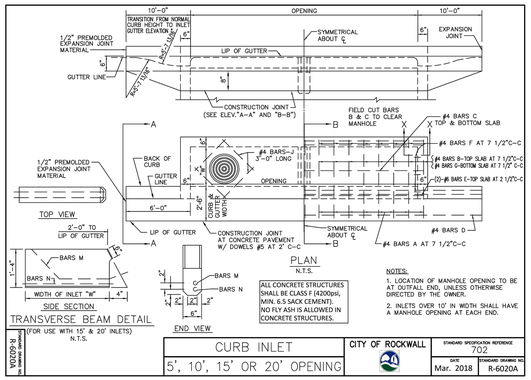
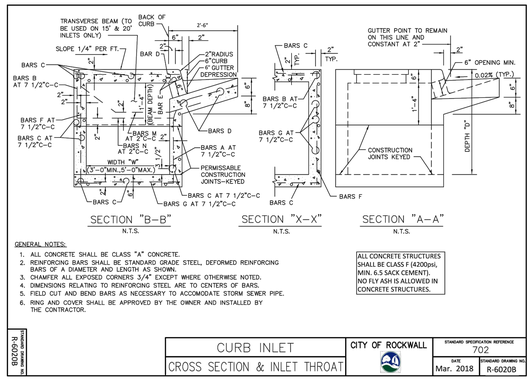


CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
5', 10', 15' OR 20' OPENING		DATE Mar. 2018 / STANDARD DRAWING NO. R-6020A

R-6020A — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS



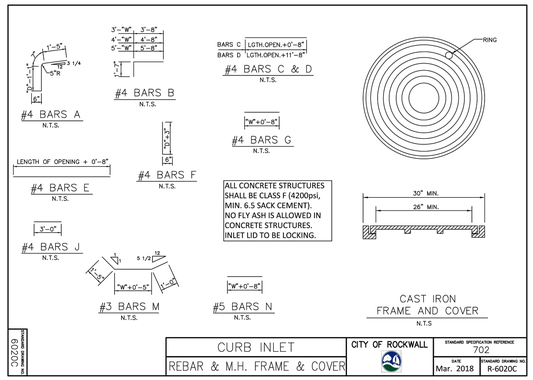
GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
2. REINFORCING BARS SHALL BE STANDARD GRADE STEEL, DEFORMED REINFORCING BARS OF A DIAMETER AND LENGTH AS SHOWN.
3. CHAMFER ALL EXPOSED CORNERS 3/4" EXCEPT WHERE OTHERWISE NOTED.
4. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMODATE STORM SEWER PIPE.
6. RING AND COVER SHALL BE APPROVED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 6.5 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
CROSS SECTION & INLET THROAT		DATE Mar. 2018 / STANDARD DRAWING NO. R-6020B

R-6020B — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS



ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 6.5 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES. INLET LID TO BE LOCKING.

CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
REBAR & M.H. FRAME & COVER		DATE Mar. 2018 / STANDARD DRAWING NO. R-6020C

