

# The Crossing

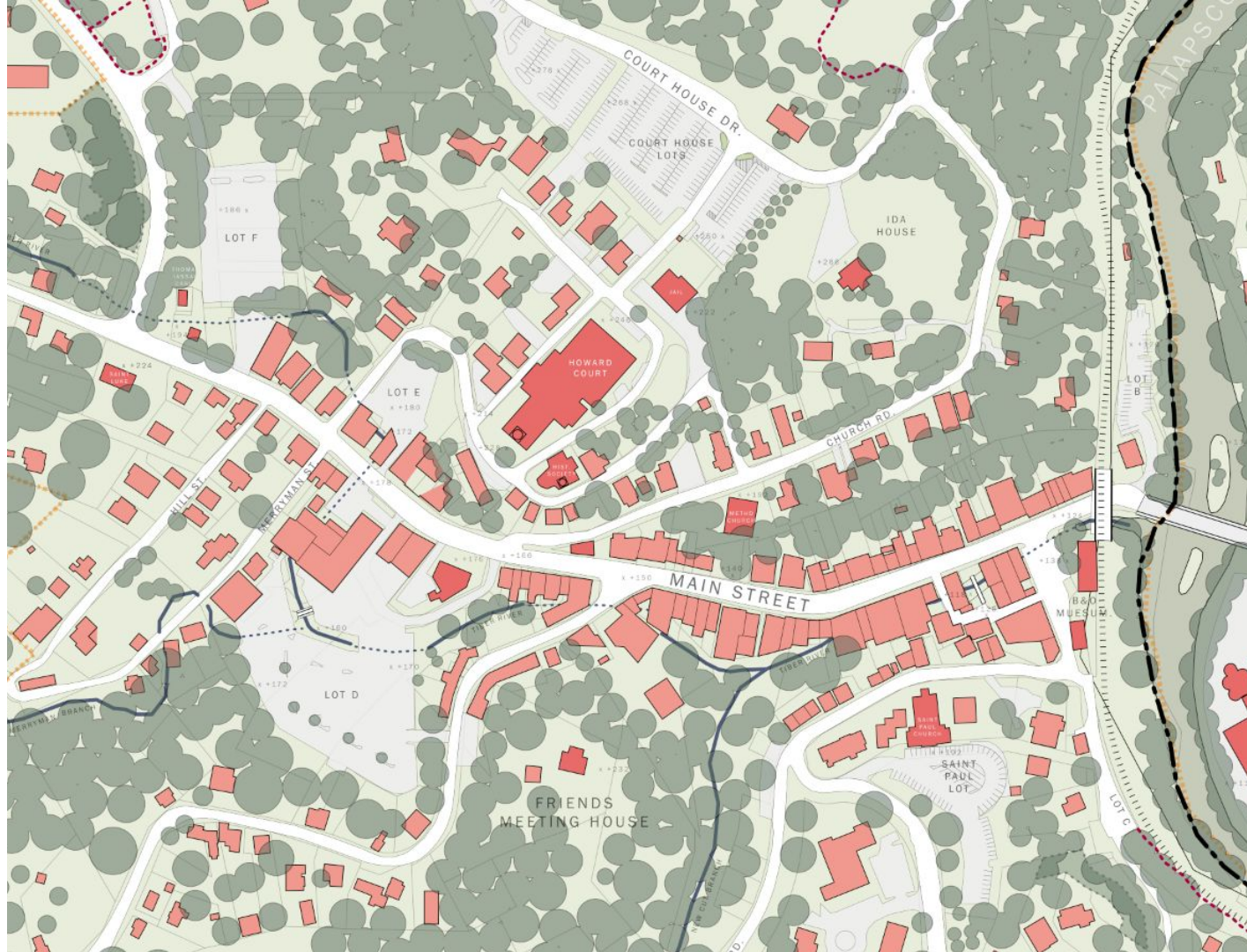
Under the Supervision of: Professor Jana VanderGoot  
ARCH 700: Urban Design Studio VII  
The University of Maryland- College Park  
Fall 2015

PALS- Partnership for Action Learning in Sustainability  
An initiative of the National Center for Smart Growth  
Gerrit Knapp, NCSG Executive Director  
Uri Avin, PALS Director



