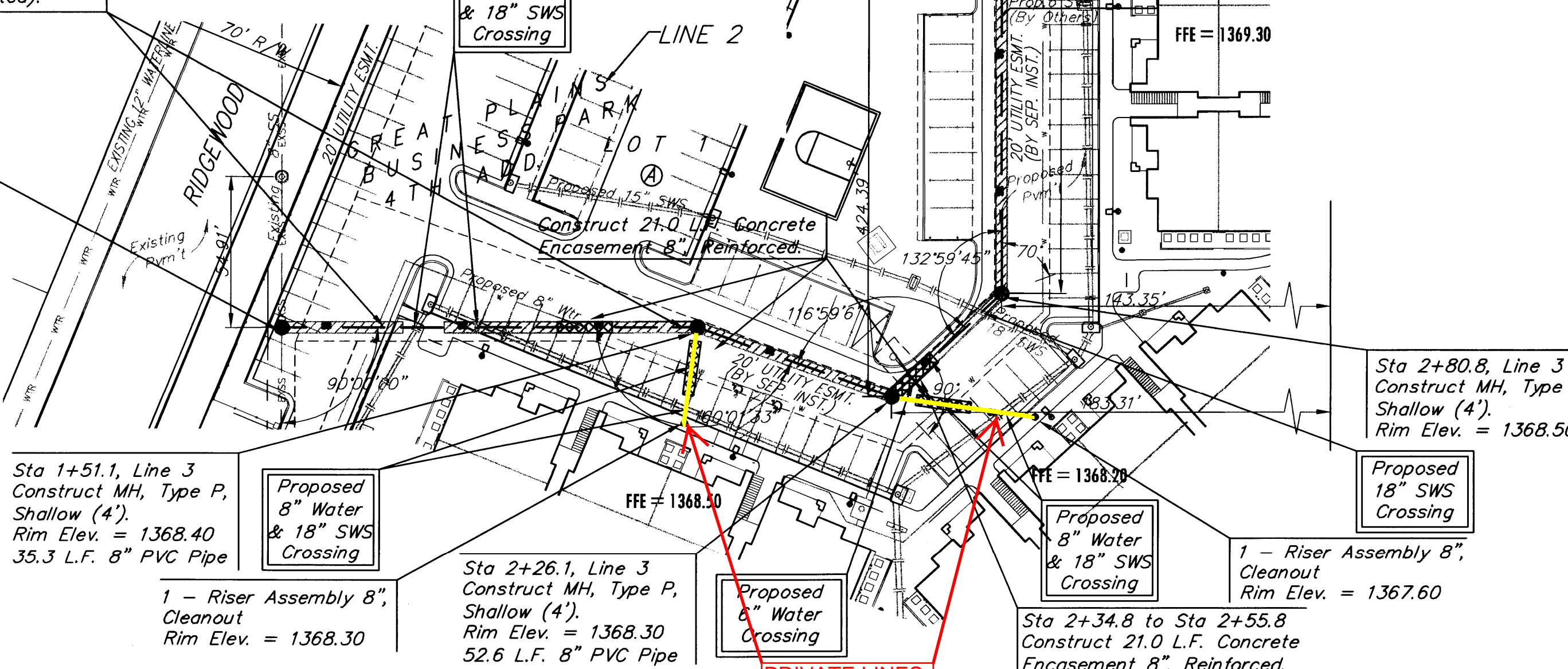
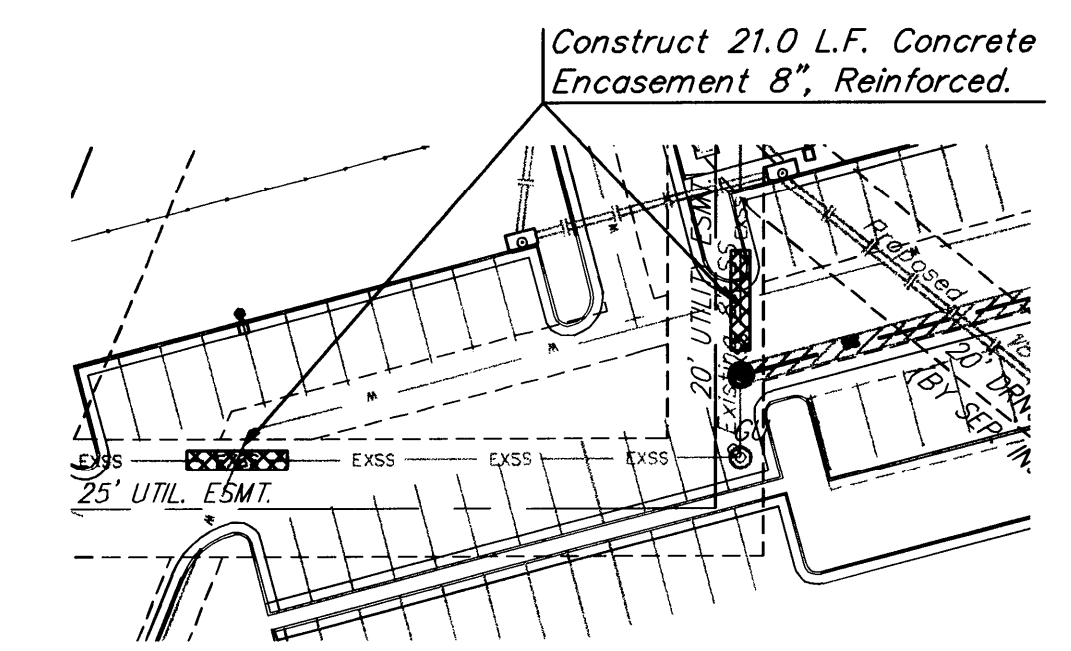
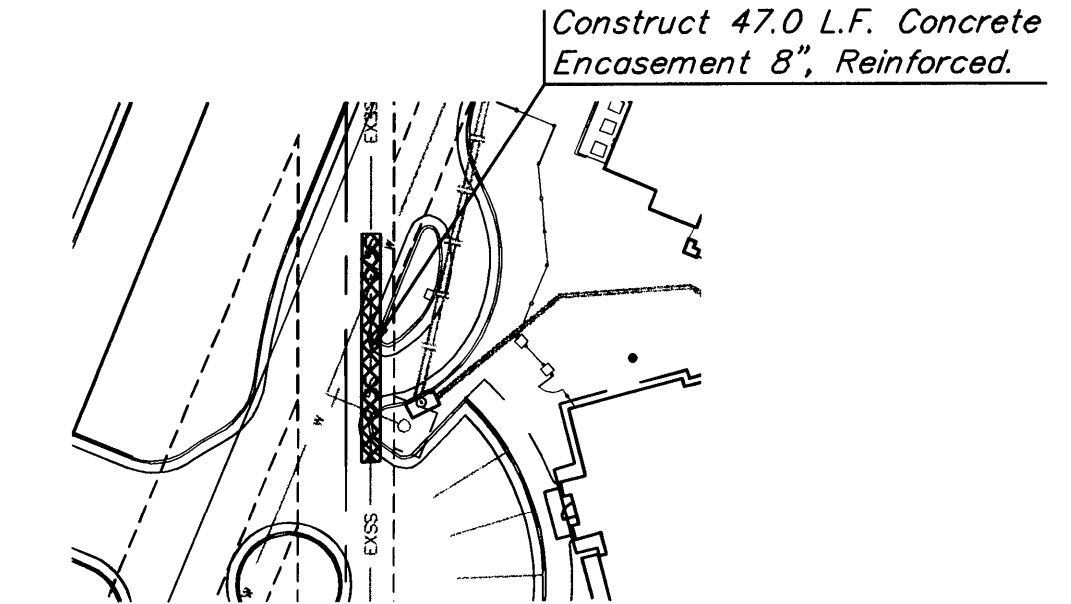
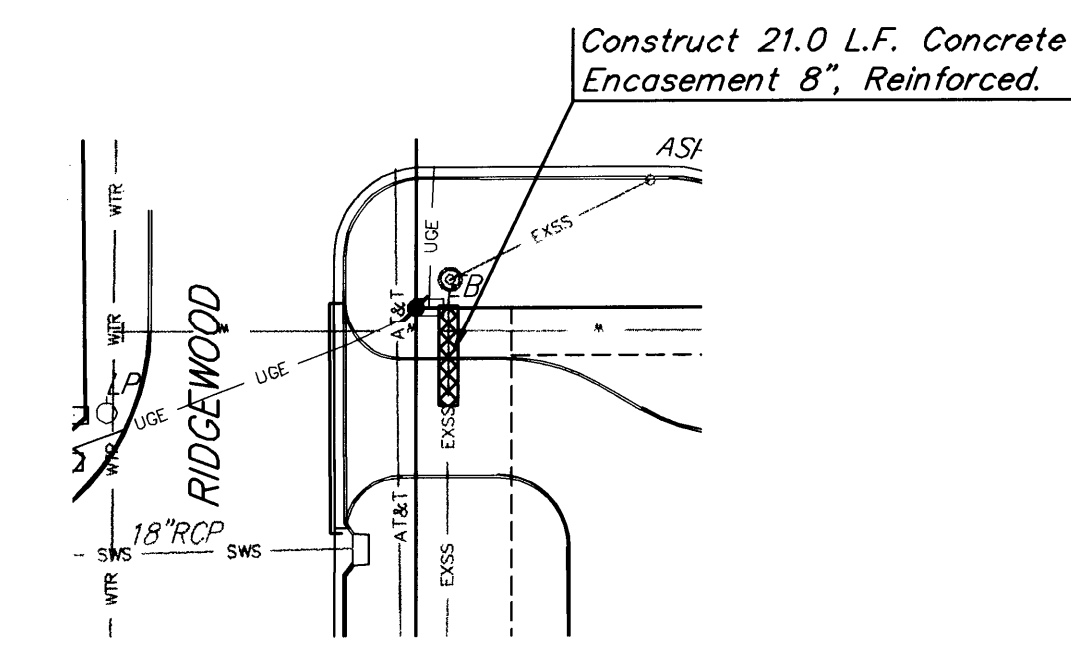
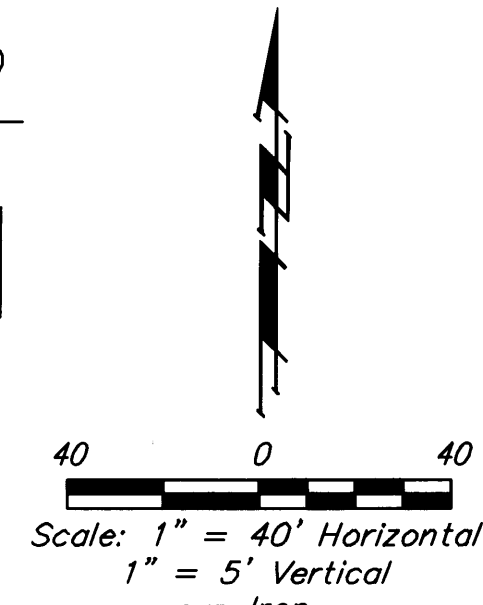
Sta 2+26.1, Line 3  
 Construct MH, Type P,  
 Shallow (4').  
 Rim Elev. = 1368.30  
 52.6 L.F. 8" PVC Pipe

Proposed  
 6" Water  
 Crossing

Sta 2+34.8 to Sta 2+55.8  
 Construct 21.0 L.F. Concrete  
 Encasement 8", Reinforced.

