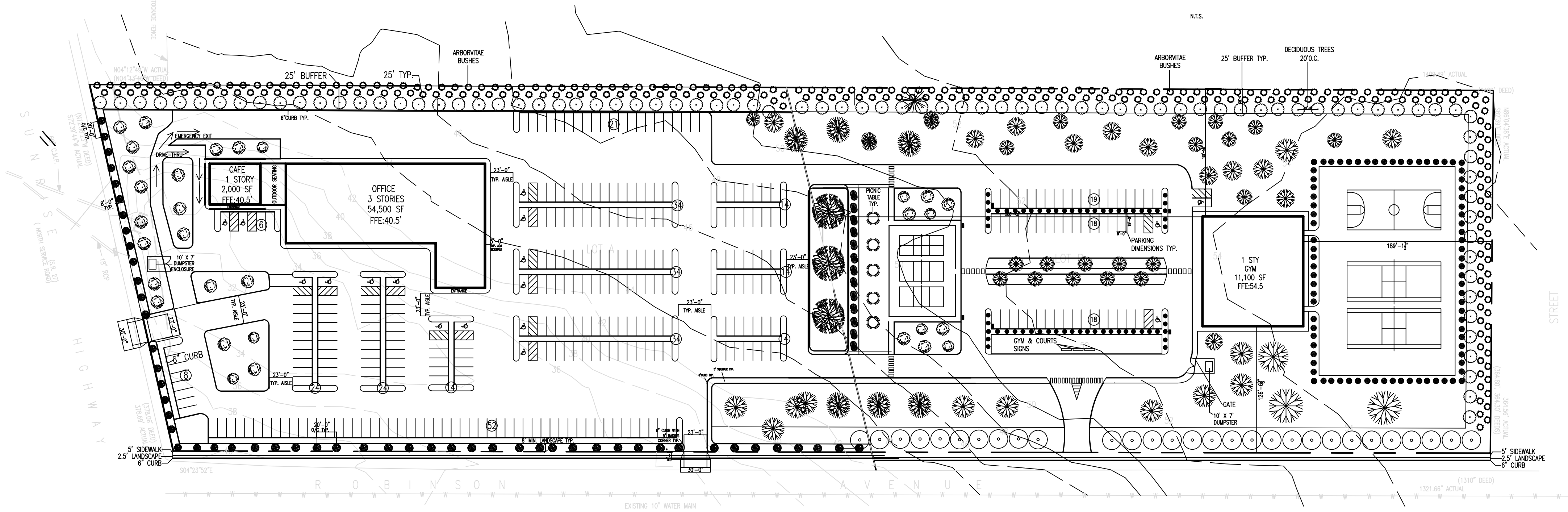




LOCATION MAP  
NTS



AERIAL MAP  
NTS



MASTER SITE PLAN A & B  
NTS

INDEX

DWG. NO.	SHEET NAME
C-01	COVER SHEET
C-02	DEMOLITION PLAN
C-03	PROPOSED SITE PLAN
C-04	GRADING & DRAINAGE/SEPTIC
C-05	CUT AND FILL PLAN
C-06	LANDSCAPE PLAN
C-07	DETAILS



REV	DATE	DESCRIPTION
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406 ROBINSON AVENUE, EAST  
PATCHOGUE, NY DRIVE-THRU &  
OFFICE BUILDING

SEBASTIAN ALVAREZ  
CON 364  
SUMMER 2025  
PROFESSOR LOPICCOLO

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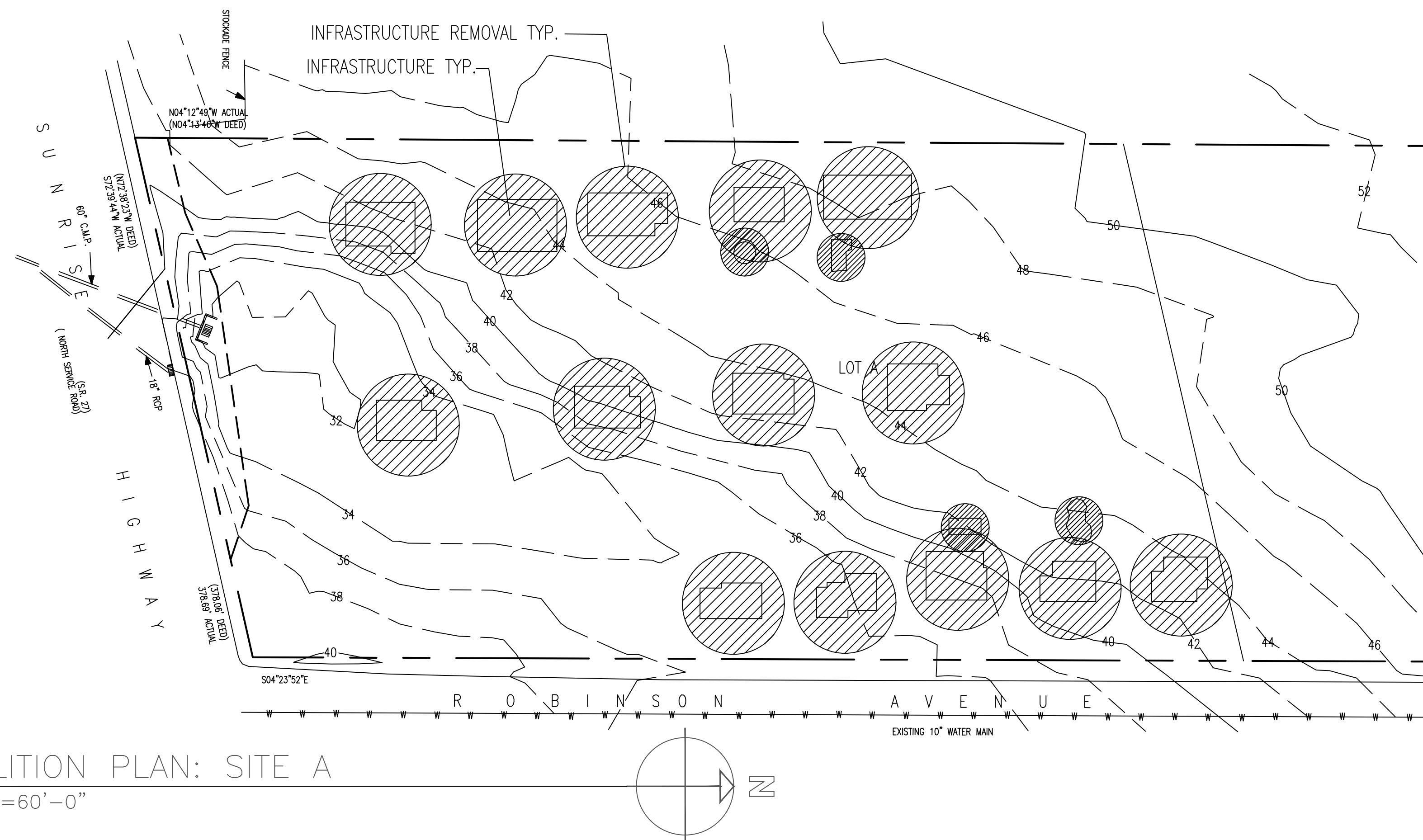
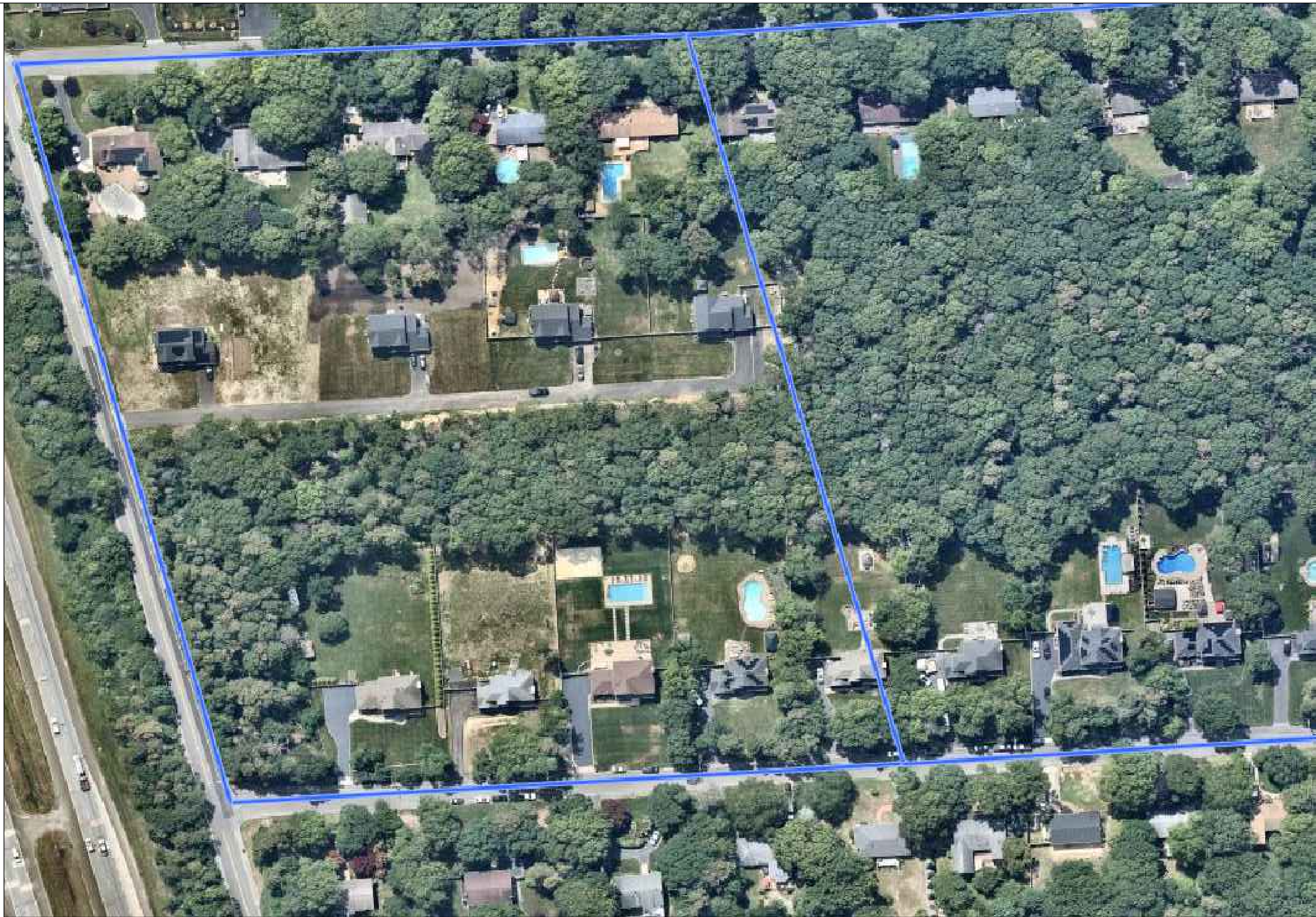
SEAL