## THE CROSSING | ELLICOTT CITY, MARYLAND

MATTHEW BENDER | ROBERT KUENTZEL | KARA JOHNSTON | CHRIS LEE | ANDREW O'BROCHTA



EXISTING



## THE CROSSING

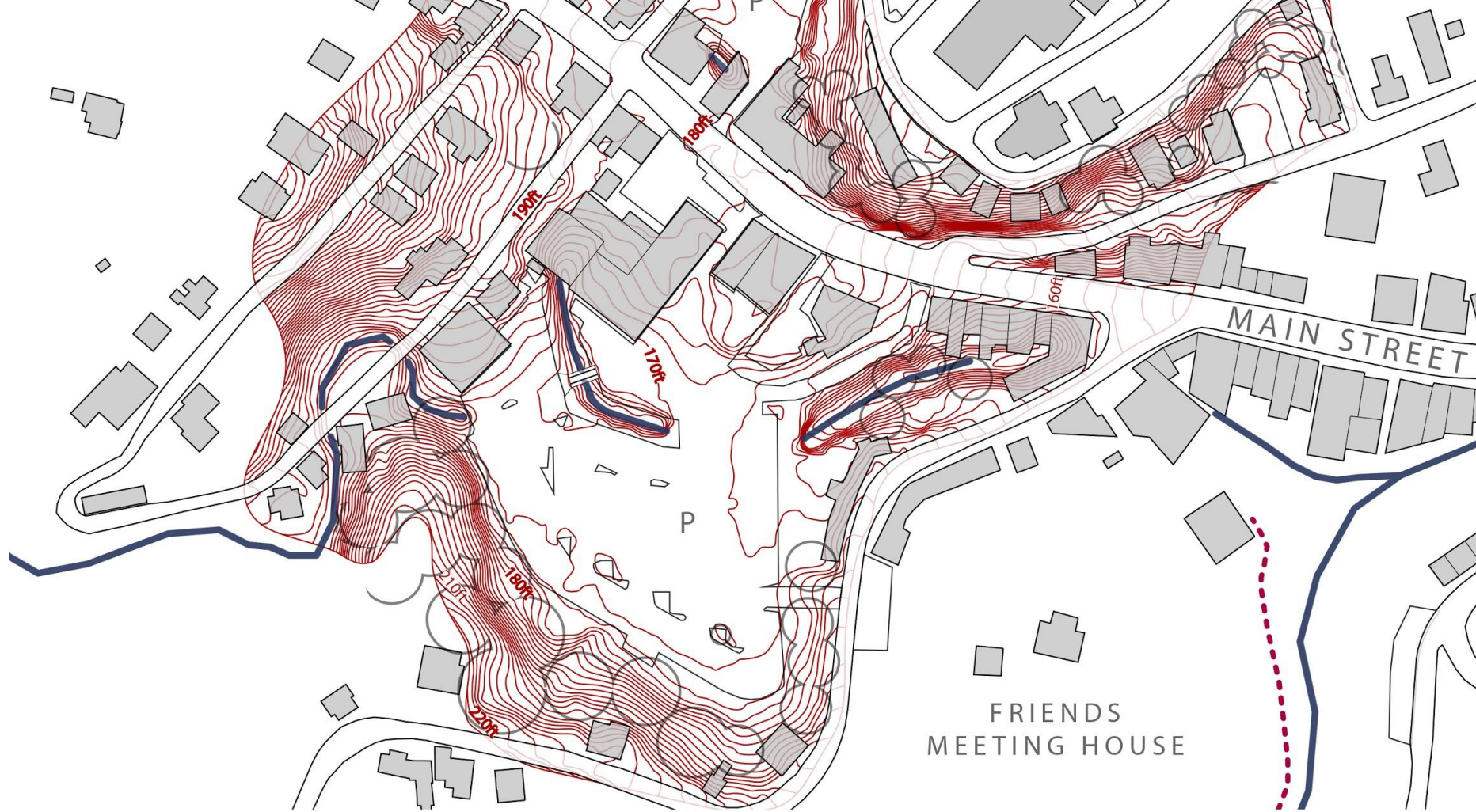




THE CROSSING





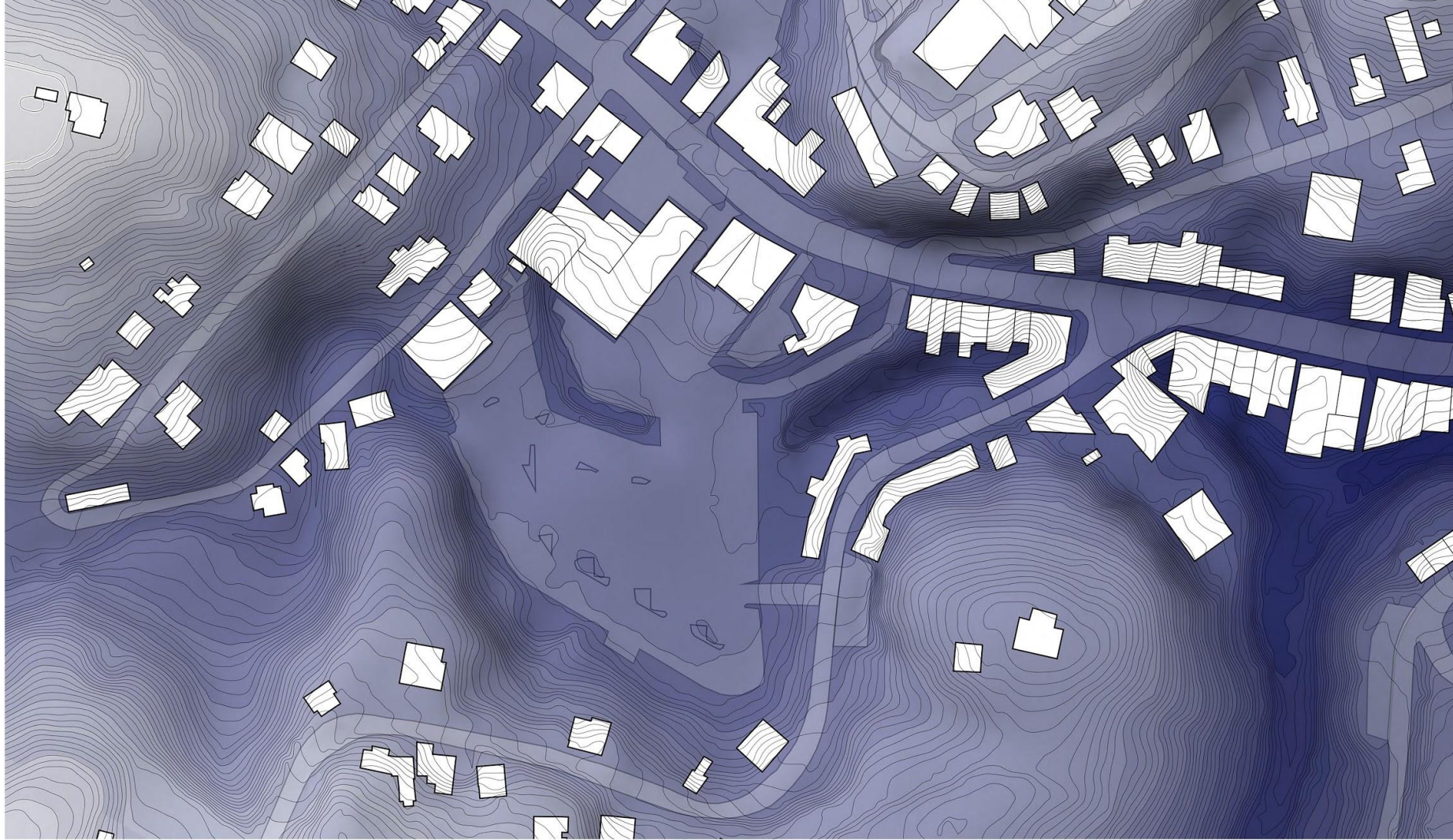


ELLCOTT CITY

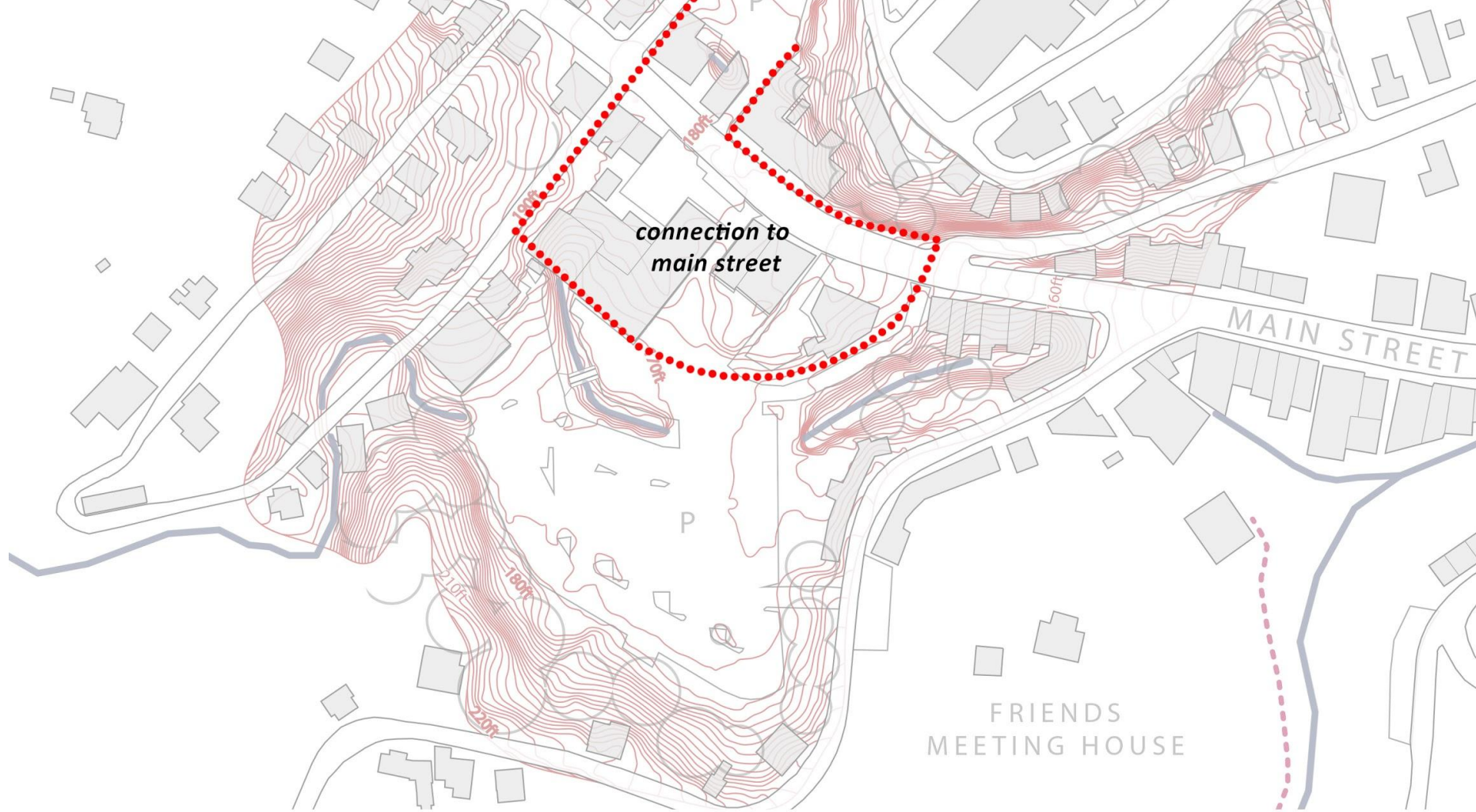
THE CR

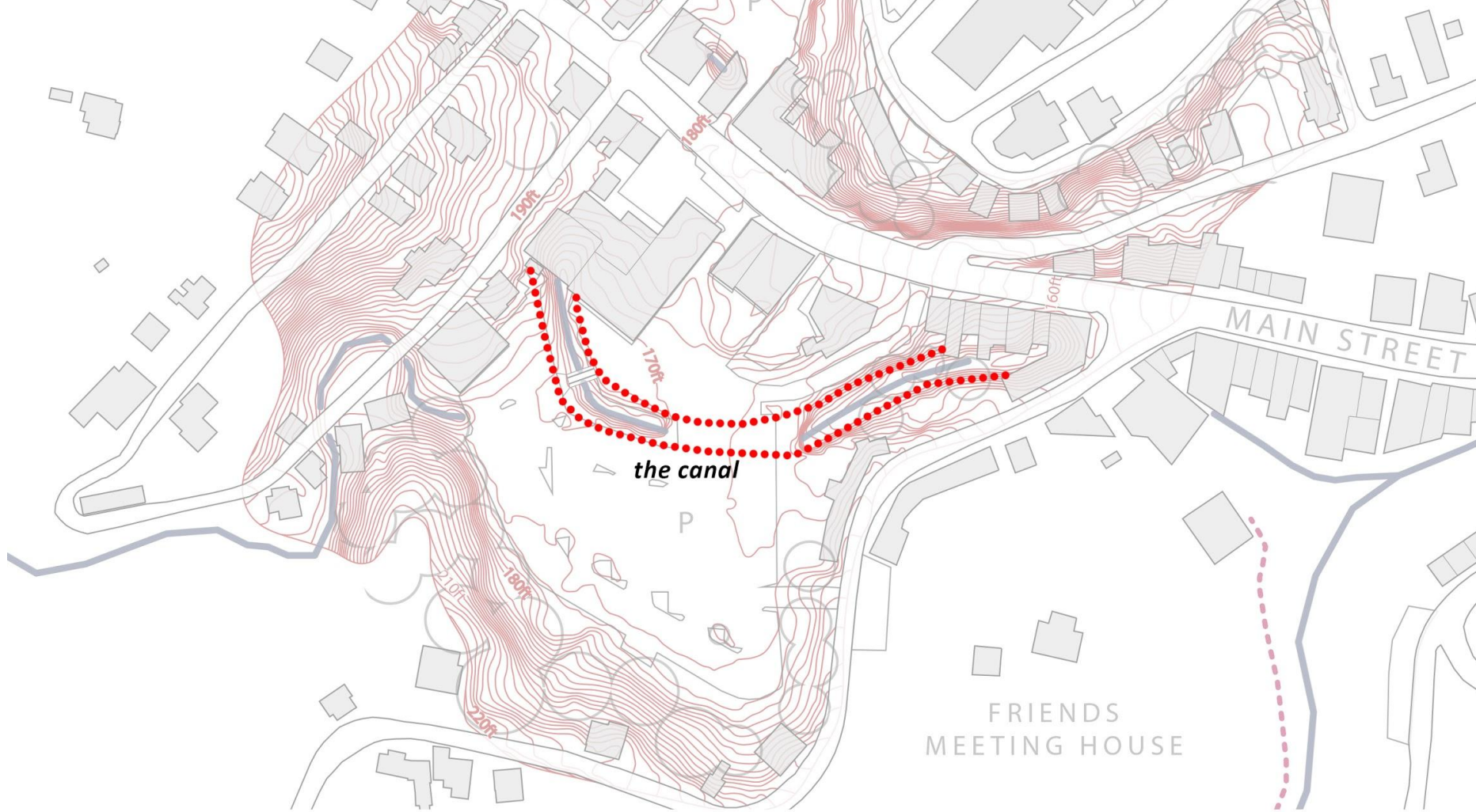




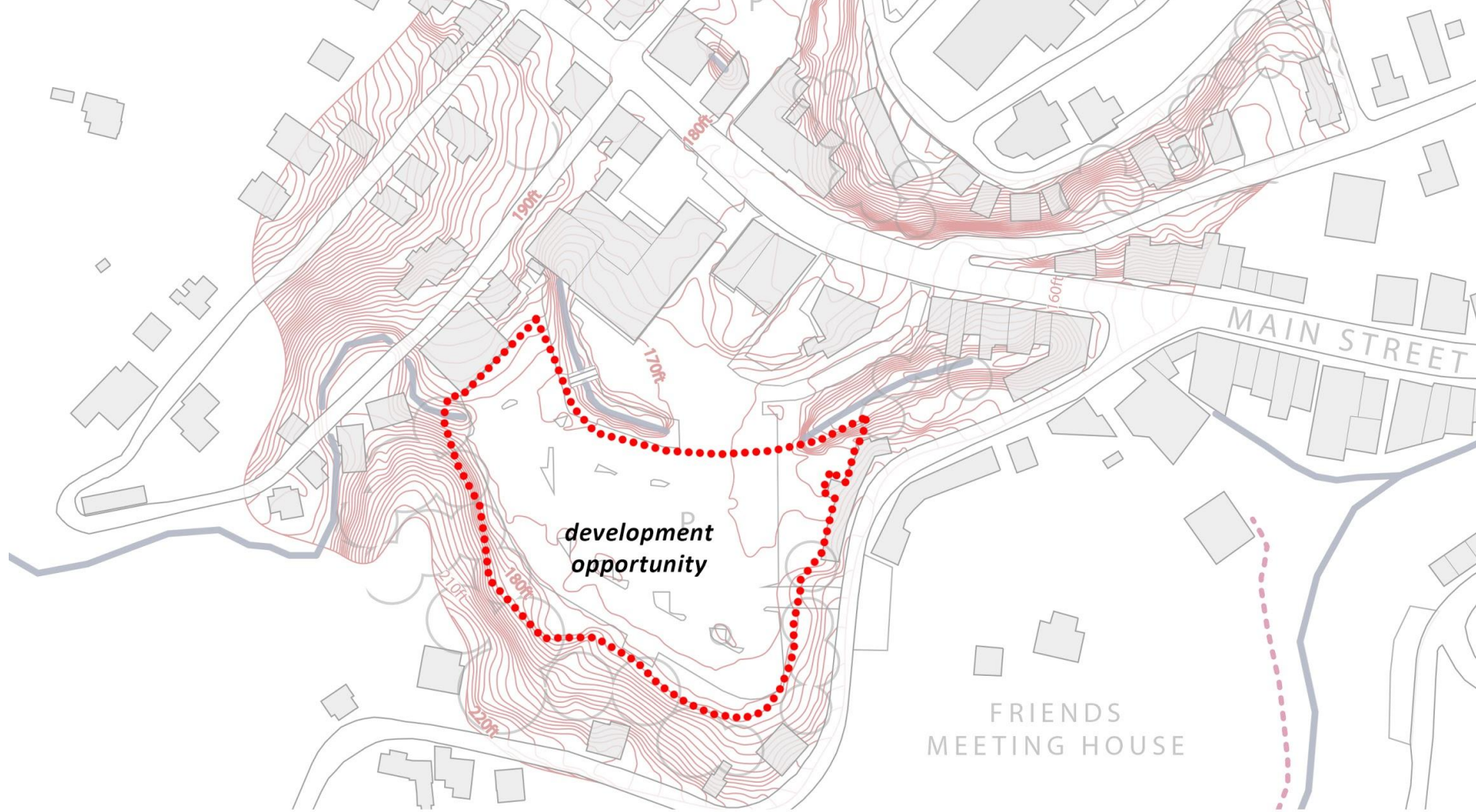






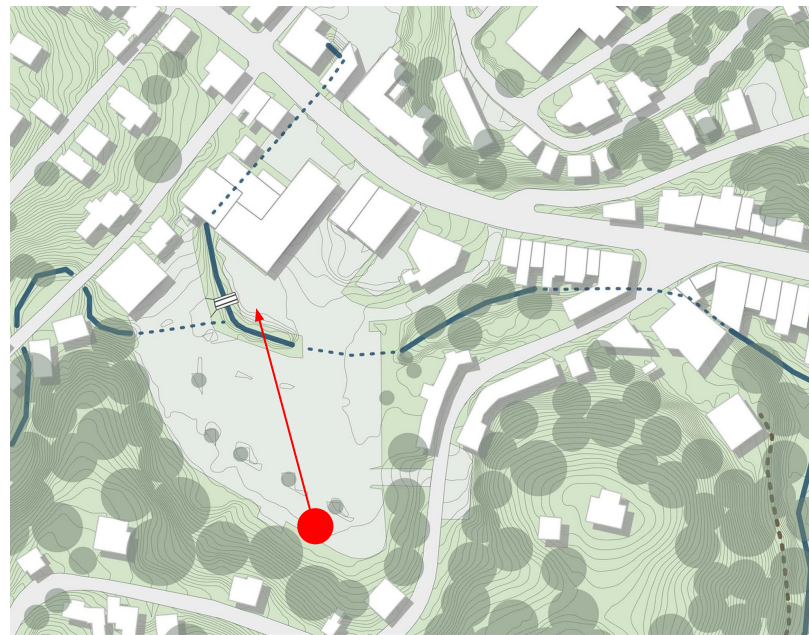












