

Scope of Work

- * Existing driveway to be replaced
- * Revised associated landscape
- * Overall improvement of permeable square footage.

Private Residence 241 Fairview Road Palm Beach

Application #: ARC-23-077
Final Jubmittal
Projected Hearing Date: 06.28.2023

D

Sheet Index

Cover Sheet
L1.0 - Existing Site Photos
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L9.0 - Landscape Elevation
Site Plan Town Record
Civil Engineering Plan

RECEIVED

By yfigueroa at 8:32 am, May 17, 2023

Design Team/Consultants

Landscape Architects

ENVIRONMENT DESIGN GROUP

139 NORTH COUNTY ROAD SUITE 20B

PALM BEACH, FL 33480

561.832.4600

WWW.ENVIRONMENTDESIGNGROUP.COM

Civil Engineer

GRUBER CONSULTING ENGINEERS
2475 MERCER AVE
WEST PALM BEACH, FL 33401
561.312.2041















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ARC-23-077

Existing Site / Limits of Work Photos





249 Fairview Drive

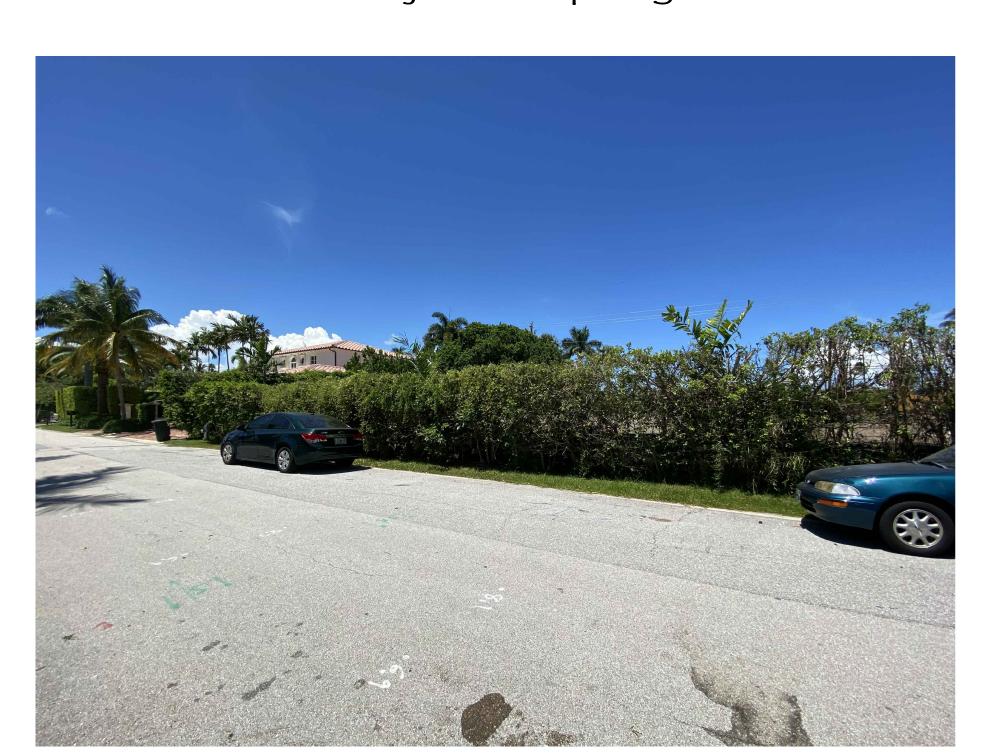


241 Fairview Drive Jubject Property





The Beach Club's Croquet And Tennis Courts



JOB NUMBER: # 22124.00 LA
DRAWN BY: Alex Bugrii
DATE: 04.10.2023

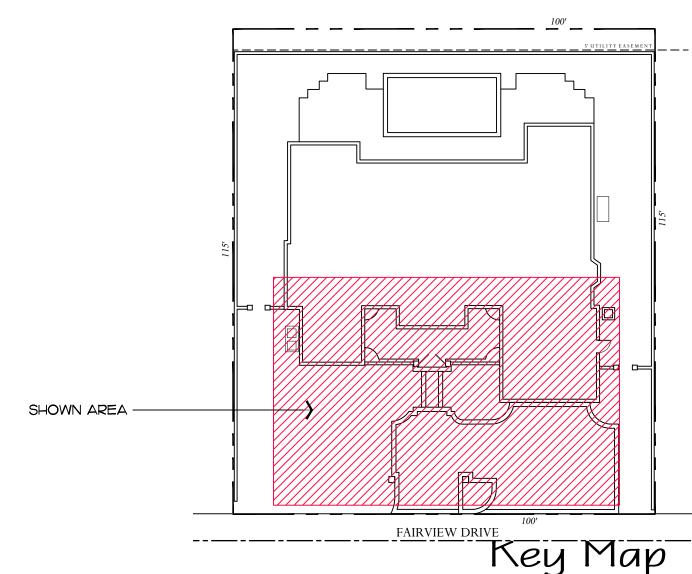
/HEET L1.1

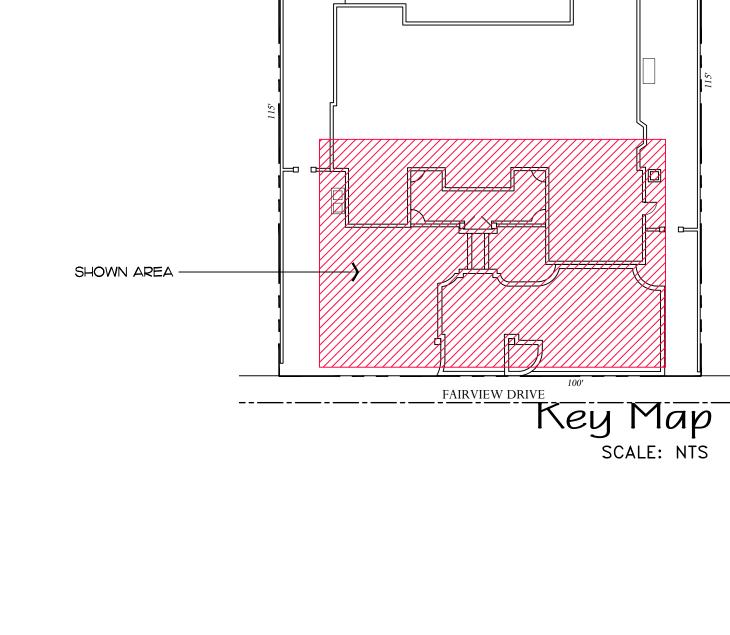
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ARC-23-077

Existing Site Photos - Neighborhood context

Landscape Architecture Land Planning Landscape Management Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com





- 2 PARTIAL MODIFICATION OF EXISTING LANDSCAPE

EXISITNG TRACHELOSPERMUM JASMINOIDES CONFIDERATE JASMINE GROUNDCOVER TO REMAIN EXISTING GARDENIA TO REMAIN EXISITNG PODOCARPUS PODOCARPUS HEDGE 12" HT <u>TO REMAIN</u> EXISITNG PODOCARPUS PODOCARPUS HEDGE 5' HT <u>TO REMAIN</u> EXISTING GARDENIA TO REMAIN EXISTING ARALIA TREE 14' HT TO REMAIN Revisions EXISTING FICUS NITIDA FICUS HEDGE 8' OA HT TO REMAIN EXISITNG FICUS MICROCARPA GREEN ISLAND FICUS TO REMAIN EXISTING FICUS NITIDA FICUS HEDGE 8' OA HT <u>TO REMAIN</u> () PARTIAL REMOVAL OF EXISTING BOUGAINVILLEA BARBARA KARST BOUGAINVILLEA VINE TO REMAIN EXISTING DRIVEWAY