PROJECT:  
ARC364  
COMMERCIAL PROJECT

DRAWING TITLE  
COVER SHEET-SITE A

DRAWN BY SEBASTIAN ALVAREZ	DRAWING NO.  C-01
DATE 7/28/2025	
SCALE AS NOTED	
JOB NO. 2302	





DEMOLITION PLAN: SITE A  
SCALE: 1"=60'-0"

NOTE:  
-REMOVE ALL STRUCTURES INC.  
FOUNDATIONS, PAVEMENT AND TREES  
-CLEAR AND GRUB SITE



REV	DATE	DESCRIPTION
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# 406 ROBINSON AVENUE, EAST PATCHOGUE, NY DRIVE-THRU & OFFICE BUILDING

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DEMOLITION PLAN-SITE A

DRAWN BY  
SEBASTIAN  
ALVAREZ

DATE  
7/28/2025

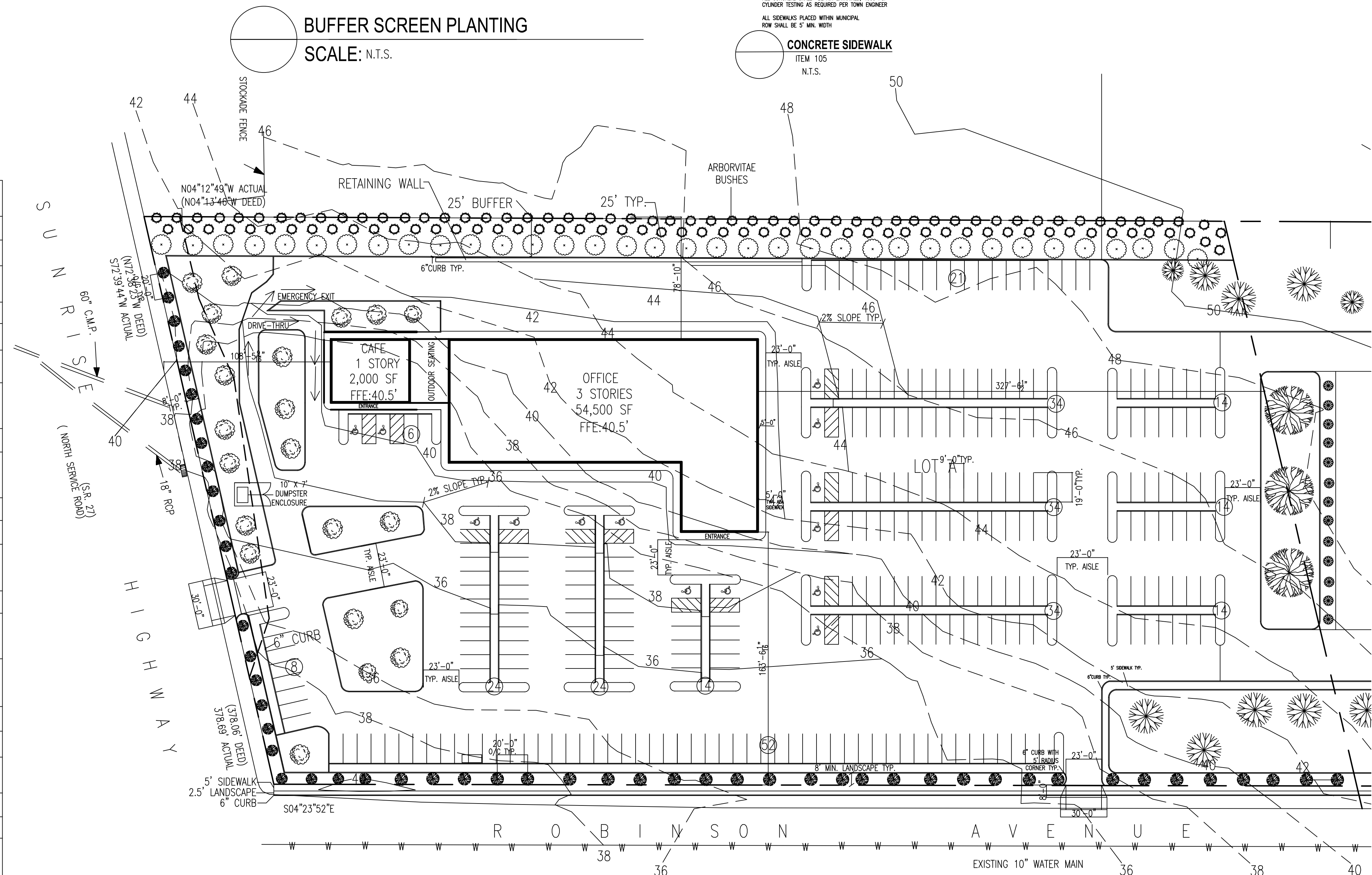
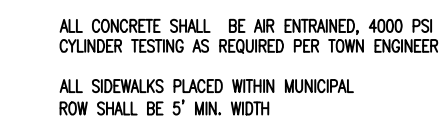
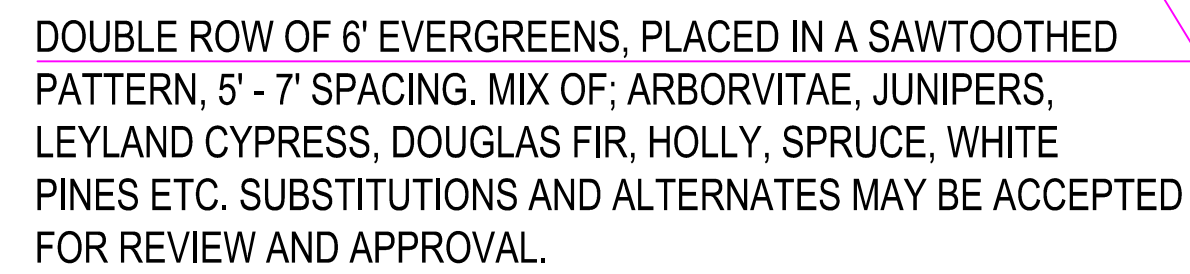
SCALE  
AS NOTED

JOB NO.  
2302

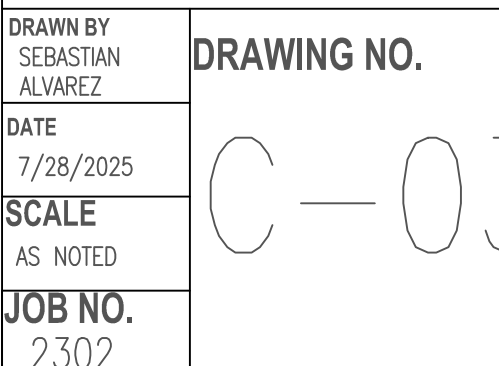
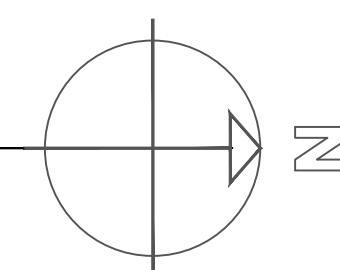
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C-02

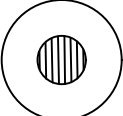
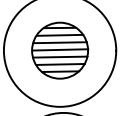
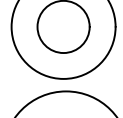
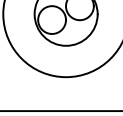
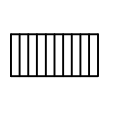





PROPOSED SITE PLAN: SITE A  
SCALE: 1"=40'-0"





LEGEND	
	LEACHING POOL WITH OPEN GRATE
	SEPTIC EXPANSION LEACHING POOL
	SEPTIC LEACHING POOL
	SEPTIC TANK
	TRENCH DRAIN
	CATCH BASIN

SEPTIC REQUIREMENTS

GPD CALCULATIONS:

ALLOWABLE: 5.95 ACRES (600 GPD) = 3,570GPD

CAFE ALLOWABLE: 2,000 SF (0.15 GPD) =300GPD

OFFICE ALLOWABLE:54,500 SF (0.16 GPD) = 3,270 GPD

OFFICE SEPTIC LEACHING POOL CALCULATIONS:

OFFICE REUQUIREMENTS: 3,270 GPD/1.5= 2180

2180/31.42= 69.38 VF

EFFECTIVE DEPTH 6'

