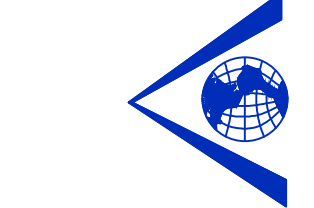


Revision	Date	Description

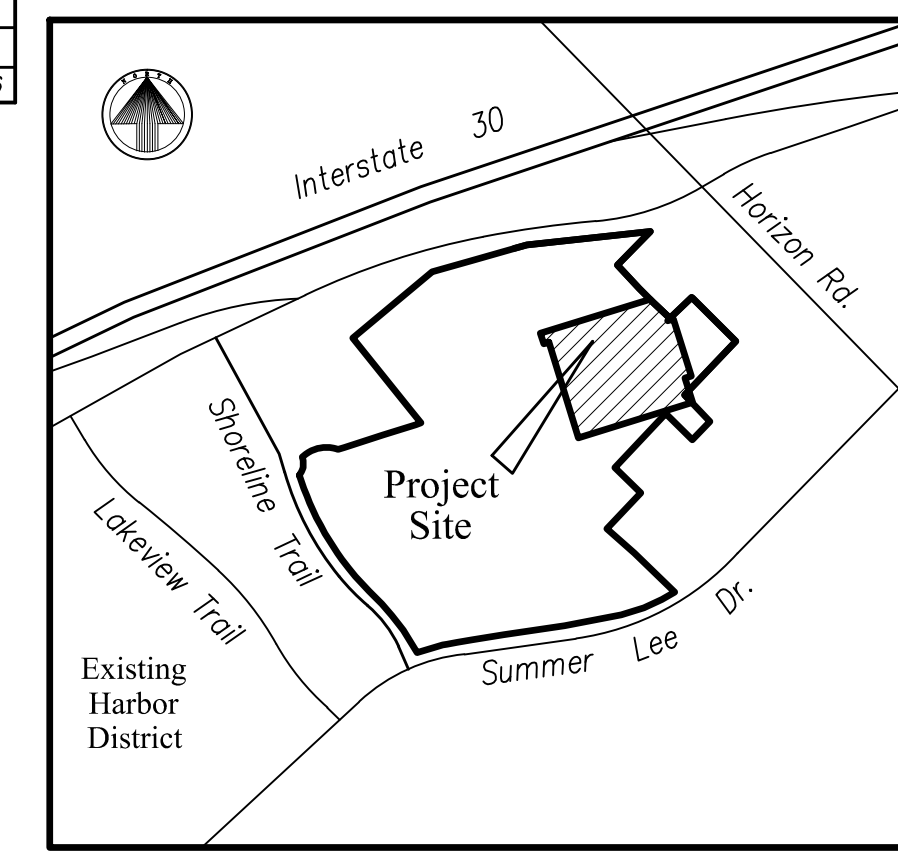
Owner:
Harbor Heights Investors L.P.
 #2 Horizon Court • Heath, Texas 75032 • 469-772-9400

Trend Tower at the Harbor
 Rockwall, Texas

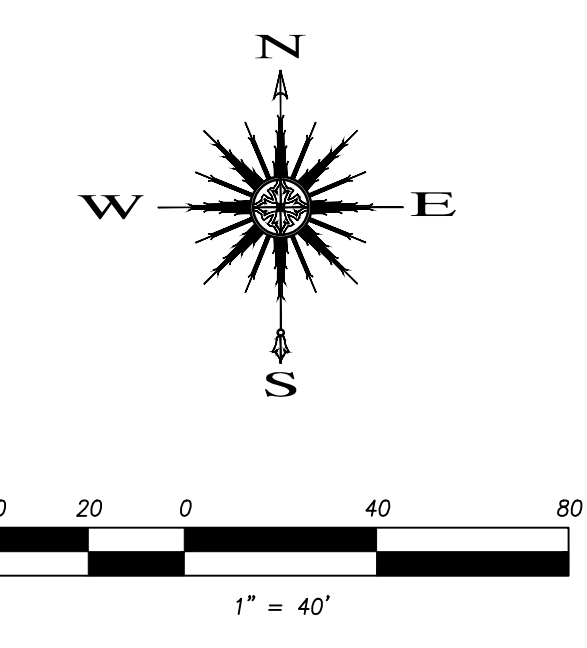
~ Civil Engineer ~
F.C. CUNY CORPORATION
 #2 Horizon Court • Heath, Texas 75032 • (469) 402-7700
 Texas Registered Engineering Firm F-7449



