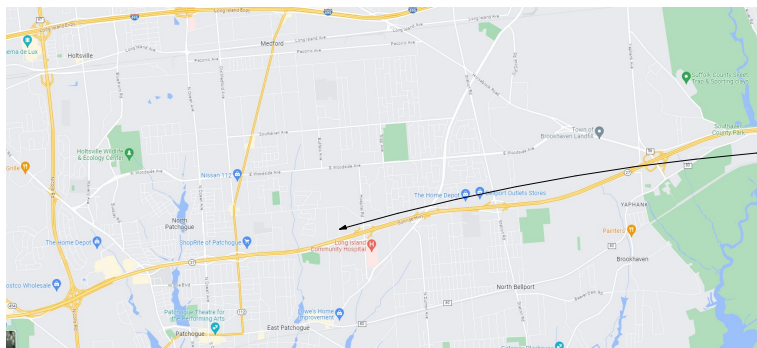


PROJECT 2: COMMERCIAL PROJECT

WILLIAM CORTEZ & TYRONE CLARKE
SITE DESIGN (ARC 364)
SUMMER 2023
PROFESSOR LOPICCOLO

406 ROBINSON AVE, EAST PATCHOGUE, NY



SITE LOCATION MAP
SCALE: N.T.S.

SITE



SITE AERIAL MAP
SCALE: N.T.S.

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD ⁱ	WIND SPEED ^d (mph)	SEISMIC DESIGN CATEGORY ^e	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED ^g	FLOOD HAZARDS ^f
			Weathering ^a	Frost line depth ^b	Termite ^c		
20	130	C	SEVERE	3'	HEAVY	YES	HIGH

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COVER SHEET
Scale: N.T.S.