69.38 VF/6'= 12 SEPTIC LEACHING POOLS

OFFICE ACTUAL= 12 (1.5)= 18 SEPTIC LEACHING POOLS

CAFE SEPTIC LEACHING POOL CALCULATIONS:

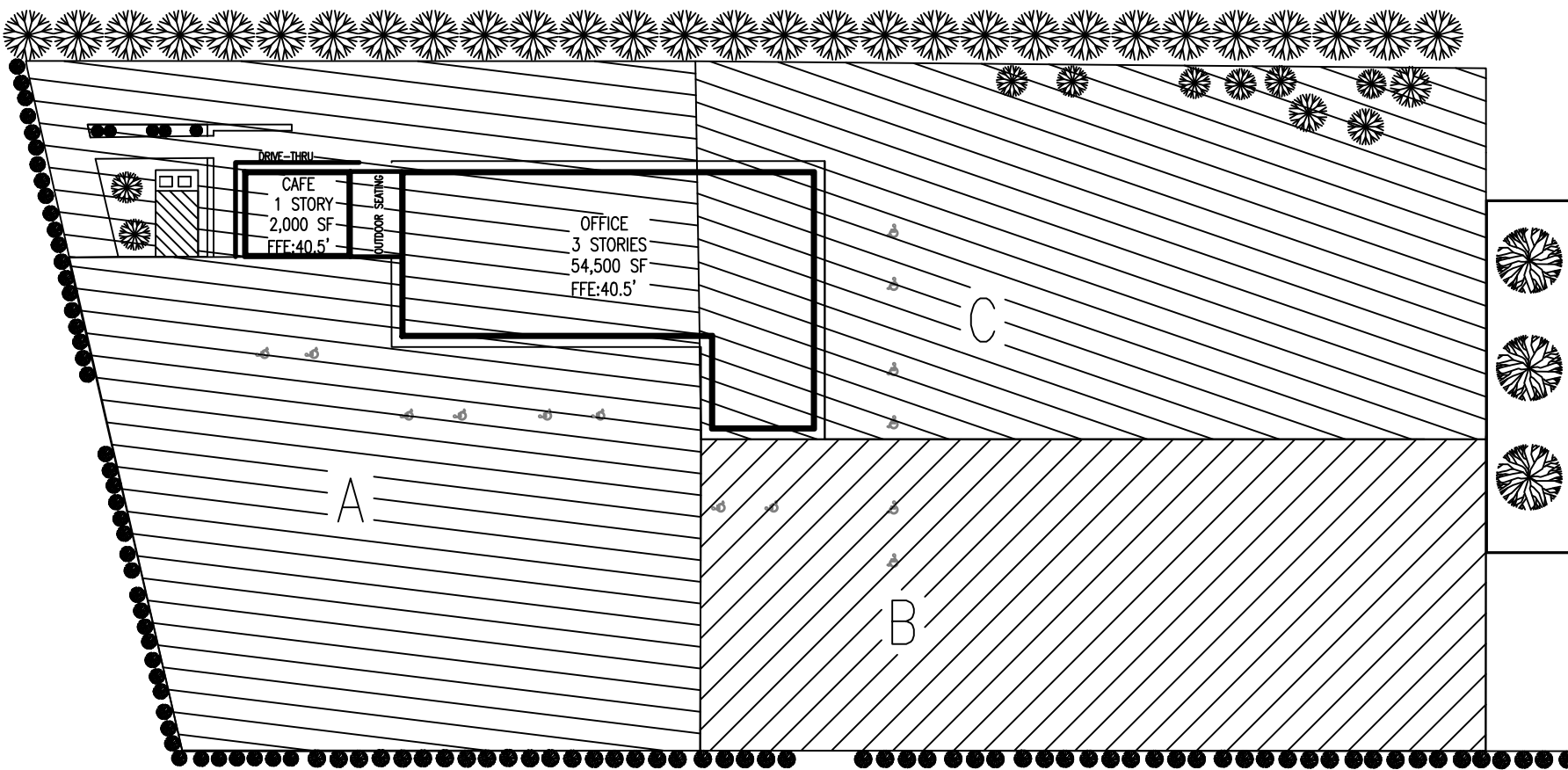
CAFE REQUIRMENTS: 300 GPD/ 1.5= 200

200/31.42 VF= 6.4 VF

EFFECTIVE DEPTH 6'

6.4 VF/ 6'=2 SEPTIC LEACHING POOLS

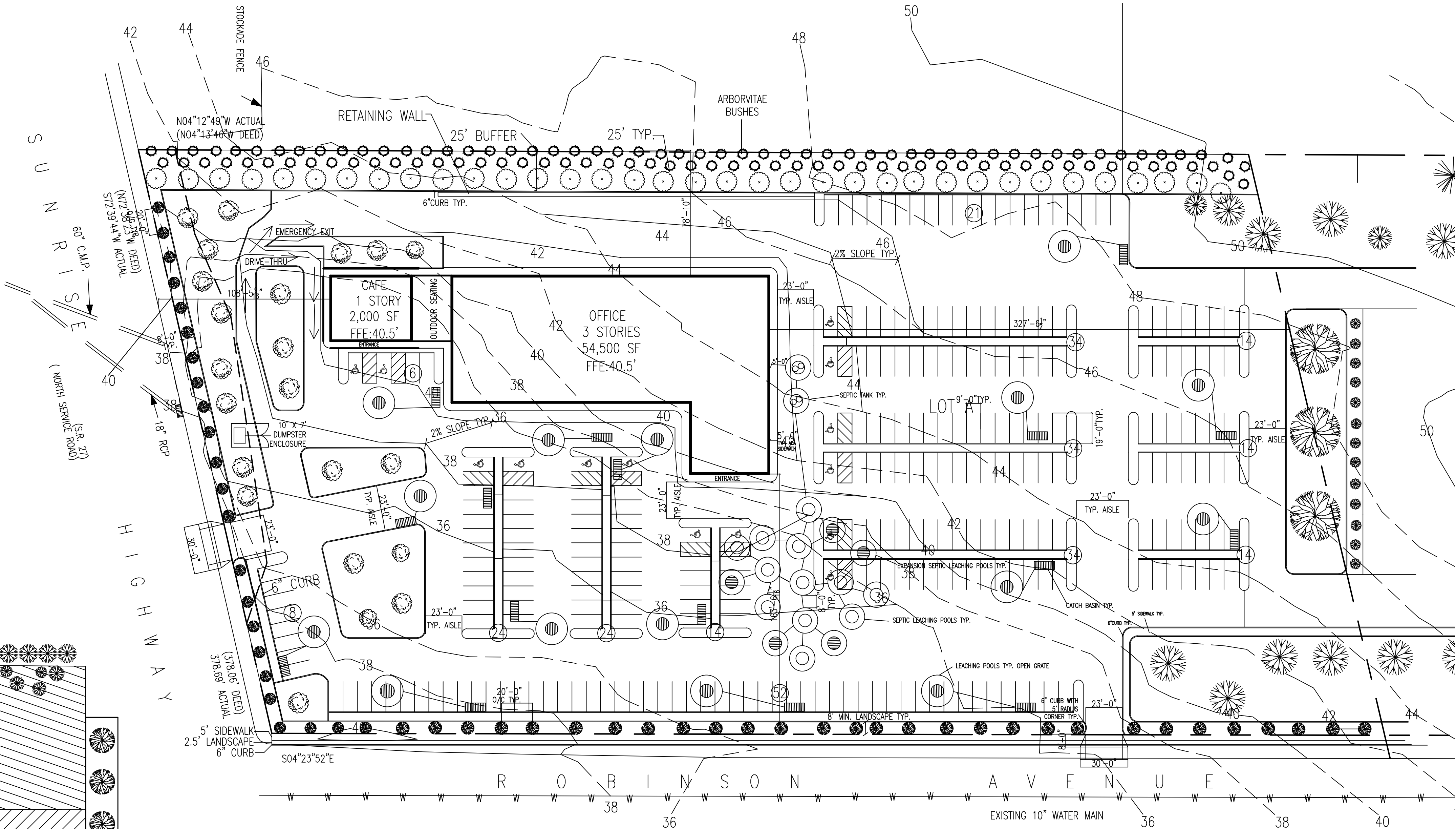
CAFE ACTUAL: 2 (1.5)= 3 SEPTIC LEACHING POOLS



TRIBUTARY AREA MAP: SITE A

SCALE:N.T.S

AREA	SURFACE MATERIAL	C	i	TRIBUTARY AREA (SF)	Q STORAGE REQ'D (CF)	TOTAL STORAGE RECQ'D (CF)	TOTAL DEPTH OF 12" DIA. LP REQ'D (VF)	QTY OF 7'H 12" DIA. LP PROPOSED	QTY OF 9'H 12" DIA LPS PROPOSED- ROUNDED-UP
A	PAVEMENT	1	0.17	22715	3861.55	5047.18	50.06	7.15	8
	LANDSCAE	0.3	0.17	16581	845.63				
	ROOF	1	0.17	2000	340.00				
B	PAVEMENT	1	0.17	47860	8136.20	9492.19	94.14	13.45	14
	LANDSCAPE	0.3	0.17	26588	1355.99				
	ROOF	1	0.17	0	0.00				
C	PAVEMENT	1	0.17	86511	14706.87	19559.45	193.98	27.71	28
	LANDSCAPE	0.3	0.17	34592	1764.19				
	ROOF	1	0.17	18167	3088.39				



GRADING,DRAINAGE, SEPTIC PLAN: SITE A

SCALE: 1"=40'-0"



REV	DATE	DESCRIPTION
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406 ROBINSON AVENUE, EAST  
PATCHOGUE, NY DRIVE-THRU &  
OFFICE BUILDING