PARKING



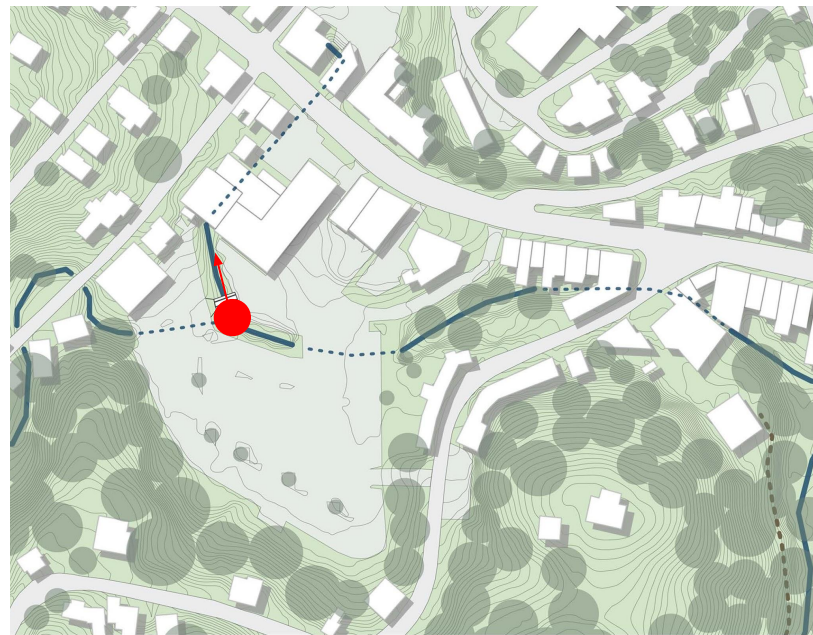


Front/back relationship

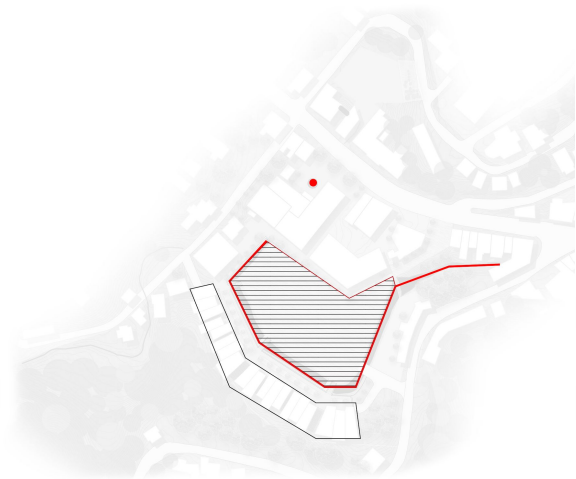


TONGUE ROW





CREEK



Parti 1



Parti 2



Parti 3



Approach 1



Approach 2



Approach 3

# *Open Plaza Scheme*

*approach 1*





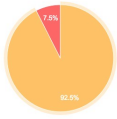
Approach 1



Approach 2



Approach 3



retail  
residential

112  
units

255

460

parking spots



mitigated water  
non-mitigated water



