



### LEGEND

- PROP. BUILDING PAD LOCATION
- XX.X'— EXISTING CONTOUR

**NOTE:**

1. MINIMUM PAD FINISHED FLOOR ELEVATION IS REQUIRED TO BE A MINIMUM OF 2.0' ABOVE THE 100-YEAR FLOODPLAIN AND IS BASED ON FEMA FIRM 48039C04305, REVISED ON 12/30/2020. (FLOODPLAIN MAPS ARE SUBJECT TO CHANGE.)
2. ANY FILL WITHIN THE 100-YEAR FLOODPLAIN REQUIRES COMPENSATING EXCAVATION AT A MINIMUM RATIO OF 1:1. CONTRACTOR SHALL EXCAVATE MATERIAL WITHIN THE 100-YR FLOODPLAIN PRIOR TO PLACING FILL WITHIN THE 100-YR FLOODPLAIN.
3. ONSITE DETENTION WILL BE REQUIRED FOR ALL SITE IMPROVEMENTS WHICH INCREASE THE IMPERVIOUS COVER ON EACH TRACT, INCLUDING BUT NOT LIMITED TO:
  - ROADS & DRIVEWAYS
  - HOUSES & SHEDS
  - POOLS
  - SIDEWALK
  - ANY OTHER IMPERVIOUS IMPROVEMENTS
4. TO DETERMINE REQUIRED TOTAL DETENTION USE:
  - $[(AVG. \% IMPERVIOUSNESS\ OF\ PROPERTY/100)^{1/2}]^2 * (AREA\ OF\ PROPERTY)$

FLOODPLAIN MITIGATION TABLE							
PAD NUMBER	1	2	3	4	5	6	7
TRACT AC.	12.00	15.74	12.23	12.10	11.90	12.00	12.00
MIN. FLOOR ELEV. (FT)	36.26	34.94	34.84	34.69	34.7	34.75	34.83
PROP. PAD SIZE (SF)	APPROXIMATE FILL (FT <sup>3</sup> )						
2000	3,340	640	400	620	880	1,560	1,280
3000	5,010	960	600	930	1,320	2,340	1,920
4000	6,680	1,280	800	1,240	1,760	3,120	2,560
5000	8,350	1,600	1,000	1,550	2,200	3,900	3,200

REQUIRED DETENTION							
PAD NUMBER	1	2	3	4	5	6	7
TRACT AC.	12.00	15.74	12.23	12.10	11.90	12.00	12.00
PROP. IMPERVIOUS IMP. (SF)	REQUIRED DETENTION (AC-FT)						
2000	0.74	0.85	0.75	0.75	0.74	0.74	0.74
3000	0.91	1.04	0.92	0.91	0.91	0.91	0.91
4000	1.05	1.20	1.06	1.05	1.05	1.05	1.05
5000	1.17	1.34	1.18	1.18	1.17	1.17	1.17
10,000	1.66	1.90	1.68	1.67	1.65	1.66	1.66
15,000	2.03	2.33	2.05	2.04	2.02	2.03	2.03
20,000	2.35	2.69	2.37	2.36	2.34	2.35	2.35

## FM 521 - BUILDING PAD EXHIBIT

DATE: MARCH 2021  
SCALE: 1" = 150'