SEBASTIAN ALVAREZ  
CON 364  
SUMMER 2025  
PROFESSOR LOPICCOLO

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DRAWING TITLE  
GRADING,DRAINAGE,  
SEPTIC PLAN-SITE A

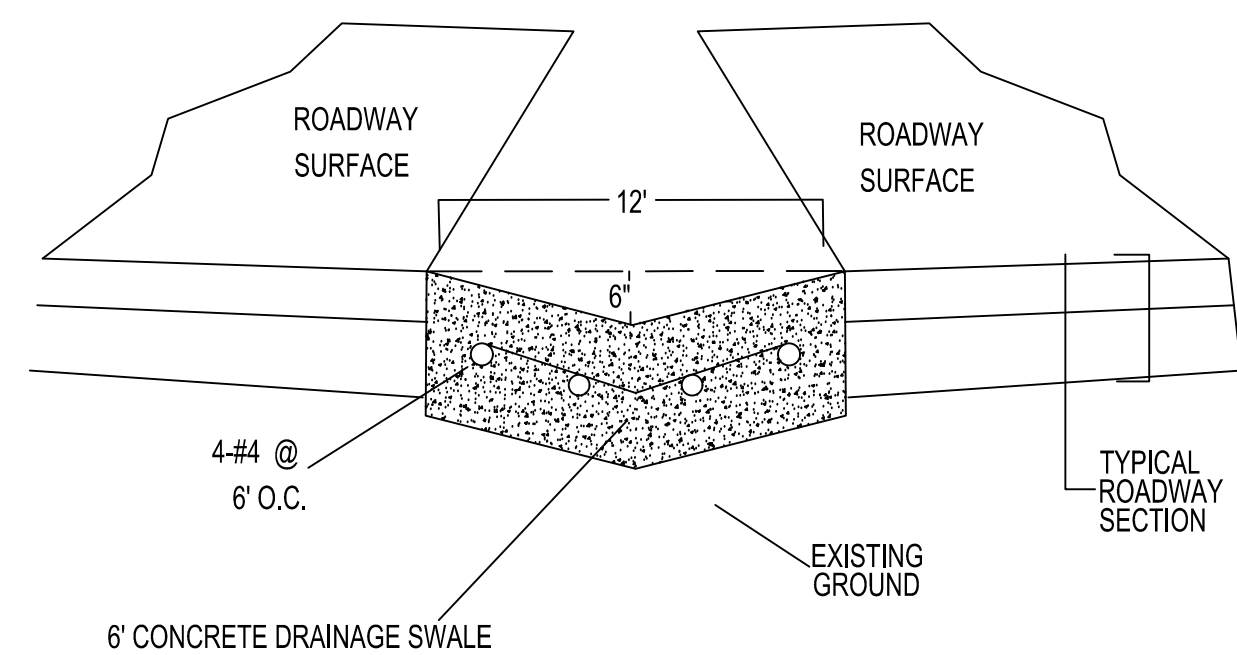
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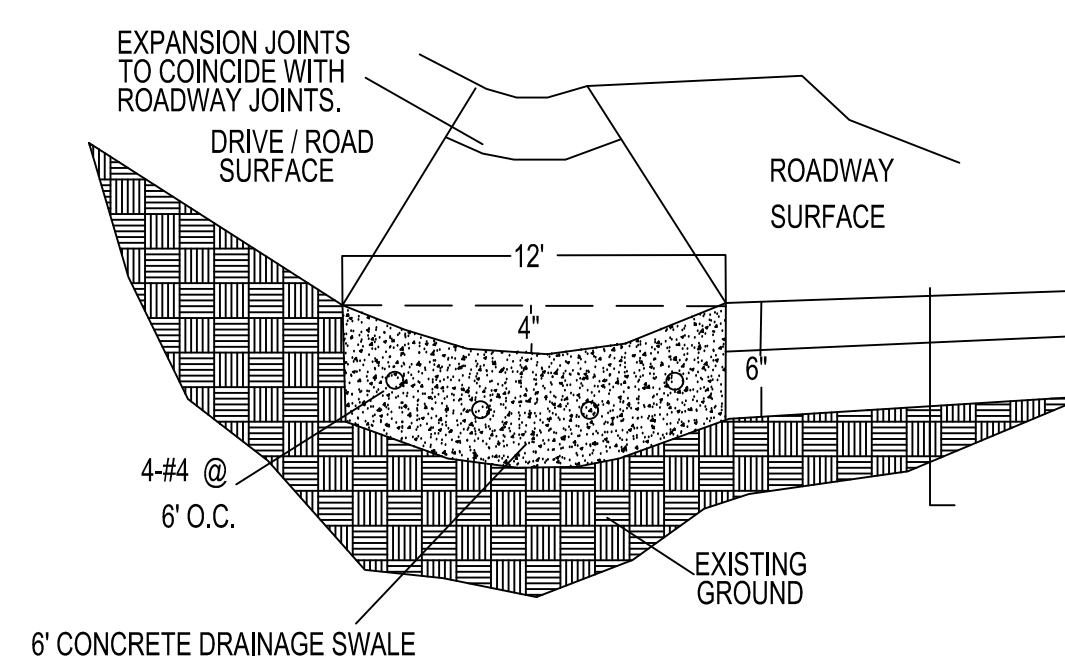
C-04



CONCRETE SWALES



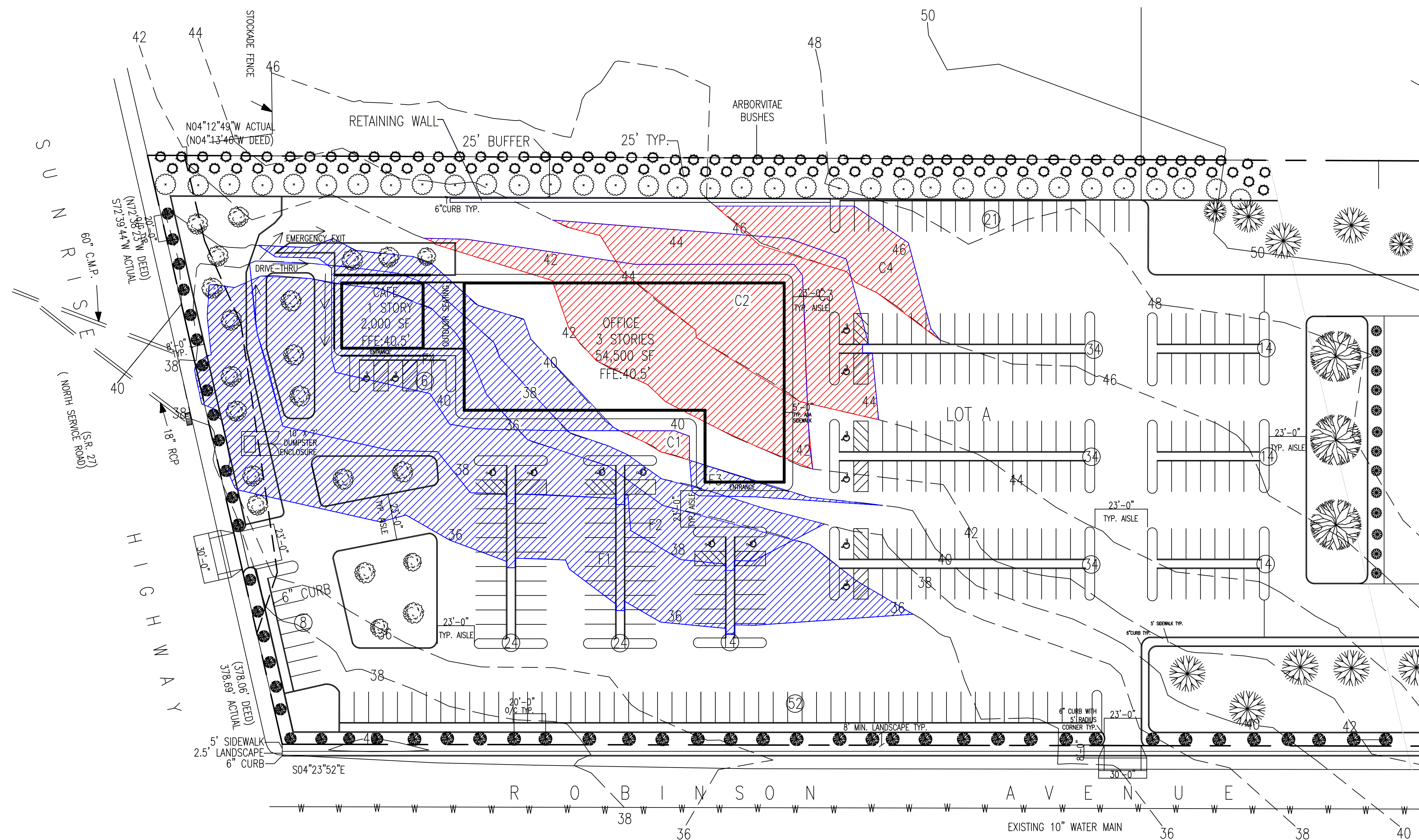
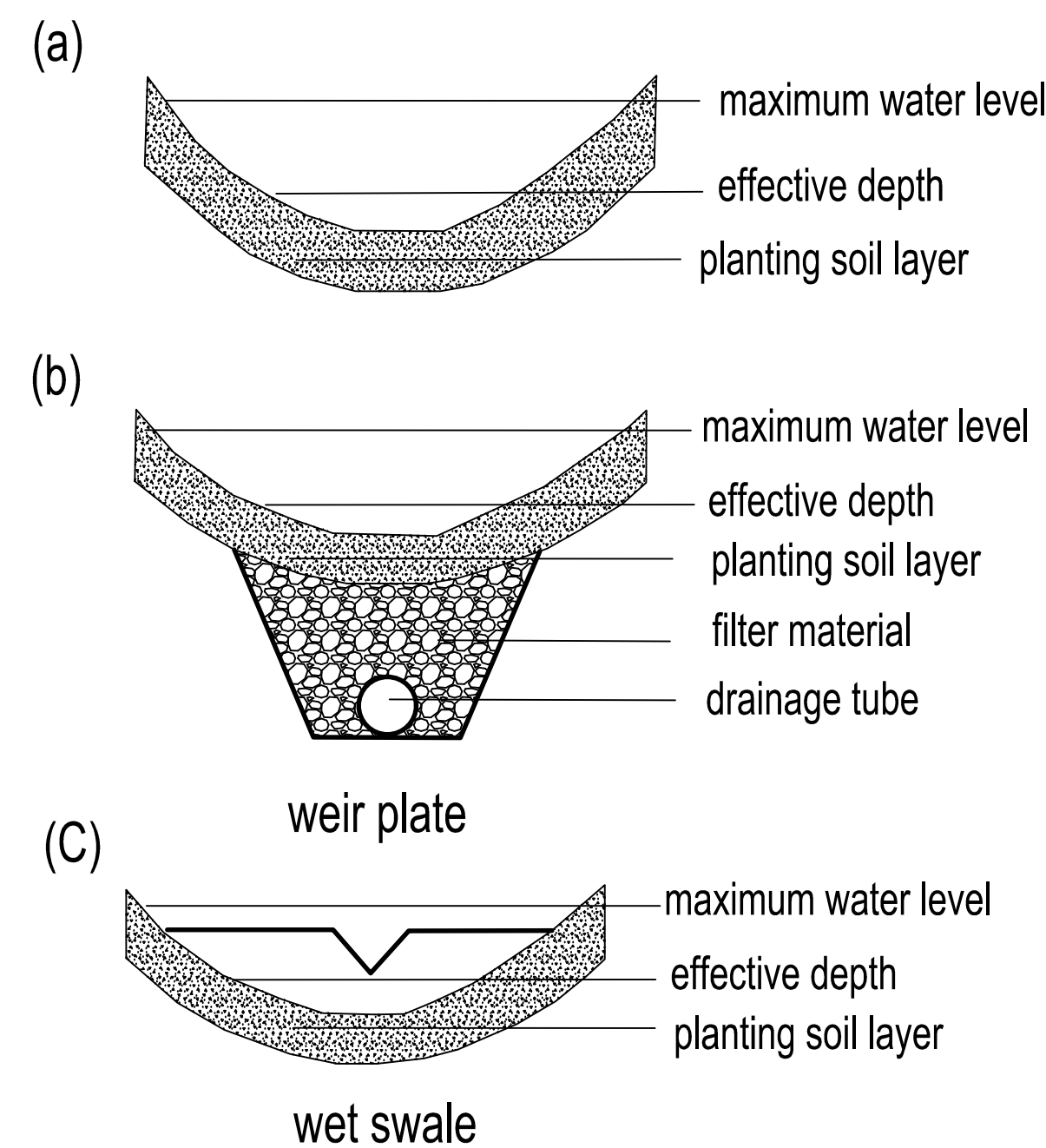
C1 CONCRETE SWALE  
ACROSS ROADWAY  
NOT TO SCALE



