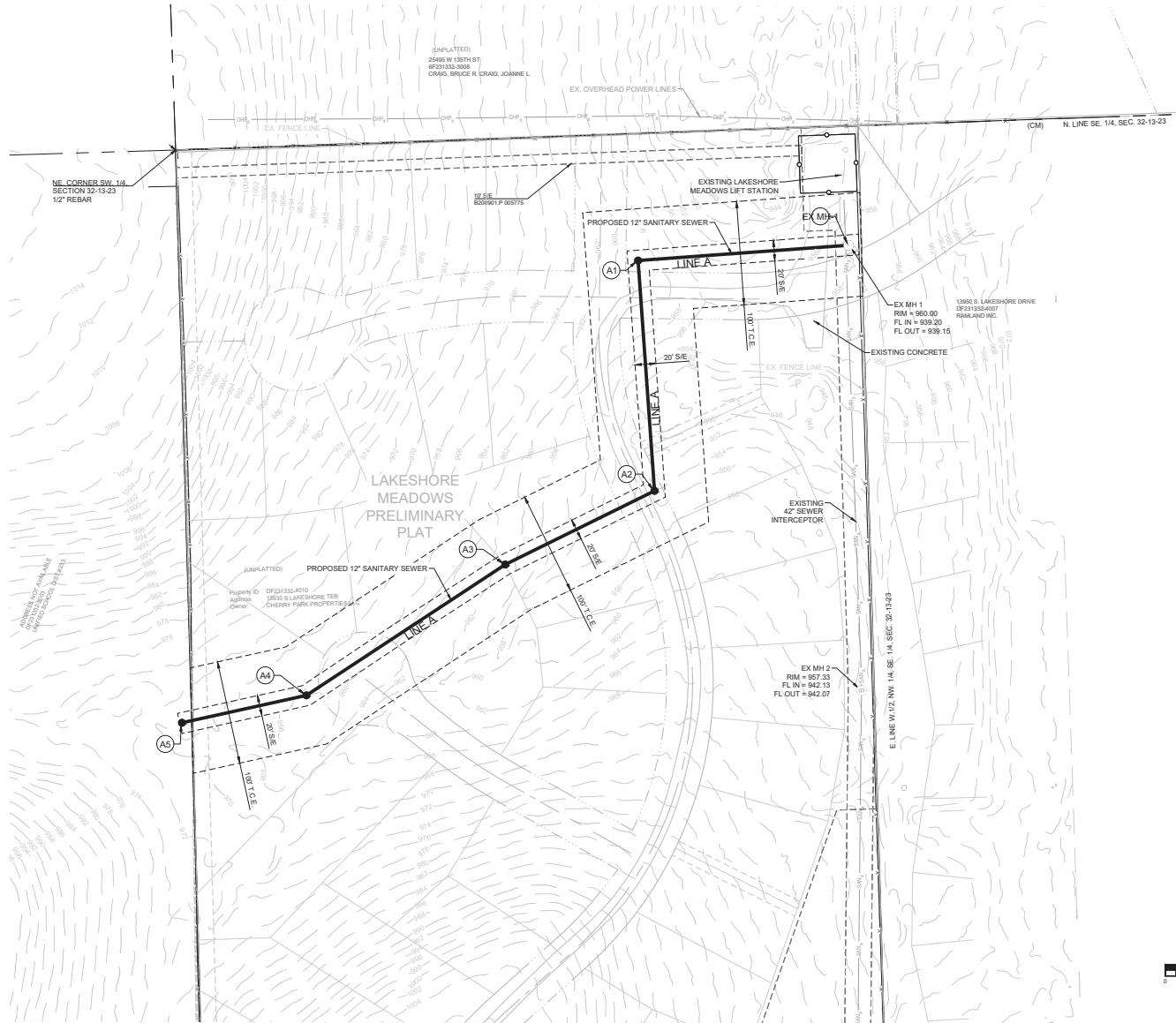




PROJECT BENCHMARK:

POINT 4006 MONUMENT FOUND 1/2\"/>

JOHNSON COUNTY BENCHMARK:

Bernstein Aluminum Disk Stamped BM 631
Set on the S.E. Corner of Headwall on South Side 143rd St.
ELEV. 946.82

**SCHLAGEL**
ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS
1435 S. 14TH ST., SUITE 101
Olathe, MO 64646
(913) 492-5158 • Fax: (913) 492-3403
WWW.SCHLAGELASSOCIATES.COM
Professional Engineer
#0239644-20 / 4.5.04

PREPARED BY:

SCHLAGEL & ASSOCIATES P.A.

143RD STREET & ANDREWS AVE. SEWER
MAIN EXTENSION

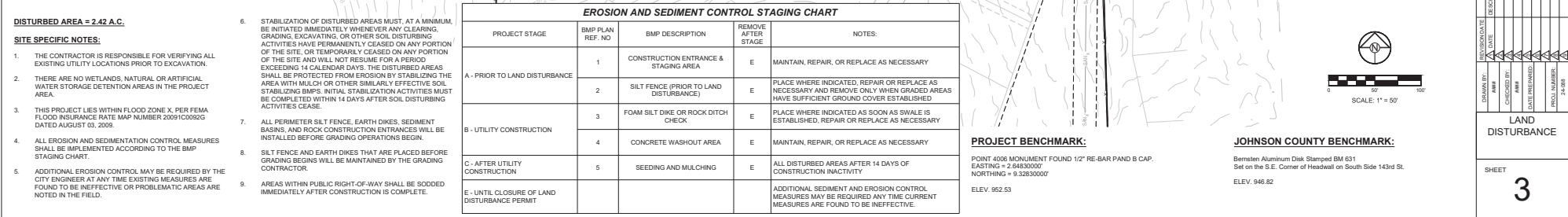
143RD STREET & ANDREWS AVE. OLATHE,
KANSAS

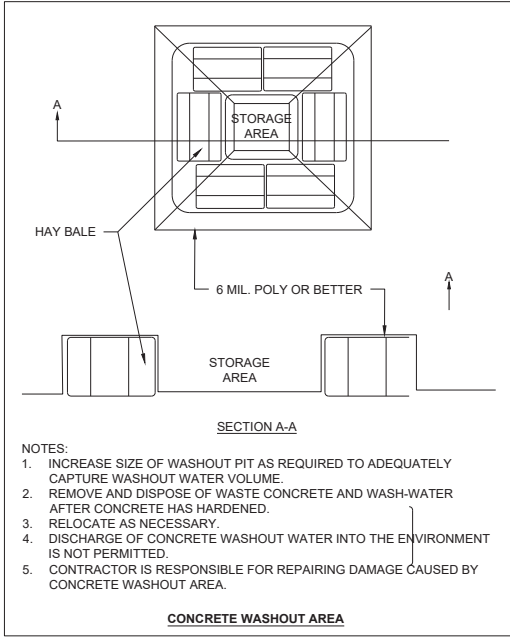
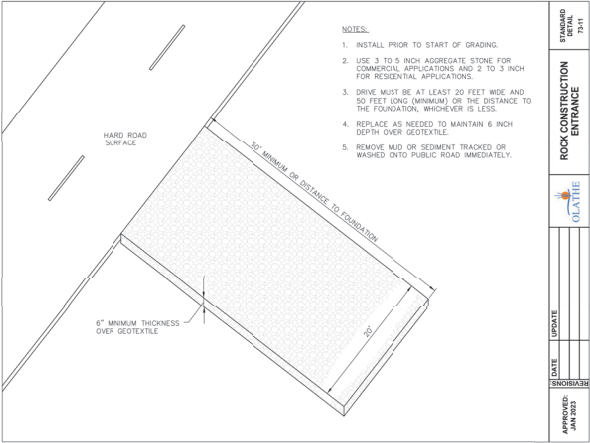
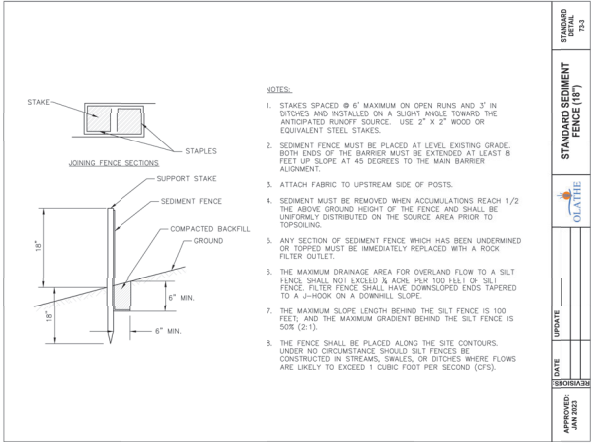
DATE	DESCRIPTION
10/1/2014	DESIGN
10/1/2014	REVISION
10/1/2014	REVISION
10/1/2014	REVISION
10/1/2014	REVISION
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10/1/2014	REVISION