R-6020C — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS

BILL OF REINFORCING STEEL

DEPTH "D"	ALL WIDTHS AND LENGTHS	OPENING LENGTH "L" = 5ft Widths "W" 3ft 4ft 5ft						OPENING LENGTH "L" = 10ft Widths "W" 3ft 4ft 5ft						OPENING LENGTH "L" = 15 ft Widths "W" 3ft 4ft 5ft						OPENING LENGTH "L" = 20 ft Widths "W" 3ft 4ft 5ft						
		C	D	E	J	F	F	A	B	G	F	F	A	B	G	F	F	A	B	G	M	N	F	F	A	B	G	M	N
3'-6"	17	3	2	4	20	24	28	10	10	20	28	32	36	18	28	36	40	44	26	36	2	2	44	48	52	34	44	2	2
3'-9"	18	*	*	*	*	*	*	*	*	22	*	*	*	*	*	*	*	*	*	*	*	*	28	*	*	*	*	*	*	*
4'-0"	19	*	*	*	*	*	*	*	*	24	*	*	*	*	*	*	*	*	*	*	*	*	32	*	*	*	*	*	*	*
4'-3"	19	*	*	*	*	*	*	*	*	24	*	*	*	*	*	*	*	*	*	*	*	*	32	*	*	*	*	*	*	*
4'-6"	21	*	*	*	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*
4'-9"	21	*	*	*	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*
5'-0"	21	*	*	*	*	*	*	*	*	26	*	*	*	*	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*
5'-3"	23	*	*	*	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*	*	*	*	36	*	*	*	*	*	*	*
5'-6"	23	*	*	*	*	*	*	*	*	28	*	*	*	*	*	*	*	*	*	*	*	*	36	*	*	*	*	*	*	*
5'-9"	25	*	*	*	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*	*	*	*	38	*	*	*	*	*	*	*
6'-0"	25	*	*	*	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*	*	*	*	38	*	*	*	*	*	*	*
6'-3"	26	*	*	*	*	*	*	*	*	30	*	*	*	*	*	*	*	*	*	*	*	*	38	*	*	*	*	*	*	*
6'-6"	27	*	*	*	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*	*	*	*	40	*	*	*	*	*	*	*
6'-9"	27	*	*	*	*	*	*	*	*	32	*	*	*	*	*	*	*	*	*	*	*	*	40	*	*	*	*	*	*	*
7'-0"	29	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*	*	*	*	42	*	*	*	*	*	*	*
7'-3"	29	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*	*	*	*	42	*	*	*	*	*	*	*
7'-6"	30	*	*	*	*	*	*	*	*	34	*	*	*	*	*	*	*	*	*	*	*	*	42	*	*	*	*	*	*	*
7'-9"	31	*	*	*	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*	*	*	*	44	*	*	*	*	*	*	*
8'-0"	31	*	*	*	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*	*	*	*	44	*	*	*	*	*	*	*
8'-3"	32	*	*	*	*	*	*	*	*	36	*	*	*	*	*	*	*	*	*	*	*	*	44	*	*	*	*	*	*	*
8'-6"	33	*	*	*	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*	*	*	*	46	*	*	*	*	*	*	*
8'-9"	34	*	*	*	*	*	*	*	*	38	*	*	*	*	*	*	*	*	*	*	*	*	46	*	*	*	*	*	*	*
9'-0"	35	*	*	*	*	*	*	*	*	40	*	*	*	*	*	*	*	*	*	*	*	*	48	*	*	*	*	*	*	*
9'-3"	36	*	*	*	*	*	*	*	*	40	*	*	*	*	*	*	*	*	*	*	*	*	48	*	*	*	*	*	*	*
9'-6"	37	*	*	*	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*	*	*	*	50	*	*	*	*	*	*	*
10'-0"	38	*	*	*	*	*	*	*	*	42	*	*	*	*	*	*	*	*	*	*	*	*	50	*	*	*	*	*	*	*

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 6.5 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

NOTE:
FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION.

CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
BILL OF REINFORCING STEEL		DATE Mar. 2018 / STANDARD DRAWING NO. R-6020D

