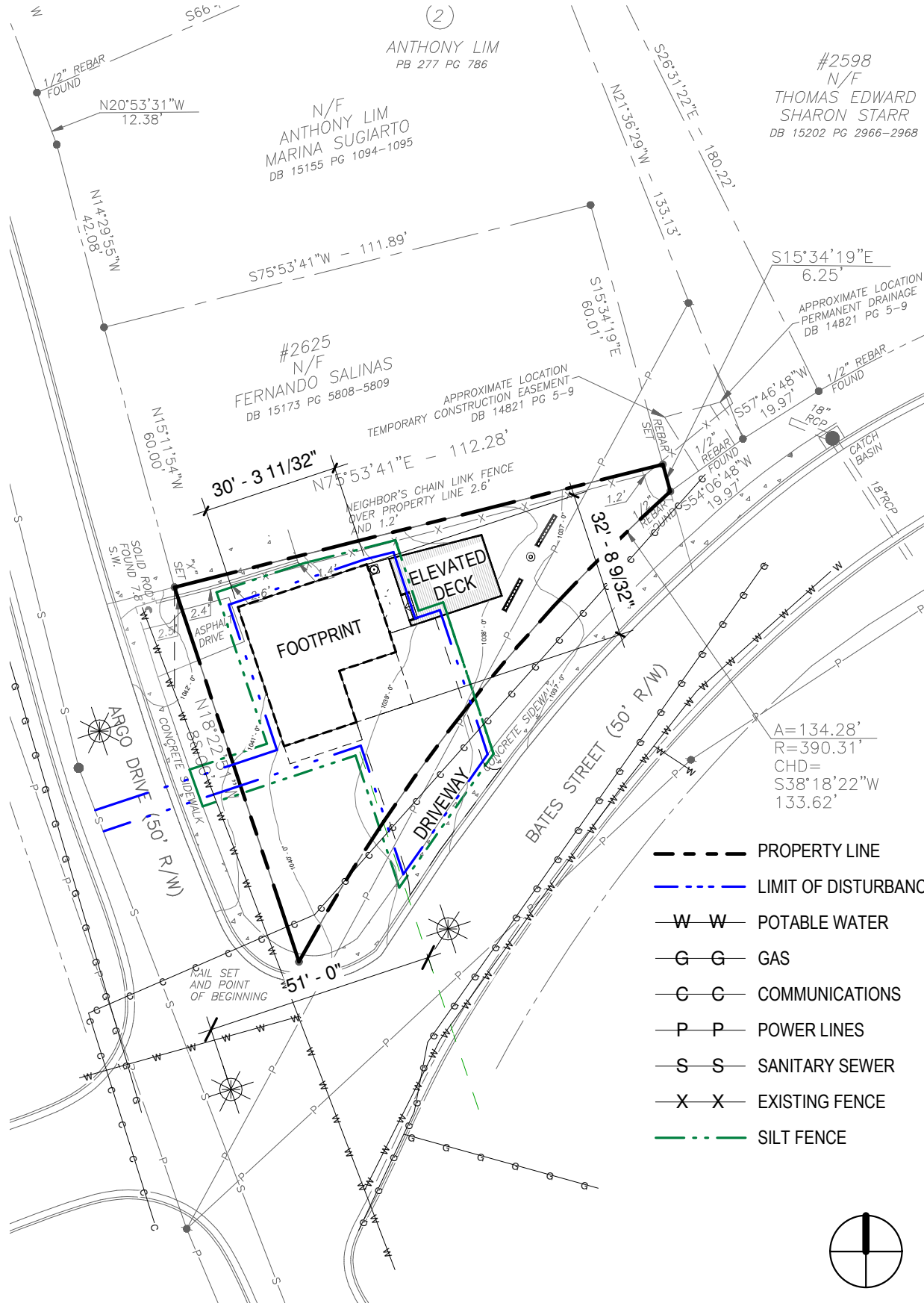




2 ARCHITECTURAL VICINITY MAP  
1/32" = 1'-0"



1 ARCHITECTURAL SITE PLAN  
1/32" = 1'-0"



## THE SMITH LEGACY NEST

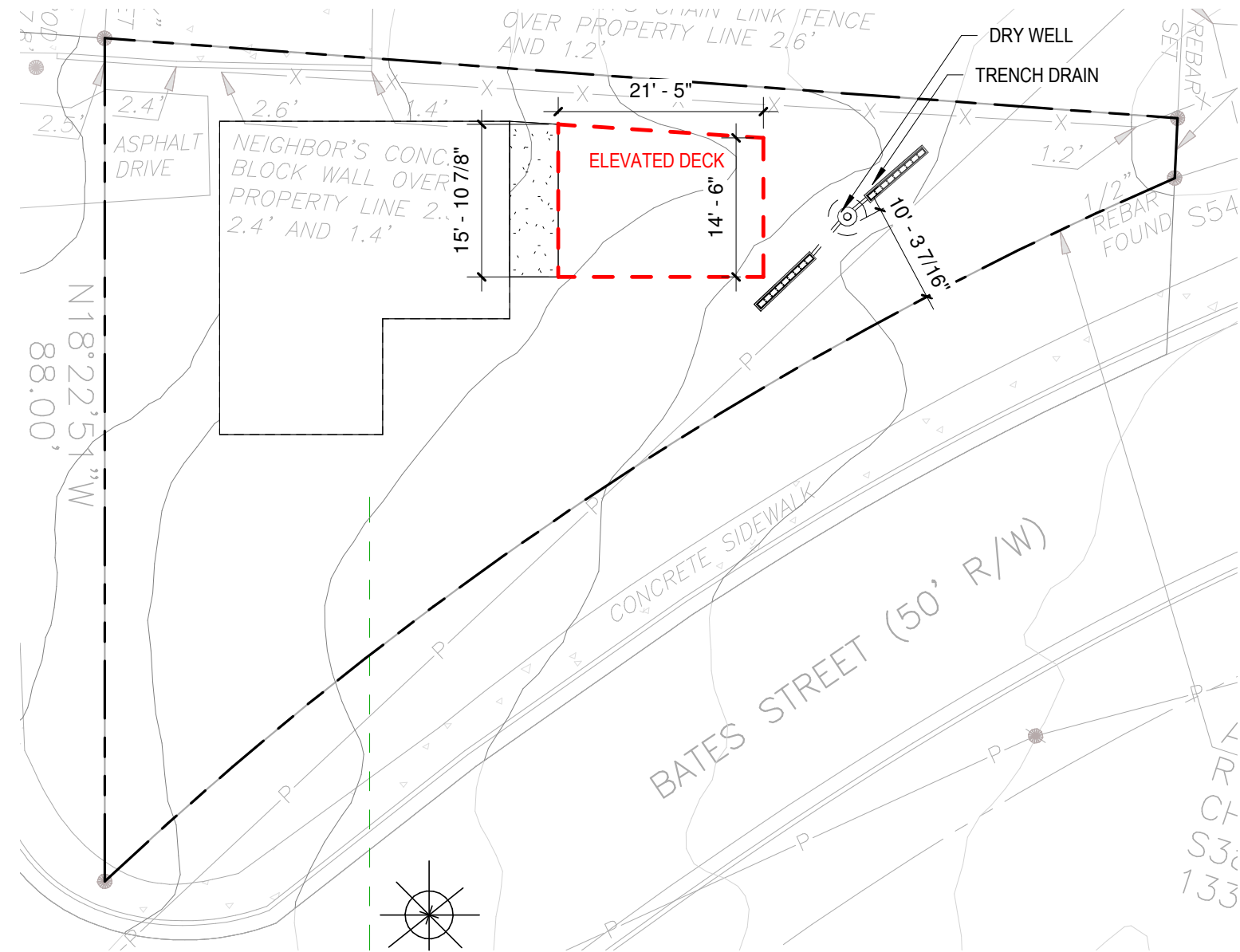
No.	Description	Date

### ARCH SITE PLAN

Project number	Project Number	A01
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	
		Scale 1/32" = 1'-0"







1 MITIGATION PLAN  
1/16" = 1'-0"

PERVIOUS / IMPERVIOUS SITE MITIGATION			
AREA	(SF)	%	FUNCTION
PERVIOUS			
GREEN	2789 SF	58.73	PERVIOUS
2789 SF		58.73	
IMPERVIOUS			
BLDG	899 SF	18.93	IMPERVIOUS
DRIVE	735 SF	15.47	IMPERVIOUS
DECK	326 SF	6.87	IMPERVIOUS
1960 SF		41.27	
4750 SF		100.00	

DRY WELL SIZING CALCULATION

Stormwater Runoff Reduction Target Volume: RRv

$RRv = (P) (Rv) (A) / 12$

where:

RRv = Runoff Reduction Target Volume (cubic ft)  
P = Target runoff reduction rainfall (inches) (1")  
Rv = Volumetric runoff coefficient

$Rv = 0.05 + 0.009(I)$

where:

I = Impervious area of contributing drainage area (%)

A = Area draining to the practice (square ft)  
12 = unit conversion factor (in/ft)

$= ((1") (0.05 + 0.009(6.87\%)) (326)) / 12$   
 $= ((1") (0.11183) (326)) / 12$   
 $= (36.45658) / 12$   
 $= 3.03804 \text{ cubic ft}$

Volume of Practice: VPmin

$VPmin > RRv(target) / (RR\%)$

where:

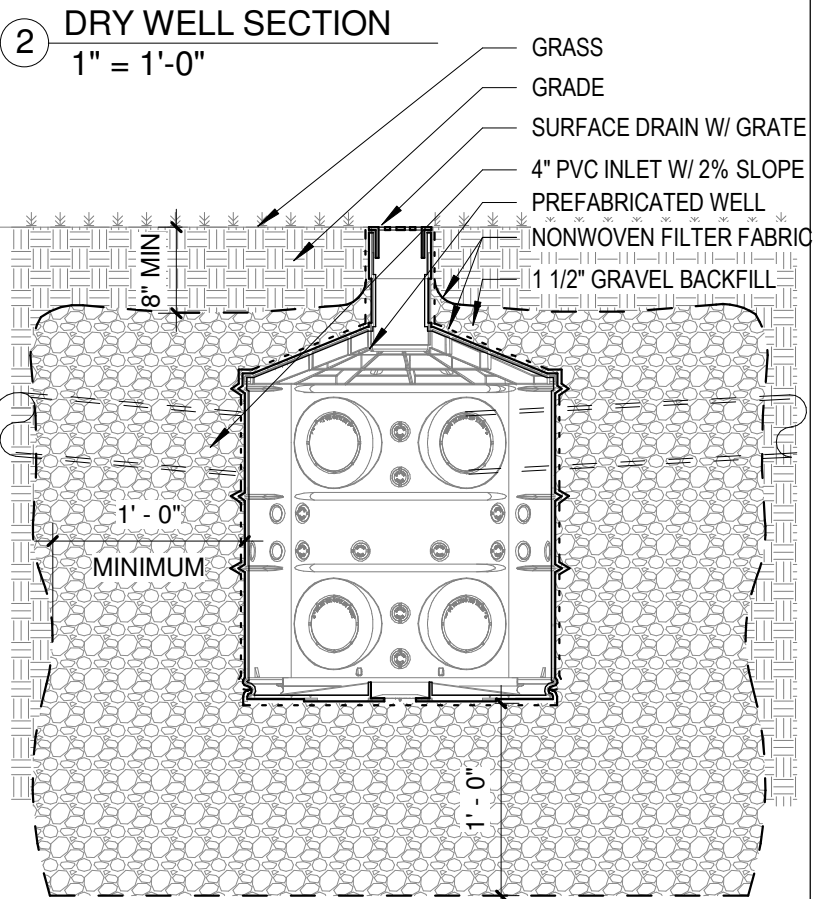
RR% = Runoff Reduction percentage  
VPmin = Minimum storage volume required to provide RRv  
RRv = Runoff Reduction Target Volume

$= 3.03804 / 0.8$   
 $= 3.8 \text{ cubic ft}$

Storage Volume:

VP = (PV + VES (N)  
prefabricated dry well sizing: 2ft D x 2.395ft H (50 gallons)

$= ((3.14) (1) (1) (2.395)) + 35.37(\text{gravel}) (0.35)$   
 $= 7.526732 + 12.297$   
 $= 19.824.7 \text{ cubic ft}$

