



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.

ATTENDED BY: *Steven Heilbrun*

SIGNATURE: *Steven Heilbrun*

ENGINEER OF RECORD: STEVEN HEILBRUN, P.E.

CONTRACTOR: CALHAR CONSTRUCTION, INC.

DATE REVISED: 09/30/2016

NOTES:

- BUILDING AND ALL SITE ITEMS SHOWN ON THIS PLAN HAVE BEEN DRAWN PER DESIGN PLAN FILES BY PACHECO KOCH CONSULTING ENGINEERS, SIGNED ON 8/28/2015, AND HAVE NOT BEEN FIELD VERIFIED
- LANDSCAPE DRAINS AND LANDSCAPE PIPING SHOWN FOR REFERENCE ONLY. (REFER TO LANDSCAPE PLAN FOR INLET AND STORM LATERAL)

BENCH MARK LIST

NO.	DATE	REVISION
09/30/2016	RECORD DRAWINGS	
07/28/2016	CITY COMMENTS	

BM A "X" CUT ON THE CENTER OF CURB INLET AT THE EDGE OF SIDEWALK ±25' FROM CURB RETURN AT NORTHWEST INTERSECTION OF JUSTIN ROAD AND INDUSTRIAL PARKWAY
ELEV=561.99 FT

BM B "X" CUT ON SOUTHEAST CORNER OF SIDEWALK NEXT TO HEADWALL ON WEST SIDE OF JOHN KING BOULEVARD ±1,700' NORTH OF INTERSTATE-30
ELEV=563.49 FT

BM 3 "X" CUT SET AT CENTER OF CONCRETE CURB INLET IN THE EAST SIDE OF JOHN KING BOULEVARD ±450' SOUTH OF A RAILROAD
ELEV=564.78 FT

BM 50 "X" CUT IN CONCRETE FOUND, ±41' SOUTH OF THE NORTHERMOST NORTHWEST CORNER OF THE SUBJECT PROPERTY AND ±3' WEST OF THE EDGE OF CONCRETE.
ELEV=565.60 FT

BM 51 "X" CUT IN CONCRETE SET, ±879' EAST OF THE CENTERLINE OF INDUSTRIAL BOULEVARD, ±526' SOUTH OF THE RAILROAD RIGHT-OF-WAY LINE; ±4' WEST OF THE CONCRETE RETAINING WALL AND ±18' NORTH OF A FIRE HYDRANT.
ELEV=561.88 FT

Pacheco Koch
7557 RAMBLER ROAD, SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-14439
TX REG. SURVEYING FIRM LS-10193805

STORM SEWER PLAN

CHANNEL BTS

STORM SEWER EXTENSION & LANDSCAPE IMPROVEMENTS

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
MG	DAR	JULY 2016	1"=20'			C1.1

STARTING HGL IS BASED ON HGL @ STA 0+00 ST-4 PER PLANS BY PACHECO KOCH DATED NOVEMBER 2014

Line ST-	4	Connects to Line ST-	1	At Station	0+20.40	Junction Type	Wye - 60°	Centerlines	100-YR	Up HGL w/ Jump	Dwn HGL (Auto Calc)	Up FL	V (fps)	V ² /2g (ft)	S _c	Q _{up} (cfs)	D _s (ft)	D _p (ft)	V _s (fps)	V _s ² /2g (ft)	Partial Station	Partial Elevation	
0+00.00	0+10.00	61.83	Pipe	48"	0.013	0.0050	Bend - 30°	Centerlines	555.49	555.51	555.68	549.53	4.92	0.38	0.0019	152.02	1.78	N/A	N/A	N/A	N/A	N/A	N/A
0+10.00	0+25.00	61.83	Pipe	48"	0.013	0.0050	Size Change	Centerlines	555.68	555.71	555.75	549.53	4.92	0.38	0.0019	152.02	1.78	N/A	N/A	N/A	N/A	N/A	N/A
0+25.00	0+37.82	61.83	Pipe	42"	0.013	0.0050	Wye - 60°	Centerlines	555.75	555.80	556.20	550.27	6.43	0.64	0.0038	71.14	2.52	N/A	N/A	N/A	N/A	N/A	N/A
0+37.82	0+78.66	59.18	Pipe	42"	0.013	0.0050	Wye - 60°	Centerlines	556.20	556.35	556.75	550.47	6.15	0.59	0.0035	71.14	2.44	N/A	N/A	N/A	N/A	N/A	N/A
0+78.66	1+10.81	47.11	Pipe	42"	0.013	0.0050	None	Centerlines	556.75	556.82	556.82	550.63	4.90	0.37	0.0022	71.14	2.08	N/A	N/A	N/A	N/A	N/A	N/A
1+10.81	2+17.93	47.11	Pipe	42"	0.013	0.0050	Wye - 60°	Centerlines	556.82	557.05	557.30	550.63	551.17	4.90	0.37	0.0022	71.14	2.08	N/A	N/A	N/A	N/A	N/A
2+17.93	2+59.46	43.05	Pipe	42"	0.013	0.0050	None	Centerlines	557.30	557.38	557.38	551.17	551.37	4.47	0.31	0.0018	71.14	1.96	N/A	N/A	N/A	N/A	N/A
2+59.46	3+38.44	43.05	Pipe	42"	0.013	0.0050	Wye - 60°	Centerlines	557.38	557.52	557.71	551.17	551.77	4.47	0.31	0.0018	71.14	1.96	N/A	N/A	N/A	N/A	N/A
3+38.44	3+66.67	43.05	Pipe	42"	0.013	0.0050	Wye - 60°	Centerlines	557.71	557.76	557.96	551.77	551.91	4.47	0.31	0.0018	71.14	1.96	N/A	N/A	N/A	N/A	N/A
3+66.67	3+88.76	39.61	Pipe	42"	0.013	0.0050	Manhole - 90°	Centerlines	553.3154	557.96	558.00	551.91	552.02	4.12	0.26	0.0015	71.14	1.87	N/A	N/A	N/A	N/A	N/A

Flows into "ST-EXT-1" ARE BASED ON DRAINAGE AREAS BY T.H. PRITCHETT/ASSOCIATES, RECEIVED BY PACHECO KOCH ON 07/21/2016, SIGNED AND SEALED ON 07/21/2016.