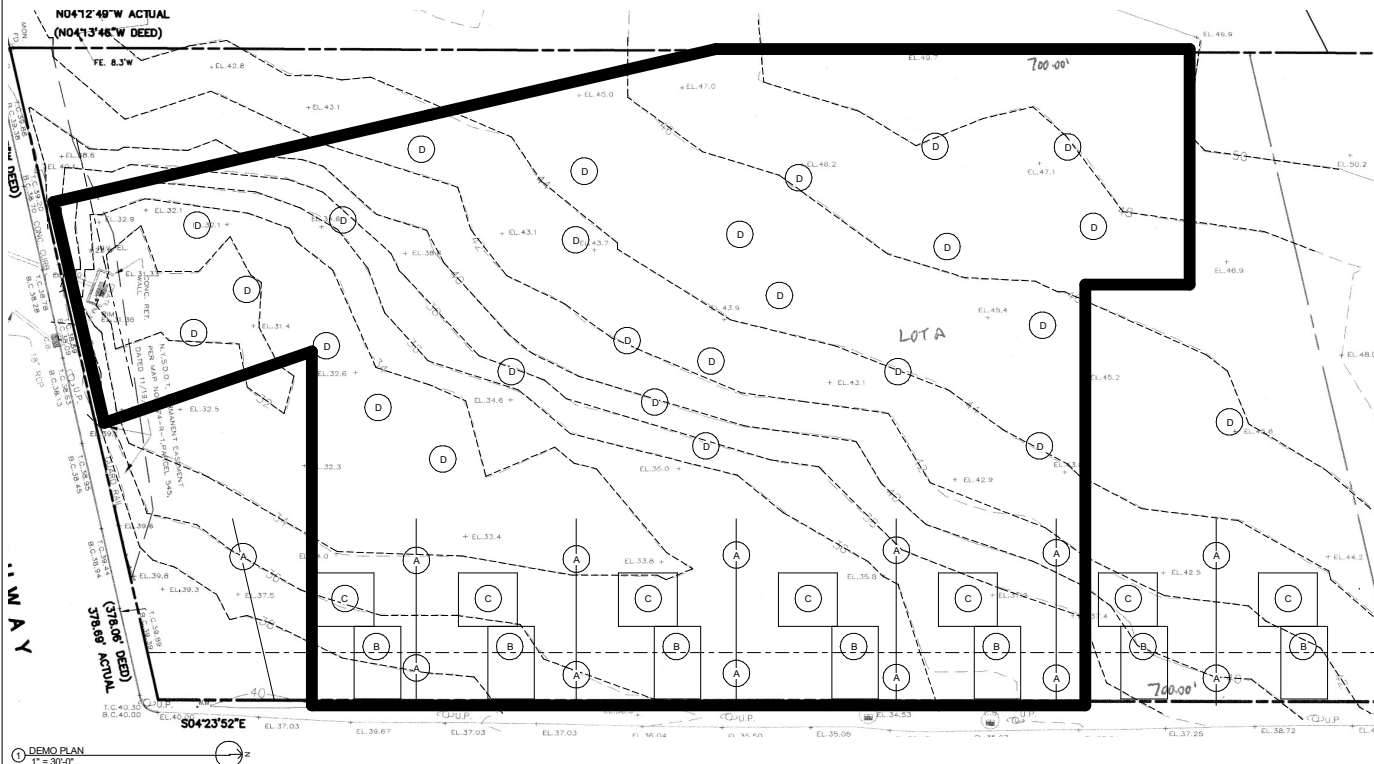
C-1

DEMOLITION LEGEND

- (A) REMOVE FENCE
- (B) REMOVE ASPHALT PAVEMENT
- (C) REMOVE HOUSE
- (D) REMOVE TREES (WITHIN LINED AREA)

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ABANDONED UTILITY SERVICE CONNECTIONS AND THE INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE ALL WORK WITH THE APPROPRIATE UTILITY COMPANY. REMOVAL OF EXISTING STRUCTURES, INCLUDING BUILDINGS, PUMP TANKS AND ALL OTHER STRUCTURES SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF THE TOWN OF ISIP AND ALL OTHER APPLICABLE AGENCIES AND UTILITY OPERATORS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR DEMOLITION AND DISPOSAL OF EXISTING STRUCTURES AND MATERIALS.
2. THE CONTRACTOR SHALL NOTIFY THE SUFFOLK COUNTY DEPARTMENT OF HEALTH, THE LOCAL FIRE DEPARTMENT AND THE ENVIRONMENTAL AGENCY AT LEAST SEVEN (7) DAYS PRIOR TO THE REMOVAL OF ANY UNDERGROUND FUEL STORAGE TANKS. TANKS SHALL BE DUMPED, PLOUGED AND REMOVED IN ACCORDANCE WITH HEALTH DEPARTMENT AND FIRE DEPARTMENT REGULATIONS.
3. ALL EXISTING STRUCTURES TO BE REMOVED (FOUNDATIONS, ETC.) SHALL BE REPLACED WITH CLEAN COMPACTED, GRANULAR FILL, COMPACTED TO 90% STANDARD PROCTOR DENSITY IN 6" LIFTS.
4. ALL PAVEMENT TO BE REMOVED SHALL BE PROPERLY DISPOSED OF OFF SITE. NO SCARIFIED PAVEMENT OR OTHER SERIES SHALL BE USED AS OR INCLUDED IN BACKFILL MATERIAL.
5. THE CONTRACTOR SHALL USE THE APPROPRIATE MEANS TO PREVENT SEDIMENT AND DEBRIS FROM WASHING TO ADJACENT PROPERTIES. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL. (SEE EROSION CONTROL MEASURES)
6. THE CONTRACTOR IS REFERRED TO THE TECHNICAL SPECIFICATIONS PREPARED BY THE PROJECT ARCHITECT FOR INFORMATION PERTAINING TO UNDESIRABLE SOILS TO BE REMOVED AND REPLACED IN THE VICINITY OF THE PROPOSED BUILDING PAD.
7. ALL SIDES OF PAVEMENT TO REMAIN SHALL BE SAVED.
8. ALL ASPHALT AND CONCRETE MATERIAL SHALL BE REMOVED TO FULL DEPTH WHERE LANDSCAPED AREAS ARE PROPOSED OR WHERE NEW CONSTRUCTION IS PROPOSED.
9. EXISTINGLY GRADED OR PAVED AREAS SHALL BE REMOVED BY SAWCUTTING AND REMOVING AFFECTED AREAS AND REPAVING TO FULL DEPTH MATCHING EXISTING.