1 - Riser Assembly 8",  
 Cleanout  
 Rim Elev. = 1367.60

Sta 4+74.4, End Line 3  
 Construct MH, Type P,  
 Shallow (4').  
 1 - Pipe Stub, 6" (NE)  
 Rim Elev. = 1369.65



**Baughman** GREAT PLAINS BUSINESS PARK 4TH ADD.  
**LINE 3**  
 SANITARY SEWER IMPROVEMENTS

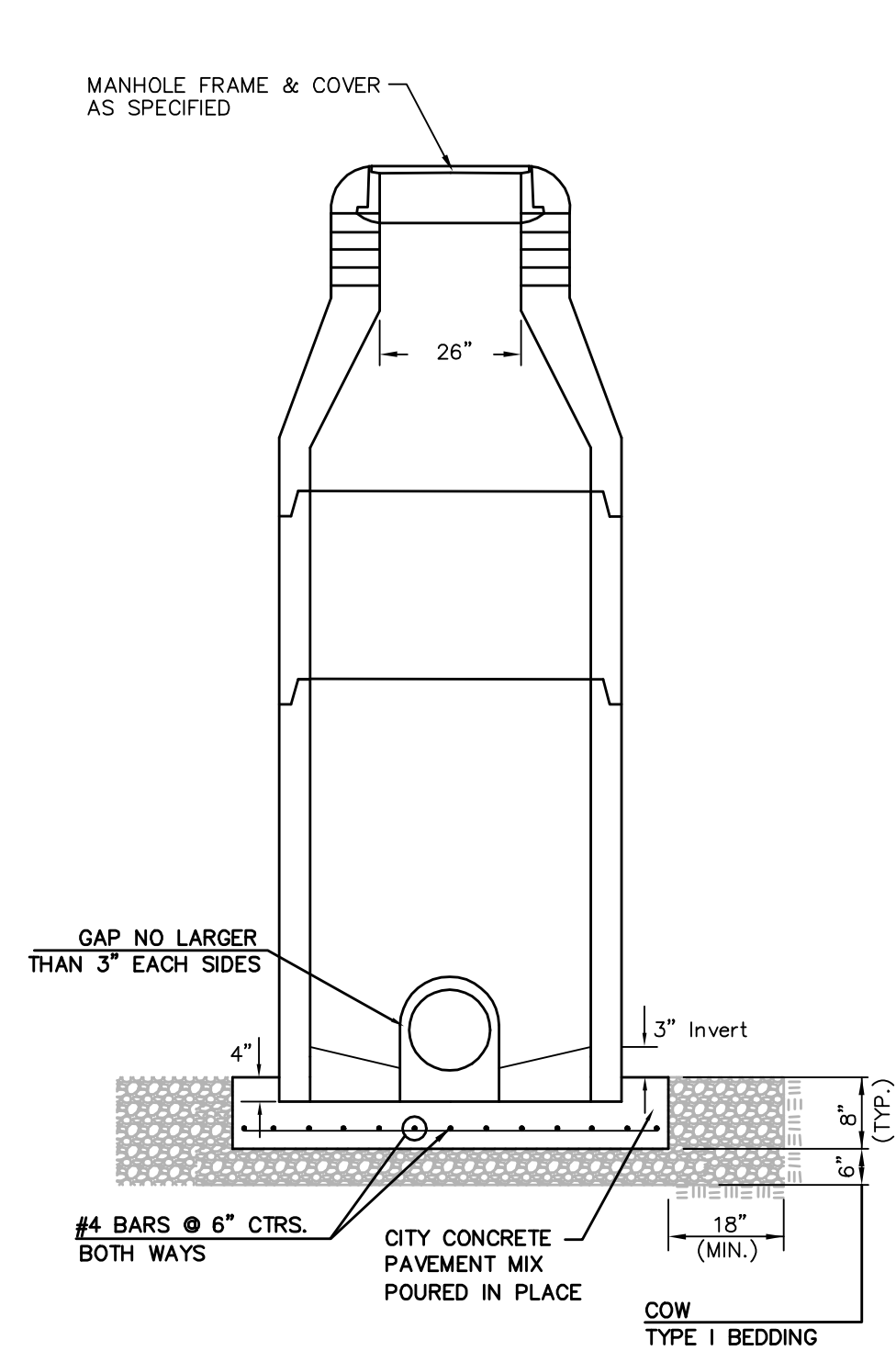
Engineering | Surveying | Planning | Landscape Architecture

PROJECT NUMBER: 2136 PPS (607861) DESIGN: TJW DRAWN: TMS  
 APPROVED: DATE: 09/12

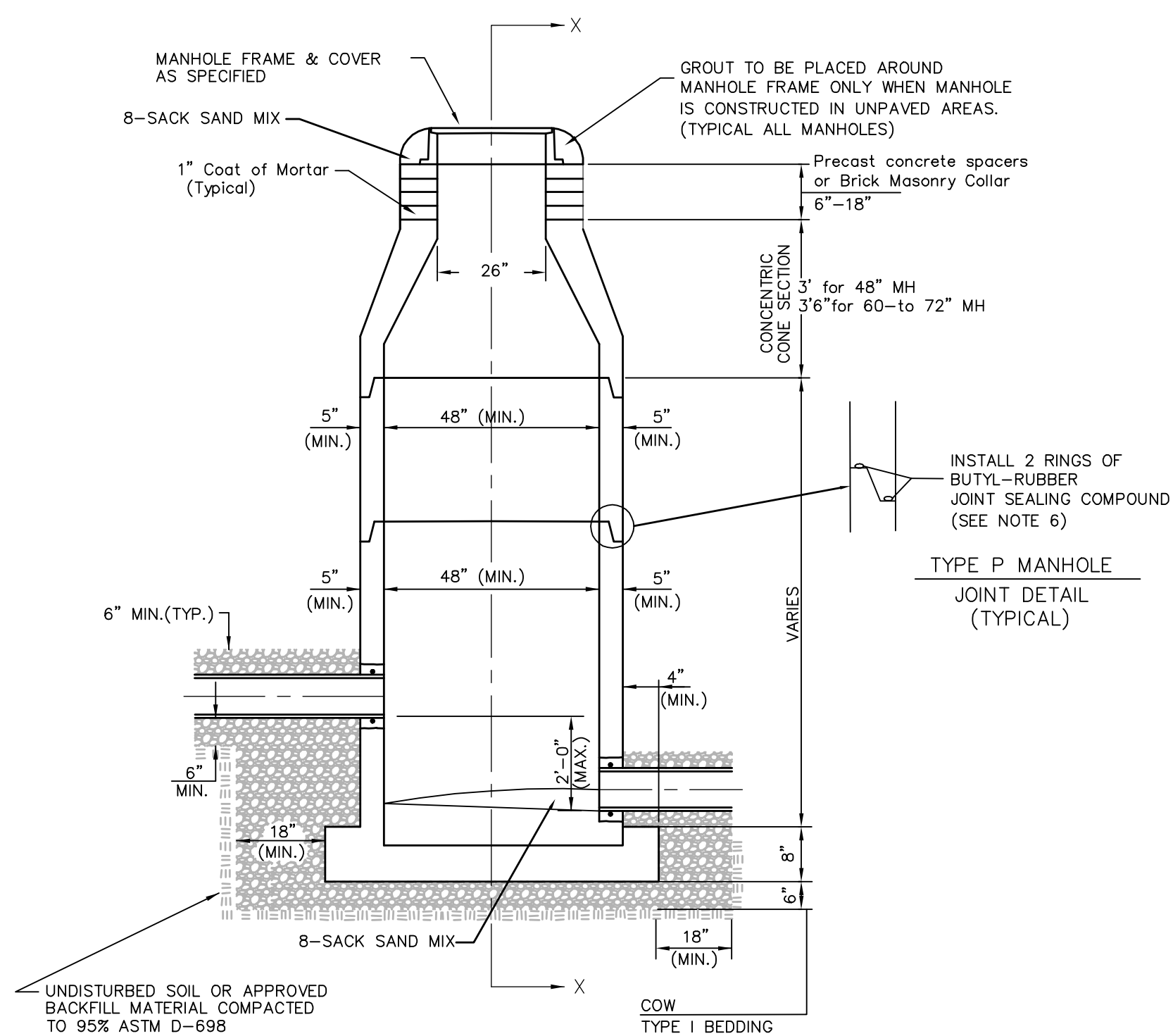
REVISIONS: SCALE: Noted SHEET: **3 OF 9**