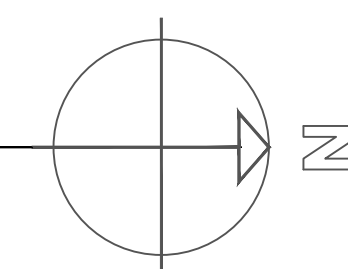
C CONCRETE SWALE  
AT ROAD / DRIVE EDGE  
NOT TO SCALE

CUT		FILL	
C1	844	F1	77,646
C2	29,180	F2	47,296
C3	23,604	F3	23,372
C4	8,394	F4	1,770
TOTAL CUT CF		TOTAL FILL CF	150,084
TOTAL CUT CY		TOTAL FILL CY	5,558.67
EXCESSIVE FILL= 3,262.30			

VEGETATED / BIOSWALES



CUT AND FILL PLAN: SITE A  
SCALE: 1"=40'-0"



REV DATE DESCRIPTION

406 ROBINSON AVENUE, EAST  
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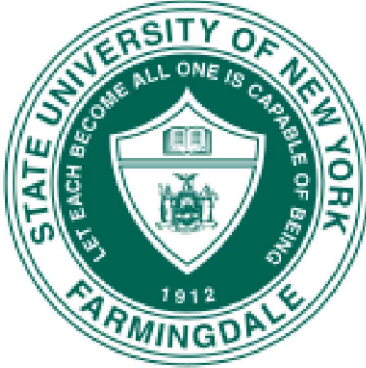
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CUT AND FILL  
PLAN-SITE A

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2302

DRAWING NO.

C-05





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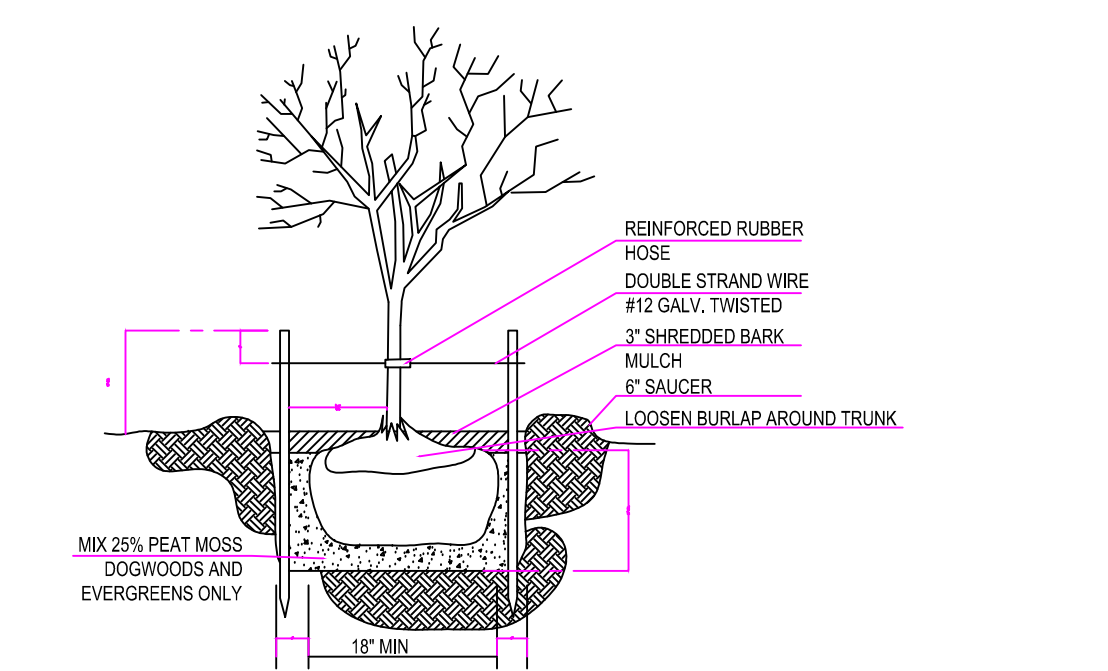
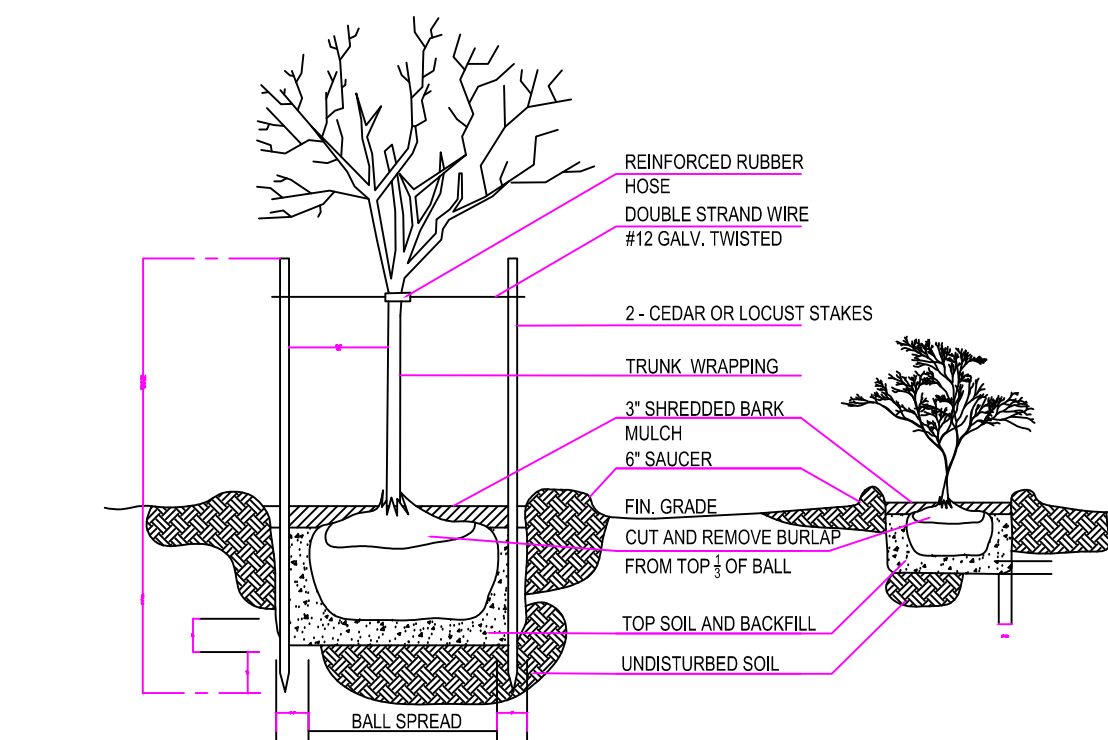
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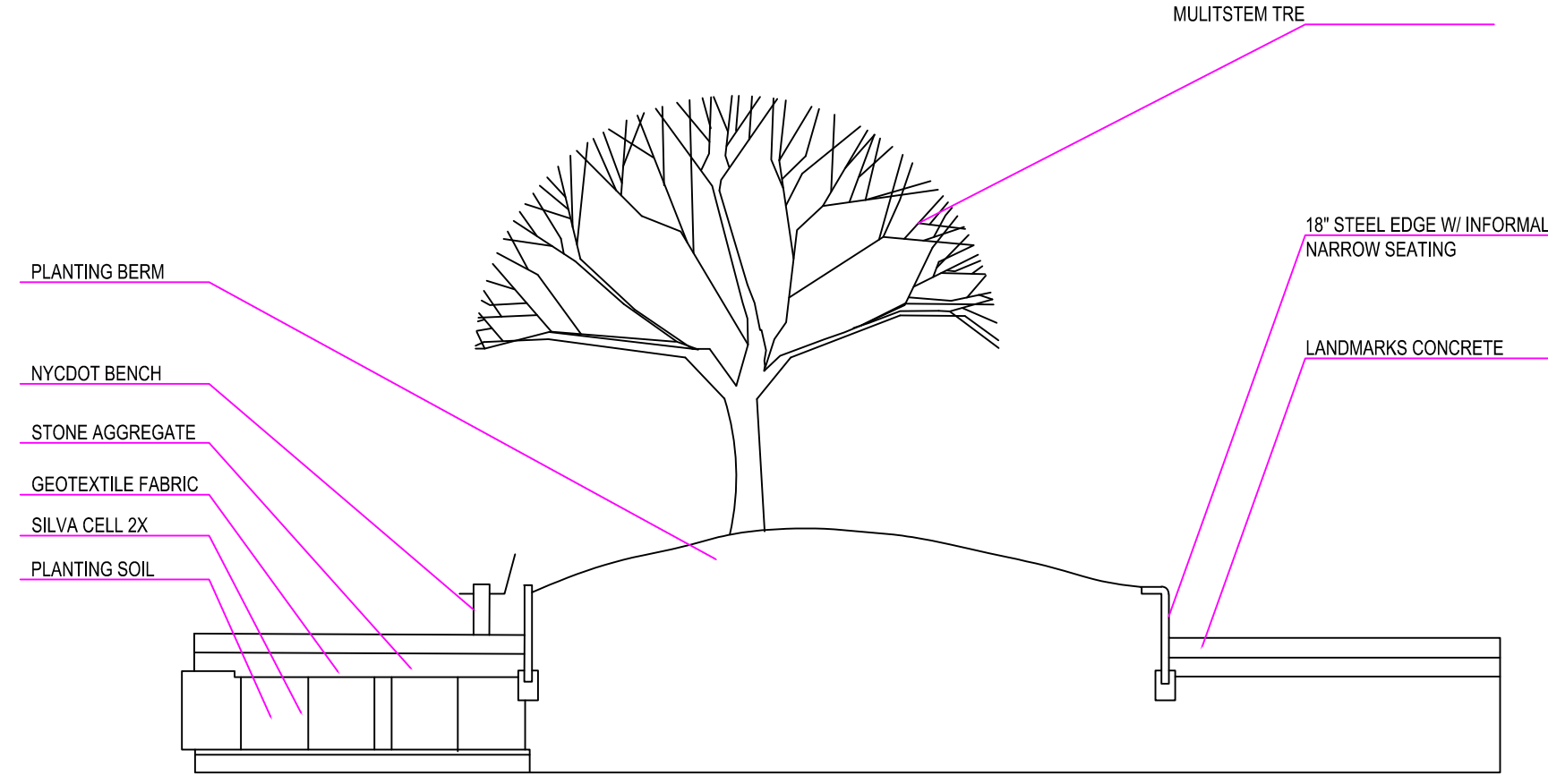
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DRAWING TITLE  
LANDSCAPE PLAN-SITE A