approach 1



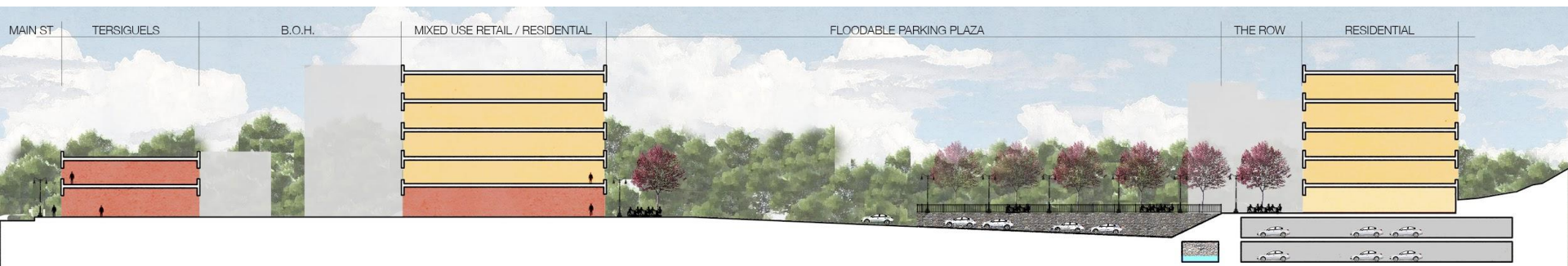


approach 1





approach 1



approach 1





approach 1

## Total Parking

255 Existing

220 New Spots

**460 Spots**

255

460

Residential Platform

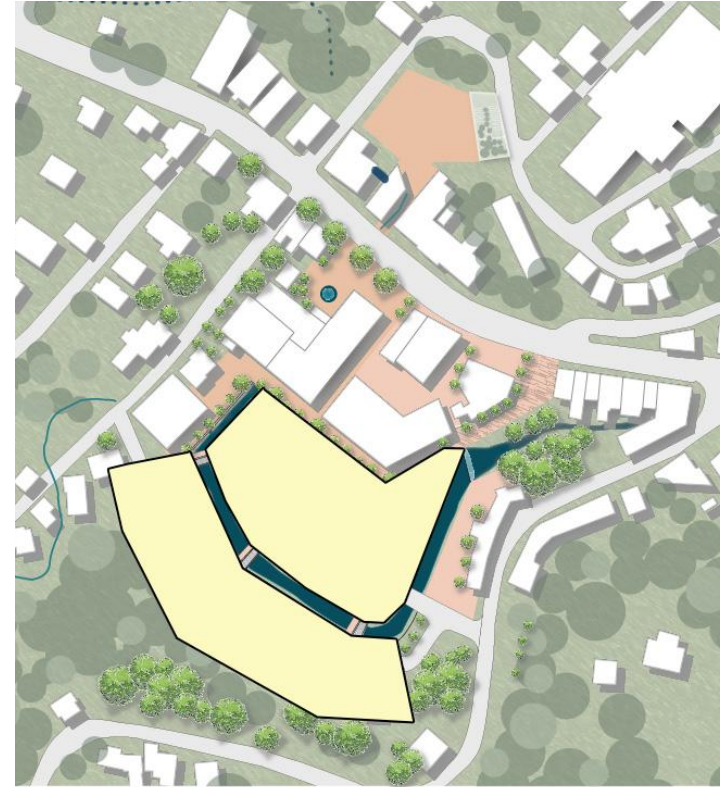
Parking Level 1  
180 Spots

Entry/  
Exit

Parking Plaza  
100 Spots

Entry/  
Exit

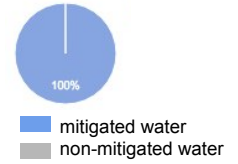
Parking Level -1  
180 Spots



approach 1



# WATER MITIGATION



typical