EXISTING ARCHONTOPHOENIX ALEXANDRAE TRIPLE TRUNK ALEXANDER PALM 25' OA HT TO REMAIN EXISTING BUTIA CAPITATA PINDO PALM <u>TO REMAIN</u> EXISITNG PODOCARPUS PODOCARPUS SHRUB TO REMAIN EXISTING ROYSTONEA REGIA ROYAL PALM TO REMAIN EXISTING BEAUCARNEA RECURVATA PONYTAIL PALM <u>TO REMAIN</u> EXISTING DRIVEWAY TO BE MODIFIED EXISTING HIBISCUS HEDGE TO BE REMOVED EXISTING FICUS NITIDA FICUS HEDGE TO BE REMOVED EXISTING FICUS MICROCARPA GREEN ISLAND FICUS TO BE REMOVED EXISITNG PHOENIX CANARIENSIS CANARY ISLAND DATE PALM 29' OA HT TO REMAIN

FAIRVIEW DRIVE

∫ite Data

LOT ZONE	R-B - LOW DENSITY RESIDENTIAL							
DESCRIPTION	REQUIRED		EXISTING		PREVIOUSLY APPROVED		CURRENTLY PROPOSED	
LOT AREA	10,000 S.F. N	MINIMUM	11,500 S.F.		11,500 S.F.		11,500 S.F.	
OPEN / PERMEABLE SPACE	MINIMUM 45%	5,175 S.F.	42.2%	4,853 S.F.	43.59%	5,013 S.F.	44.4%	5,112 S.F.
FRONT YARD LANDSCAPE	MINIMUM 40% OF FRONT YARD	1,000 S.F.	40%	1,000 S.F.	56%	1,400 S.F.	59.2%	1,481 S.F.
PERIMETER LANDSCAPE WITHIN 10' OF PROPERTY LINE	MINIMUM 50% OF REQ'D OPEN SPACE	2,587 S.F.	59.57%	3,083 S.F.	63.57%	3,290 S.F.	64.7%	3,350 S.F.

ARC-23-077

∕ĦEET L2.0

JOB NUMBER: # 22124.00 LA DRAWN BY: "Mick Pastor DATE: 07.20.2022

NVIRONMENT

DE/IG/I ROUP

139 North County Road S#20−B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424

Landscape Architecture

Landscape Management

Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com

Land Planning

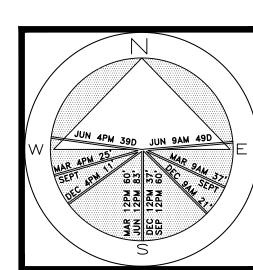
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Existing Vegetation Inventory & Action Plan

5' UTILITY EASEMENT INTERIOR TREES AND PALMS WILL BE REMOVED WHEN NECESSARY FOR SITE UTILIZATION AND CONSTRUCTION DEVELOPMENT. A CONSTRUCTION SCREEN WILL BE ADDED IN THESE AREAS UNTIL SITE WALLS, NEW FENCING, OR NEW LANDSCAPING IS INSTALLED. AT NO TIME SHALL THE SITE BE OPEN TO ADJACENT PROPERTIES WITHOUT ANY PERMANENT OR TEMPORARY SCREENING DURING CONSTRUCTION. 18' HT. CHAIN-LINK CONSTRUCTION FENCE W/ SCREENING 6' HT. X 20' WIDE CHAIN-LINK ROLLING GATE W/ SCREENING FAIRVIEW DRIVE

