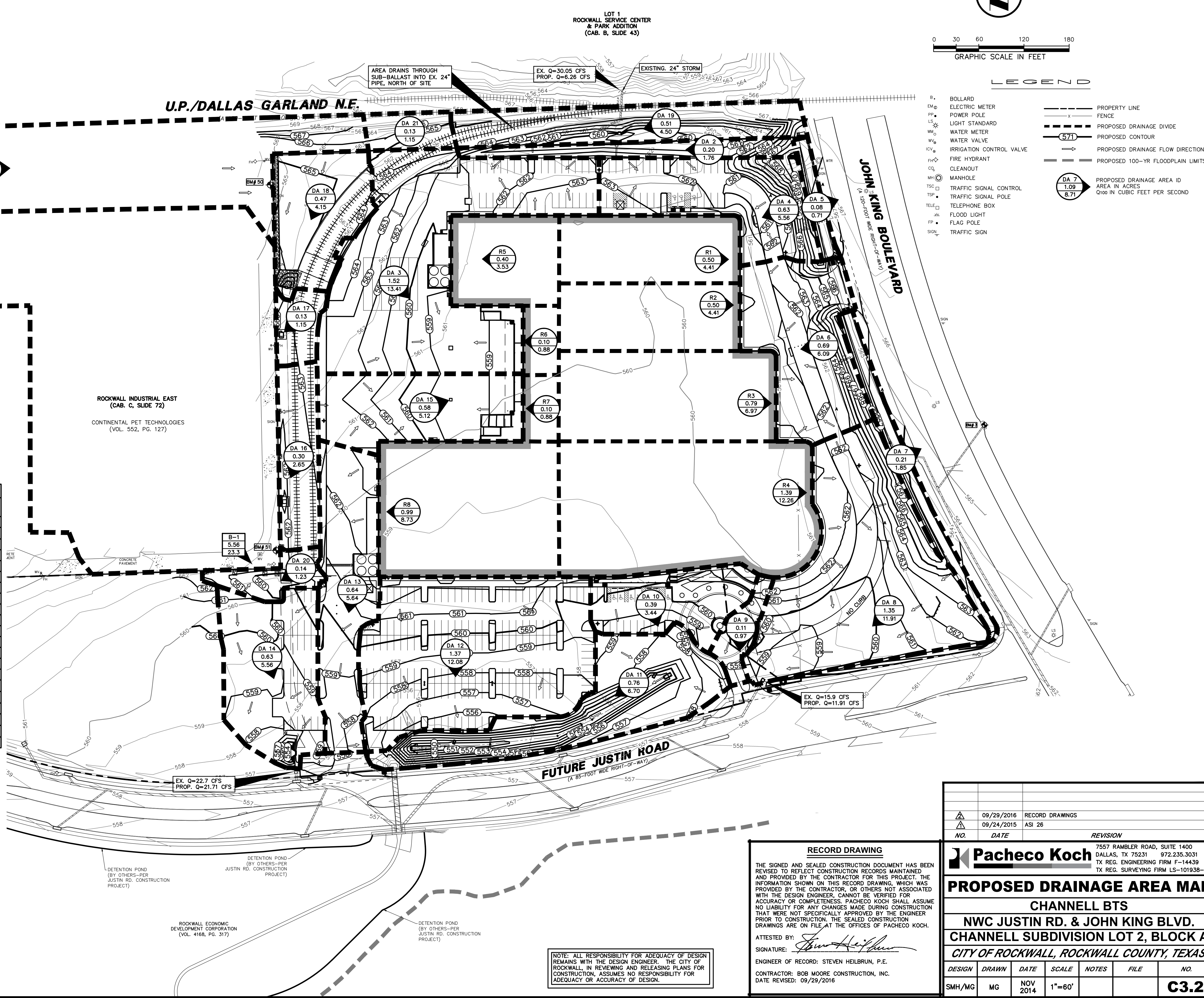


LEGEND

- B. BOLLARD
- EM₀ ELECTRIC METER
- PP₀ POWER POLE
- LS₀ LIGHT STANDARD
- WM₀ WATER METER
- WV₀ WATER VALVE
- ICV₀ IRRIGATION CONTROL VALVE
- FH₀ FIRE HYDRANT
- CQ₀ CLEANOUT
- MH₀ MANHOLE
- TSC₀ TRAFFIC SIGNAL CONTROL
- TSP₀ TRAFFIC SIGNAL POLE
- TELE₀ TELEPHONE BOX
- FL₀ FLOOD LIGHT
- FP₀ FLAG POLE
- SIGN₀ TRAFFIC SIGN
- PROPERTY LINE
- - - FENCE
- - - PROPOSED DRAINAGE DIVIDE
- - - PROPOSED CONTOUR
- (571) PROPOSED DRAINAGE FLOW DIRECTION
- - - PROPOSED 100-YR FLOODPLAIN LIMITS
- DA 7 1.09 8.71 PROPOSED DRAINAGE AREA ID
- AREA IN ACRES
- Q₁₀₀ IN CUBIC FEET PER SECOND



U.P./DALLAS GARLAND N.E.

LOT 1
ROCKWALL SERVICE CENTER
& PARK ADDITION
(CAB. B, SLIDE 43)

ROCKWALL INDUSTRIAL EAST
(CAB. C, SLIDE 72)
CONTINENTAL PET TECHNOLOGIES
(VOL. 552, PG. 127)

JOHN KING BOULEVARD
(A 70-FOOT WIDE RIGHT-OF-WAY)

FUTURE JUSTIN ROAD
(A 85-FOOT WIDE RIGHT-OF-WAY)

PROPOSED DRAINAGE CRITERIA:
Q=C(I)(A)

DRAINAGE AREA ID	AREA (acres)	C	T _c (minutes)	STORM FREQUENCY	I ₁₀₀ (Inch/hour)	Q ₁₀₀ (cfs)	COMMENTS
DA 1	2.14	0.90	10	100 YEAR	9.80	18.87	DRAINS TO DA 18
DA 2	0.20	0.90	10	100 YEAR	9.80	1.76	DRAINS TO PROPOSED 24" HEADWALL NORTH
DA 3	1.52	0.90	10	100 YEAR	9.80	13.41	DRAINS TO PROPOSED PRIVATE GRATE INLET