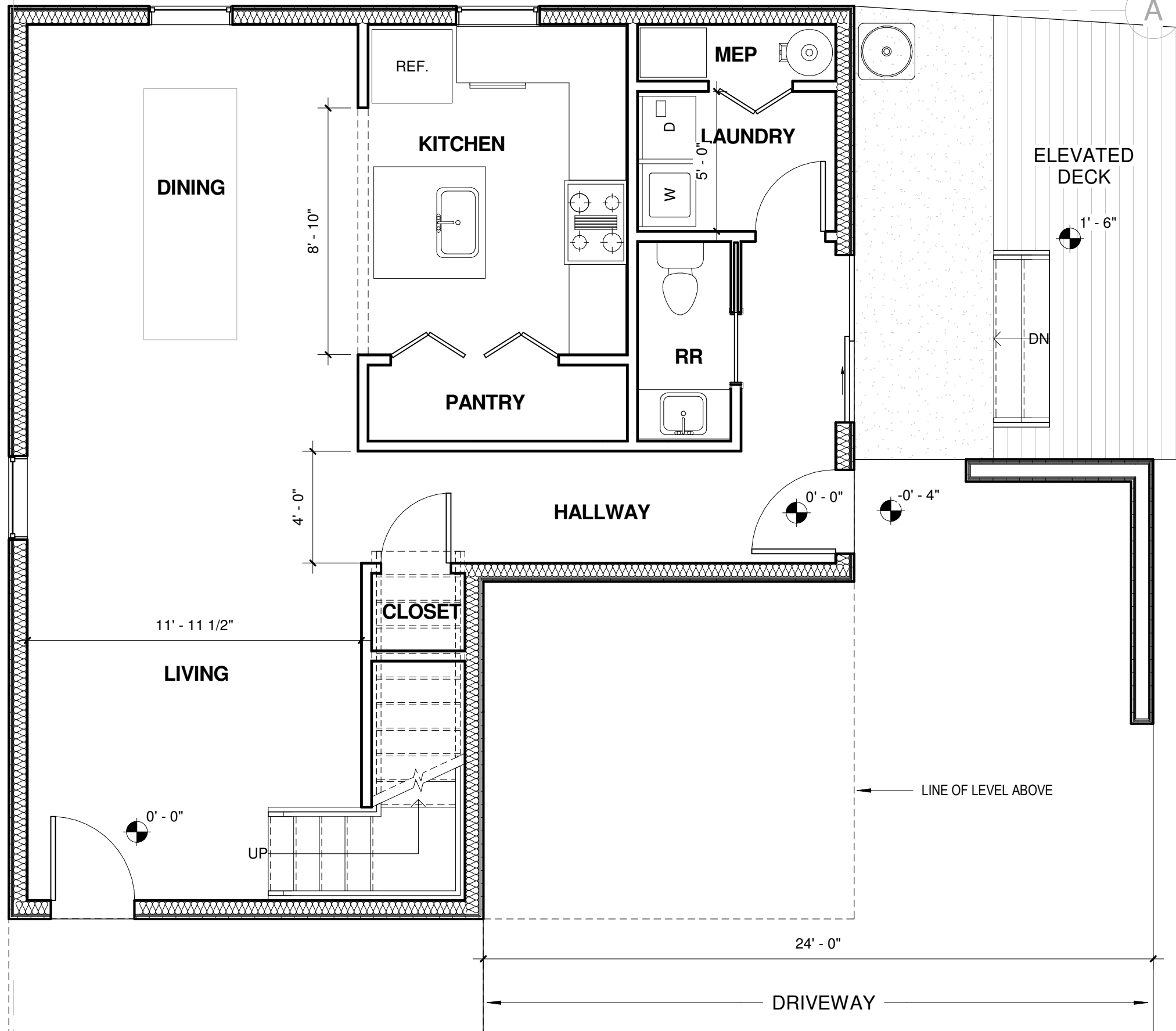


THE SMITH  
LEGACY NEST

No.	Description	Date

MITIGATION PLAN		
Project number	Project Number	A03
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	
		Scale As indicated