DE/IG/I GROUP 139 North County Road S#20-B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424 Landscape Architecture Land Planning Landscape Management Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com



JOB NUMBER: # 22124.00 LA DRAWN BY: Aick Pastor DATE: 08.24.2022

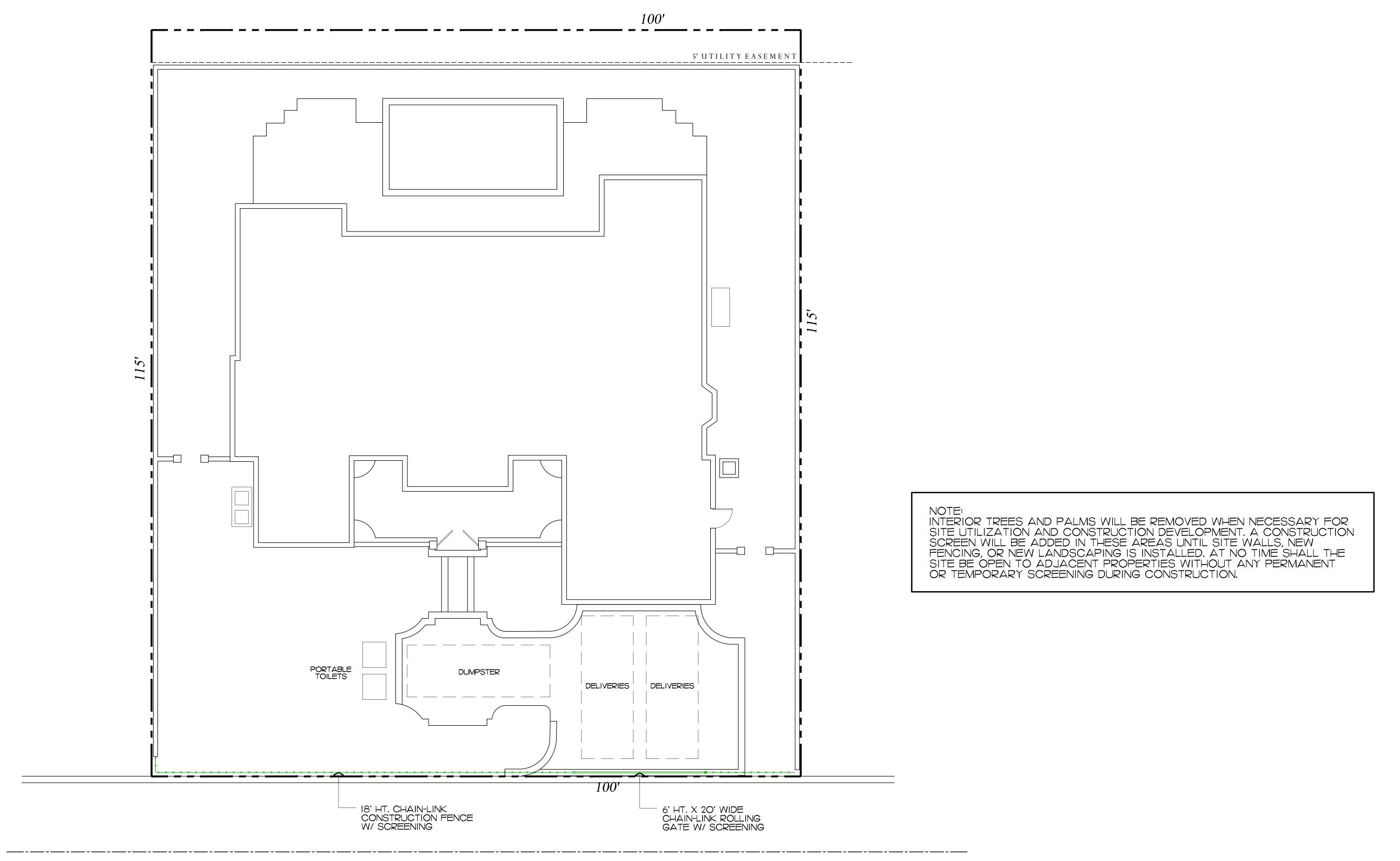
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ARC-23-077 Construction Screening Plan Scale IN FEET O'



FAIRVIEW DRIVE

ARC-23-077 Construction Staging Plan Scale IN FEET O'

ROUP 139 North County Road S#20-B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424 Landscape Architecture Land Planning Landscape Management Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com

JOB NUMBER: # 22124.00 LA
DRAWN BY: Aick Pastor
DATE: 08.24.2022

∕ĦEET L4.0

64 sf.