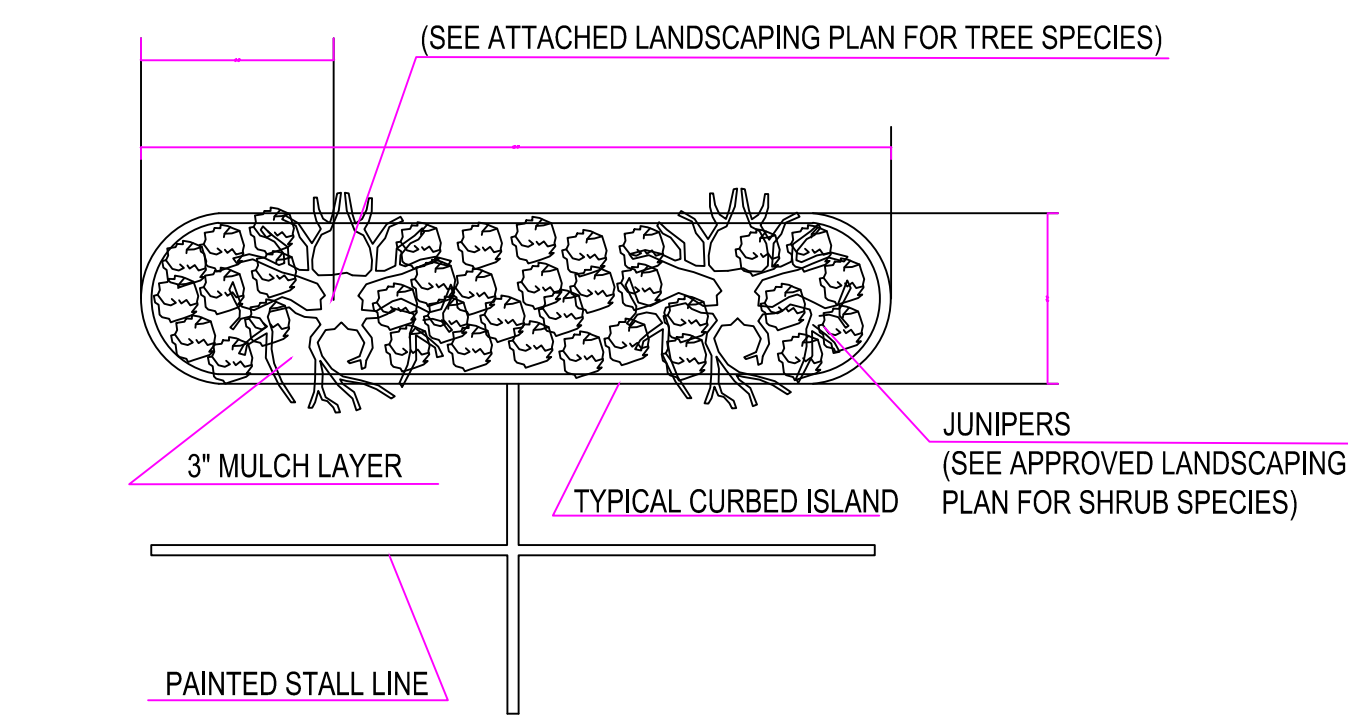
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PLANTING DETAIL  
SCALE: N.T.S.