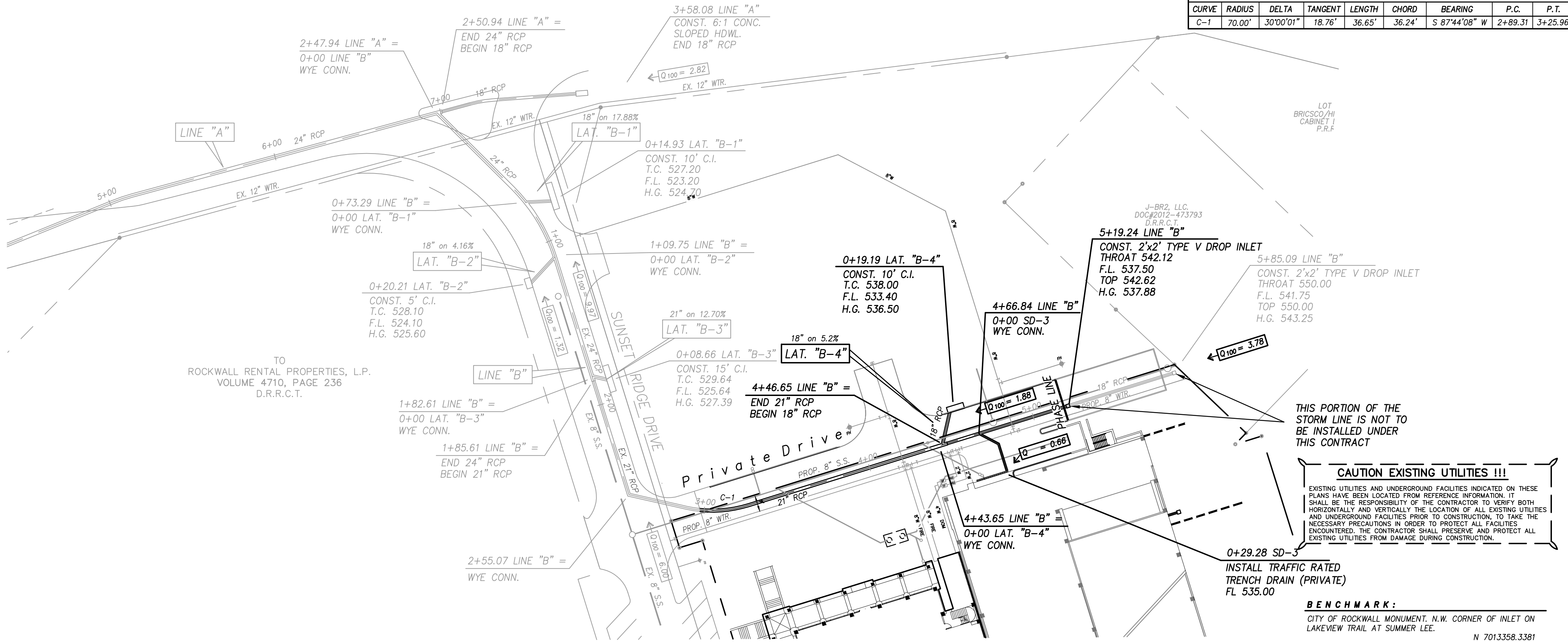
05/09/2014
 Drawn By: F.C. CUNY
 Checked By: F.C. CUNY
 Date: 05/12
 Project No.:
 Sheet Title:
Storm Sewer Plan and Profile
 Scale: Sheet No.:
 1"=40' 9 of 11