R-6020D — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS

SUMMARY OF QUANTITIES FOR CURB INLETS

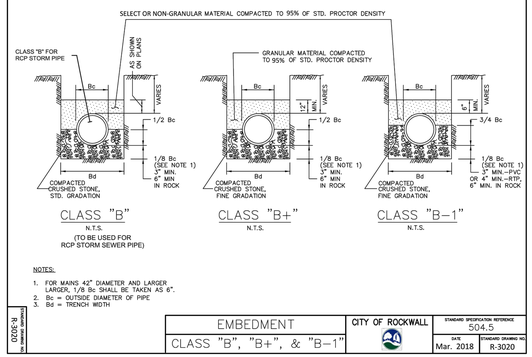
DEPTH "D"	5'-0" OPENING						10'-0" OPENING						15'-0" OPENING						20'-0" OPENING					
	WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"		WIDTH 3'-0"		WIDTH 4'-0"		WIDTH 5'-0"	
	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.
3'-6"	2.62	306	2.95	332	3.28	373	4.12	479	4.64	521	5.20	564	5.69	667	6.40	721	7.10	775	7.20	846	8.11	909	9.03	976
3'-9"	2.70	309	3.04	341	3.39	373	4.25	494	4.78	536	5.34	579	5.87	687	6.58	741	7.30	796	7.42	874	8.34	937	9.27	1010
4'-0"	2.78	328	3.14	364	3.49	399	4.38	518	4.92	565	5.49	610	6.05	718	6.77	776	7.49	835	7.64	909	8.58	976	9.51	1046
4'-3"	2.87	334	3.23	370	3.59	408	4.51	526	5.06	573	5.64	619	6.22	729	6.95	787	7.69	847	7.87	922	8.81	990	9.75	1061
4'-6"	2.95	356	3.32	394	3.69	431	4.64	558	5.20	607	5.79	656	6.40	770	7.14	830	7.88	891	8.09	973	9.04	1043	9.99	1115
4'-9"	3.03	361	3.41	410	3.79	438	4.77	566	5.34	616	5.94	665	6.57	780	7.32	841	8.07	903	8.31	986	9.27	1056	10.23	1129
5'-0"	3.12	367	3.51	416	3.90	445	4.90	574	5.47	624	6.09	674	6.75	791	7.51	853	8.27	915	8.53	999	9.50	1070	10.47	1144
5'-3"	3.20	383	3.60	424	4.00	465	5.03	600	5.61	652	6.23	704	6.93	827	7.69	890	8.46	955	8.76	1044	9.73	1118	10.71	1194
5'-6"	3.28	389	3.69	430	4.10	472	5.16	608	5.75	661	6.38	713	7.11	837	7.88	901	8.66	967	8.98	1057	9.97	1131	10.95	1208
5'-9"	3.37	405	3.78	451	4.20	495	5.29	635	5.89	690	6.53	744	7.28	874	8.07	940	8.85	1007	9.20	1102	10.20	1178	11.19	1258
6'-0"	3.45	415	3.88	460	4.30	504	5.42	646	6.03	702	6.68	757	7.45	888	8.25	954	9.05	1022	9.42	1119	10.43	1196	11.43	1276
6'-3"	3.53	425	3.97	470	4.41	515	5.55	661	6.17	718	6.83	773	7.63	908	8.44	974	9.24	1044	9.64	1147	10.66	1223	11.67	1305
6'-6"	3.62	437	4.06	486	4.51	532	5.68	681	6.31	739	6.97	797	7.81	935	8.62	1005	9.43	1057	9.87	1178	10.89	1258	11.92	1340
6'-9"	3.70	441	4.15	490	4.61	537	5.81	688	6.45	747	7.12	806	7.98	945	8.81	1015	9.63	1066	10.09	1181	11.12	1272	12.15	1355
7'-0"	3.78	460	4.25	510	4.71	560	5.94	716	6.59	777	7.27	837	8.16	981	8.99	1053	9.82	1126	10.31	1237	11.35	1319	12.40	1404
7'-3"	3.86	465	4.34	516	4.81	567	6.07	724	6.72	785	7.42	846	8.33	992	9.18	1065	10.02	1138	10.53	1249	11.59	1333	12.64	1418
7'-6"	3.95	477	4.43	529	4.91	570	6.20	742	6.86	804	7.57	866	8.51	1016	9.36	1089	10.21	1163	10.75	1290	11.82	1365	12.88	1451
7'-9"	4.03	491	4.53	544	5.02	597	6.33	762	7.00	826	7.71	890	8.67	1040	9.55	1116	10.41	1193	10.98	1313	12.05	1399	13.12	1498
8'-0"	4.12	496	4.62	550	5.12	604	6.46	770	7.14	834	7.86	899	8.86	1051	9.73	1129	10.60	1205	11.20	1325	12.28	1412	13.36	1510
8'-3"	4.20	504	4.71	559	5.22	613	6.59	784	7.28	849	8.01	915	9.04	1069	9.92	1149	10.80	1228	11.42	1353	12.51	1440	13.60	1529
8'-6"	4.28	519	4.80	576	5.32	632	6.71	804	7.42	871	8.16	938	9.21	1107	10.10	1176	10.99	1257	11.64	1385	12.74	1474	13.84	1565
8'-9"	4.37	528	4.90	586	5.42	643	6.84	819	7.56	886	8.31	954	9.39	1119	10.29	1199	11.18	1280	11.87	1410	12.97	1500	14.08	1592
9'-0"	4.45	545	4.99	605	5.53	664	6.97	842	7.70	912	8.46	982	9.56	1148	10.47	1231	11.38	1313	12.09	1447	13.21	1539	14.32	1631
9'-3"	4.53	554	5.08	614	5.63	674	7.10	858	7.84	929	8.60	999	9.74	1169	10.66	1252	11.57	1335	12.31	1474	13.44	1563	14.56	1660
9'-6"	4.62	568	5.17	630	5.73	692	7.23	878	7.97	950	8.75	1022	9.92	1195	10.84	1280	11.77	1365	12.53	1505	13.67	1600	14.80	1696
10'-0"	4.78	582	5.36	645	5.93	708	7.49	900	8.11	974	9.05	1048	10.27	1227	11.21	1312	12.16	1399	12.98	1546	14.13	1642	15.29	1739

