


no.	revision	by	date

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**City of Rockwall**  
*The New Horizon*

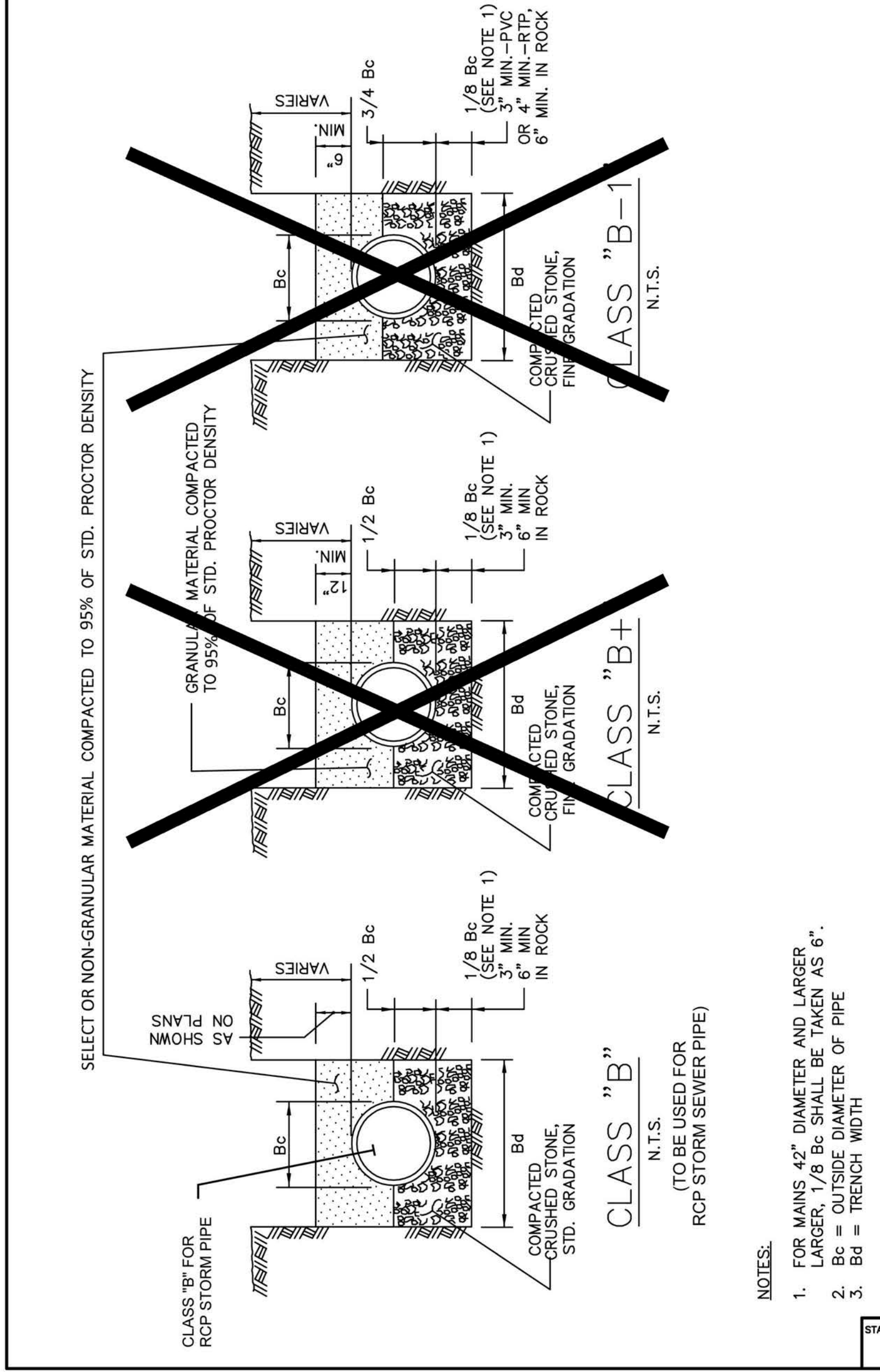
scale  
 when bar is  
 1 inch long  
 horiz  
 N/A  
 vert  
 N/A  
 SEP 2019