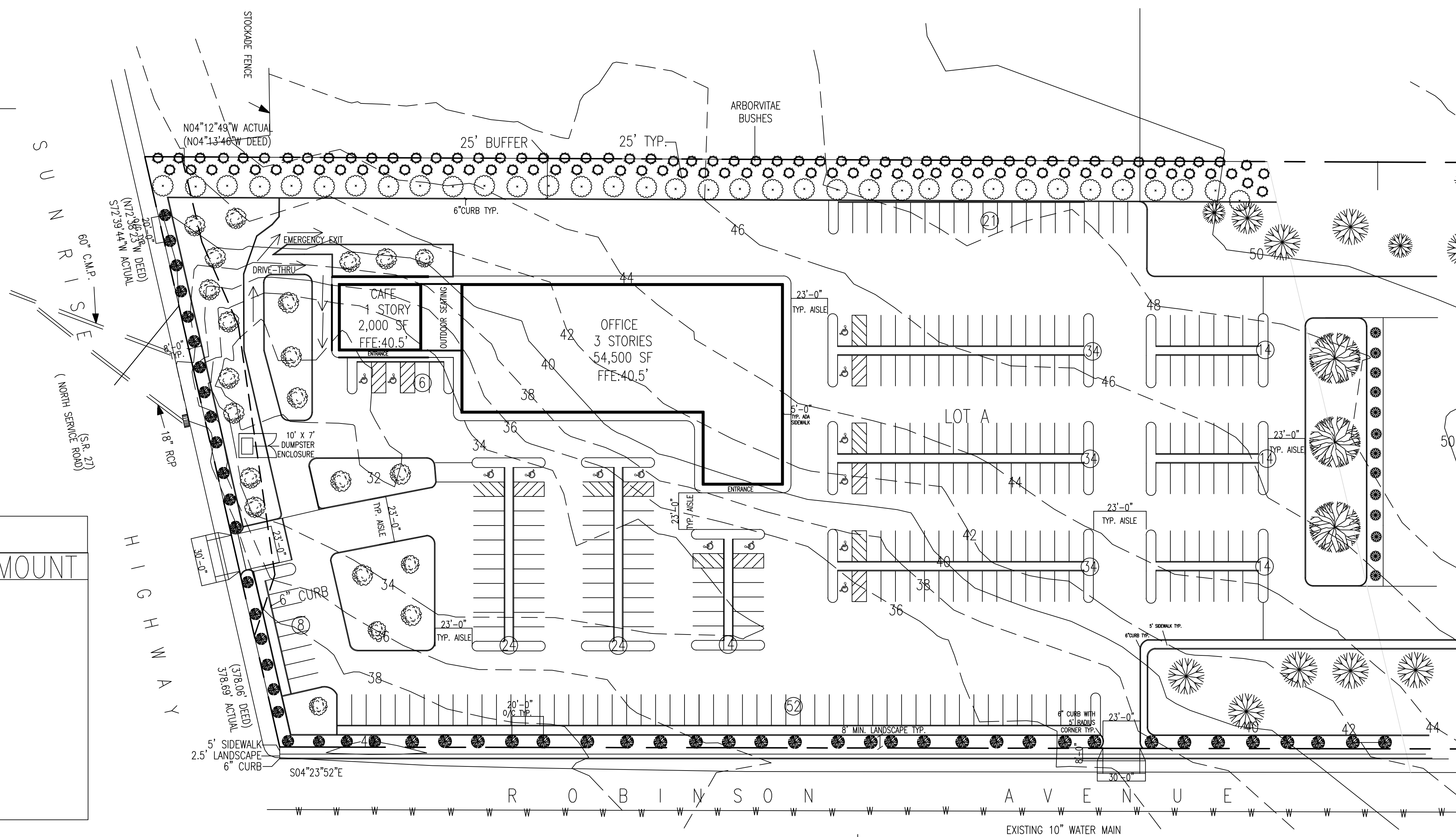


WHITEHALL PLAZA LANDSCAPED BERM SECTION  
SCALE: N.T.S.

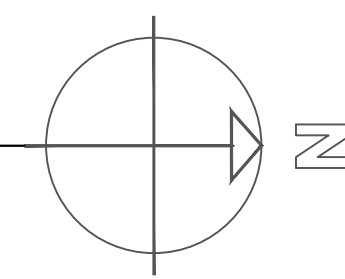


TYPICAL PLANTED ISLAND  
SCALE: N.T.S.

LEGEND		
SYMBOL	DESCRIPTION	AMOUNT
	CORNUS TREE	55
	DECIDUOUS TREE	35
	ARBORVITAE BUSHES	86
	CONIFER TREE	21
	DUMPSTER	1



LANDSCAPE PLAN: SITE A  
SCALE: 1"=40'-0"







REV	DATE	DESCRIPTION
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406 ROBINSON AVENUE, EAST  
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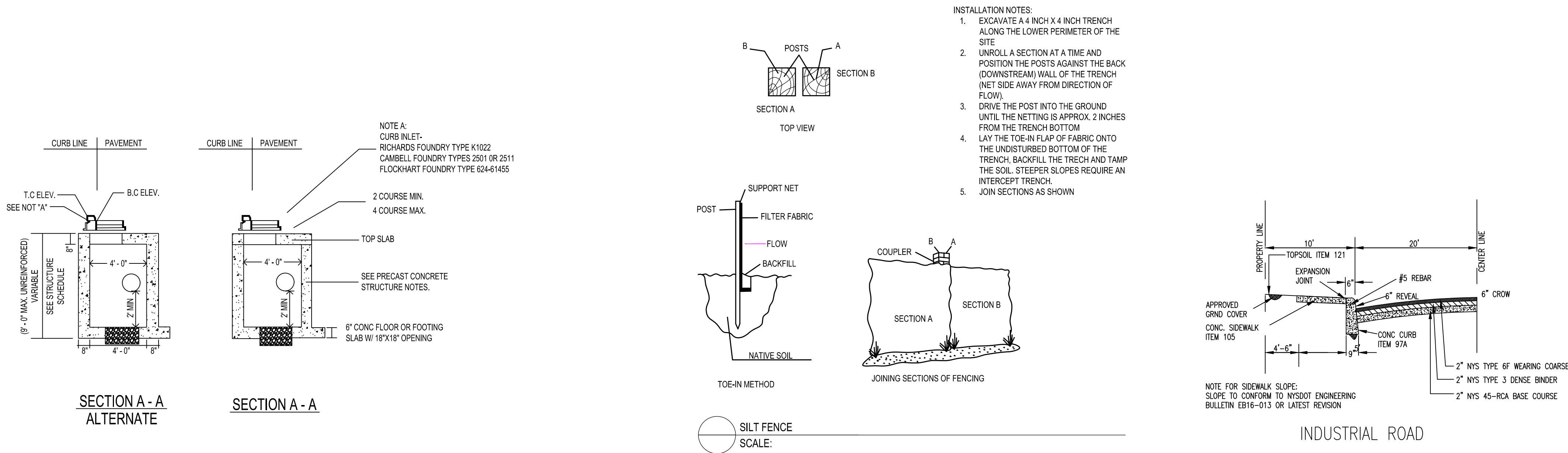
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DRAWING TITLE  
DETAIL SHEET

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DATE 7/28/2025	
SCALE AS NOTED	
JOB NO. 2302	



CATCH BASIN - ITEM 102 CB

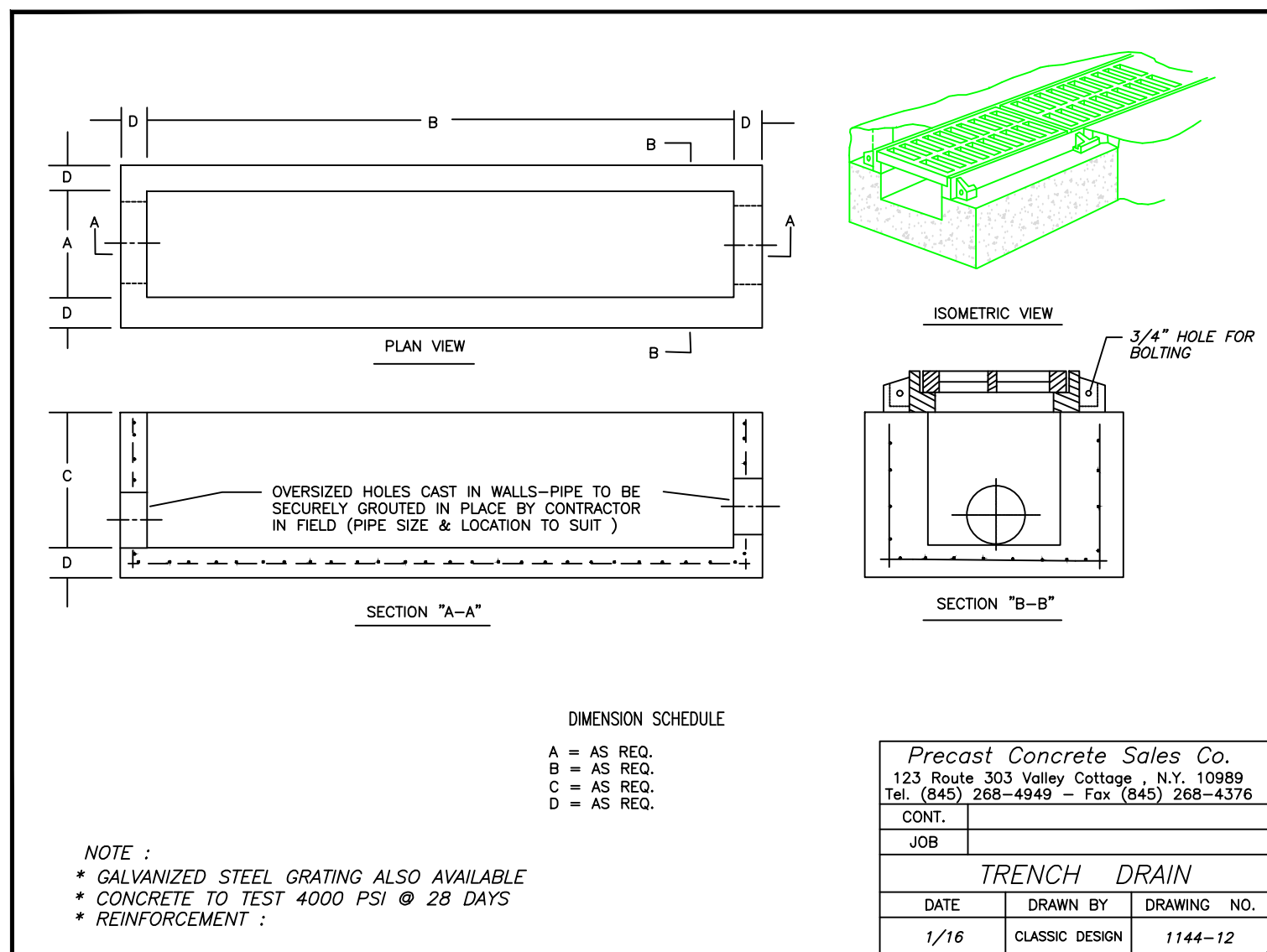
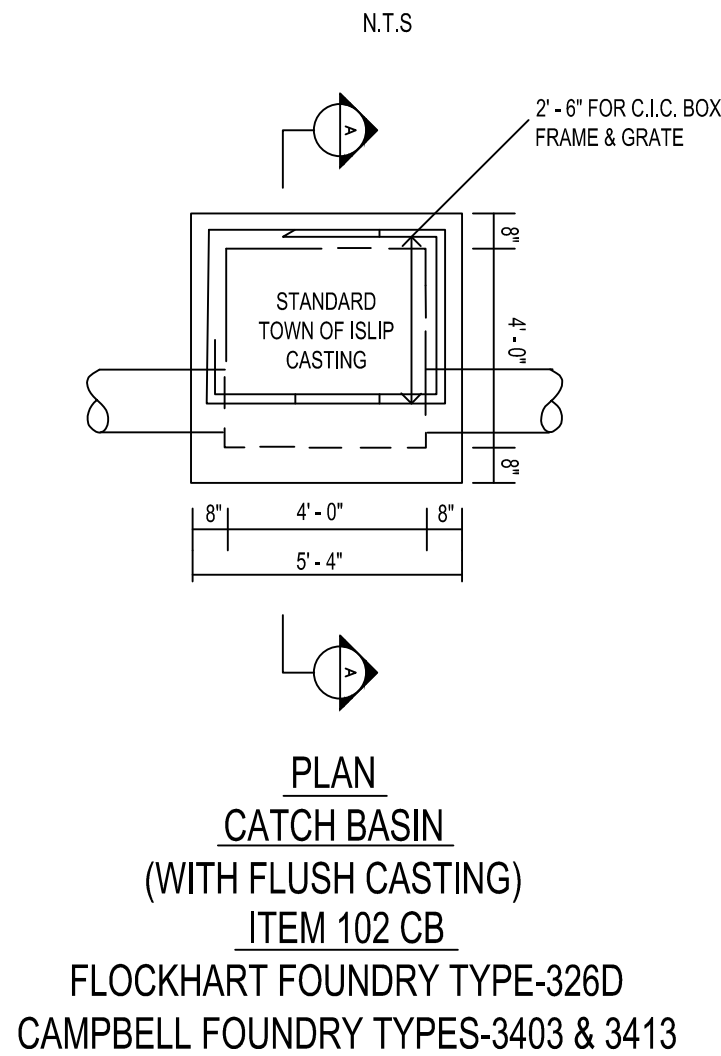