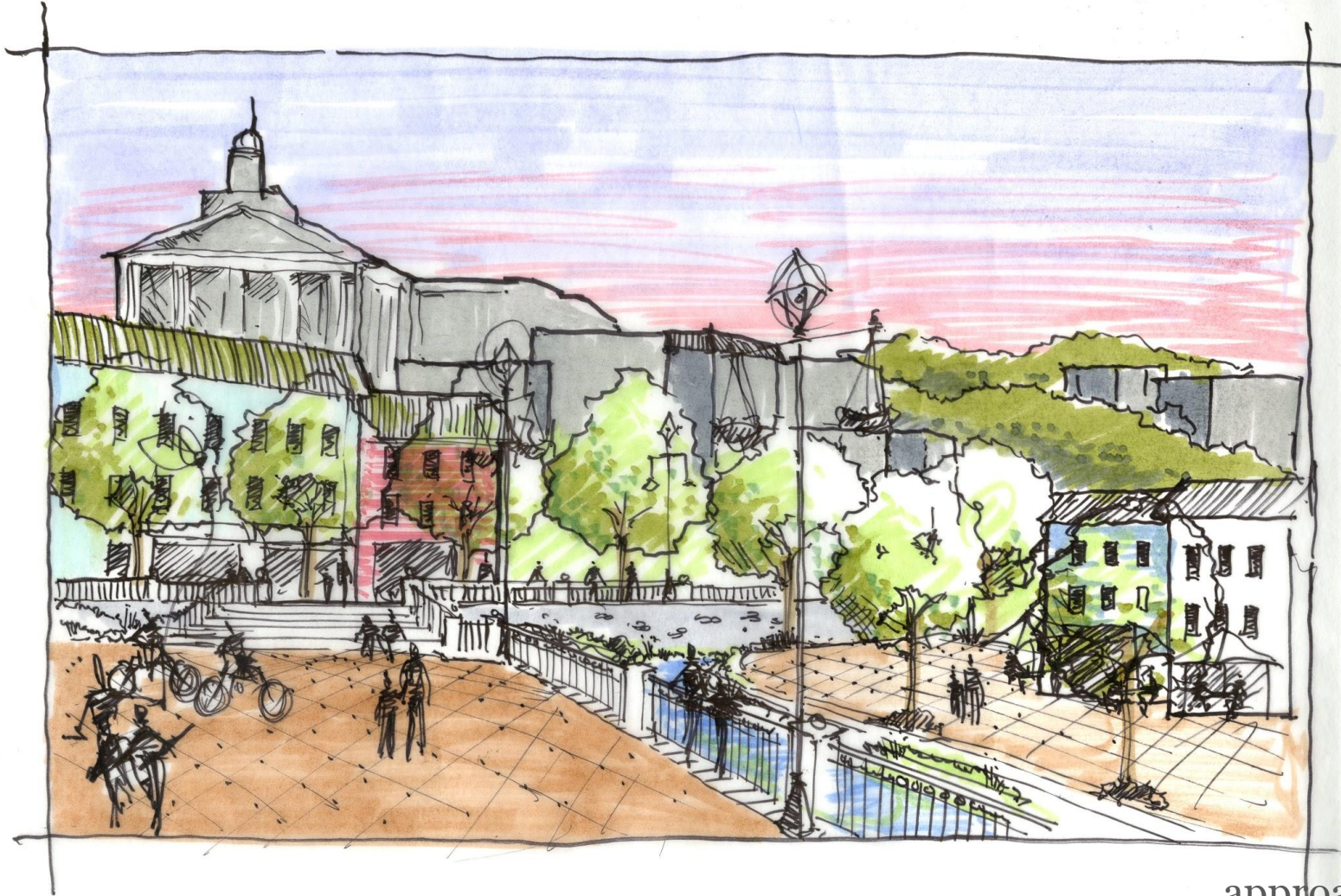
medium storm event

extreme storm event

approach 1







approach 1

# Creek Promenade

approach 2





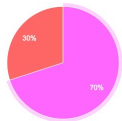
Approach 1



Approach 2



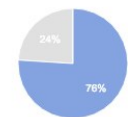
Approach 3



retail  
office

255

375  
parking spots

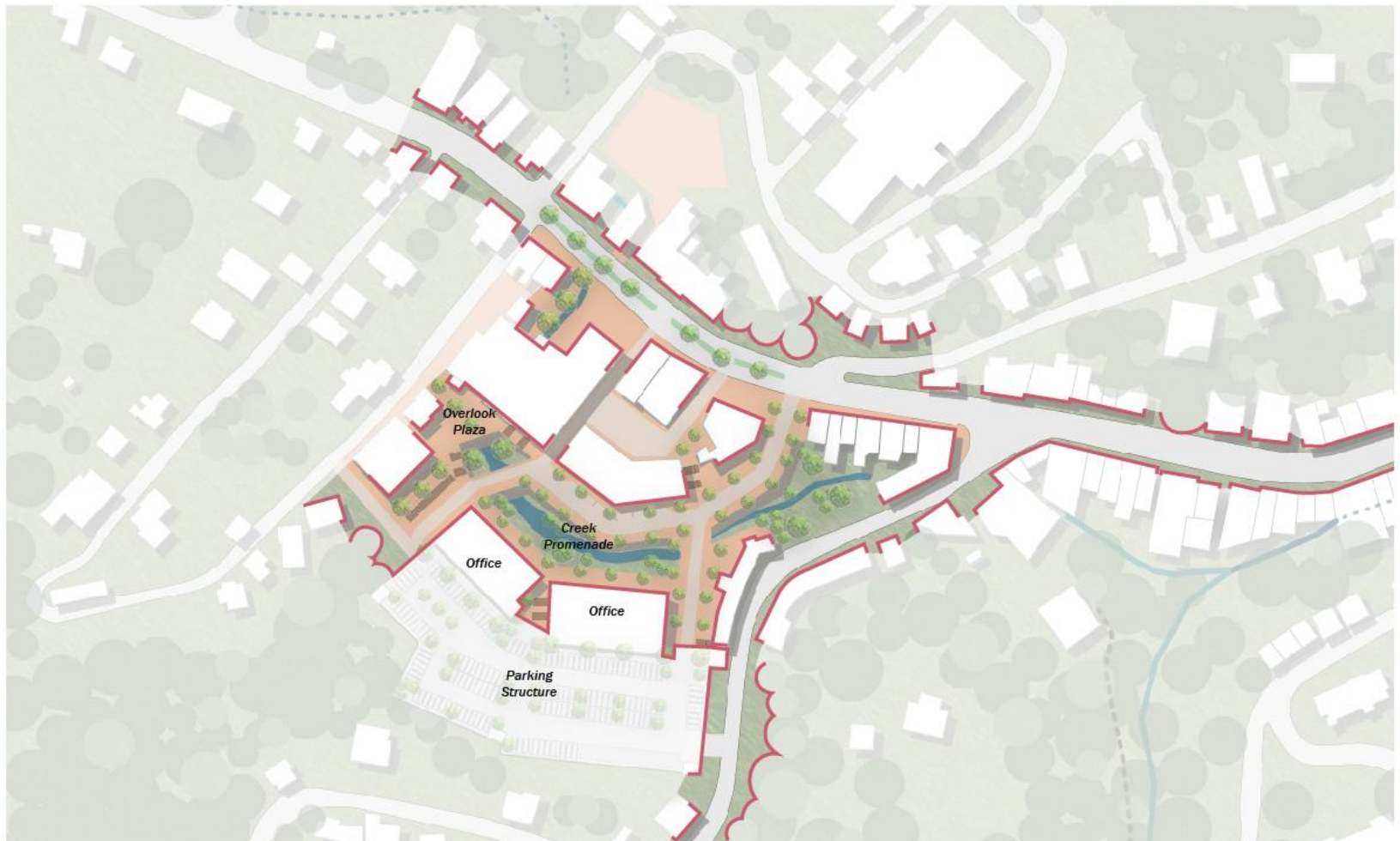


mitigated water  
non-mitigated water



approach 2





approach 2



