



© 2018 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE
IDEAS AND DESIGNS CONTAINED
HEREIN, SHALL BE CONSIDERED
INSTRUMENTS OF PROFESSIONAL
SERVICE, AND ARE HEREBY ON
BEHALF OF GARVER, LLC, ANY USE,
REPRODUCTION, OR DISTRIBUTION
OF THIS DOCUMENT, ALONG WITH
THE IDEAS AND DESIGNS CONTAINED
HEREIN, IS PROHIBITED UNLESS
AUTHORIZED IN WRITING BY
GARVER, LLC OR EXPLICITLY
ALLOWED IN THE GOVERNING
PROFESSIONAL SERVICES
AGREEMENT FOR THIS WORK

8535 E. 21st Street North
Suite 130
Wichita, Kansas 67206

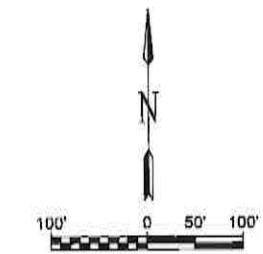
SKY VIEW AT BLOCK 49

Bel Aire, Sedgwick County, Kansas

DRAINAGE PLAN

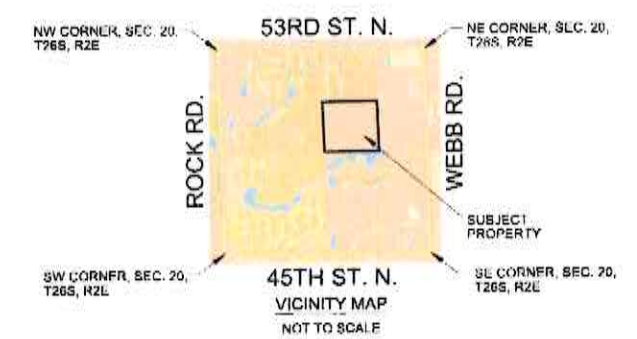
NOTES

- The on-site soils are Rosehill and Goessel Silty Clay (Hydrologic Soil Group D).
- Based on a review of prior drainage plans, the existing ponds in Tierra Verde were sized to accept the developed runoff from this site. The plan provided for review used a C100 of 0.80 and a curve number of 95, both of which are conservative values for the proposed duplex configuration. The proposed runoff coefficient for the developed site as duplexes is set at 0.76. As such, no additional detention is required.
- The current locations for SWS crossing the Conoco Phillips Easement are preliminary. Hydroexcavation in coordination with Phillips 66 will be performed to determine best locations for SWS crossings.
- Existing terraces in the proposed addition will be removed during construction. Storm sewer or ditch grading will be incorporated to convey drainage from terraces outside the development into appropriate drainage ways.
- The existing pond in Rock Spring 3rd was designed to accept the drainage from the northeast corner of this site without any additional detention requirements.



