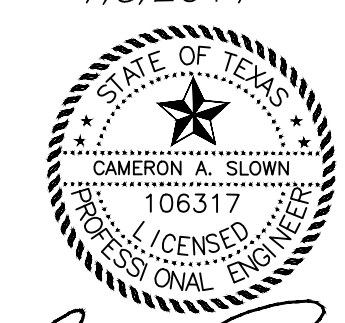


Revision	Date	Description

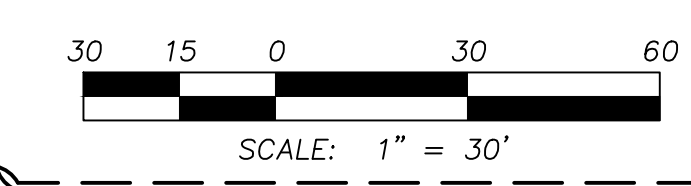
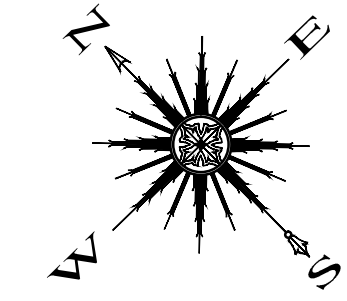
Owner:  
**TEKMAK Development Company**  
 10000 N. Central Expressway, Suite 400  
 Dallas, TX 75231  
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**SPRINGHILL SUITES**  
 Marriott

~ Civil Engineer ~  
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 Texas Registered Engineering Firm F-7449

7/5/2017  
  
 Drawn By: F.C. CUNY  
 Checked By: F.C. CUNY  
 Date: 05/15  
 Project No.: -  
 Sheet Title:

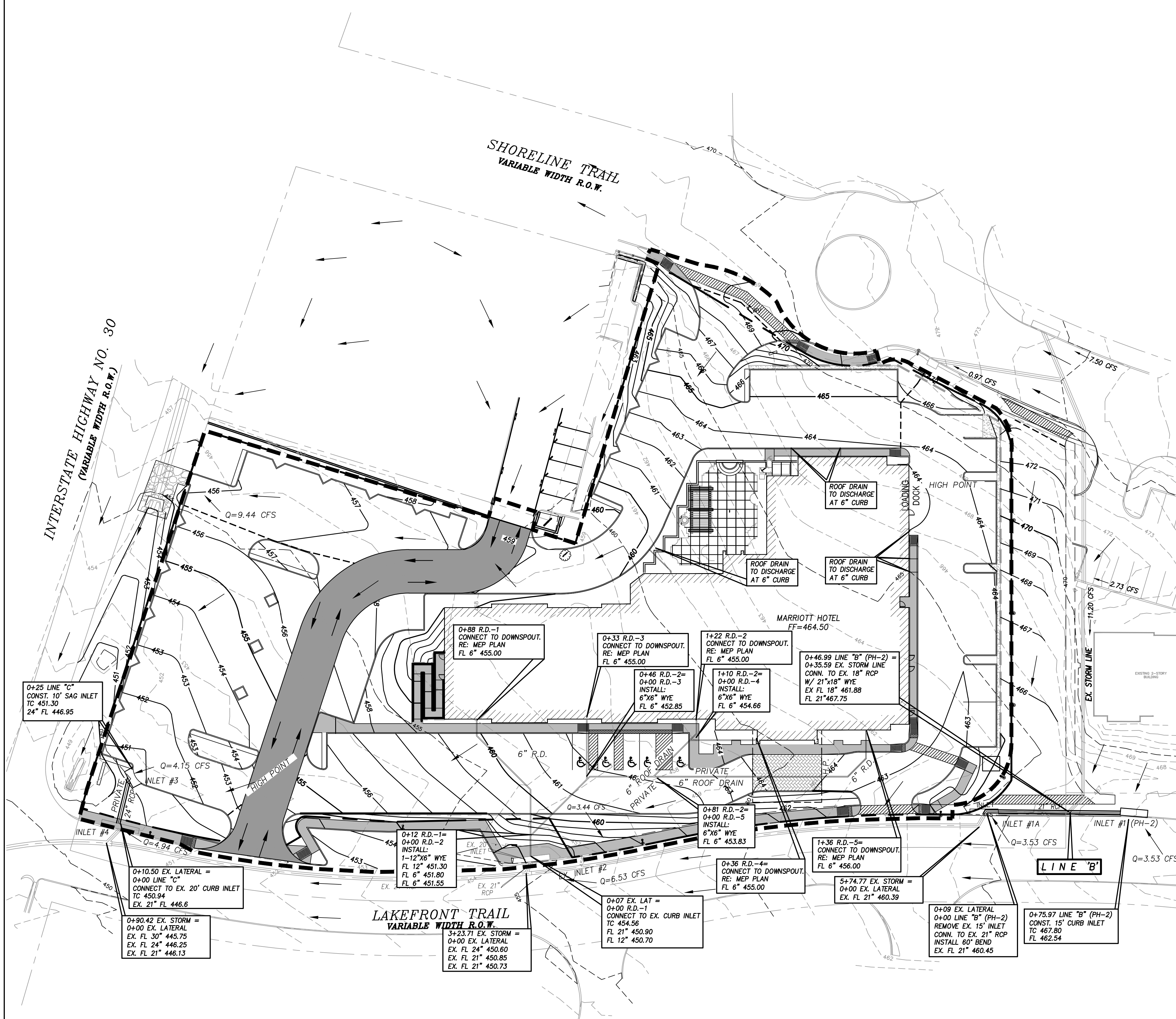
**Storm Sewer Plan**  
 Scale: 1" = 30'  
 Sheet No.: 9 of 11



