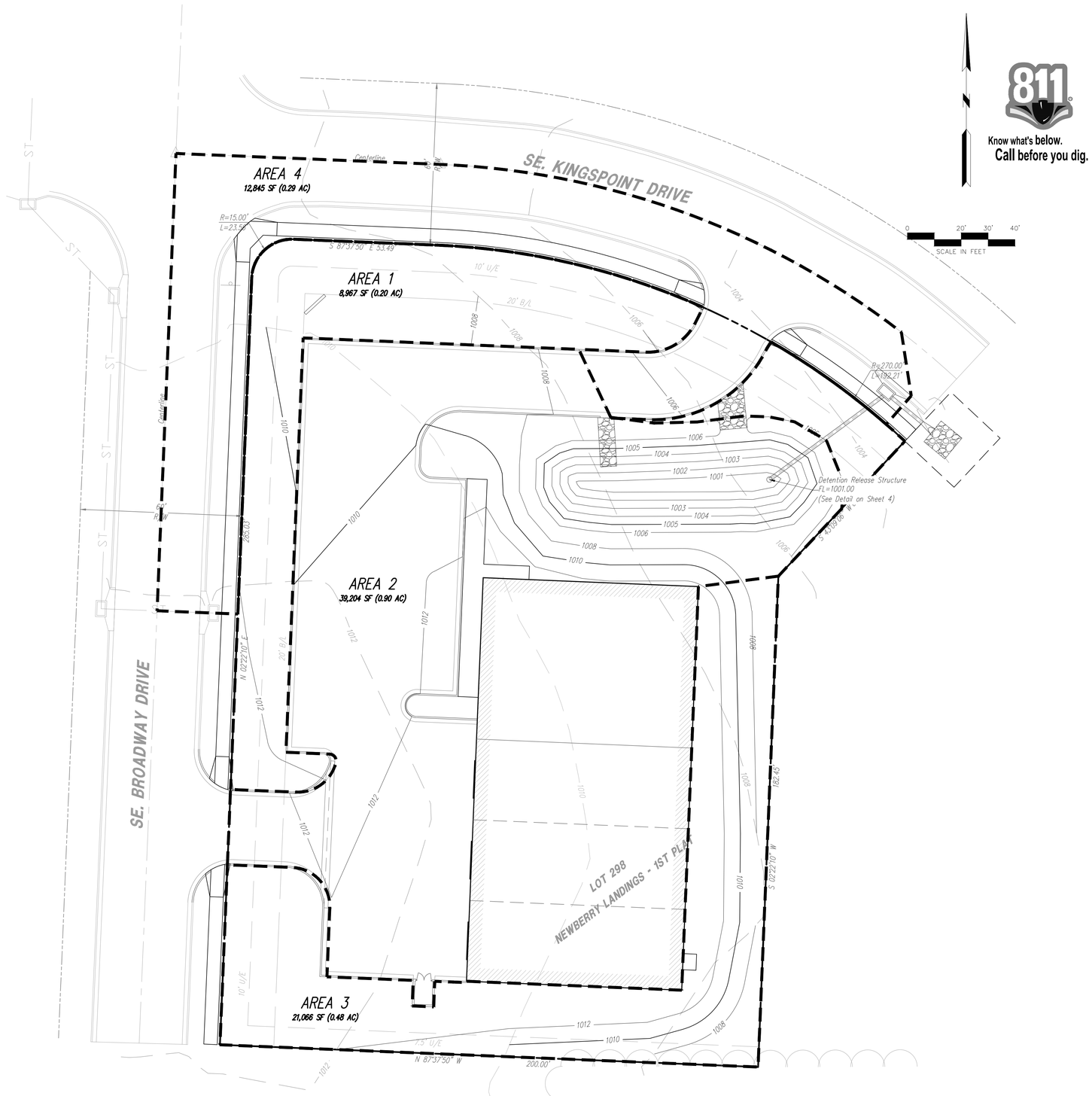
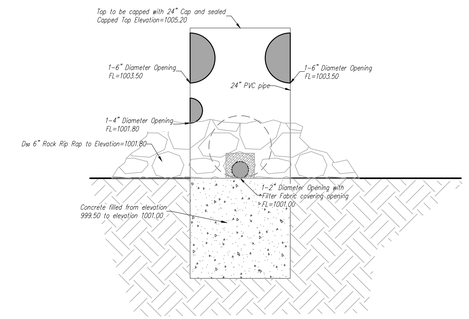
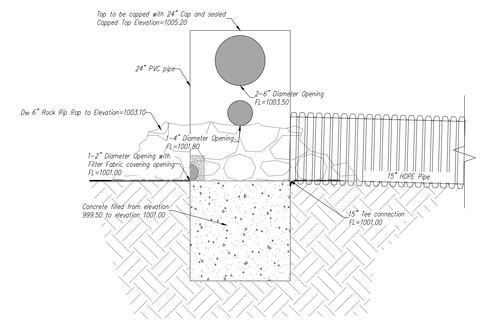


Detention Pond Details:

Elevation (feet)	Surf.Area (sq-ft)	Cum.Store (cubic-feet)
1,000.5	130	0
1,001	368	135
1,002	866	735
1,003	1,422	1,868
1,004	2,037	3,588
1,004.76	2,062.84	4,251 (100 year storage)
1,005	2,711	5,955

Detention release was sized by Bentley PondPACK V8i and is sized to release the 100-year storm event over the proposed rip rap lined channel.





Detention Release Structure
NTS

STORM SEWER NOTES:

1. All construction shall be in accordance with the latest edition of the City of Lee's Summit "DESIGN AND CONSTRUCTION MANUAL".
2. All pipe to be HDPE with smooth interior with a minimum "n" value of 0.011
3. Contractor shall verify the exact location and depth of all existing utilities prior to construction.
4. Elevations are called out to top of curb, top of pavement, or top of structure, unless otherwise noted.
5. See Storm Water Report for pipe sizing.
6. Parking lot grading shall be performed to route storm water as directed to the storm collection system.

DRAINAGE AREAS

Contractor to verify all invert elevations for existing sewer connections. Contact civil engineer if conflict arises.

PROJECT BENCHMARK:

#1 Top of Catch Basin lid on east side of SE Broadway Drive.
N: 991756.1001
E: 2829182.9734
TOP ELEV. 1012.13

DATE	REVISION	NO.	BY	CK/APP
12/14/17	REVISION BY CITY COMMENTS	1	EDH	RKS
01/16/18	REVISION BY CITY COMMENTS	2	EDH	RKS

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STATE OF MISSOURI
R. KEVIN STERRETT
NUMBER E-26440
REGISTERED PROFESSIONAL ENGINEER

01/16/18

R. KEVIN STERRETT, MO E-26440

Consult Inc engineers planners
CORPORATE LICENSE No. E2010005973

FINAL DEVELOPMENT PLAN
DRAINAGE AREAS

TPC INTERIORS
FINAL DEVELOPMENT PLAN
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF NO.
17125B
DRAWING NO.
17052
DATE
NOVEMBER 20, 2017
JOB NO.
17052