10. ANY EXISTING FEATURE NOT SHOWN HERE TO BE REMOVED WHICH INTERFERES WITH THE PROPOSED CONSTRUCTION OR SERVES NO USEFUL PURPOSE IN THE PROPOSED PLANS SHALL BE GRADUALLY TO THE BUSINESS AND REMOVED AND DISPOSED OF OR ABANDONED IN ACCORDANCE WITH APPLICABLE RULES AND REGULATIONS.
11. CURB AND SIDEWALK ALONG SOUTH COUNTRY ROAD (MONTAUX HIGHWAY) AND OLIVETTE AVENUE SHALL BE RECONSTRUCTED WHERE DEEMED NECESSARY BY TOWN, COUNTY OR STATE ENGINEERS.
12. ANY EXISTING TREES LOCATED AROUND THE PERIMETER OF THE PROPERTY WILL BE REMOVED.
13. CAUTION - NOTICE TO CONTRACTOR: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITIES COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST THE EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PREVENT REMOVAL AS REQUIRED TO MEET EXISTING CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED APPROPRIATE SHOWN ON THE PLANS.
14. CARE SHALL BE TAKEN NOT TO DISTURB EXISTING UTILITIES AND SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ABANDONED UTILITY SERVICE CONNECTIONS AND INSTALLATION OF THE NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY WHERE APPLICABLE.
15. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES ASSOCIATED WITH ALL PERMITS NECESSARY TO COMPLETE THE WORK.
16. CONTRACTOR IS RESPONSIBLE TO VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF ANY WORK. ANY AND ALL DISCREPANCIES ARE TO BE DOCUMENTED AND SUBMITTED TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
17. CONTRACTOR MUST CALL UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION AT LEAST 2 DAYS BEFORE STARTING EXCAVATION, DRILLING OR BLASTING.
18. EXISTING CURBS, SIDEWALK AND CURB CUT APPROX. REMOVED SHALL BE REPLACED FROM EXPANSION JOINT TO EXPANSION JOINT TO ITS FULL DEPTH OF RECONSTRUCTION.
19. CONTACT THE ENGINEER INSPECTOR (E-30-25A-2500) AT LEAST 24 HOURS PRIOR TO START OF ANY WORK. WORK PERFORMED WITHOUT INSPECTION SHALL BE CERTIFIED TO THE ENGINEER'S SATISFACTION AT APPLICANT'S EXPENSE.
20. THE CONTRACTOR SHALL OBTAIN A TOWN DPW ROAD OPENING PERMIT BEFORE CONSTRUCTION.