DA 4	0.63	0.90	10	100 YEAR	9.80	5.56	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 5	0.08	0.90	10	100 YEAR	9.80	0.71	DRAINS TO JOHN KING BLVD
DA 6	0.69	0.90	10	100 YEAR	9.80	6.09	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 7	0.21	0.90	10	100 YEAR	9.80	1.85	DRAINS TO JOHN KING BLVD
DA 8	1.35	0.90	10	100 YEAR	9.80	11.91	DRAINS TO PROPOSED Y-INLET BY OTHERS
DA 9	0.11	0.90	10	100 YEAR	9.80	0.97	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 10	0.39	0.90	10	100 YEAR	9.80	3.44	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 11	0.76	0.90	10	100 YEAR	9.80	6.70	DRAINS TO PROPOSED HEADWALL AT ST-4
DA 12	1.37	0.90	10	100 YEAR	9.80	12.08	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 13	0.64	0.90	10	100 YEAR	9.80	5.64	DRAINS TO PROPOSED PRIVATE CURB INLET
DA 14	0.63	0.90	10	100 YEAR	9.80	5.56	DRAINS TO PROPOSED HEADWALL AT ST-5
DA 15	0.58	0.90	10	100 YEAR	9.80	5.12	DRAINS TO PROPOSED PRIVATE GRATE INLET
DA 16	0.30	0.90	10	100 YEAR	9.80	2.65	DRAINS TO PROPOSED "Y" INLET
DA 17	0.13	0.90	10	100 YEAR	9.80	1.15	DRAINS TO PROPOSED "Y" INLET
DA 18	0.47	0.90	10	100 YEAR	9.80	4.15	DRAINS TO PROPOSED HEADWALL AT ST-15
DA 19	0.51	0.90	10	100 YEAR	9.80	4.50	DRAINS TO PROPOSED 24" HEADWALL NORTH
DA 20	0.14	0.90	10	100 YEAR	9.80	1.23	DRAINS TO PROPOSED "Y" INLET
DA 21	0.13	0.90	10	100 YEAR	9.80	1.15	DRAINS TO DA 3