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PROPOSED TRUCK INGRESS / EGRESS ROUTES MAP

SCHEDULE:

MONTH 1: DEMOLITION AND CLEANUP (3 - 5 DAYS)

LARGEST TRUCK ->

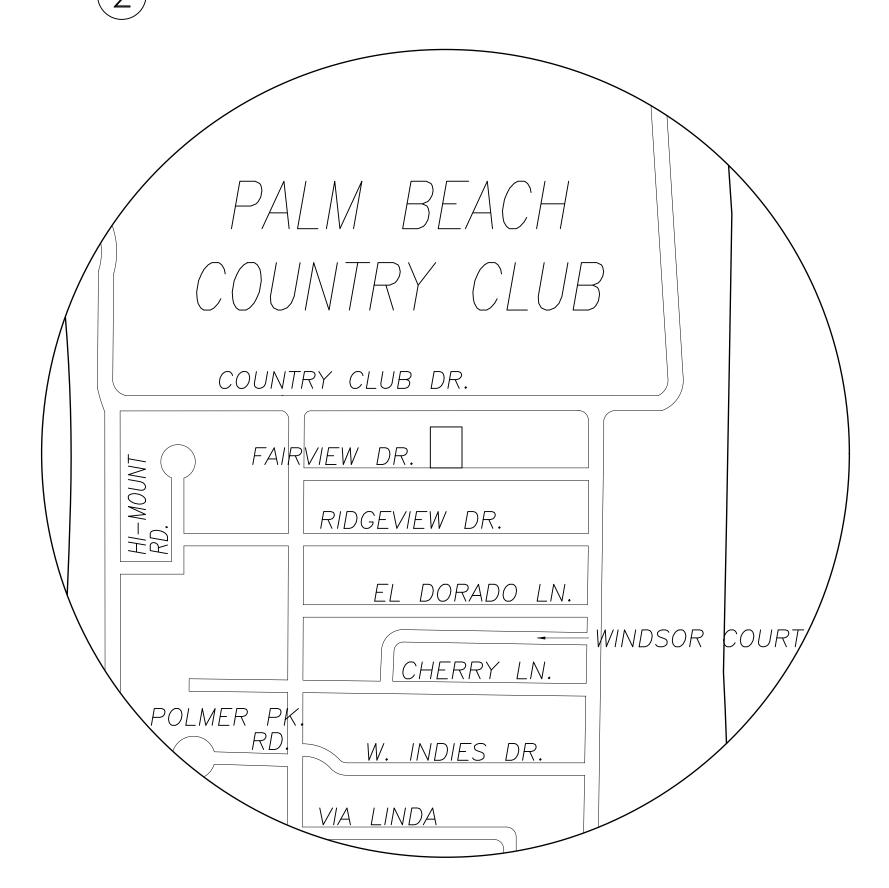
10-15 DUMP TRUCKS FOR DEBRIS REMOVAL TRAILER FOR EXCAVATOR / DEMOLITION LANDSCAPE TRUCKS ->

SOD IRRIGATION

NOTE: SEE SEPARATE "CONSTRUCTION STAGING PLAN" SHEET FOR INFORMATION ON LOCATIONS FOR PARKING, MATERIAL STORAGE, DELIVERIES, DUMPSTER, PORTABLE TOILETS, TIRE CLEANING AREA, SILT FENCE, ETC.