NOTE:
FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION.

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 6.5 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

CURB INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
SUMMARY OF QUANTITIES		DATE Mar. 2018 / STANDARD DRAWING NO. R-6020E

R-6020E — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS

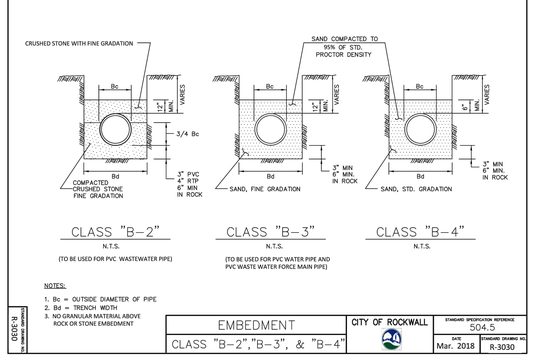


NOTES:

1. FOR MAINS 42" DIAMETER AND LARGER LARGER, 1/8 Bc SHALL BE TAKEN AS 6".
2. Bc = OUTSIDE DIAMETER OF PIPE
3. Bd = TRENCH WIDTH

EMBEDMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 504.5
CLASS "B", "B+", & "B-1"		DATE Mar. 2018 / STANDARD DRAWING NO. R-3020

R-3020 — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS

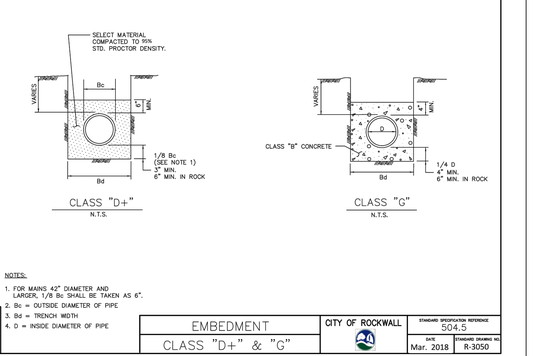


NOTES:

1. Bc = OUTSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH
3. NO GRANULAR MATERIAL ABOVE ROCK OR STONE EMBEDMENT

EMBEDMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 504.5
CLASS "B-2","B-3", & "B-4"		DATE Mar. 2018 / STANDARD DRAWING NO. R-3030

R-3030 — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS

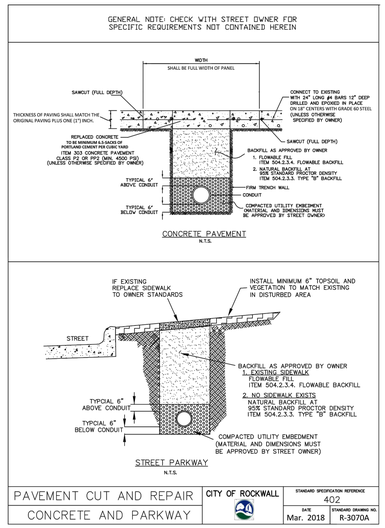


NOTES:

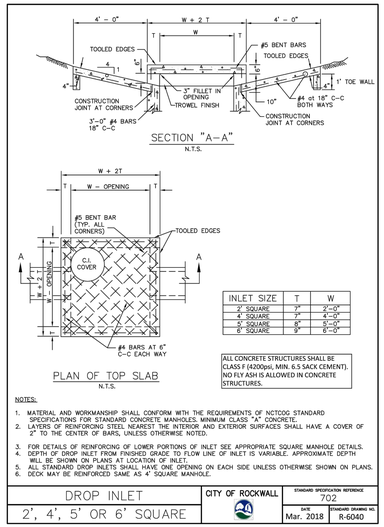
1. FOR MAINS 42" DIAMETER AND LARGER, 1/8 Bc SHALL BE TAKEN AS 6".
2. Bc = OUTSIDE DIAMETER OF PIPE
3. Bd = TRENCH WIDTH
4. D = INSIDE DIAMETER OF PIPE