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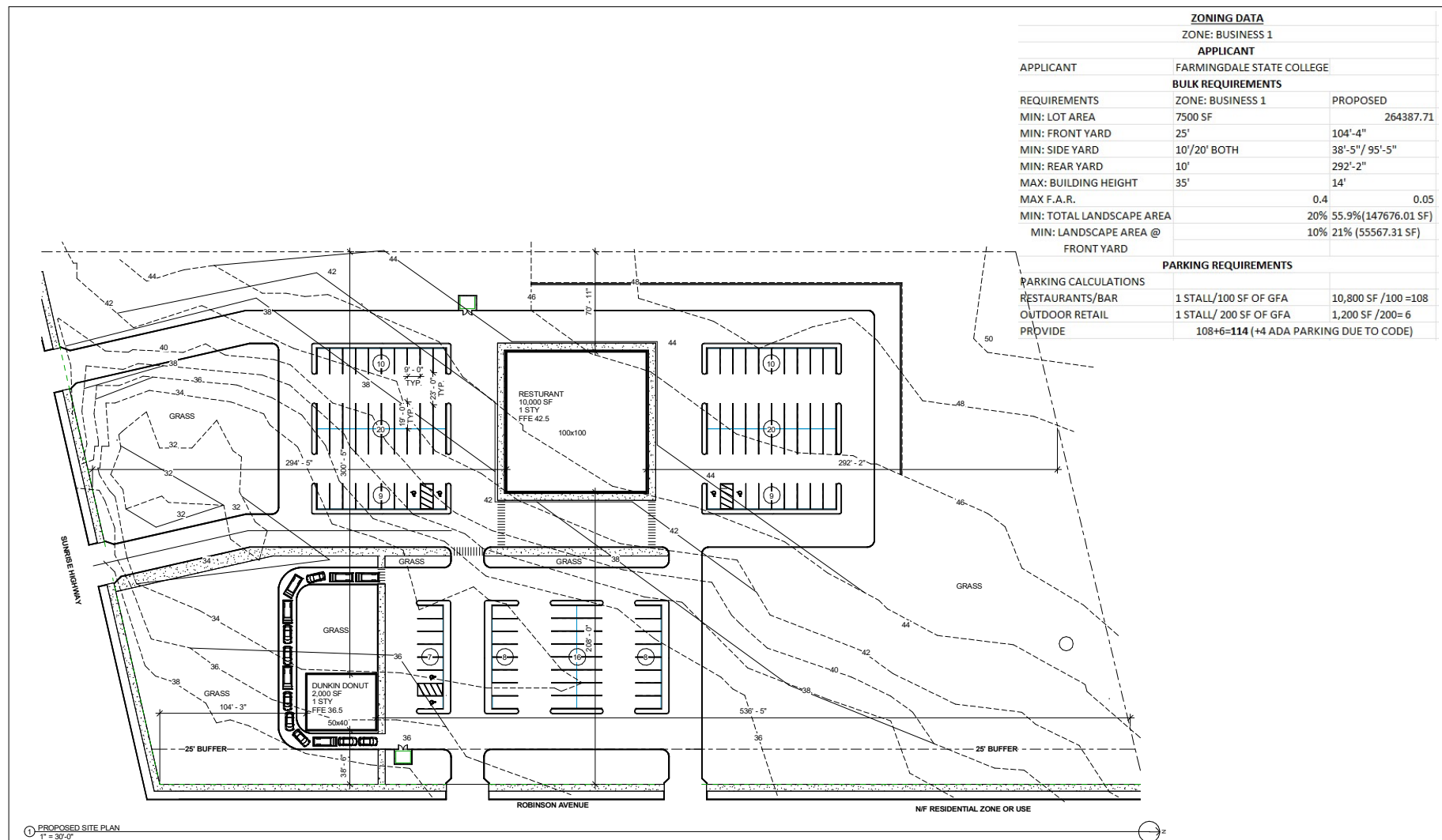
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**DEMOLITION PLAN
SCALE: 1"=30'-0"**