PROPOSED INGRESS TRUCK ROUTE

PROPOSED EGRESS TRUCK ROUTE



7 esidenc

AVIROAME/

DE/IG/I ROUP

139 North County Road S#20-B Palm Beach, FI 33480 Phone 561.832.4600 Mobile 561.313.4424

Landscape Architecture

Landscape Management

Dustin M. Mizell, MLA RLA #6666784 Dustin@environmentdesigngroup.com

Land Planning

JOB NUMBER: # 22124.00 LA DRAWN BY: Aick Pastor
DATE: 08.24.2022
05.16.2023

/HEET L5.0

ARC-23-077

Truck Logistics Plan

SCALE: NOT TO SCALE

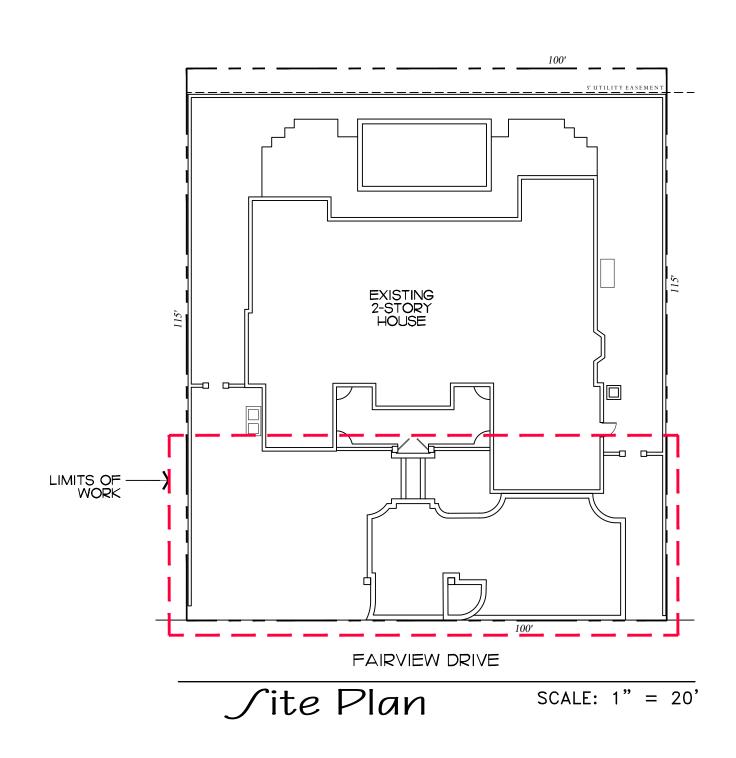
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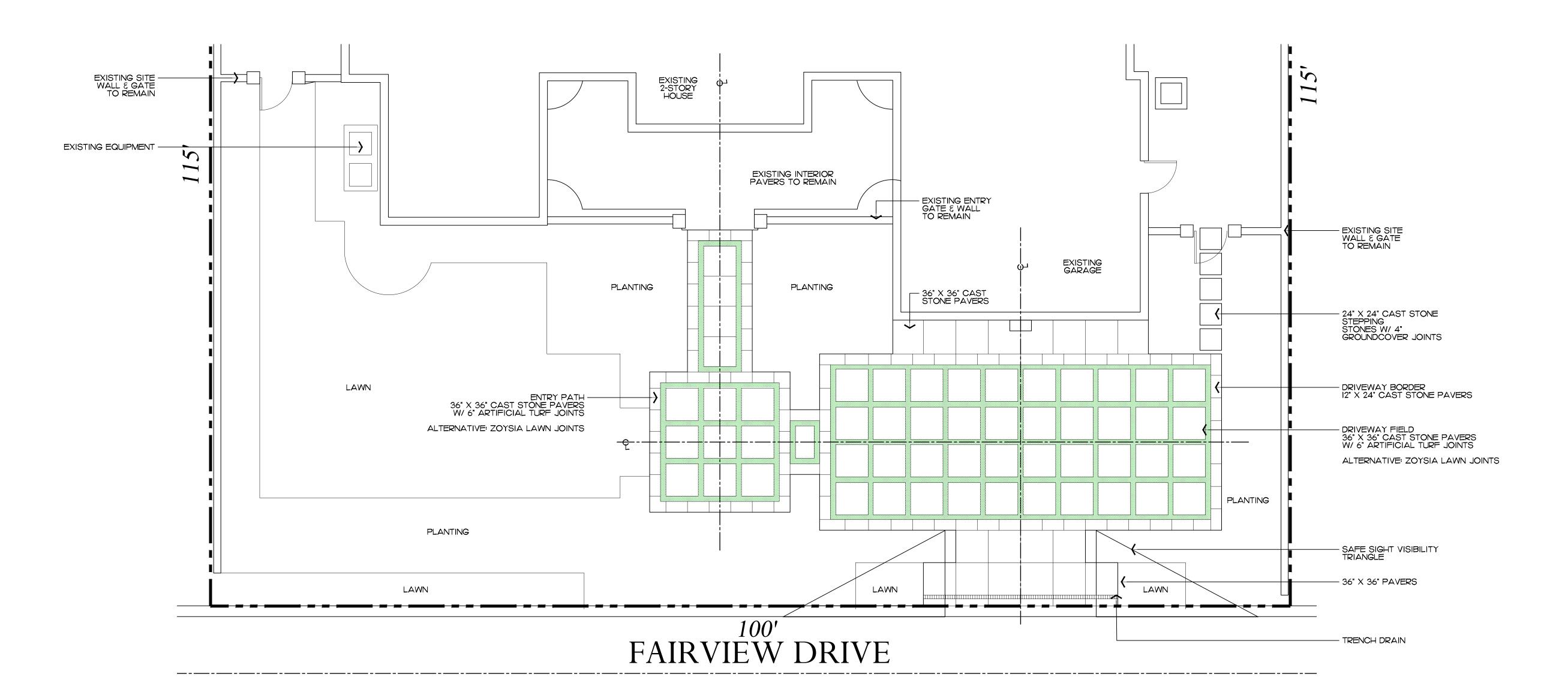
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Hardscape Materials



DRIVEWAY FIELD - 36" X 36" CAST STONE PAVERS W/ 6" ARTIFICIAL TURF JOINTS DRIVEWAY BORDER - 12" X 24" CAST STONE PAVERS ALTERNATIVE: ZOYSIA LAWN JOINTS



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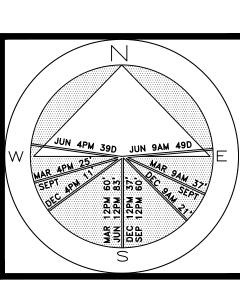
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ARC-23-077
Front Yard Improvement Plan
SCALE: 3/16" = 1'-0"





JOB NUMBER: # 22124.00 LA DRAWN BY: Adam Mills Jean Twomey 03.27.2023 04.21.2023 05.16.2023



64 sf.



IMPERVIOUS AREA (HOUSE/STRUCTURE)