SS.dwg 12-06-E777

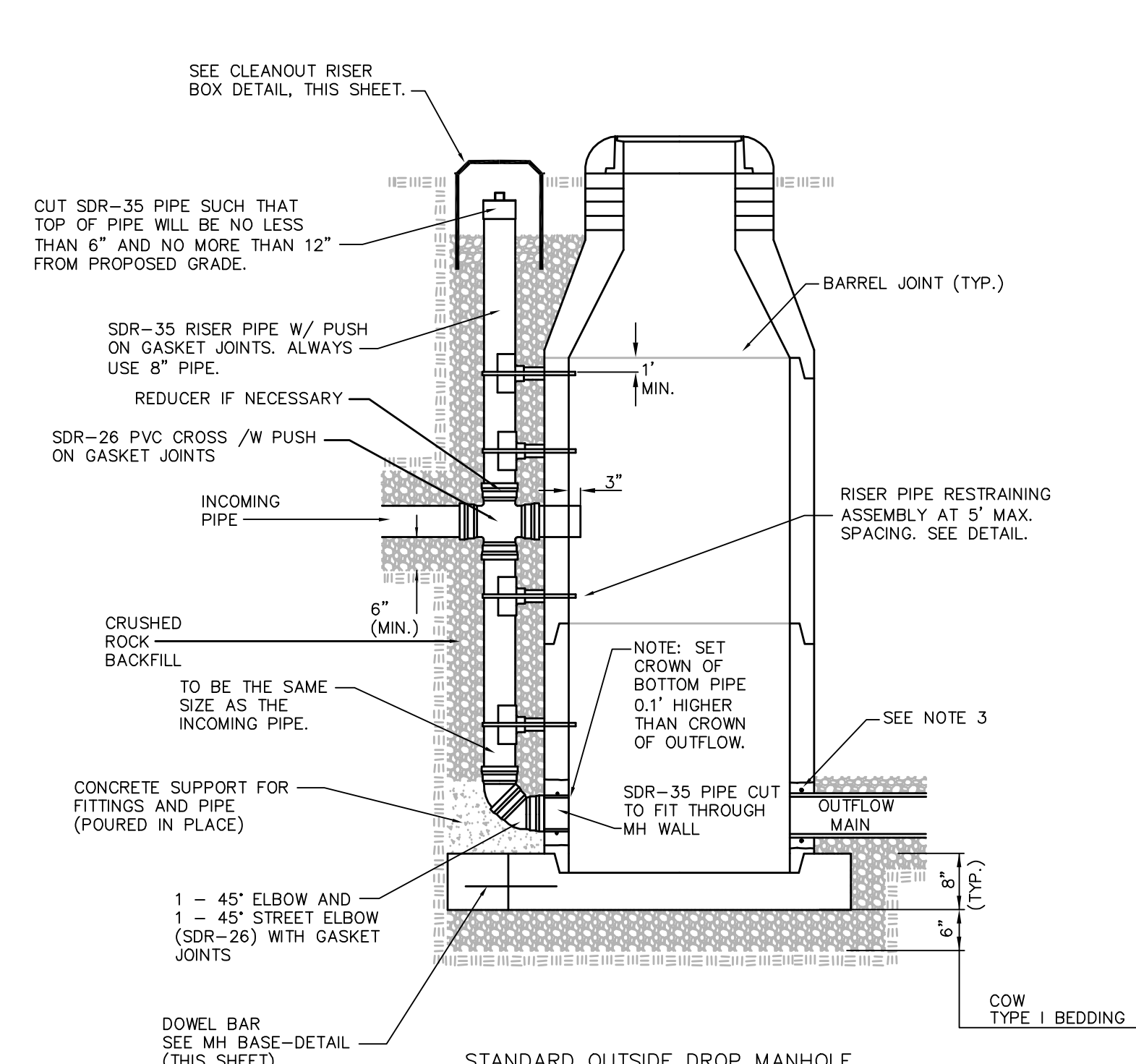




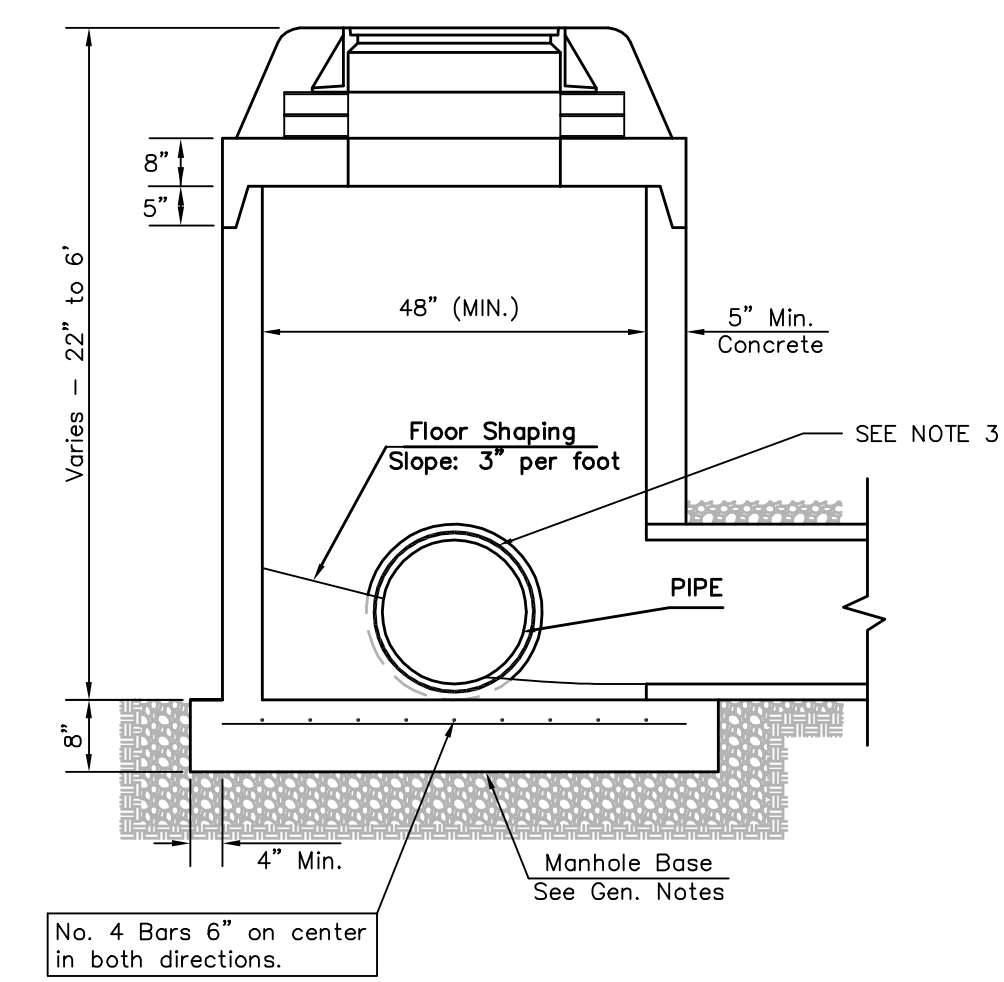
**DOG HOUSE MANHOLE**  
(OVER EXISTING PIPE)  
Not to Scale



**STANDARD MANHOLE**  
Not to Scale



**STANDARD OUTSIDE DROP MANHOLE**  
Not to Scale

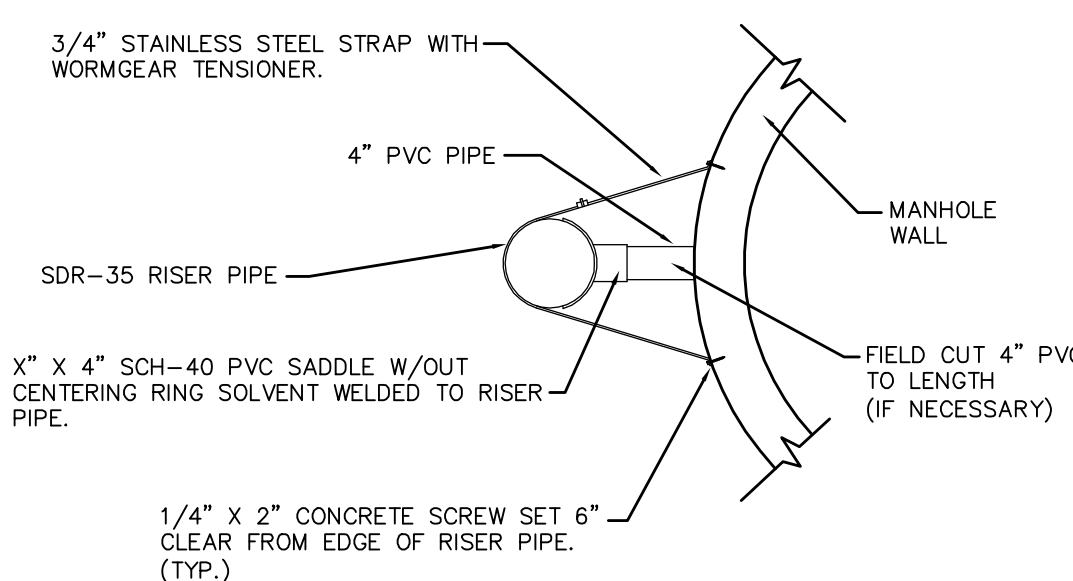


**SHALLOW MANHOLE**  
Not to Scale

= COW TYPE I BEDDING  
 = UNDISTURBED SOIL

## PRECAST MANHOLE GENERAL NOTES

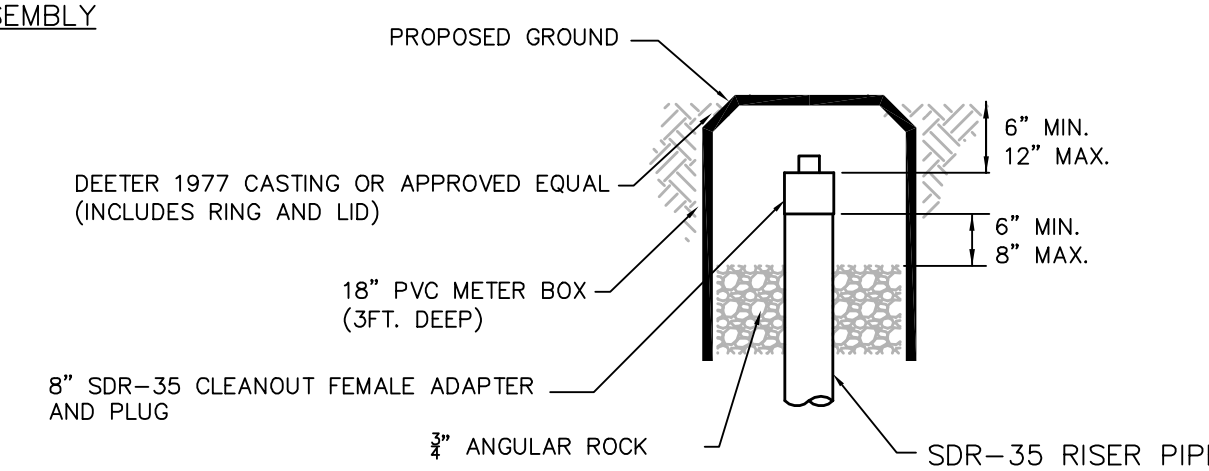
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISIONS OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
- NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
- APPROVED FLEXIBLE WATERSTOP SHALL BE INSTALLED TO JOIN THE SEWER PIPE TO THE MANHOLE WALL. THE SEWER PIPE SHALL BE SUPPORTED WITH CRUSHED ROCK A MINIMUM OF 3 FEET FROM THE FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
- ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED PER SECTION 804.4 OF STANDARD SPECIFICATIONS.
- EXTERIOR MANHOLE WALLS SHALL BE COATED PER SECTION 804.4 OF STANDARD SPECIFICATIONS.
- JOINT SEALING COMPOUND SHALL BE PER 804.4 OF STANDARD SPECIFICATIONS.
- ALL MANHOLE SECTION JOINTS THAT WILL BE IN GROUNDWATER OR GREATER THAN 12' DEEP SHALL BE WRAPPED WITH AN EXTERNAL JOINT SEAL PER SECTION 804.4 OF STANDARD SPECIFICATIONS, AS INDICATED BY THE PLANS.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE FOR DOG HOUSE MANHOLES.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO.4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- WALL THICKNESS SHALL BE 1" GREATER THAN MANHOLE DIAMETER IN FEET.
- OPENINGS SHALL BE CORE DRILLED INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS DRILLED INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
- THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO NEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
- MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
- THE VERTICAL DROP IN STANDARD MANHOLES SHALL NOT EXCEED 2' REGARDLESS OF PIPE SIZE. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
- PRECAST CONCRETE SPACERS OR BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR. THE USE OF PRE-CAST CONCRETE SPACERS FOR MANHOLE TOP ADJUSTMENT IS ALSO ALLOWED.
- THE FULL DIAMETER OF THE MANHOLE SHALL EXTEND THE ENTIRE DEPTH OF THE MANHOLE TO THE CONE SECTION. NO REDUCTION IN MANHOLE DIAMETER WILL BE ALLOWED.
- REFER TO PLANS FOR SIZE OF OUTSIDE DROP RISER, SADDLES AND CROSS.