**CAUTION EXISTING UTILITIES !!!**  
 CALL TEXAS 811!!! EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION. TO TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

**LEGEND**

---	PROPERTY LINE
- - - -	EXISTING CONTOUR
— 465 —	PROPOSED CONTOUR
→	DRAINAGE FLOW DIRECTION
- - - -	PHASE I LIMITS



Station	Proposed Grade	Proposed HGL	Notes
0+00	450.94	450.94	EX. 21" RCP INLET #4
0+05	451.30	451.30	EX. 24" RCP INLET #3
0+10	451.55	451.55	0+10.50 EX. LATERAL = 0+00 EX. LATERAL TO EX. 20" CURB INLET TO 450.94 EX. 21" FL 446.6
0+15	451.80	451.80	0+12 R.D.-1 = 0+00 R.D.-2 INSTALL: 1-12" X 6" WYE FL 12" 451.30 FL 6" 451.80 EX. FL 21" 446.13
0+20	452.85	452.85	0+46 R.D.-2 = 0+00 R.D.-3 INSTALL: 6" X 6" WYE FL 6" 452.85
0+25	454.66	454.66	1+10 R.D.-2 = 0+00 R.D.-4 INSTALL: 6" X 6" WYE FL 6" 454.66
0+30	455.00	455.00	0+33 R.D.-3 = 0+00 R.D.-3 CONNECT TO DOWNSPOUT. RE: MEP PLAN FL 6" 455.00
0+35	455.00	455.00	0+46.99 LINE "B" (PH-2) = 0+35.59 EX. STORM LINE CONN. TO EX. 18" RCP W/ 21" X 18" WYE EX FL 18" 461.88 FL 21" 467.75
0+40	455.00	455.00	0+81 R.D.-2 = 0+00 R.D.-5 INSTALL: 6" X 6" WYE FL 6" 453.83
0+45	455.00	455.00	0+36 R.D.-4 = 0+00 R.D.-4 CONNECT TO DOWNSPOUT. RE: MEP PLAN FL 6" 455.00
0+50	456.00	456.00	1+36 R.D.-5 = 0+00 EX. LATERAL FL 6" 456.00
0+55	460.39	460.39	5+74.77 EX. STORM = 0+00 EX. LATERAL EX. FL 21" 460.39
0+60	460.45	460.45	0+09 EX. LATERAL 0+00 LINE "B" (PH-2) REMOVE EX. 15" INLET CONN. TO EX. 21" RCP INSTALL 60" BEND EX. FL 21" 460.45
0+65	462.54	462.54	0+75.97 LINE "B" (PH-2) CONST. 15" CURB INLET TO 467.80 FL 462.54
0+70	465.00	465.00	24" CLASS III RCP on 1.20%
0+75	465.00	465.00	21" CLASS IV RCP on 2.75%
0+80	465.00	465.00	21" RCP Q = 14.73 cfs Q <sub>cap</sub> = 26.28 cfs s = 0.0008 ft/ft v = 6.12 fps hv = 0.58 ft
0+85	465.00	465.00	21" RCP Q = 3.53 cfs Q <sub>cap</sub> = 26.28 cfs s = 0.0008 ft/ft v = 1.47 fps hv = 0.03 ft
0+90	465.00	465.00	24" RCP Q = 4.15 cfs Q <sub>cap</sub> = 24.78 cfs s = 0.0003 ft/ft v = 1.32 fps hv = 0.03 ft
0+95	465.00	465.00	24" CLASS III RCP on 1.20%
1+00	465.00	465.00	24" CLASS III RCP on 1.20%

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