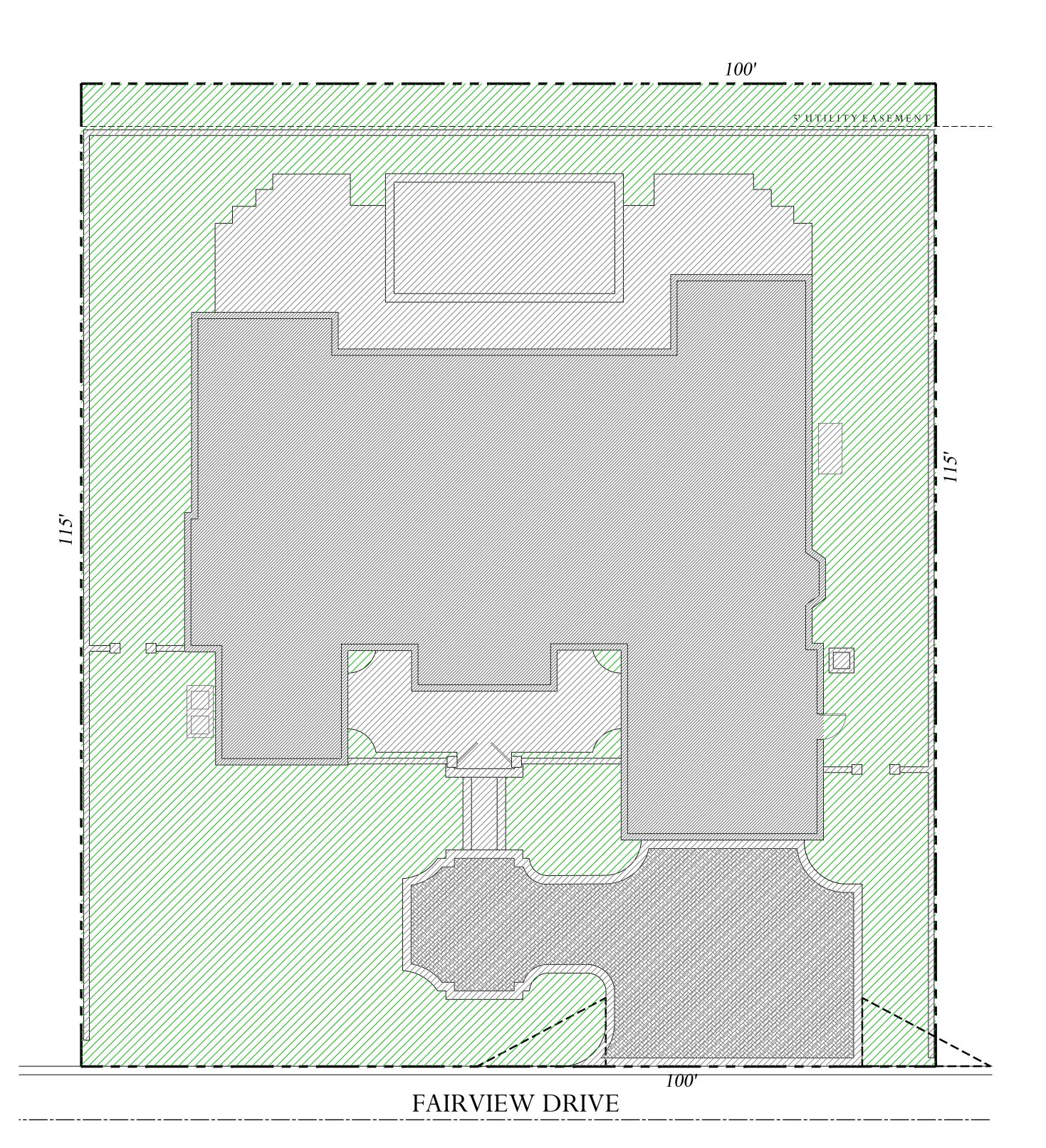
PERVIOUS AREA / OPEN SPACE

IMPERVIOUS AREA (HARDSCAPE)

∫ite	Data
_	

	-							
LOT ZONE				R-B - LOW DENSI	TY RESIDENTIAL	-		
DESCRIPTION	REQUIRE	ED .	EXIS	TING	PREVIOUS	SLY APPROVED	CURREN'	TLY PROPOSED
LOT AREA	10,000 S.F. MINIMUM		11,500 S.F.		11,500 S.F.		11,500 S.F.	
OPEN / PERMEABLE SPACE	MINIMUM 45%	5,175 S.F.	42.2%	4,853 S.F.	43.59%	5,013 S.F.	44.4%	5,112 S.F.
FRONT YARD LANDSCAPE	MINIMUM 40% OF FRONT YARD	1,000 S.F.	40%	1,000 S.F.	56%	1,400 S.F.	59.2%	1,481 S.F.
PERIMETER LANDSCAPE WITHIN IO' OF PROPERTY LINE	MINIMUM 50% OF REQ'D OPEN SPACE	2,587 S.F.	59.57%	3,083 S.F.	63.57%	3,290 S.F.	64.7%	3,350 S.F.





FAIRVIEW DRIVE

JOB NUMBER: # 22124.00 LA
DRAWN BY:
DATE: 03.27.2023
05.16.2023

/HEET L6.1

Previously Approved Plan

Currently Proposed Plan

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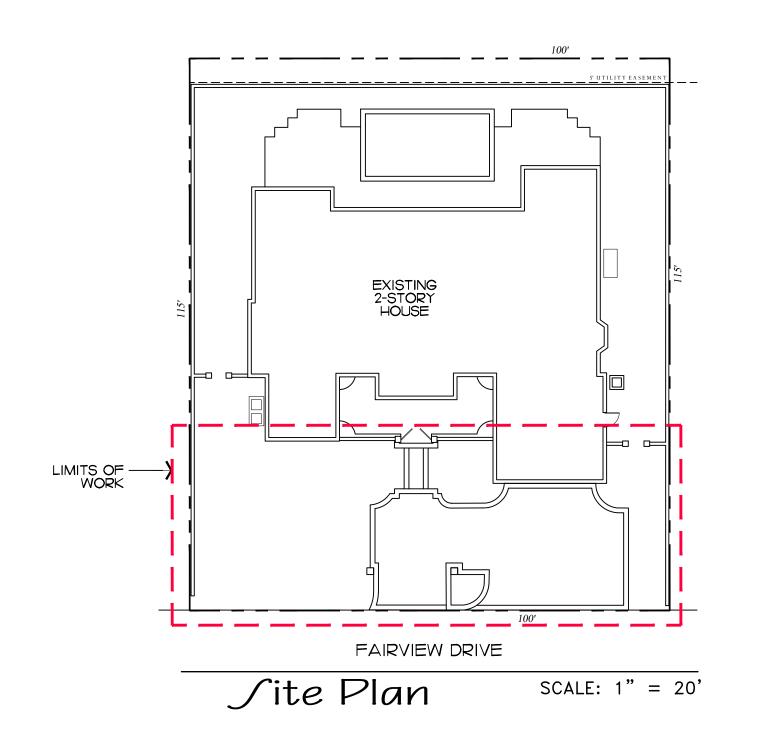
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ARC-23-077