**RECORD DOCUMENTS**  
 THESE PLANS ARE FOR THE OWNER'S USE AS RECORD SET OF THE CONSTRUCTED PROJECT, AND REFLECT REVISIONS AND CONSTRUCTION RELATED CHANGES AS RECORDED BY THE CONTRACTOR. CHANGES MADE FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DO NOT DEPORT ENGINEERING AND ARE NOT THE RESPONSIBILITY OF TEAGUE NALL & PERKINS, INC. OR THE ENGINEER OF RECORD ON THE ORIGINAL DOCUMENTS. ORIGINAL PLANS RELEASED FOR CONSTRUCTION WERE SEALED BY GYANENDRA POKHREL, P.E. NO. 118159 ON 09/28/2018.

**CITY OF ROCKWALL, TEXAS**  
**HIGHLAND DRIVE RECONSTRUCTION, PHASE I**  
 (DRIFTWOOD STREET TO BEDFORD FALLS LANE)  
**DRAINAGE DETAILS 2 OF 2**

tnp project  
 RWL18219  
 sheet  
**32**



SELECT OR NON-GRANULAR MATERIAL COMPACTED TO 95% OF STD. PROCTOR DENSITY

CLASS "B" FOR RCP STORM PIPE  
 CLASS "B+"  
 CLASS "B-1"

EMBEDMENT  
 CITY OF ROCKWALL

STANDARD DRAWING NO. R-3020  
 DATE Mar. 2018  
 STANDARD SPECIFICATION REFERENCE 504.5

BILL OF REINFORCING STEEL

DEPTH "D"	OPENING LENGTH "L" = 5ft			OPENING LENGTH "L" = 10ft			OPENING LENGTH "L" = 15 ft			OPENING LENGTH "L" = 20 ft		
	ALL WIDTHS	Widths "W"	Widths "W"	ALL WIDTHS	Widths "W"	Widths "W"	ALL WIDTHS	Widths "W"	Widths "W"	ALL WIDTHS	Widths "W"	Widths "W"
	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL
3'-6"	17	3	4	20	24	28	10	10	20	28	32	36
3'-9"	18	3	4	20	24	28	10	10	20	28	32	36
4'-0"	19	3	4	20	24	28	10	10	20	28	32	36
4'-3"	19	3	4	20	24	28	10	10	20	28	32	36
4'-6"	21	3	4	20	24	28	10	10	20	28	32	36
4'-9"	21	3	4	20	24	28	10	10	20	28	32	36
5'-0"	21	3	4	20	24	28	10	10	20	28	32	36
5'-3"	23	3	4	20	24	28	10	10	20	28	32	36
5'-6"	23	3	4	20	24	28	10	10	20	28	32	36
5'-9"	25	3	4	20	24	28	10	10	20	28	32	36
6'-0"	25	3	4	20	24	28	10	10	20	28	32	36
6'-3"	26	3	4	20	24	28	10	10	20	28	32	36
6'-6"	27	3	4	20	24	28	10	10	20	28	32	36
6'-9"	27	3	4	20	24	28	10	10	20	28	32	36
7'-0"	29	3	4	20	24	28	10	10	20	28	32	36
7'-3"	29	3	4	20	24	28	10	10	20	28	32	36
7'-6"	30	3	4	20	24	28	10	10	20	28	32	36
7'-9"	31	3	4	20	24	28	10	10	20	28	32	36
8'-0"	31	3	4	20	24	28	10	10	20	28	32	36
8'-3"	32	3	4	20	24	28	10	10	20	28	32	36
8'-6"	33	3	4	20	24	28	10	10	20	28	32	36
8'-9"	34	3	4	20	24	28	10	10	20	28	32	36
9'-0"	35	3	4	20	24	28	10	10	20	28	32	36
9'-3"	36	3	4	20	24	28	10	10	20	28	32	36
9'-6"	37	3	4	20	24	28	10	10	20	28	32	36
10'-0"	38	3	4	20	24	28	10	10	20	28	32	36