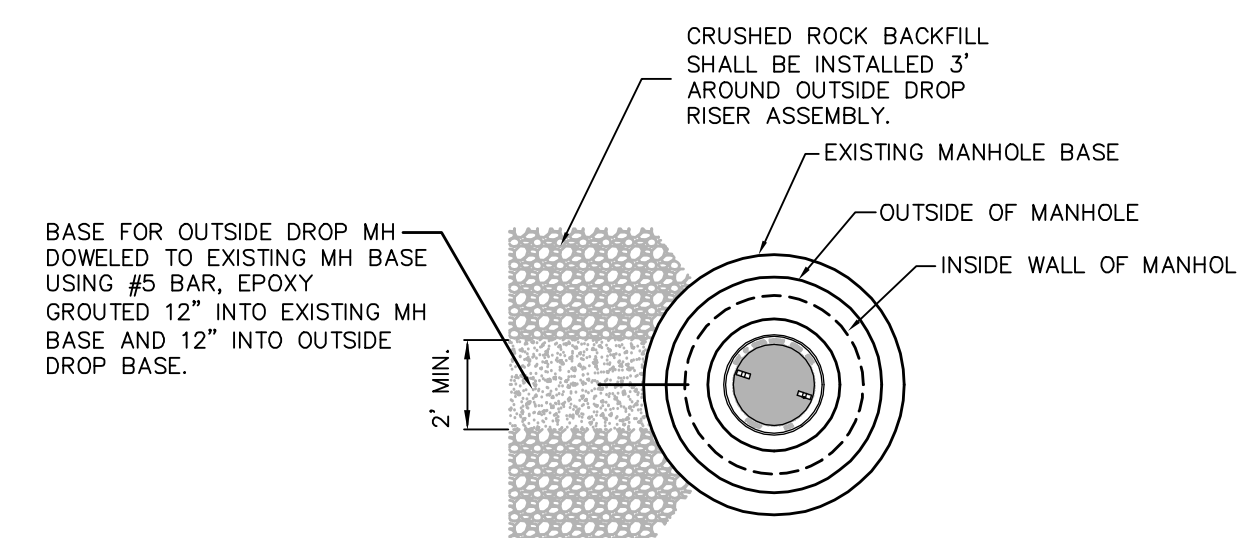
**RISER PIPE RESTRAINING ASSEMBLY**  
Not to Scale

SANITARY SEWER MANHOLE DIAMETERS

DIAMETER	DEPTH	PIPE SIZE
4'	0'-15'	8"-18"
5'	15'-30'	21"-30"
6'	>30'	36"-60"



**CLEANOUT RISER BOX DETAIL**  
Not to Scale



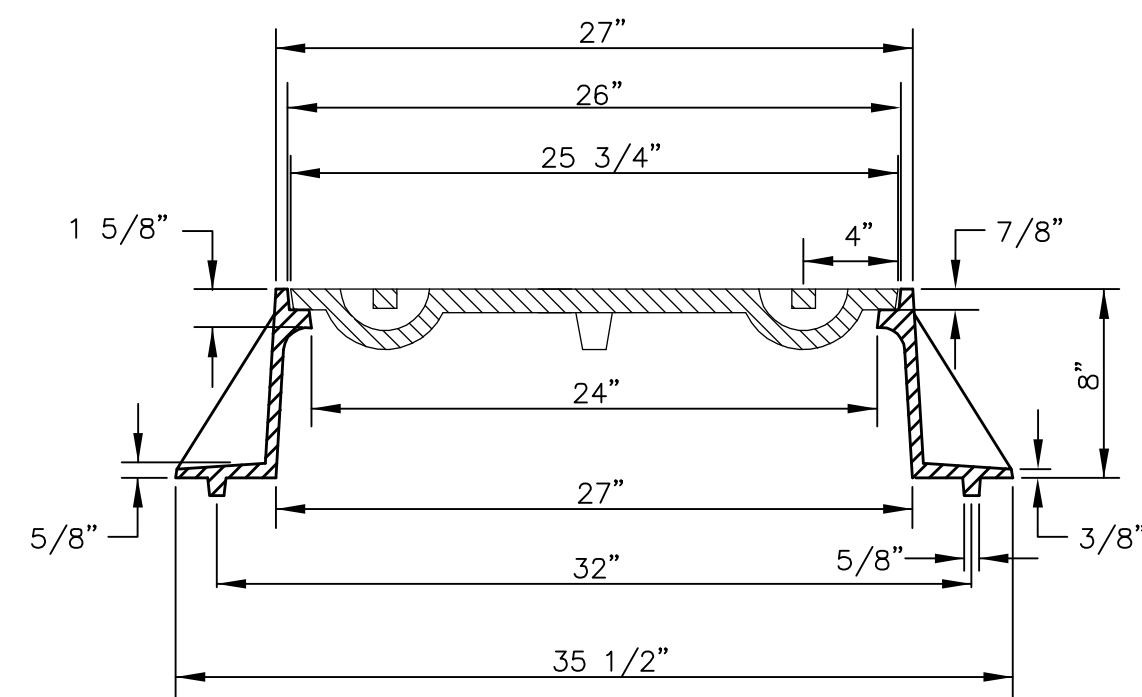
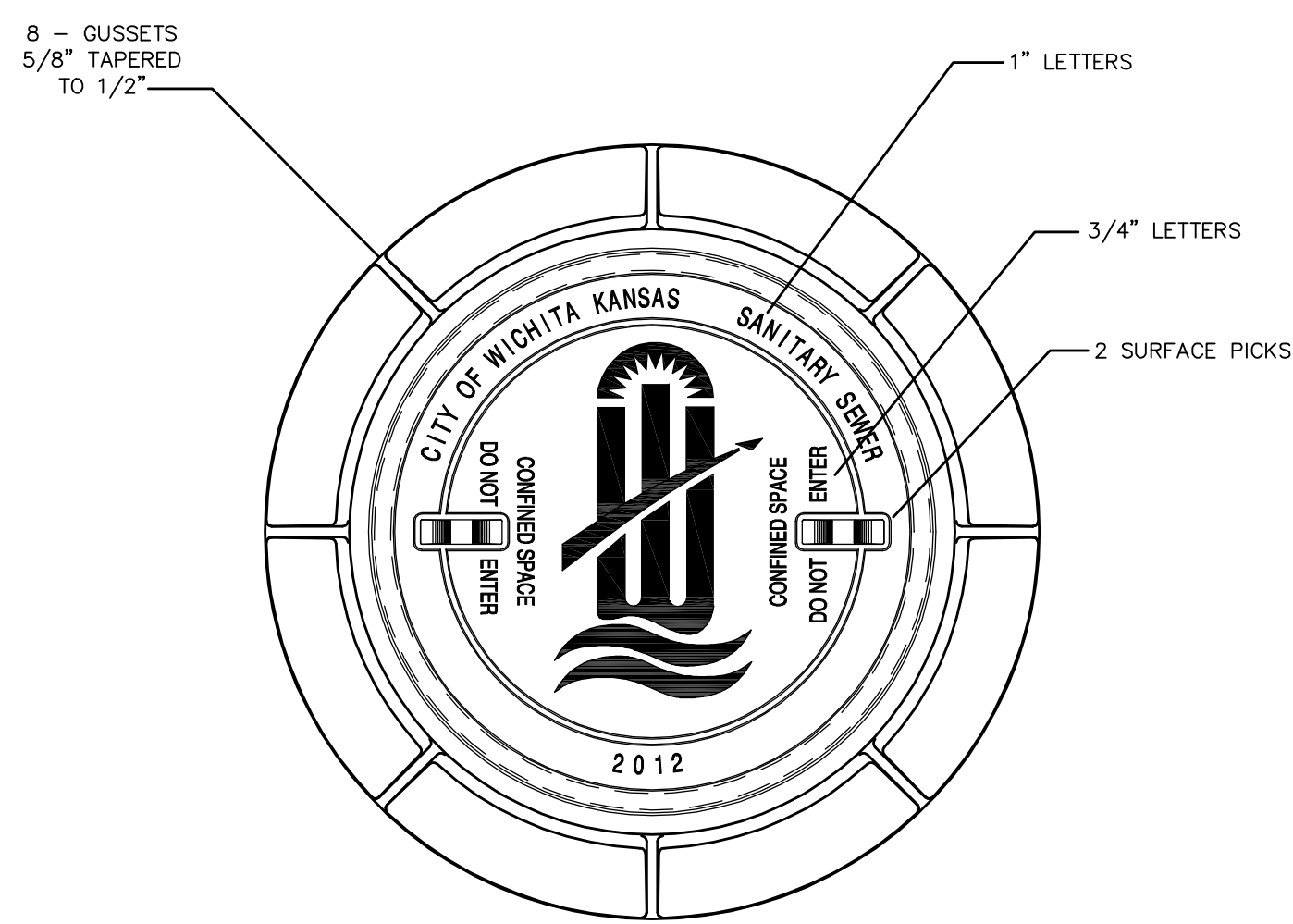
**MH BASE DETAIL**  
Not to Scale



**PRECAST SANITARY SEWER MANHOLE**

CITY ENGINEER  
**Gary Janzen, P.E. Interim City Engineer**

PROJECT NUMBER <b>2136 PPS (607861)</b>	OCA NUMBER	DATE <b>09/2012</b>
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN <b>Staff</b>
DRAWN <b>Staff</b>		SHEET <b>4 of 9</b>