Site Calculations / Open Space Graphics Scale IN FEET O' 8' 16' 24'



Trees & Palms

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	PHOENIX CANARIENSIS CANARY ISLAND DATE PALM	1	29' OA HT	NO
\odot	CALOPHYLLUM INOPHYLLUM CALOPHYLLUM	4	16' OA HT	NO
\odot	COCCOLOBA DIVERSIFOLIA PIGEON PLUM TREE	3		
		•		

TOTAL TREES: 7 NATIVES: 3 (42.85%)

Vines & Groundcovers

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	TRACHELOSPERMUM ASIATICUM JASMINE MINIMA GROUNDCOVER	122	I GAL., 12" O.C.	NO
	LANTANA MONTEVIDENSIS 'WHITE' WHITE LANTANA	194	I GAL., 12" O.C.	YES
	TRACHELOSPERMUM JASMINOIDES CONFEDERATE JASMINE VINE	3	I5 GAL	NO

TOTAL: NATIVES: 194 (60.8%)

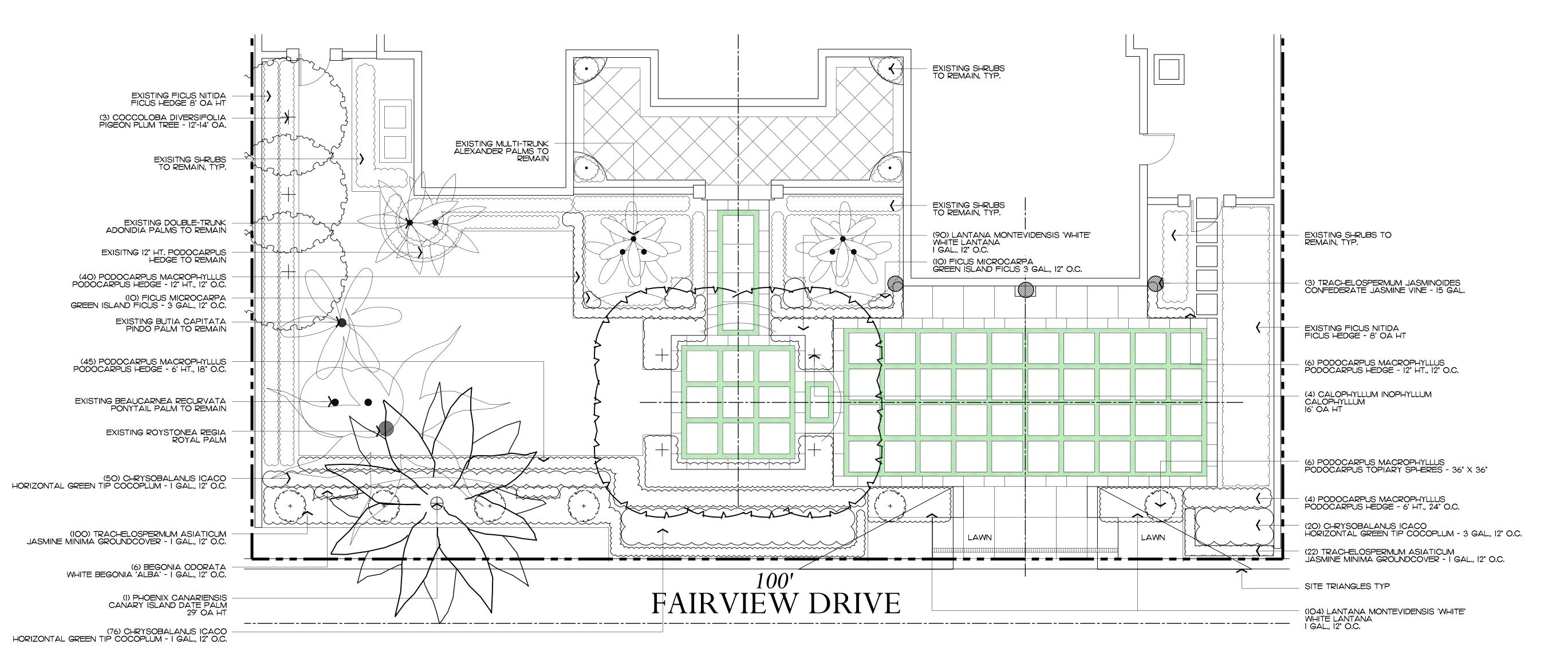
Shrubs

SYMBOL	PLANT NAME	QTY.	DESCRIPTION	NATIVE
	PODOCARPUS MACROPHYLLUS PODOCARPUS HEDGE	46	12" HT., 12" O.C.	NO
	PODOCARPUS MACROPHYLLUS PODOCARPUS HEDGE	49	6' HT., 18" O.C.	NO
	PODOCARPUS MACROPHYLLUS PODOCARPUS HEDGE	6	36" X 36"	NO
	FICUS MICROCARPA GREEN ISLAND FICUS	20	3 GAL., 12" O.C.	NO
	CHRYSOBALANUS ICACO HORIZONTAL GREEN TIP COCOPLUM	146	I GAL., 12" O.C.	YES
	BEGONIA ODORADA WHITE BEGONIA 'ALBA'	6	I GAL., 12" O.C.	NO

TOTAL: NATIVES: 146 (53.5%)

Native Vegetation

LESS THAN 50% OF THE EXISTING LANDSCAPE/ GREENSPACE IS BEING REDEVELOPED



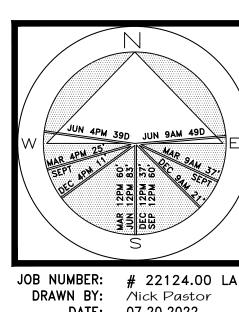
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Landscape Plan

ARC-23-077

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DATE: 07.20.2022 09.14.2022 05.16.2023

/HEET L7.0

64 sf.