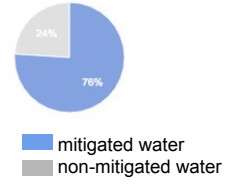
approach 2





approach 2

## WATER MITIGATION



typical



two lower levels of  
parking flood

approach 2

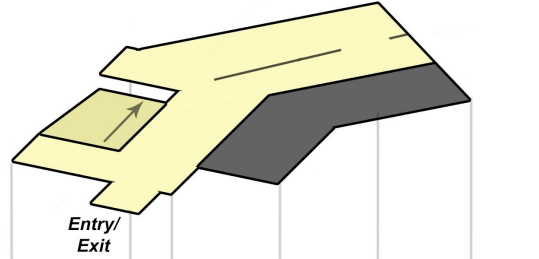


**Total Parking**  
255 Existing  
120 New Spots  
**375 Spots**

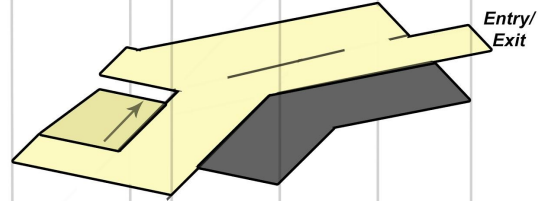
255

375

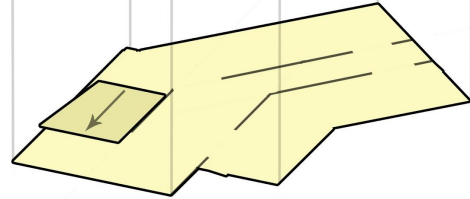
Parking Level 2  
110 Spots



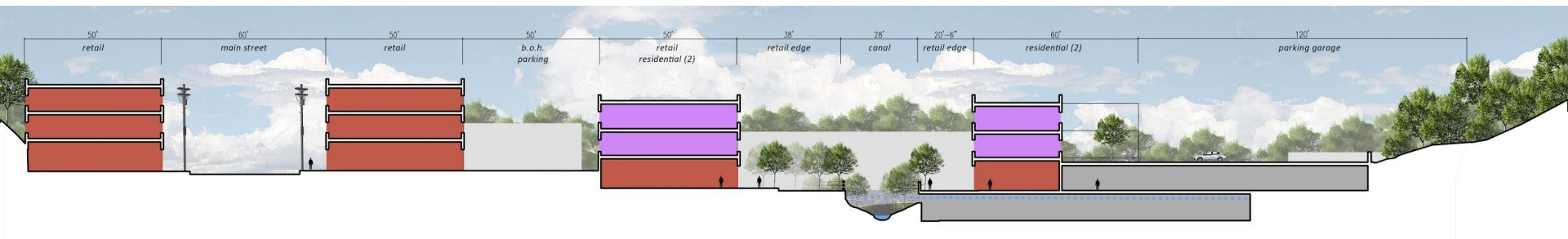
Parking Level 1  
110 Spots



Parking Level -1  