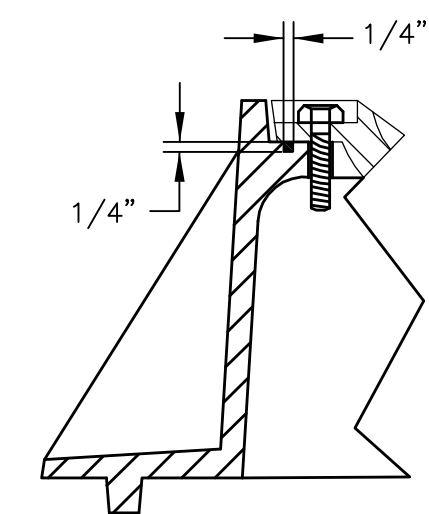
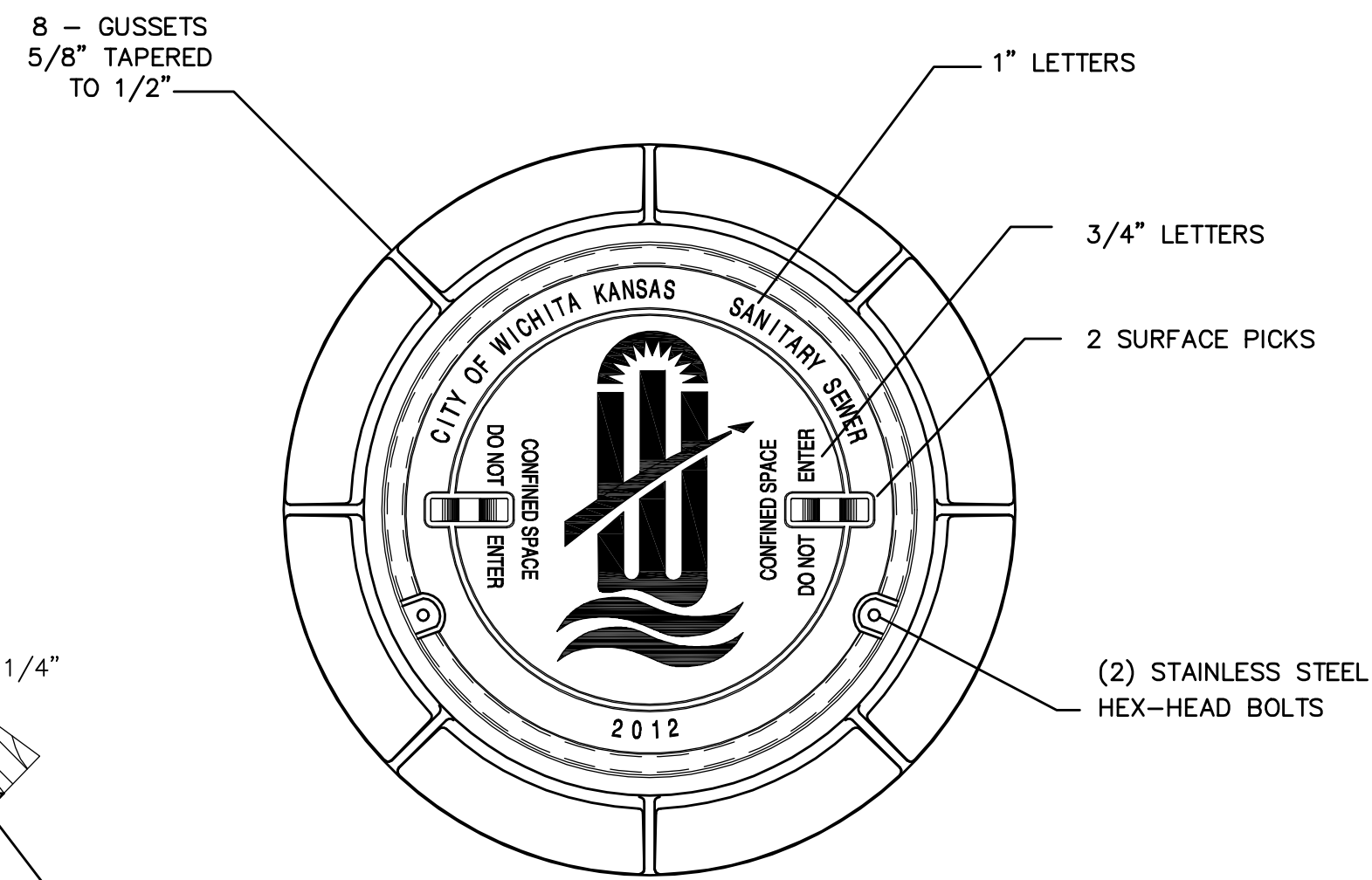


STANDARD MANHOLE FRAME & COVER

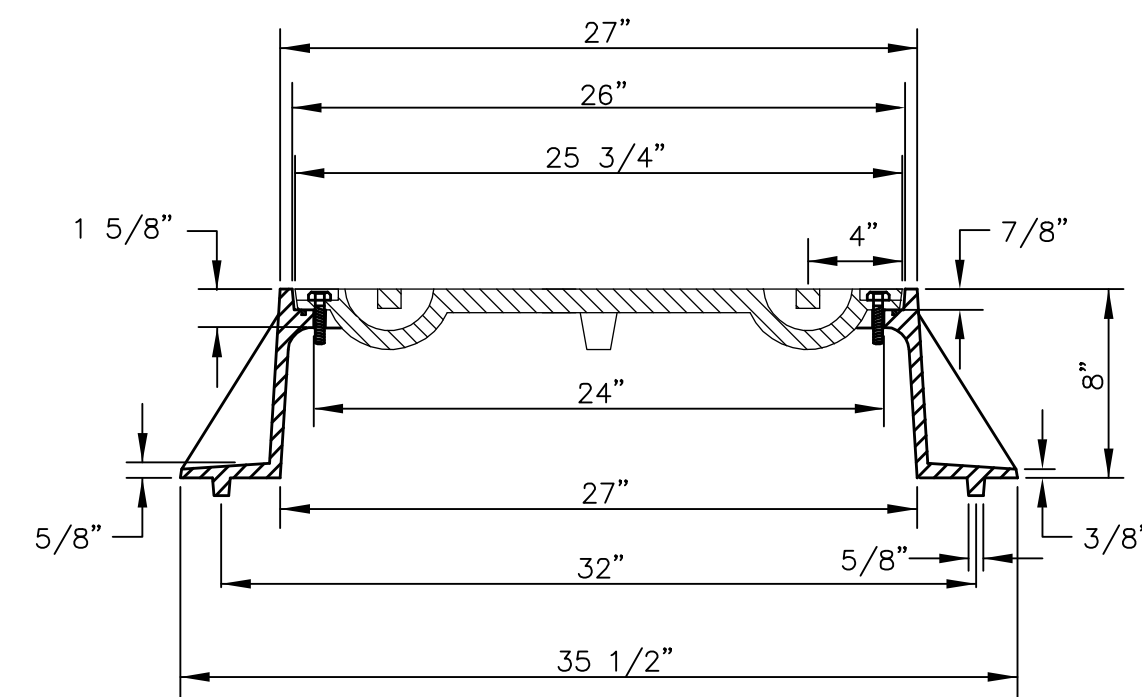
DEETER #1261 OR EJIW #1936-Z1

NOTE:

1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.



DETAIL OF T-GASKET

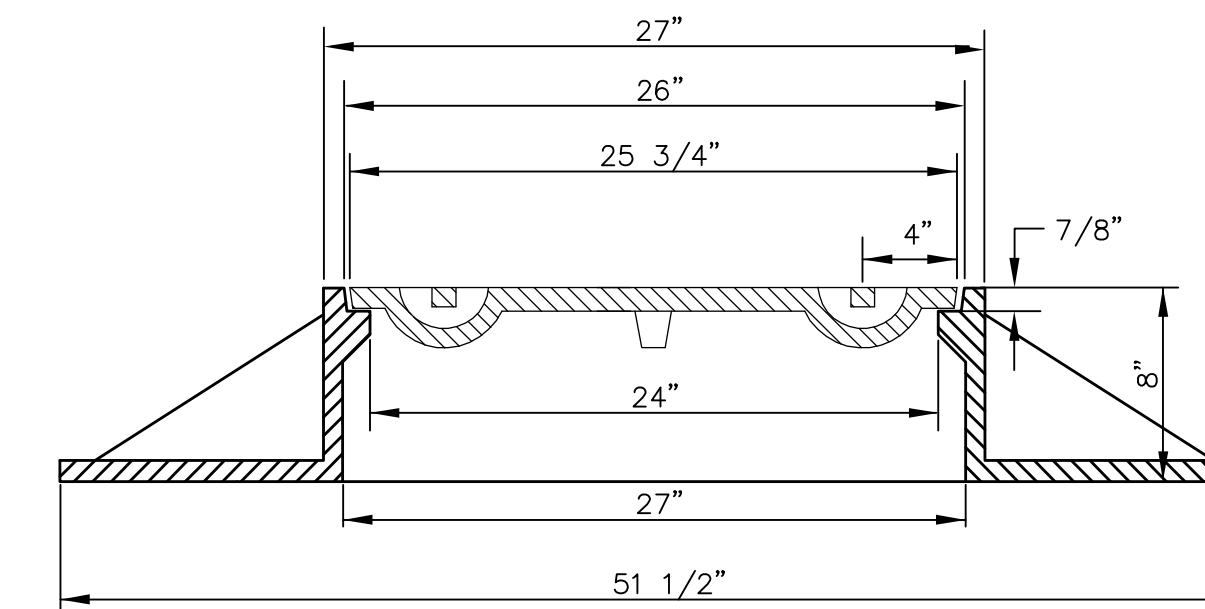
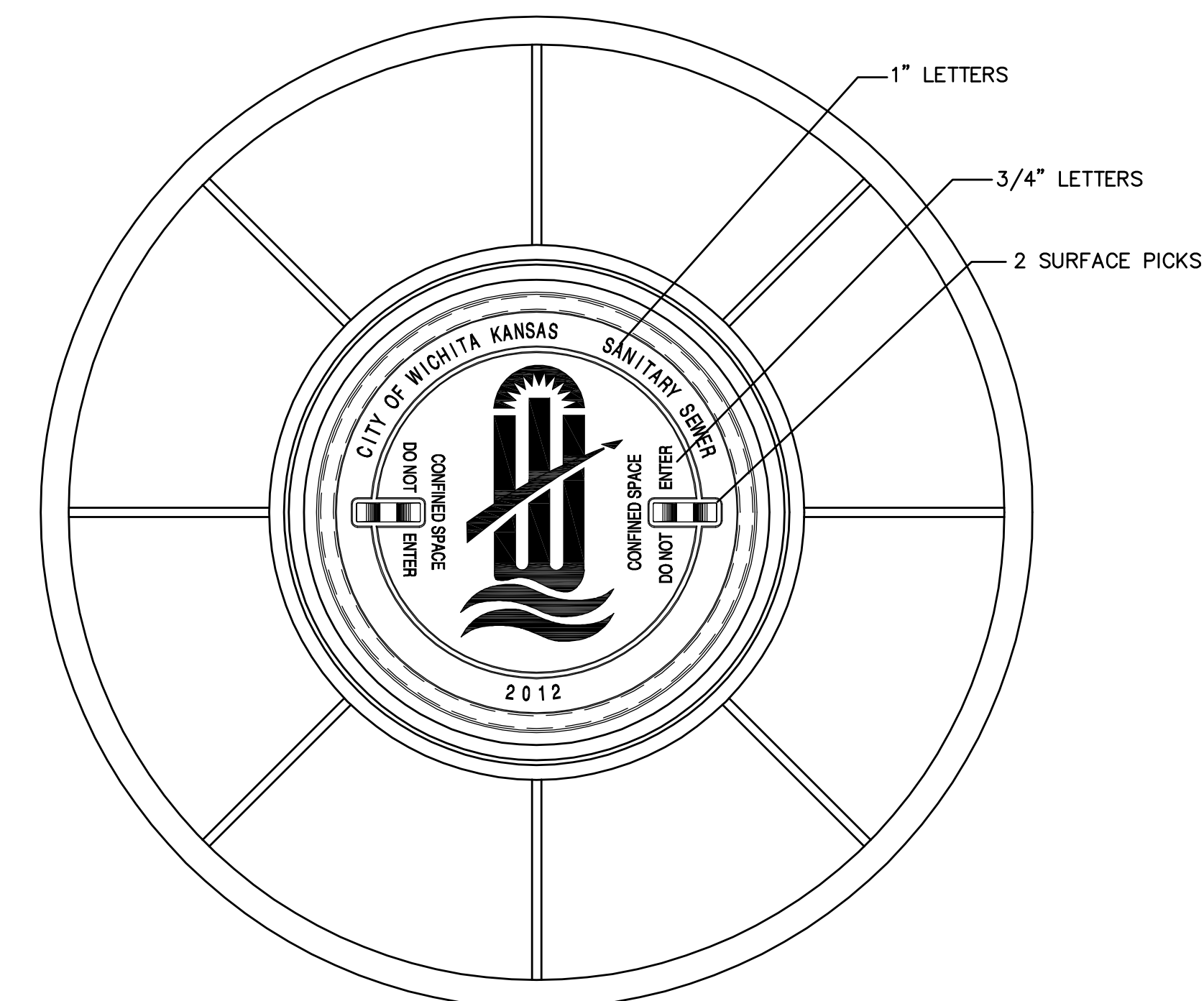