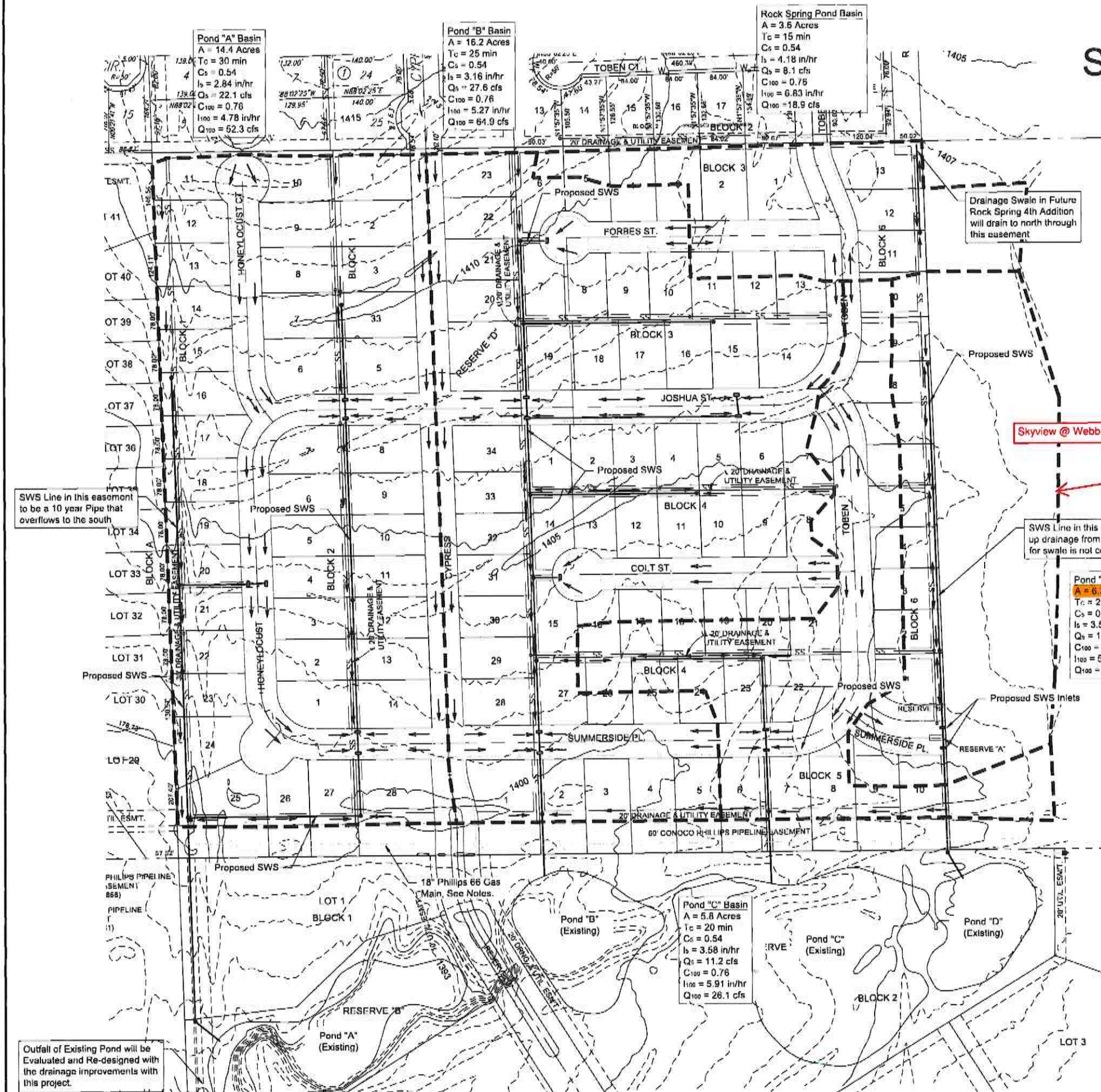
MINIMUM BUILDING PAD ELEVATION FOR LOWEST OPENING INTO STRUCTURES		
BLOCK	LOT NO	ELEVATION (NAVD88)
5	1, 2, 3, 4	1399.5
5	5, 6, 7, 8, 9, 10	1401.5