FIGURE 2  
SINGLE UNIT CONCRETE SEPTIC TANK

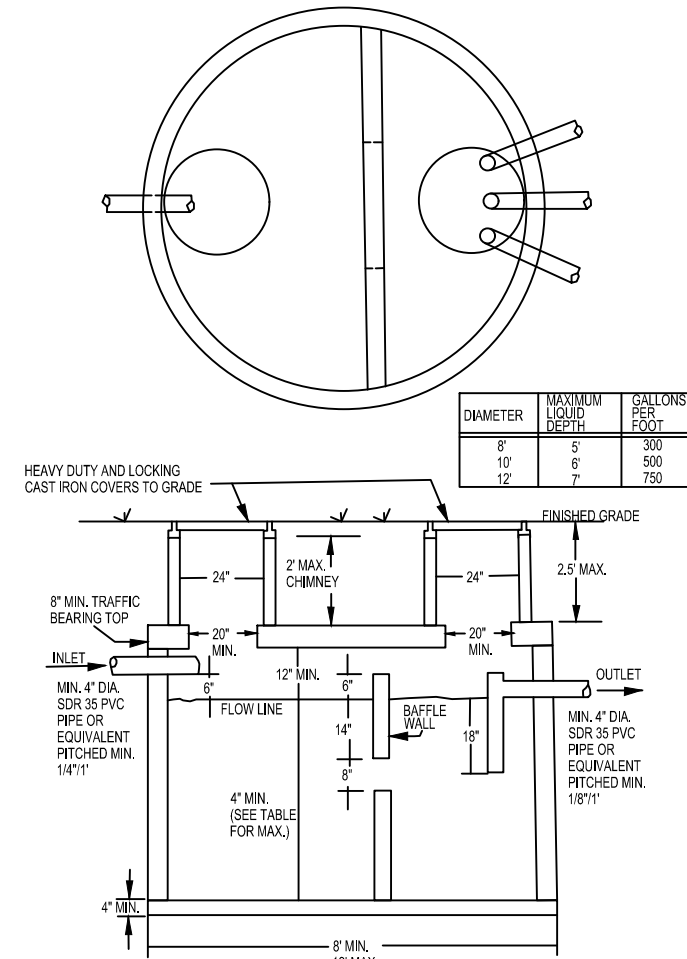
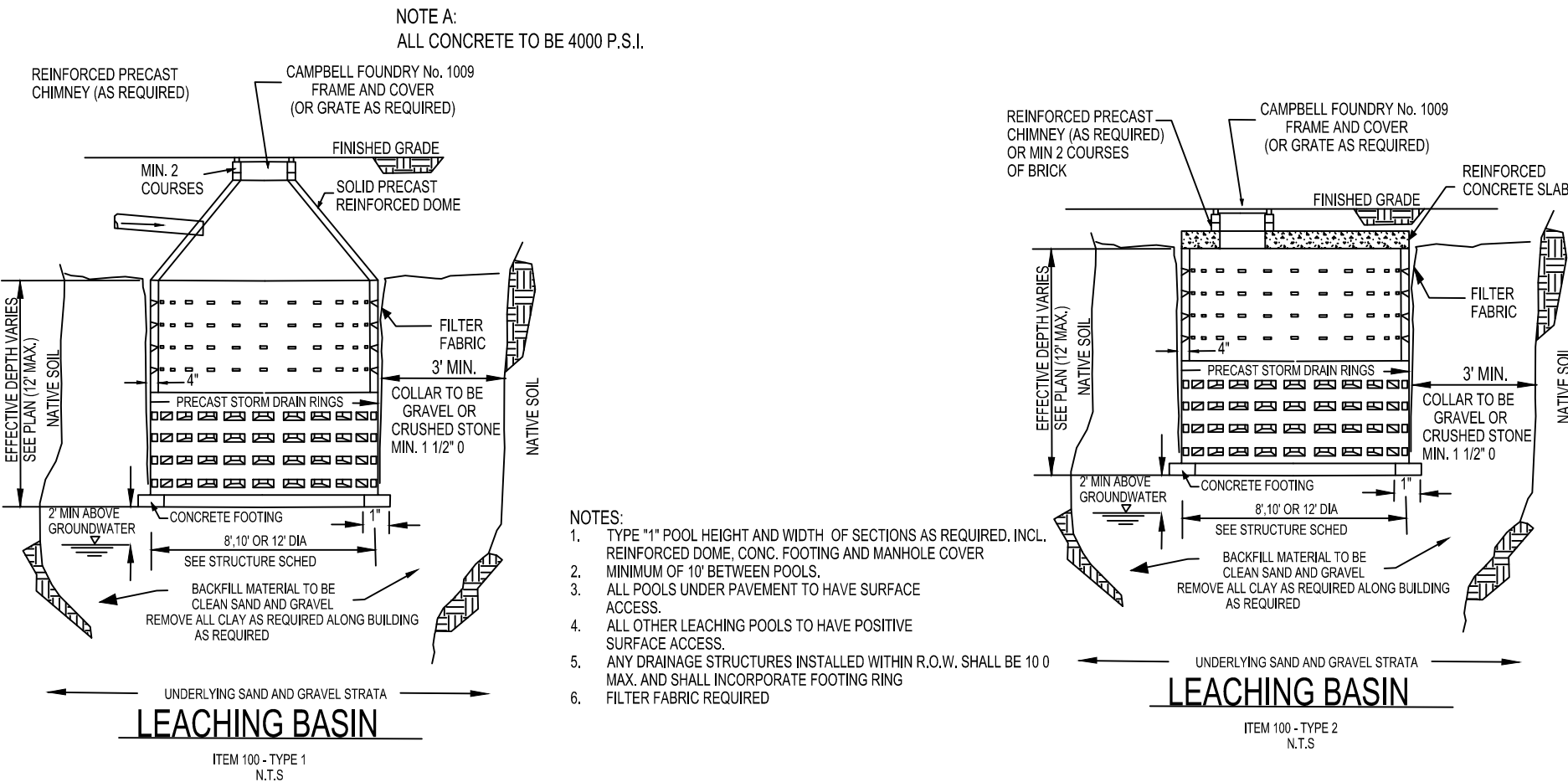
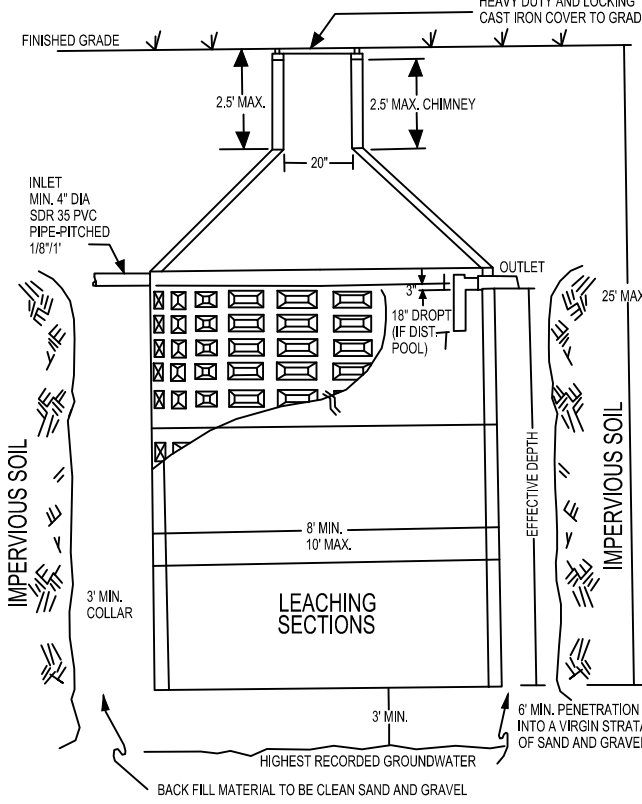


FIGURE 8  
CONCRETE LEACHING POOL DESIGN AND CONSTRUCTION  
DETAILS



CONSTRUCTION STANDARDS

LEACHING POOL  
ITEM 100