1



ROOM SCHEDULE - LEVEL 1		
Number	Name	Area

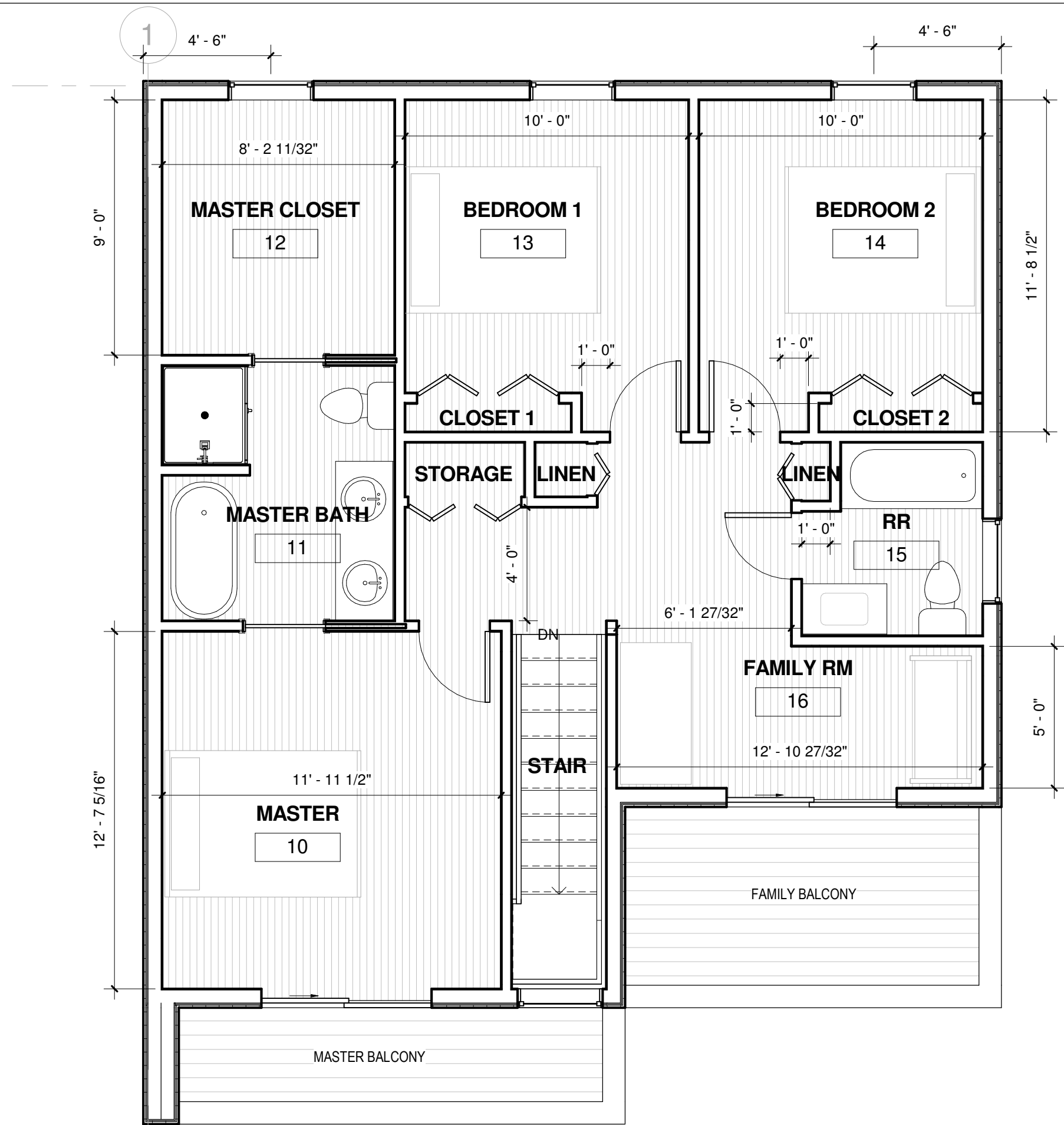
Level 1		
1	LIVING	222 SF
2	DINING	181 SF
3	KITCHEN	113 SF
4	PANTRY	25 SF
5	HALLWAY	93 SF
6	CLOSET	9 SF
7	RR	24 SF
8	LAUNDRY	35 SF
9	MEP	14 SF
		717 SF

# THE SMITH LEGACY NEST

No.	Description	Date

FLOOR PLAN - LEVEL 1		
Project number	Project Number	A11
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	
		Scale 1/4" = 1'-0"

1 FLOOR PLAN - LEVEL 1  
1/4" = 1'-0"



1 FLOOR PLAN - LEVEL 2 - OPT 1  
1/4" = 1'-0"

A

ROOM SCHEDULE - LEVEL 2 OPT 4		
Number	Name	Area
Level 2		
10	MASTER	151 SF
11	MASTER BATH	73 SF
12	MASTER CLOSET	74 SF
13	BEDROOM 1	109 SF
13A	CLOSET 1	6 SF
14	BEDROOM 2	109 SF
14A	CLOSET 2	6 SF
15	RR	40 SF
16	FAMILY RM	140 SF
16A	STORAGE	8 SF
16B	LINEN	2 SF
16C	LINEN	3 SF
17	STAIR	43 SF
		763 SF

THE SMITH  
LEGACY NEST

No.	Description	Date

FLOOR PLAN - LEVEL 2

Project number	Project Number	A12
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	
		Scale 1/4" = 1'-0"