BOLT DOWN MANHOLE FRAME & COVER

DEETER #1261 OR EJIW #1936-Z1

NOTE:

1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.
2. FURNISHED WITH A T-GASKET IN THE FRAME.



WIDE FLANGED FRAME & COVER

DEETER #1261A

NOTE:

1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACE.

GENERAL NOTES

1. MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
2. MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
3. THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SEATING SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
4. THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SANITARY SEWER". THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN WITH CITY OF WICHITA DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.



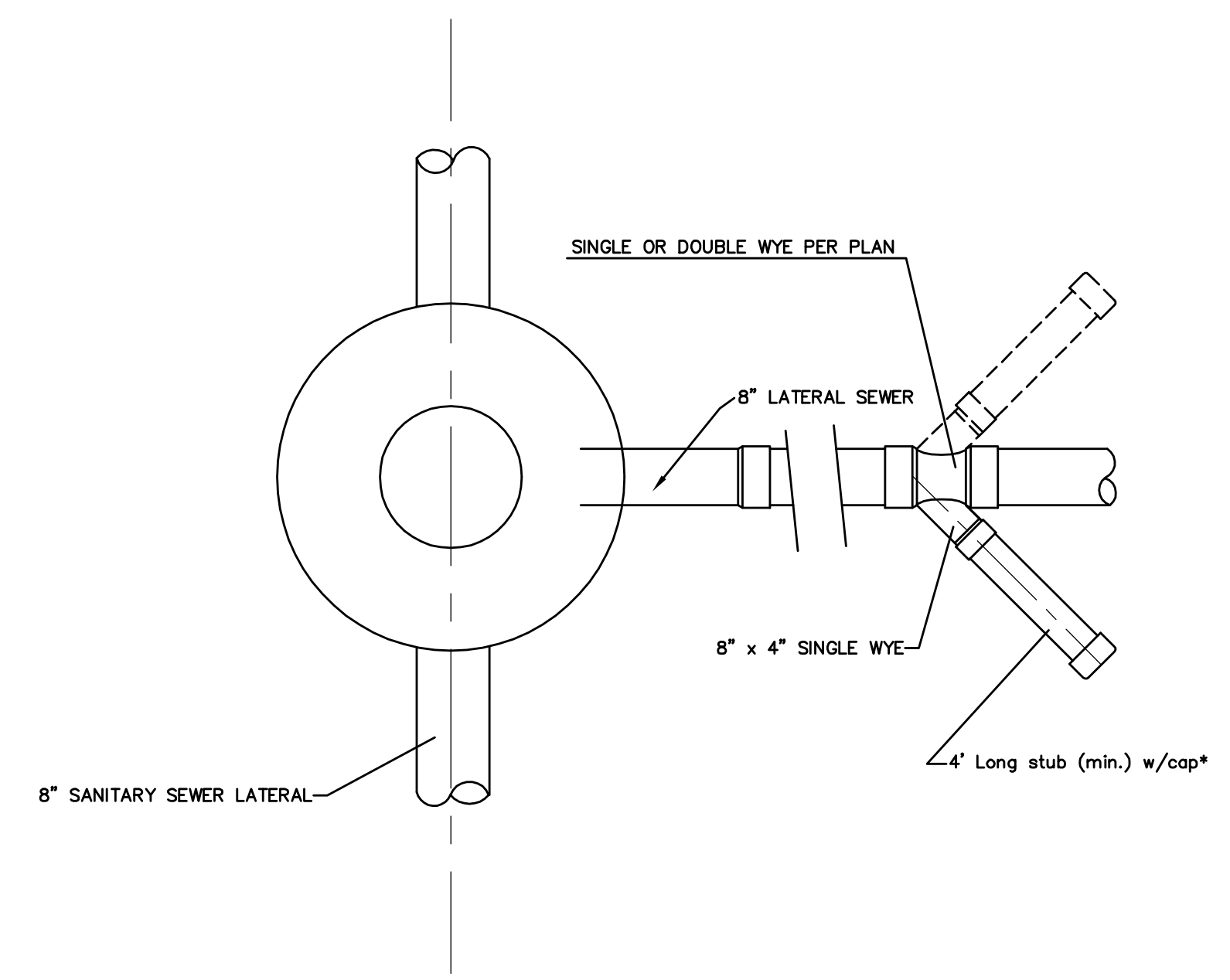
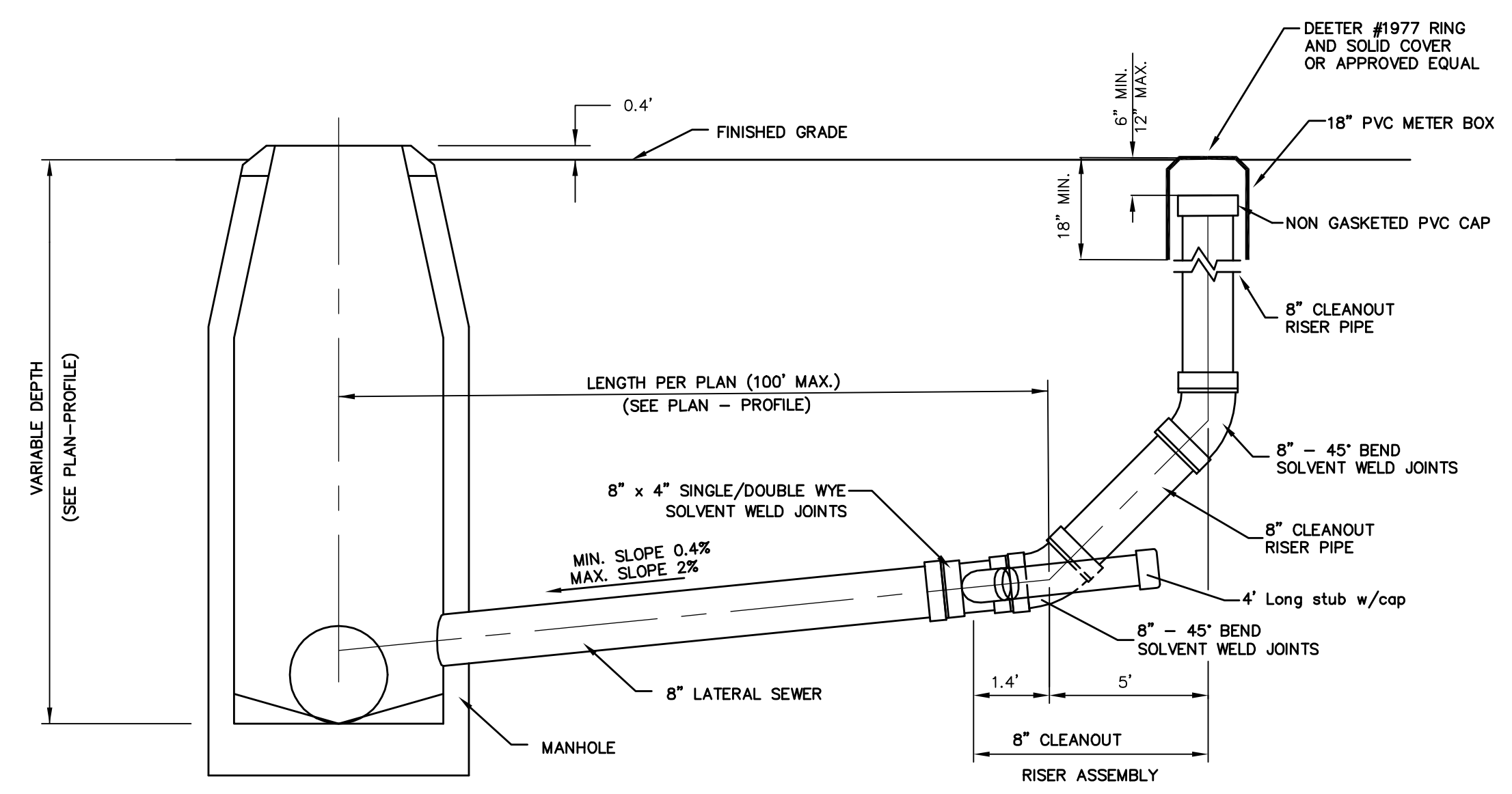
MANHOLE  
FRAME AND COVER  
(SANITARY SEWER)

CITY ENGINEER

Gary Janzen, P.E. Interim City Engineer

PROJECT NUMBER	OCA NUMBER	DATE
2136 PPS (607861)		09/2012

CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501	DESIGN	DRAWN
	Staff	Staff
SHEET		5 of 9




\* 4" BRANCH (EACH SIDE) TO SERVE AS 4" STUB TEMPORARY CAP UNTIL SERVICE CONNECTION IS REQUIRED. SINGLE OR DOUBLE WYE TO BE USED WHERE INDICATED ON PLAN. WHEN IN GROUNDWATER 4" STUB NEEDS VERTICAL RISER.