C-2



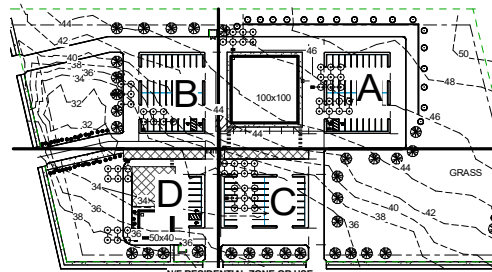
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Site Design- 62497
Summer 2023

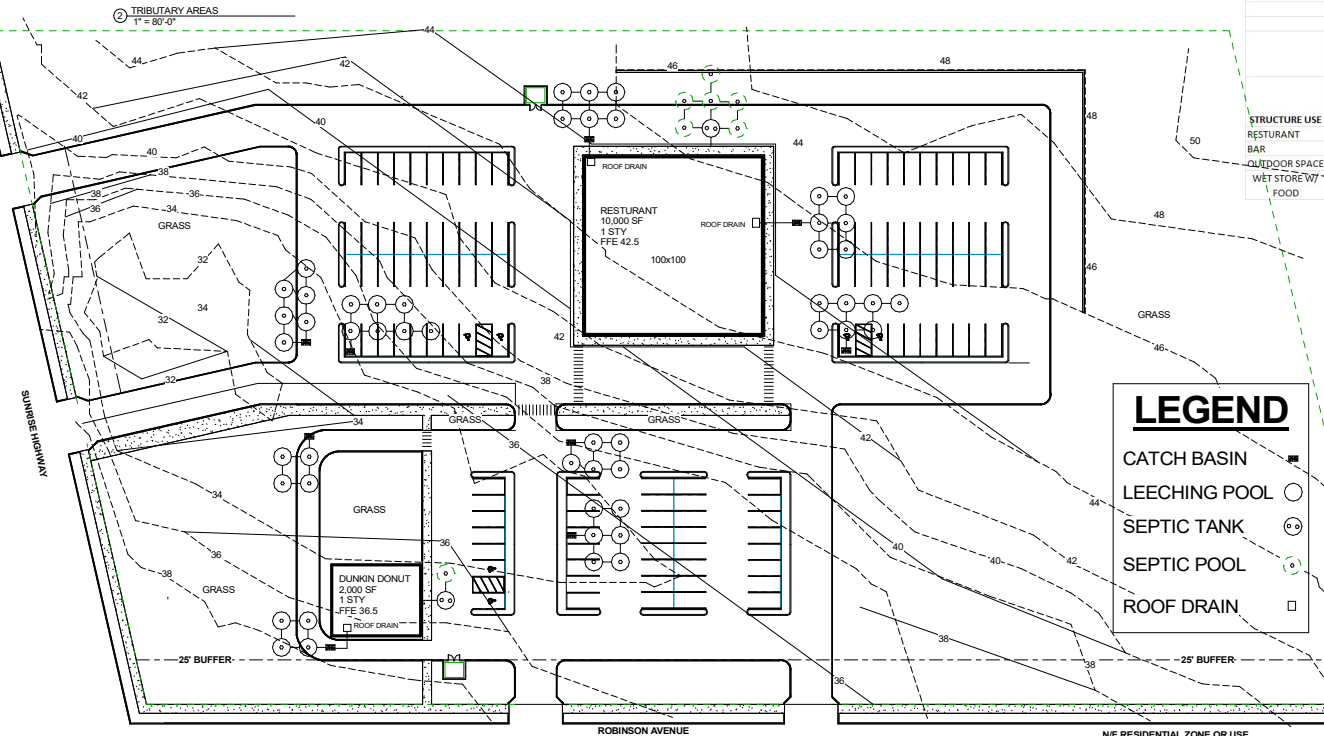


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PROPOSED SITE PLAN
SCALE: 1"=30'-0"

C-3



AREA	SURFACE MATERIAL	C	I	A	Q STORAGE REQ'D (SF)	TOTAL STORAGE REQ'D (SF)	TOTAL DEPTH OF 10' DIA. LP REQ'D (VF)	QTY OF 7' H 10' DIA LPS PROPOSED	QTY OF 7' H 10' DIA LPS PROPOSED-ROUNDED UP
A	PAVEMENT	1	0.17	35544	6042.48	8719.99	127.45	18.21	19
	LANDSCAPE	0.15	0.17	38333.81	977.51				
	ROOF	1	0.17	10000	1700				
B	PAVEMENT	1	0.17	29398.9	4997.81	5789.89	84.62	12.09	13
	LANDSCAPE	0.15	0.17	31061.85	792.08				
	PAVEMENT	1	0.17	22903.03	3893.52				
C	LANDSCAPE	0.15	0.17	53774.89	1371.26	5264.77	76.95	10.99	11
	PAVEMENT	1	0.17	14865.77	2527.18				
	LANDSCAPE	0.15	0.17	24505.46	624.89				
D	PAVEMENT	1	0.17	2000	340	3492.07	51.04	7.29	8
	LANDSCAPE	0.15	0.17	24505.46	624.89				
TOTAL AREA				262387.71					



TOTAL AREA	262387.71
TOTAL ACRE	6.02 GPD PER ZONE
ALLOWED SANITARY FLOW RATE	3614.16
VOLUME OF 10' DIA. 6'H. SEPTIC POOL	500
QTY OF SEPTIC POOL 10' DIA 6' H	6
QTY OF SEPTIC POOL 10' DIA 6' H-ROUNDED UP	1