DRAINAGE AREA ID	AREA (acres)	C	T _c (minutes)	STORM FREQUENCY	I ₁₀₀ (Inch/hour)	Q ₁₀₀ (cfs)	DESCRIPTION
B-1*	5.56	N/A	N/A	100	N/A	23.3	DRAINS TO DA 16 & 20 **

* SEE NOTES 1 & 2 ON SHEET C3.1
 ** DRAINAGE AREA B-1 DRAINS THROUGH 8 OPENINGS ALONG EXISTING WALL. DESIGN ASSUMES 2.91 CFS IS RELEASED FROM EACH OPENING AT THE 100YR STORM EVENT. 5 OPENINGS FACE EAST TO DA 16 AND 3 OPENINGS FACE SOUTH TO DA 20.

DRAINAGE AREA ID	AREA (acres)	C	T _c (minutes)	STORM FREQUENCY	I ₁₀₀ (Inch/hour)	Q ₁₀₀ (cfs)	COMMENTS
R1	0.50	0.90	10	100	9.80	4.41	DRAINS ST-11
R2	0.50	0.90	10	100	9.80	4.41	DRAINS ST-10
R3	0.79	0.90	10	100	9.80	6.97	DRAINS ST-9
R4	1.39	0.90	10	100	9.80	12.26	DRAINS ST-8
R5	0.40	0.90	10	100	9.80	3.53	ROOF DRAIN DISCHARGE AT GRADE ON DA-3
R6	0.10	0.90	10	100	9.80	0.88	ROOF DRAIN DISCHARGE AT GRADE ON DA-3
R7	0.10	0.90	10	100	9.80	0.88	ROOF DRAIN DISCHARGE AT GRADE ON DA-15
R8	0.99	0.90	10	100	9.80	8.73	ROOF DRAIN DISCHARGE AT GRADE ON DA-13

** ROOF DRAINAGE AREAS PROVIDED BY MEP

REFER TO SHEET C4.1 FOR EXISTING DRAINAGE AREA B-1

NOTE: ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

RECORD DRAWING

THE SIGNED AND SEALED CONSTRUCTION DOCUMENT HAS BEEN REVISED TO REFLECT CONSTRUCTION RECORDS MAINTAINED AND PROVIDED BY THE CONTRACTOR FOR THIS PROJECT. THE INFORMATION SHOWN ON THIS RECORD DRAWING, WHICH WAS PROVIDED BY THE CONTRACTOR, OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER, CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. PACHECO KOCH SHALL ASSUME NO LIABILITY FOR ANY CHANGES MADE DURING CONSTRUCTION THAT WERE NOT SPECIFICALLY APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF PACHECO KOCH.

ATTESTED BY: *Steven Heilbrun*
 SIGNATURE:
 ENGINEER OF RECORD: STEVEN HEILBRUN, P.E.
 CONTRACTOR: BOB MOORE CONSTRUCTION, INC.
 DATE REVISED: 09/29/2016

NO.	DATE	REVISION
09/29/2016	RECORD DRAWINGS	
09/24/2015	ASI 26	

Pacheco Koch
 7557 RAMBLER ROAD, SUITE 1400
 DALLAS, TX 75231 972.235.3031
 TX REG. ENGINEERING FIRM F-14439
 TX REG. SURVEYING FIRM LS-101938-05

PROPOSED DRAINAGE AREA MAP

CHANNELL BTS

NWC JUSTIN RD. & JOHN KING BLVD.

CHANNELL SUBDIVISION LOT 2, BLOCK A

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SMH/MG	MG	NOV 2014	1"=60'			C3.2

09/29/2016 5:14PM
 M: DWG-32-3273-14.192D.MXD
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CHANNELL BTS-LOT 2 BLOCK A CHANNELL SUBDIVISION