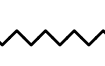



\*\* 8" LATERAL TO BE AIR-TESTED UP TO THE TOP OF PVC PIPE, PER STANDARD SPECIFICATIONS.

CLEANOUT RISER ASSEMBLY DETAIL  
W/ MANHOLE CONNECTION

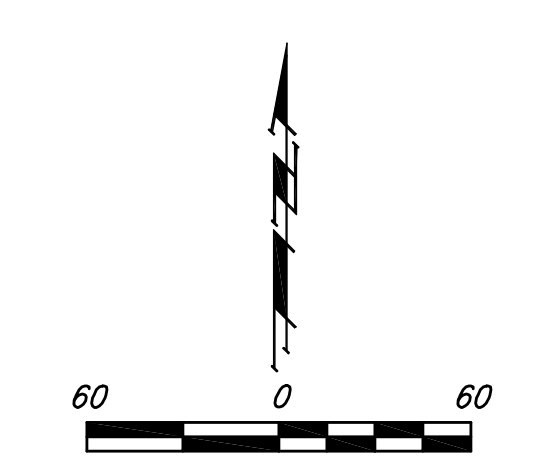
GENERAL NOTES:  
 TAPS: NO TAPS ARE PERMITTED BETWEEN THE MANHOLE/TEE AND THE CLEANOUT RISER.  
 BEDDING: BEDDING AROUND THE SANITARY SEWER RISER SHALL BE COMPACTED PIPE BEDDING TYPE 2. (TYPE 1 IN GROUNDWATER).  
 MATERIAL: RISER AND LATERALS SHALL BE CONSTRUCTED OF SDR-35 PVC PIPE. TEES SHALL BE SDR-26 PIPE, 4" STUBS SHALL BE SCHEDULE 40.  
 CONNECTIONS: ALL SERVICE CONNECTIONS MUST BE MADE TO THE WYE PROVIDED.

 <b>CITY OF WICHITA</b> PUBLIC WORKS & UTILITIES ENGINEERING DIVISION				<b>CLEANOUT RISER ASSEMBLY DETAIL</b>	
				CITY ENGINEER <b>Gary Janzen, P.E. Interim City Engineer</b>	
PROJECT NUMBER	OCA NUMBER	DATE		DESIGN	DRAWN
2136 PPS	(607861)	09/12		Staff	Staff
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501				SHEET <b>6 of 9</b>	

**EROSION CONTROL PLAN LEGEND**  
(Installation Details Found in the SWP2 Plan)

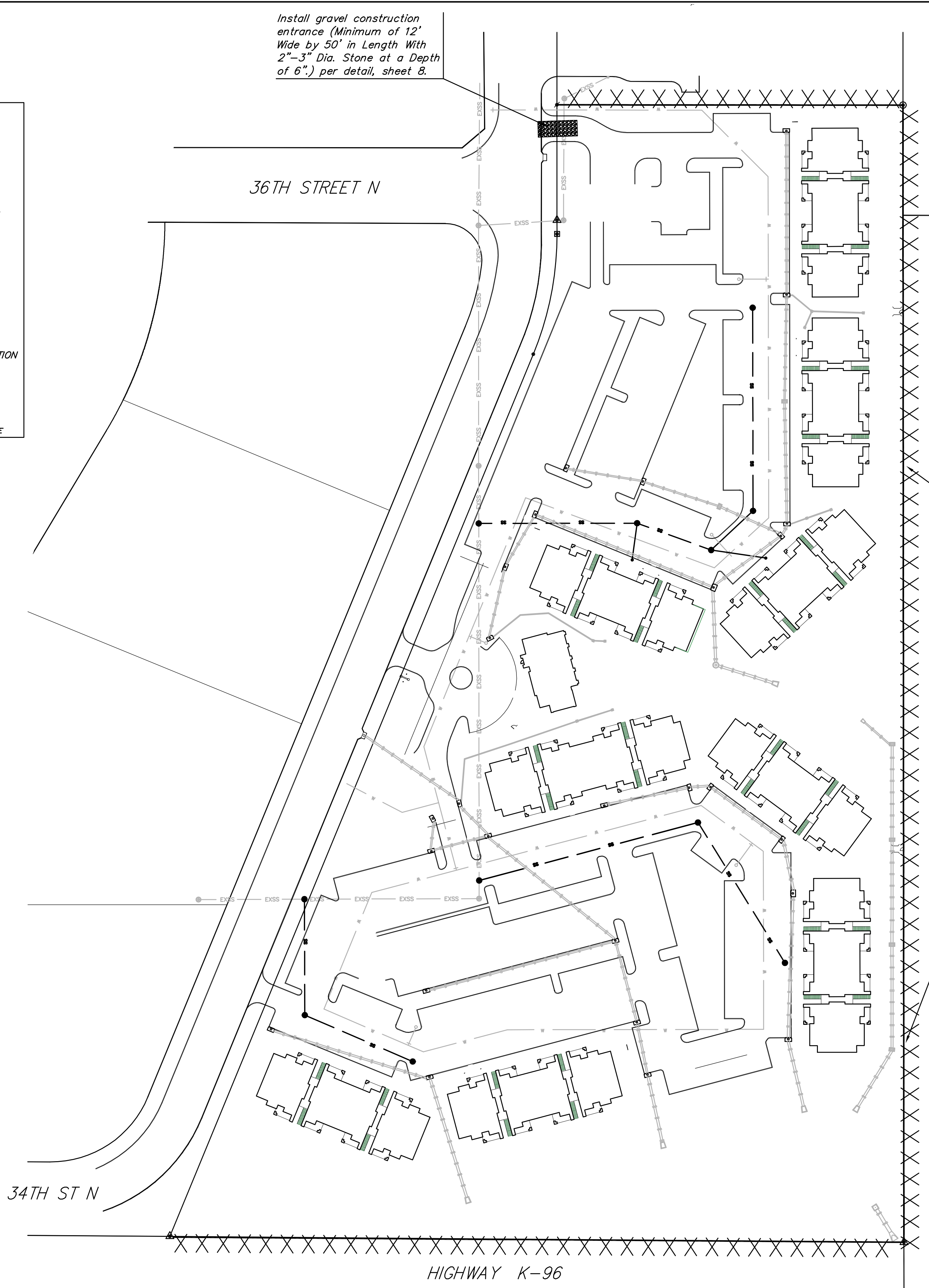
-  - DROP INLET PROTECTION
-  - CURB INLET PROTECTION
-  - DITCH CHECKS
-  - SILT FENCING
-  - CUT-OFF TRENCH
-  - BACK OF CURB PROTECTION
-  - EROSION CONTROL MAT
-  - TEMPORARY DITCH

NO SCALE



Install gravel construction entrance (Minimum of 12' Wide by 50' in Length With 2"-3" Dia. Stone at a Depth of 6".) per detail, sheet 8.

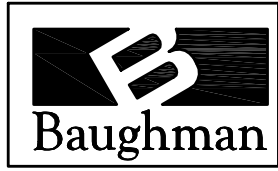
Install 2,113 L.F. of Erosion Control Silt Fence per Detail, sheet 8.

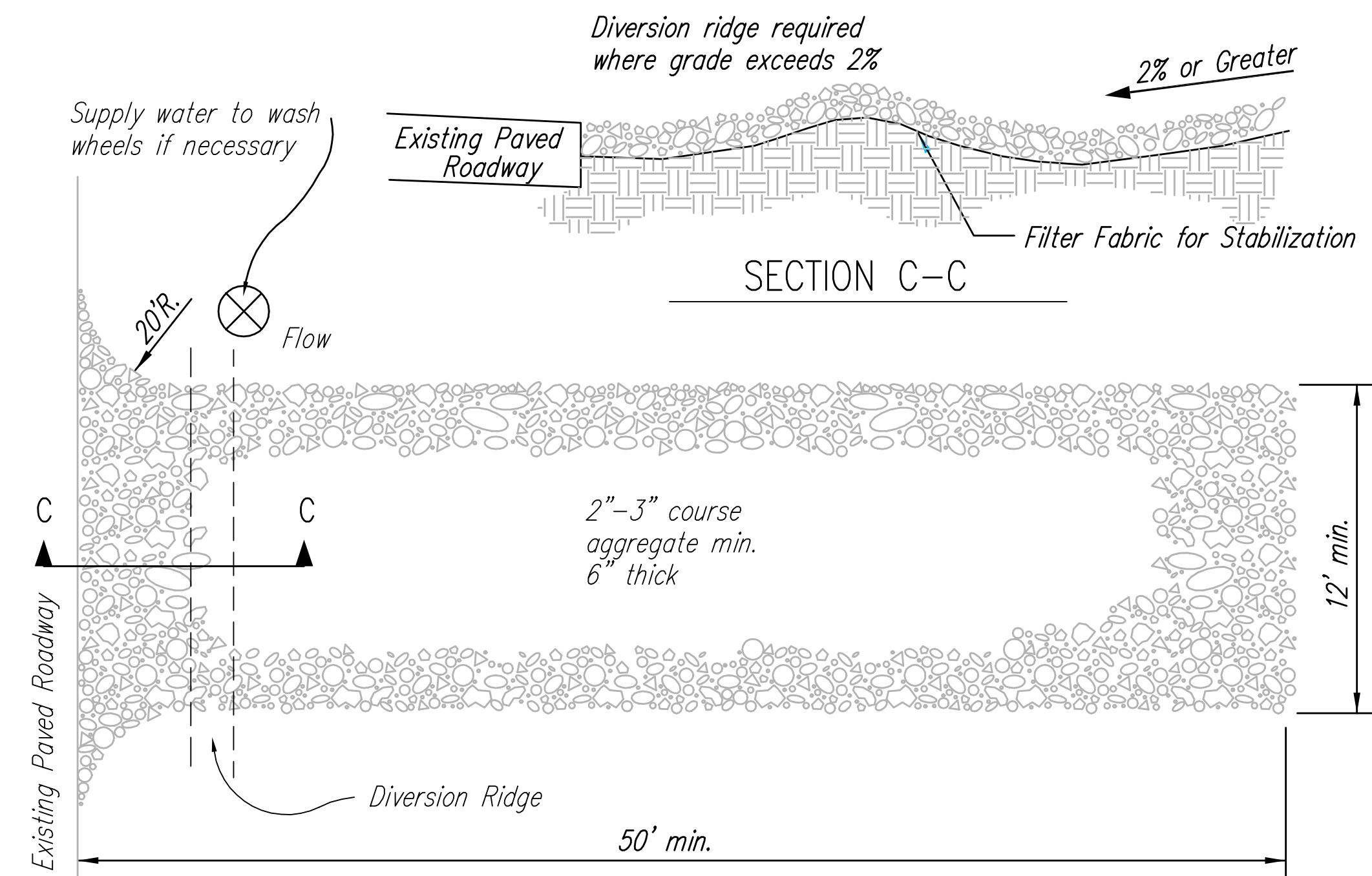


EROSION CONTROL MEASURE	INSTALL	MAINTAIN	REMOVE
BACK OF CURB PROTECTION (LF)	0	0	0
CONSTRUCTION ENTRANCE (EA)	1	0	0
CURB INLET BARRIER (EA)	0	0	0
DITCH CHECK (EA)	0	0	0
DROP INLET PROTECTION (EA)	0	0	0
EROSION CONTROL (LS)	0	0	0
EROSION CONTROL BERM (LF)	0	0	0
SILT FENCE (LF)	2,113	0	0
EROSION CONTROL MAT (SY)	0	0	0

QUANTITIES ARE FOR INFORMATION ONLY! CONTRACTOR SHALL VERIFY QUANTITIES PER FINAL BID QUANTITY SHEET.

\* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, CUT-OFF TRENCH, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY. REPLACEMENT OR REMOVAL OF EROSION CONTROL MEASURES TO BE PAID FOR BY L.S. BID ITEM "MAINTAIN EXISTING EROSION CONTROL BMPs"

 <b>Baughman</b>	GREAT PLAINS BUSINESS PARK 4TH ADD.	
	<b>EROSION CONTROL PLAN</b> SANITARY SEWER CONSTRUCTION	
<small>Baughman Company, P.A. 515 Ellis St. Wichita, KS 67211 P 316-263-7771 F 316-263-0149          ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small>		
PROJECT NUMBER 2136 PPS (607861)	DESIGN TJW	DRAWN TMS
REVISIONS:	APPROVED DATE 09/12	SCALE Noted
		SHEET <b>7 OF 9</b>
SS.dwg		12-06-E777




**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.

**1 STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE

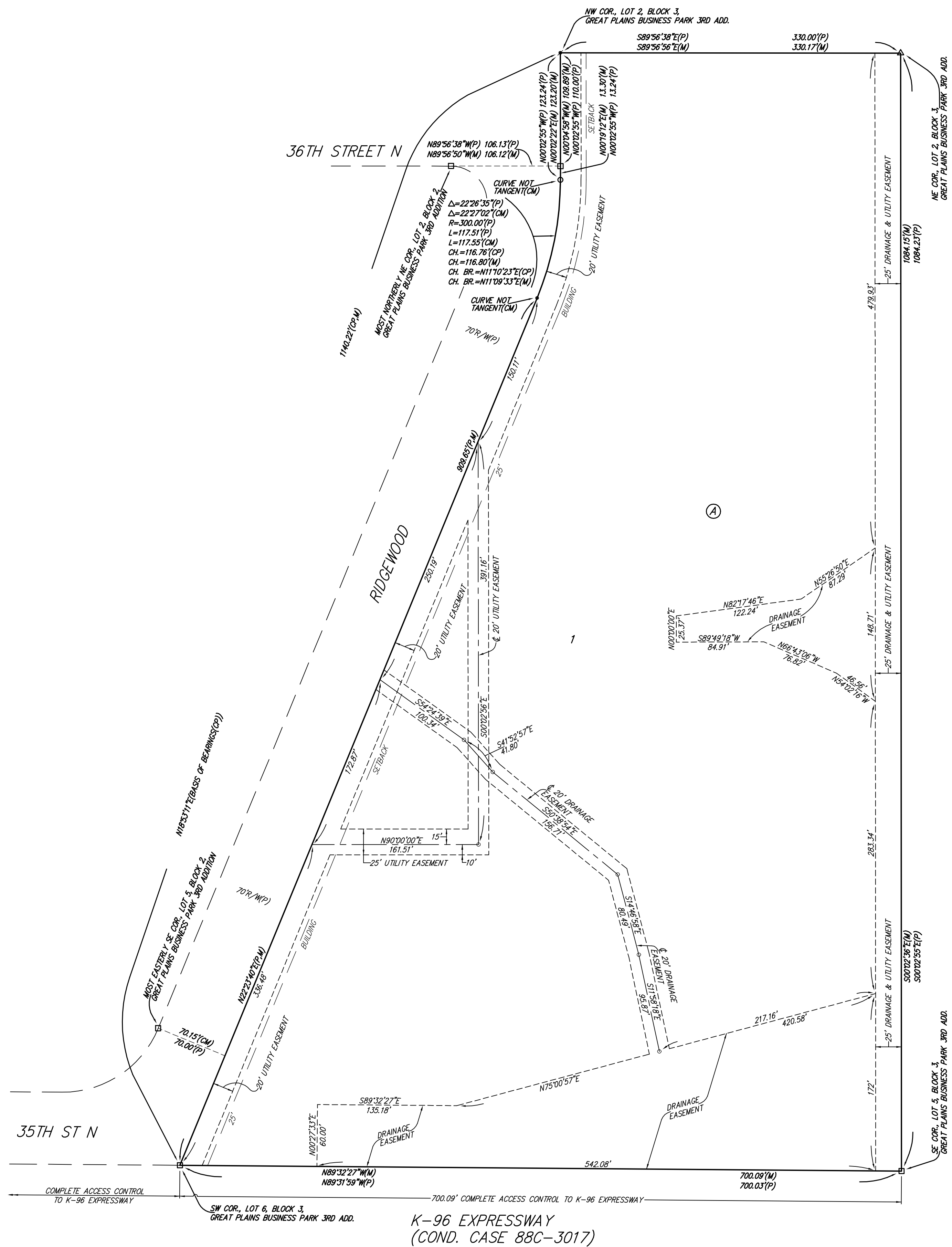


**2 SILT FENCE DETAIL**  
NOT TO SCALE

 <b>CITY OF WICHITA</b> PUBLIC WORKS & UTILITIES ENGINEERING DIVISION		<b>STRAW BALE DITCH CHECK AND BARRIER DETAILS</b>	
		INTERIM CITY ENGINEER <b>GARY JANZEN, P.E.</b>	
PROJECT NUMBER	OCA NUMBER	DATE	
2136 PPS (607861)		08/12	
CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		DESIGN	DRAWN
		SHEET	
		8 of 9	

# GREAT PLAINS BUSINESS PARK 4TH ADDITION

## WICHITA, SEDGWICK COUNTY, KANSAS



NOTE:  
ADDITIONAL BUILDING SETBACK REQUIREMENTS AND  
RESTRICTIONS PER COMMUNITY UNIT PLAN DP-326.

- = #4 REBAR W/ "BAUGHMAN" CAP (SET)
- = #4 REBAR W/ "BAUGHMAN" CAP (FOUND)
- = #5 REBAR W/ "TIG" CAP (FOUND)
- = #5 REBAR (FOUND)
- △ = #4 REBAR W/ "SL5168" CAP (FOUND)

- (M) = MEASURED
- (P) = PLATED
- (CM) = CALCULATED PER MEASURED INFO.
- (CP) = CALCULATED PER PLATED INFO.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES		
LOT	BLOCK	ELEVATION
1	A	1366.0

BENCHMARK:  
CROSS CUT ON TOP OF CATCH BASIN, WEST SIDE OF RIDGEWOOD, 14'2" NORTHEAST OF THE SE COR. OF LOT 3, BLOCK 2, GREAT PLAINS BUSINESS PARK 3RD ADDITION. ELEV.=1366.03 (NAVD88)

State of Kansas) SS We, Baughman Company, P.A., Surveyors in aforesaid county and state do hereby certify that we have surveyed and platted "GREAT PLAINS BUSINESS PARK 4TH ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of all of Lots 2, 3, 4, 5, and 6, Block 3, Great Plains Business Park 3rd Addition to Wichita, Kansas, Sedgwick County, Kansas, TOGETHER with all of Ridgewood Court as dedicated in said Great Plains Business Park 3rd Addition.

All being situated in the Northwest Quarter of Section 36, Township 26 South, Range 1 East of the 6th Principal Meridian, Sedgwick County, Kansas.

Existing public easements and dedications being vacated by virtue of K.S.A. 12-512b.

Baughman Company, P.A.

Michael G. Conrey, Surveyor

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into a Lot and a Block, to be known as "GREAT PLAINS BUSINESS PARK 4TH ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easements are hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. The drainage easements are hereby granted as indicated for drainage purposes. Access controls shall be as indicated on the face of the plat and are hereby granted to the appropriate governing body. The Minimum Building Pad Elevation for the lowest opening to the structures on Lot 1, Block A shall be as indicated on the face of the plat.

Ridgewood North, LLC, a limited liability company

Susayn C. Brandes, President of Great Plains Ventures, Inc., a Kansas corporation

State of Kansas) SS The foregoing instrument acknowledged before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2012, by Susayn C. Brandes, President of Great Plains Ventures, Inc., a Kansas corporation, as Manager of Ridgewood North, LLC, a limited liability company, on behalf of the limited liability company.

Notary Public

My App't. Exp. \_\_\_\_\_

We, the undersigned holders of a mortgage on the above described property, do hereby consent to this plat of "GREAT PLAINS BUSINESS PARK 4TH ADDITION", Wichita, Sedgwick County, Kansas.

INTRUST Bank, N.A.

State of Kansas) SS The foregoing instrument acknowledged before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2012, by \_\_\_\_\_ of INTRUST Bank, N.A., on behalf of the bank.

Notary Public

My App't. Exp. \_\_\_\_\_

This plat of "GREAT PLAINS BUSINESS PARK 4TH ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2012.  
Wichita-Sedgwick County Metropolitan Area Planning Commission

Shawn Farney, Chair

John L. Schlegel, Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

Carl Brewer, Mayor

Karen Sublett, City Clerk

Reviewed in accordance with K.S.A. 58-2005 on this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

Tricia L. Robello, L.S. #1246  
Deputy County Surveyor  
Sedgwick County, Kansas

Entered on transfer record this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

Kelly B. Arnold, County Clerk

State of Kansas) SS This is to certify that this plat has been filed for record in the office of the Register of Deeds, this \_\_\_\_\_ day of \_\_\_\_\_, 2012 at \_\_\_\_\_ o'clock \_\_\_\_\_ M; and is duly recorded.

Bill Meek, Register of Deeds

Tonya Buckingham, Deputy