LOCATION MAP

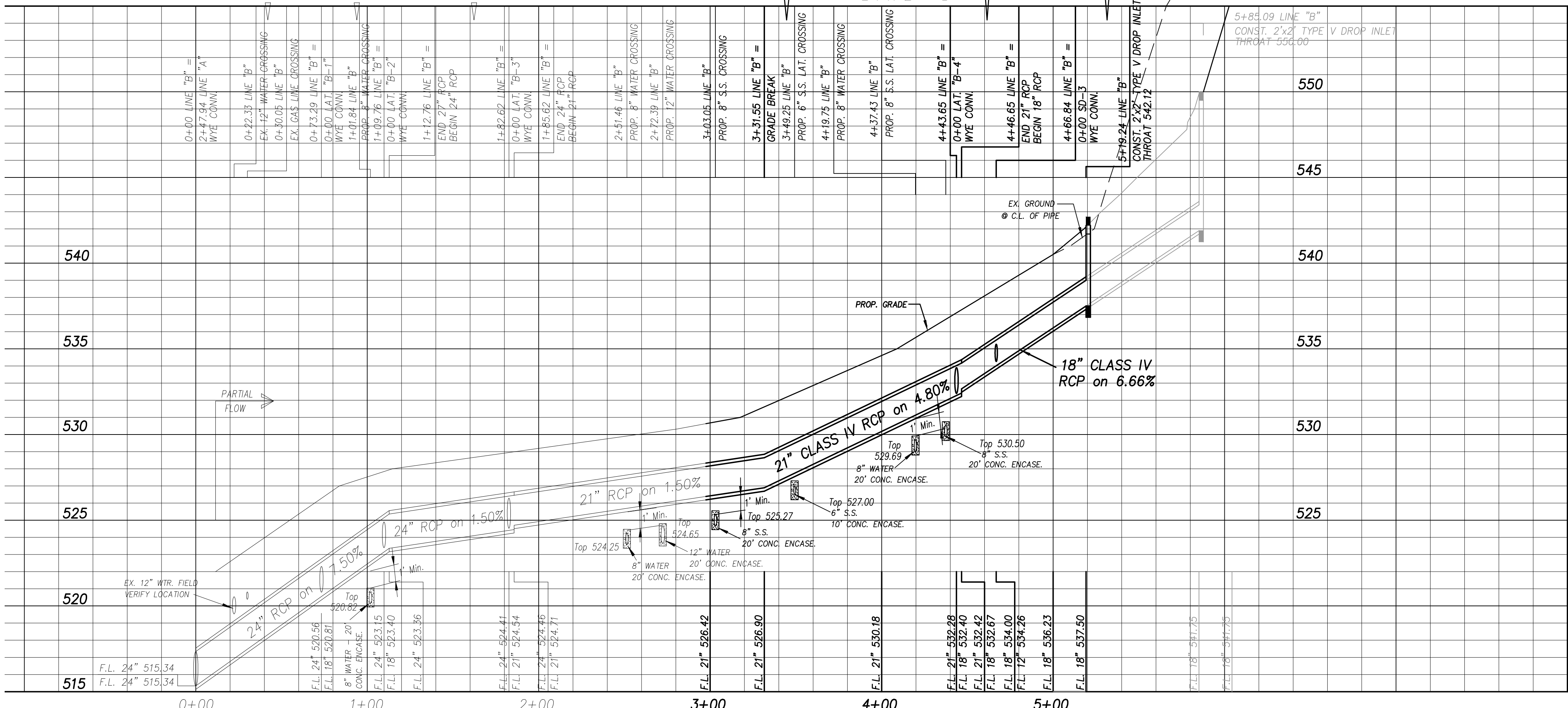


CURVE DATA								
CURVE	RADIUS	DELTA	TANGENT	LENGTH	CHORD	BEARING	P.C.	P.T.
C-1	70.00'	30°00'01"	18.76'	36.65'	36.24'	S 87°44'08" W	2+89.31	3+25.96



TO
 ROCKWALL RENTAL PROPERTIES, L.P.
 VOLUME 4710, PAGE 236
 D.R.R.C.T.

24" RCP	24" RCP	24" RCP	21" RCP	18" RCP	18" RCP
Q = 29.37 cfs	Q = 19.40 cfs	Q = 18.08 cfs	Q = 6.32 cfs	Q ₁₀₀ = 4.44 cfs	Q ₁₀₀ = 3.78 cfs
s = 0.0009 ft/ft	s = 0.0039 ft/ft	s = 0.0063 ft/ft	s = 0.0016 ft/ft	s = 0.0017 ft/ft	s = 0.0013 ft/ft
v _{max} = 7.39 fps	v _{max} = 4.88 fps	v _{max} = 5.76 fps	v _{max} = 19.41 fps	v _{max} = 2.52 fps	v _{max} = 2.16 fps
v _{normal} = 19.41 fps	v _{normal} = 17.33 fps	v _{normal} = 9.41 fps	v _{normal} = 0.92 ft	h _v = 0.09 ft	h _v = 0.07 ft
d _{normal} = 0.92 ft	d _{normal} = 0.74 ft	d _{normal} = 1.18 ft	h _v = 0.85 ft	Q _{cap} = 34.80 cfs	Q _{cap} = 27.18 cfs
h _v = 0.85 ft	h _v = 0.37 ft	h _v = 0.51 ft	Q _{cap} = 85.04 cfs		
Q _{cap} = 85.04 cfs	Q _{cap} = 85.04 cfs	Q _{cap} = 27.71 cfs			



SCALE: H: 1"=40'
 V: 1"=4'

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