155 Spots  
608,000  
Cubic Ft  
Cistern



approach 2



approach 2





before



after



before



after



# Water Grid

approach 3



Approach 1

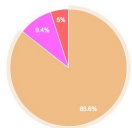


Approach 2



Approach 3

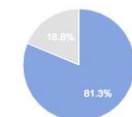




retail  
office  
residential

255

400  
parking spots



mitigated water  
non-mitigated water



approach 3



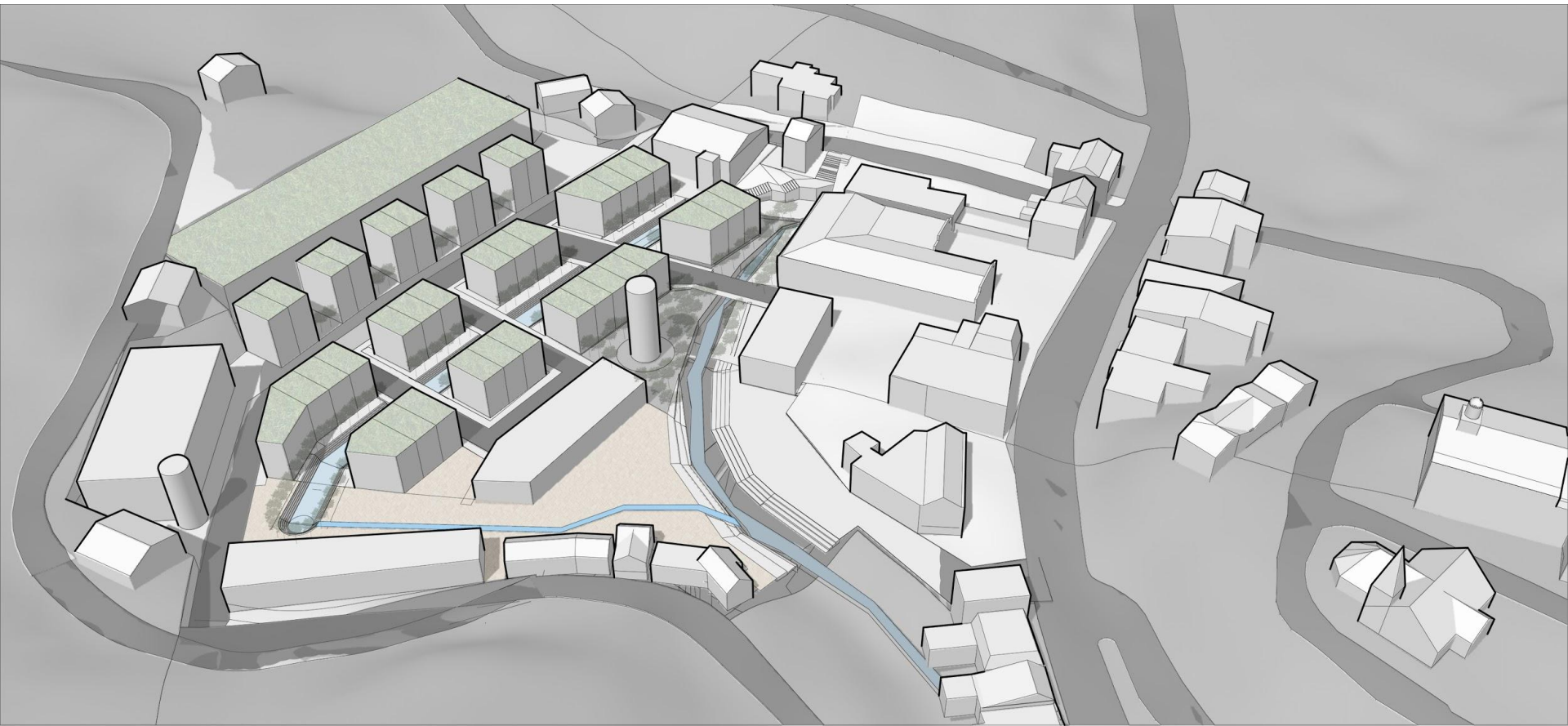
approach 3