LEGEND

- CATCH BASIN
- LEECHING POOL
- SEPTIC TANK
- SEPTIC POOL
- ROOF DRAIN

① GRADING/DRAINAGE/SEPTIC PLAN
1" = 30'-0"

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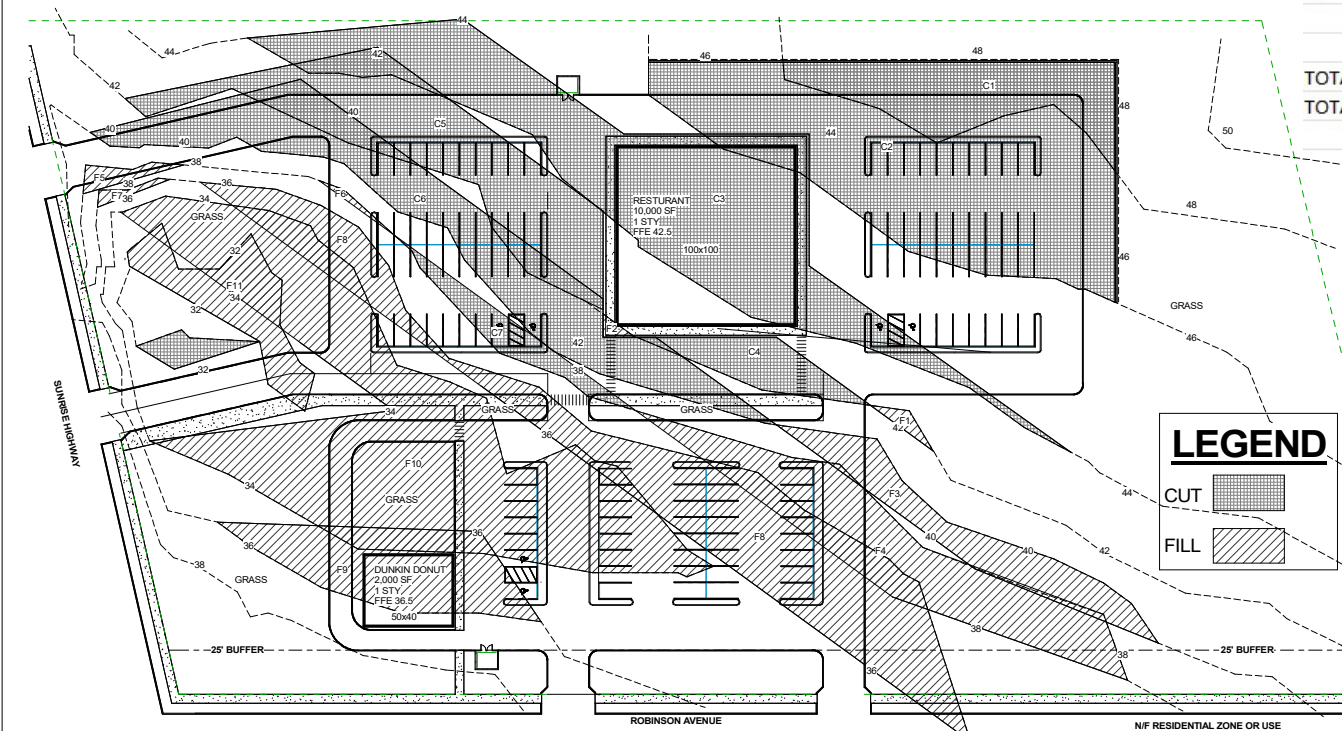
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Grading/Drainage/Septic Plan
Scale: 1"=30'-0"

C-4

CUT	FILL	
C1	5676.22	F1 224.1
C2	22870.8	F2 117.72
C3	18447.58	F3 4082.16
C4	2122.36	F4 8577.25
C5	10144.16	F5 422.45
C6	10919.81	F6 103.15
C7	1641.41	F7 169.9
C8	15286.36	F8 15286.36
C9	684.05	F9 5785.28
		F10 23953.75
		F11 3365.1
TOTAL CUT SF	87792.75	TOTAL FILL SF 62087.22
TOTAL CUT CY	6503.17	TOTAL FILL CY 4599.05
	EXCESS CUT CY	1904.11