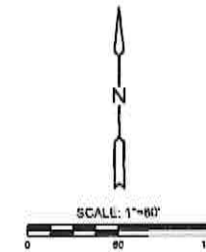
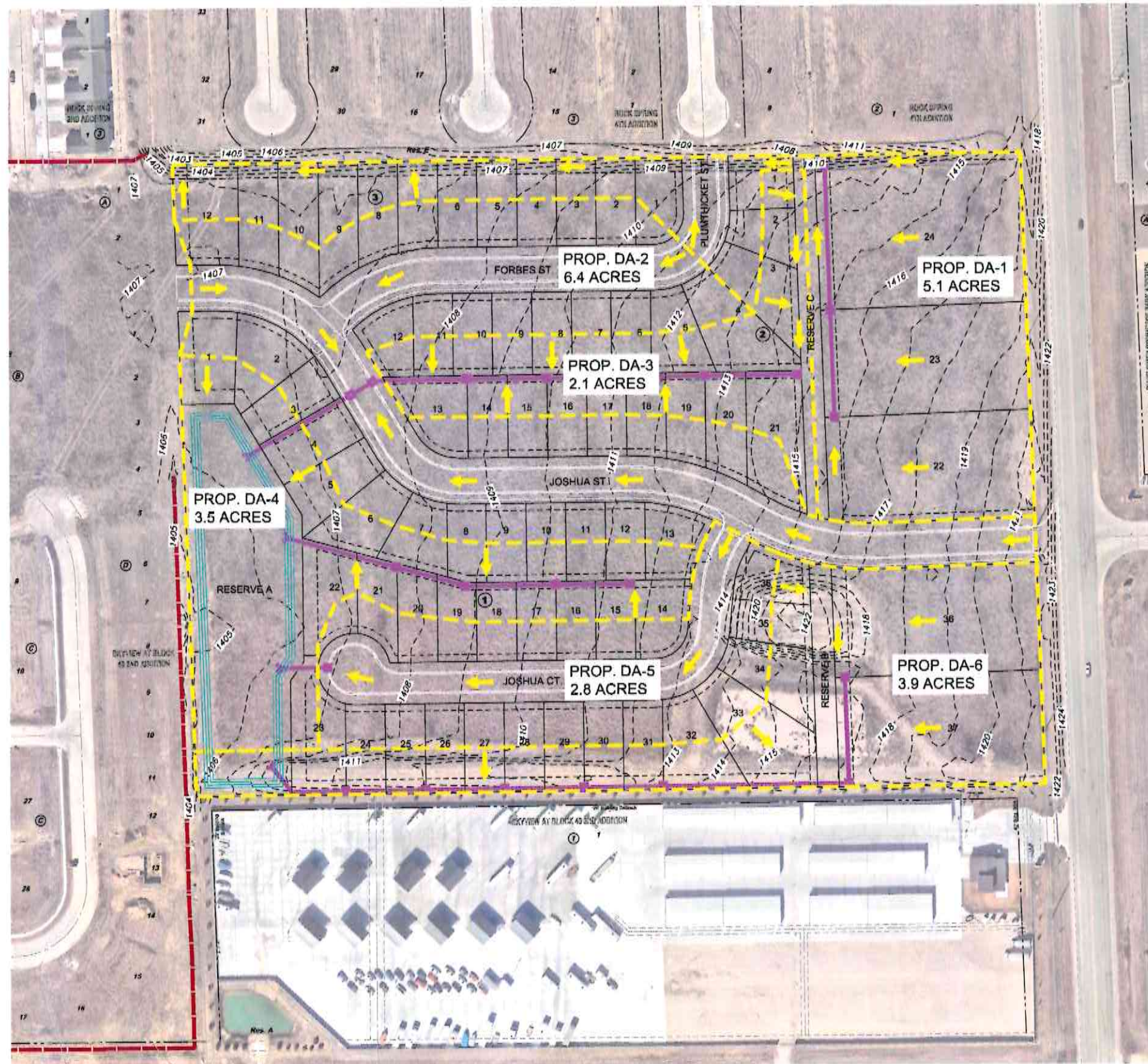
- BENCHMARK #1:
CHISELED SQUARE ON THE TOP OF CURB AT THE EAST
CURB RETURN AT CYPRESS CH. AND CHRIS ST.,
ELEVATION = 1417.95 (NAVD88, G12B)
- BENCHMARK #2:
CHISELED SQUARE AT THE NORTHWEST CORNER OF A
CONCRETE VAULT AT THE NORTHWEST CORNER OF THE
CITY OF WICHITA CHLORINATE BUILDING, 702 WEST
AND 76 SOUTH OF THE NORTHEAST QUARTER CORNER
OF SEC. 20, T26S, R2E,
ELEVATION = 1400.06 (NAVD88, G12B)



CITY OF BEL AIRE
KANSAS
SKY VIEW AT BLOCK 49
DRAINAGE PLAN

JOB NO.:
DATE:
DESIGNED BY:
DRAWN BY:
DRAWING NUMBER
SHEET
NUMBER





- LEGEND**
- FLOW ARROW
 - DRAINAGE AREAS
 - EXISTING LIDAR CONTOURS
 - EXIST. STORMWATER SEWER
 - PROP. STORMWATER SEWER



CONCEPTUAL DRAINAGE MAP FOR
SKYVIEW AT WEBB ADDITION
BEL AIRE, KS

CONCEPTUAL DRAINAGE
PLAN

PROJECT NO.
2401010671

SCALE:
1"=80'

DRAWN DESIGNED CHECKED
WAD WAD KLA

NO.	REVISION	DATE

SHEET NO.