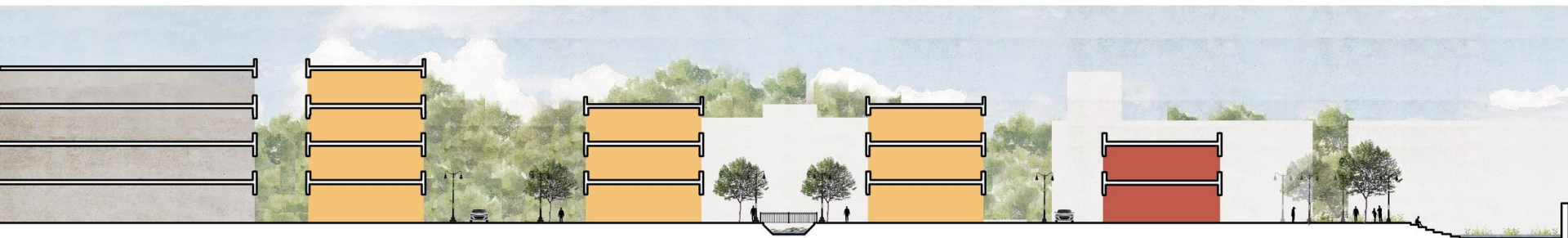




approach 3

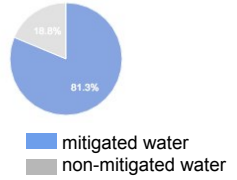






approach 3

## WATER MITIGATION



typical



canals + water towers + parking



streets + plazas



## Total Parking

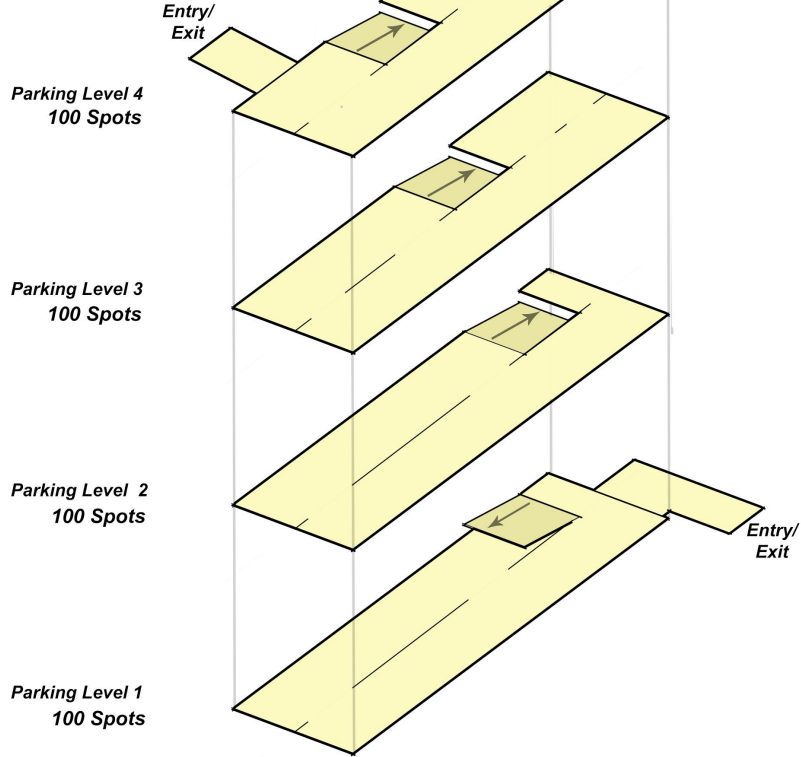
255 Existing

145 New Spots

**400 Spots**

255

400



approach 3













Approach 1



Approach 2



Approach 3



Approach 1



Approach 2



Approach 3



Approach 1



Approach 2



Approach 3