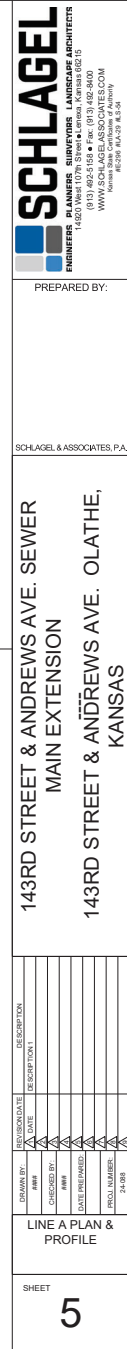
DATE	DESCRIPTION
10/1/2014	DESIGN
10/1/2014	REVISION
10/1/2014	REVISION
10/1/2014	REVISION
10/1/2014	REVISION
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10/1/2014	REVISION

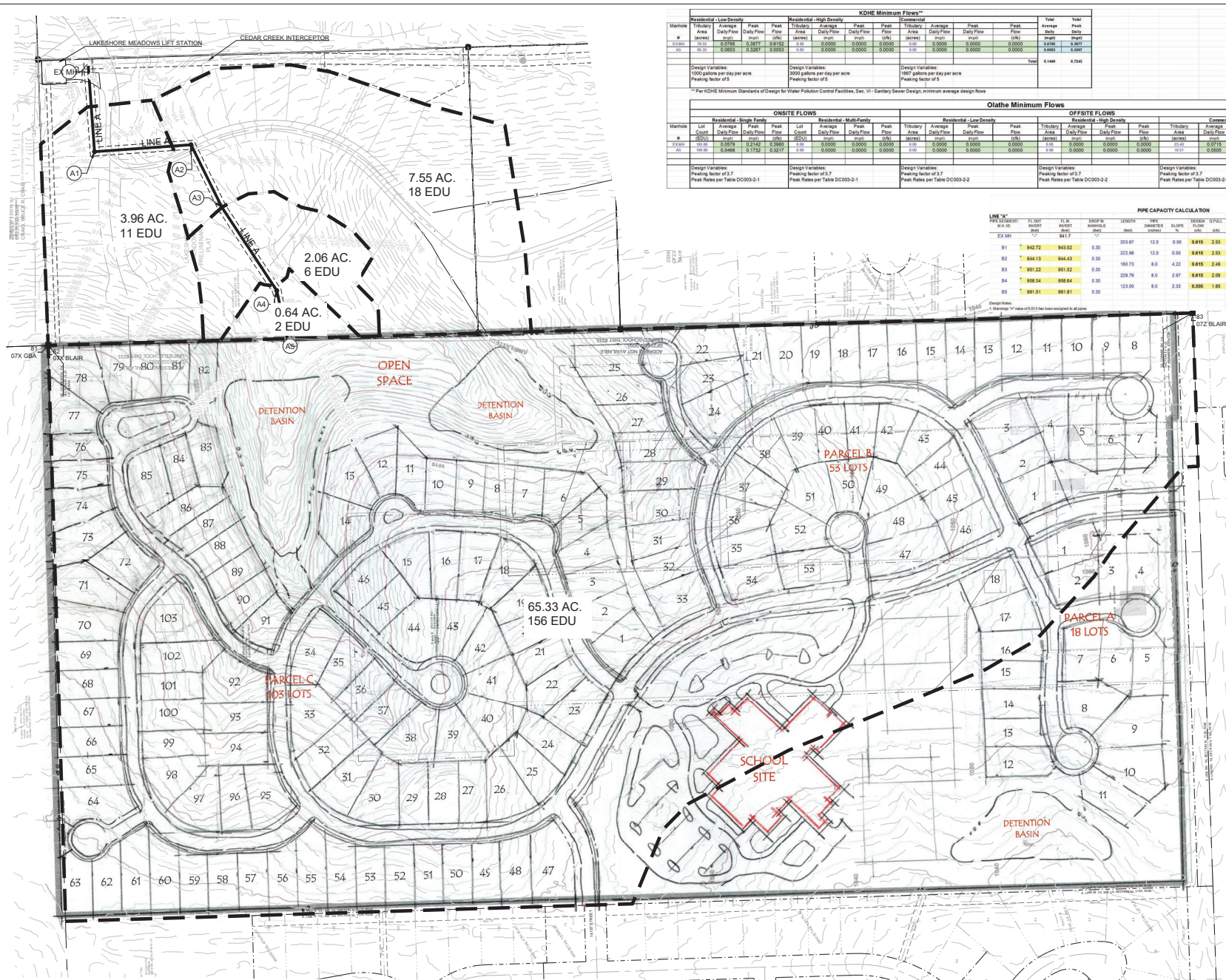
GENERAL LAYOUT

SHEET
2







[illegible]

** Per KDHE Minimum Standards of Design for Water Pollution Control Facilities, Sec. VI - Sanitary Sewer Design, minimum average design flows

[illegible]

LINE #		LENGTH CALCULATION											
NO.	DESCRIPTION	FLIGHT TIME	FLYING TIME	DRAG IN TIME	PUMP LOSS	DESIGN LOSS	GRILL LOSS	0.12 FILL LOSS	VELOCITY LOSS	0.12 VELOCITY LOSS	% OF LOSS	% OF LOSS	
1	14072	14072	0.30	203.67	12.0	0.30	0.615	2.53	1.26	3.22	2.50	35.80	24.35
2	14073	14073	0.30	222.66	12.0	0.30	0.615	2.53	1.26	3.22	2.50	35.80	24.35
3	14074	14074	0.30	160.78	6.0	4.22	0.615	2.48	1.12	1.73	1.97	7.85	24.71
4	14075	14075	0.30	129.76	6.0	2.67	0.615	2.09	1.04	0.68	1.65	37.20	28.46
5	14076	14076	0.30	238.10	6.0	2.93	0.505	1.85	0.92	0.30	1.46	5.91	34.84

Design Notes:

SCHLAGEL
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#62-296 ILLA-23 IL-3-4

PREPARED BY

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143RD STREET & ANDREWS AVE. SEWER
MAIN EXTENSION

143RD STREET & ANDREWS AVE. OLATHE,
KANSAS

DRUM BY:	REVISION DATE	DESCRIPTION
JMB	DATE	DESCRIPTION 1
CHECKED BY:		
MJB		
DATE PREPARED:		
PROJ. NUMBER:		
24-084		

TRIBUTARY
MAP

SHEET

6