EMBEDMENT	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 504.5
CLASS "D+" & "G"		DATE Mar. 2018 / STANDARD DRAWING NO. R-3050

R-3050 — THE OWNER DESIGNATES THE CONSTRUCTION MATERIALS



PAVEMENT CUT AND REPAIR	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 402
CONCRETE AND PARKWAY		DATE Mar. 2018 / STANDARD DRAWING NO. R-3070A



INLET SIZE	T	W
2' SQUARE	7"	2'-0"
4' SQUARE	7"	4'-0"
5' SQUARE	8"	5'-0"
6' SQUARE	9"	6'-0"

ALL CONCRETE STRUCTURES SHALL BE CLASS F (4200psi, MIN. 6.5 SACK CEMENT). NO FLY ASH IS ALLOWED IN CONCRETE STRUCTURES.

NOTES:

1. MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF NCTCOG STANDARD SPECIFICATIONS FOR STANDARD CONCRETE MANHOLES. MINIMUM CLASS "A" CONCRETE.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACES SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. FOR DETAILS OF REINFORCING OF LOWER PORTIONS OF INLET SEE APPROPRIATE SQUARE MANHOLE DETAILS.
4. DEPTH OF DROP INLET FROM FINISHED GRADE TO FLOW LINE OF INLET IS VARIABLE. APPROXIMATE DEPTH WILL BE SHOWN ON PLANS AT LOCATION OF INLET.
5. ALL STANDARD DROP INLETS SHALL HAVE ONE OPENING ON EACH SIDE UNLESS OTHERWISE SHOWN ON PLANS.
6. DECK MAY BE REINFORCED SAME AS 4' SQUARE MANHOLE.

DROP INLET	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 702
2', 4', 5' OR 6' SQUARE		DATE Mar. 2018 / STANDARD DRAWING NO. R-6040

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Todd Wintters 3-15-2021

TODD WINTTERS DATE

NOTE: NCTCOG DETAILS SHOWN HEREON HAVE BEEN MODIFIED TO INCLUDE THE "CITY OF ROCKWALL UPDATES" AS PUBLISHED IN THE CITY OF ROCKWALL'S UNIFIED DEVELOPMENT CODE. REFER TO THE CITY DOCUMENT FOR EXACT DESCRIPTIONS OF THE UPDATES.

"Case No. SP2019-027"

BENCHMARKS: CITY OF ROCKWALL , TEXAS – CONTROL MONUMENTATION

ROCKWALL MONUMENT "RESET #1 3" BRASS DISK FOUND AT FM 740 (RIDGE ROAD) AND SUMMER LEE DRIVE NEAR NORTHWEST CORNER OF THE PARKING LOT FOR THE COMMUNITY BANK.
N: 7011544.252; E: 2590135.160; ELEVATION: 567.704
BASED ON NAD–83 TX, STATE PLANE, NORTH CENTRAL ZONE.

ENGINEERINGCONCEPTS & DESIGN, L.P.
ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-001145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

REVISIONS:

DRAWN: ECDLP	DATE: January 7, 2020
CHECKED: TW	DATE: January 7, 2020
PROJECT NO.: 5211	
DWG FILE NAME: 13-STORM SEWER DETAILS.DWG	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.

STATE OF TEXAS — TODD D. WINTTERS — 87085 — REGISTERED PROFESSIONAL ENGINEER

STORM SEWER DETAILS
HORIZON ROAD SELF STORAGE
PHASE 1& 2 - 575 UNITS
TRACT 23 OF RAINBOW ACRES
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET 20

Z:\PROJECTS\0521 Rockwall Mini Storage\dwg\SHEETS\13-STORM SEWER DETAILS.dwg-STORM SEWER DETAILS Plotted Mar 05, 2021 at 9:36am by Tony | Last Saved by: Tony