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

BILL OF REINFORCING STEEL  
 CITY OF ROCKWALL

STANDARD DRAWING NO. R-6020D  
 DATE Mar. 2018  
 STANDARD SPECIFICATION REFERENCE 702

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 STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL	CONC STEEL
3'-6"	2.62	3.06	2.95	3.32	3.28	3.73	4.12	4.79	4.64	5.21	5.20	5.64
3'-9"	2.70	3.09	3.04	3.41	3.39	3.73	4.25	4.94	4.78	5.36	5.34	5.79
4'-0"	2.78	3.28	3.14	3.64	3.49	3.99	4.38	5.18	4.92	5.65	5.49	6.05
4'-3"	2.87	3.34	3.23	3.70	3.59	4.06	4.51	5.26	5.06	5.73	5.64	6.22
4'-6"	2.95	3.56	3.32	3.94	3.69	4.31	4.64	5.58	5.20	6.07	5.89	6.40
4'-9"	3.03	3.61	3.41	4.10	3.79	4.38	4.77	5.66	5.34	6.16	5.94	6.65
5'-0"	3.12	3.67	3.51	4.16	3.90	4.45	4.90	5.74	5.47	6.24	6.09	6.74
5'-3"	3.20	3.83	3.60	4.24	4.00	4.65	5.03	6.00	5.61	6.52	6.23	7.04
5'-6"	3.28	3.89	3.69	4.30	4.10	4.72	5.16	6.08	5.75	6.61	6.33	7.11
5'-9"	3.37	4.05	3.78	4.51	4.20	4.95	5.29	6.35	5.89	6.90	6.53	7.44
6'-0"	3.45	4.15	3.88	4.60	4.30	5.04	5.42	6.46	6.03	7.02	6.68	7.45
6'-3"	3.53	4.25	3.97	4.70	4.41	5.15	5.55	6.61	6.17	7.18	6.83	7.73
6'-6"	3.62	4.37	4.06	4.86	4.51	5.32	5.68	6.81	6.31	7.39	6.97	7.97
6'-9"	3.70	4.41	4.15	4.90	4.61	5.37	5.81	6.88	6.45	7.47	7.12	8.06
7'-0"	3.78	4.60	4.25	5.10	4.71	5.60	5.94	7.16	6.59	7.77	7.27	8.37
7'-3"	3.86	4.65	4.34	5.16	4.81	5.67	6.07	7.24	6.72	7.85	7.42	8.46
7'-6"	3.95	4.77	4.43	5.29	4.91	5.70	6.20	7.42	6.86	8.04	7.57	8.66
7'-9"	4.03	4.91	4.53	5.44	5.02	5.97	6.33	7.62	7.00	8.26	7.71	8.90
8'-0"	4.12	4.96	4.62	5.50	5.12	6.04	6.46	7.70	7.14	8.34	7.86	8.99
8'-3"	4.20	5.04	4.71	5.59	5.22	6.13	6.59	7.84	7.28	8.49	8.01	9.04
8'-6"	4.28	5.19	4.80	5.76	5.32	6.32	6.71	8.04	7.42	8.71	8.16	9.38
8'-9"	4.37	5.28	4.90	5.86	5.42	6.43	6.84	8.19	7.56	8.86	8.31	9.54
9'-0"	4.45	5.45	4.99	6.05	5.53	6.64	6.97	8.42	7.70	9.12	8.46	9.82
9'-3"	4.53	5.54	5.08	6.14	5.63	6.74	7.10	8.58	7.84	9.29	8.60	9.99
9'-6"	4.62	5.68	5.17	6.30	5.73	6.92	7.23	8.78	7.97	9.50	8.75	10.22
10'-0"	4.78	5.82	5.36	6.45	5.93	7.08	7.49	9.00	8.11	9.74	9.05	10.48

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

BILL OF REINFORCING STEEL  
 CITY OF ROCKWALL

STANDARD DRAWING NO. R-6020E  
 DATE Mar. 2018  
 STANDARD SPECIFICATION REFERENCE 702

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

SUMMARY OF QUANTITIES