① CUT AND FILL CALCULATIONS
1" = 30'-0"

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Site Design- 62497
Summer 2023

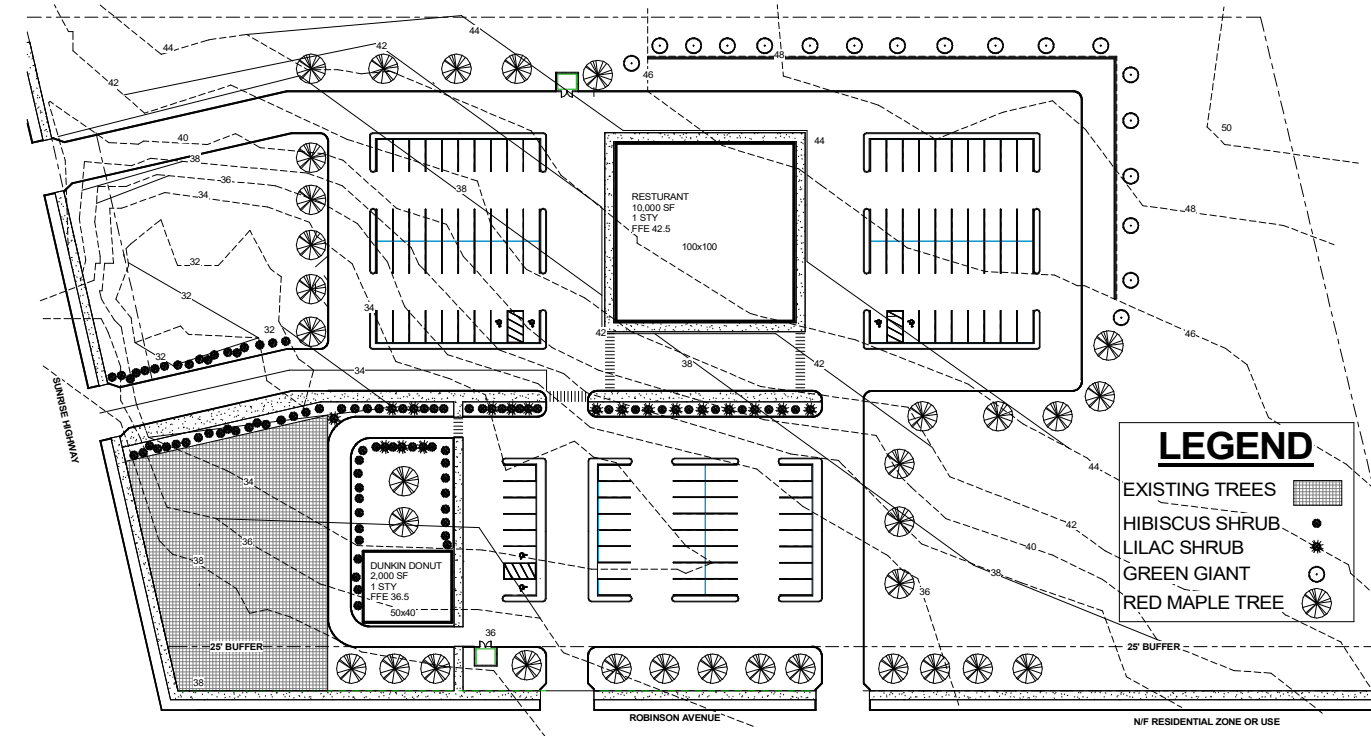


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CUT & FILL CALCULATIONS
SCALE: 1"=40'-0"

C-5

BOTANICAL NAME	COMMON NAME	QTY	SIZE
SHURBS			
Hibiscus rosa-sinensis	Hibiscus	82	5' HT
Syringa vulgaris	Lilac	15	7'-6" HT
TREES			
Thuja standishii x plicata	Green Giant	18	6' HT
Acer rubrum	Red Maple Tree	31	30' HT



① LANDSCAPE PLAN
1" = 30'-0"

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LANDSCAPING PLAN
SCALE: 1"=30'-0"

C-6