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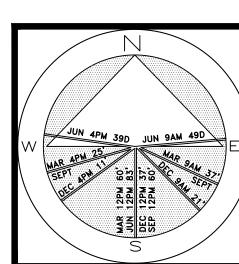
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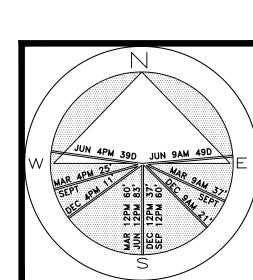
ARC-23-077 Rendered Landscape Plan - Limits of Work

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JOB NUMBER: # 22124.00 LA
DRAWN BY: Sean Twomey
DATE: 05.16.2023

√HEET L8.0



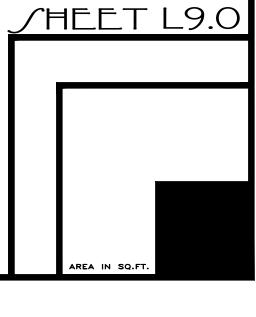
JOB NUMBER: # 22124.00 LA
DRAWN BY: Sean Twomey
DATE: 05.16.2023

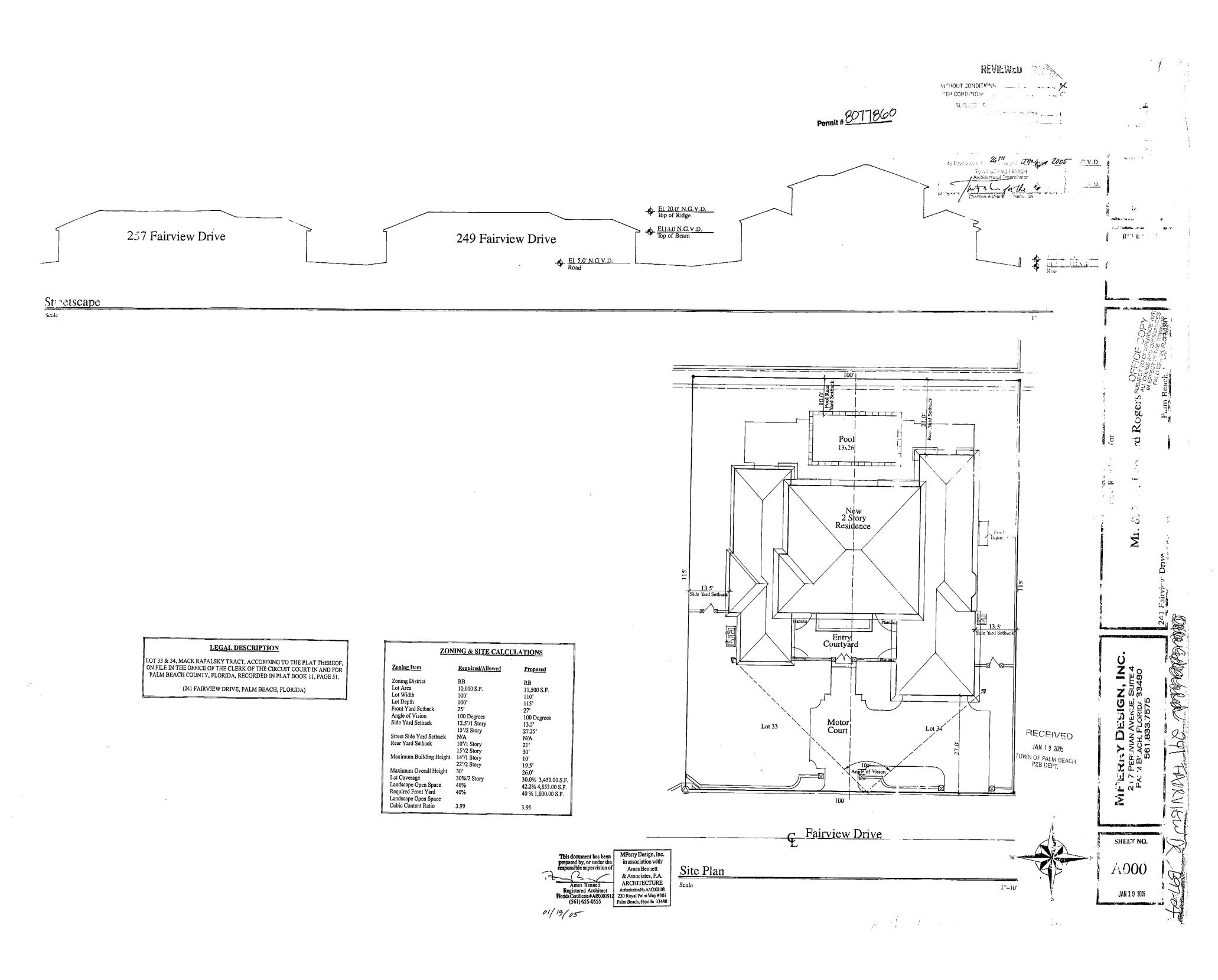
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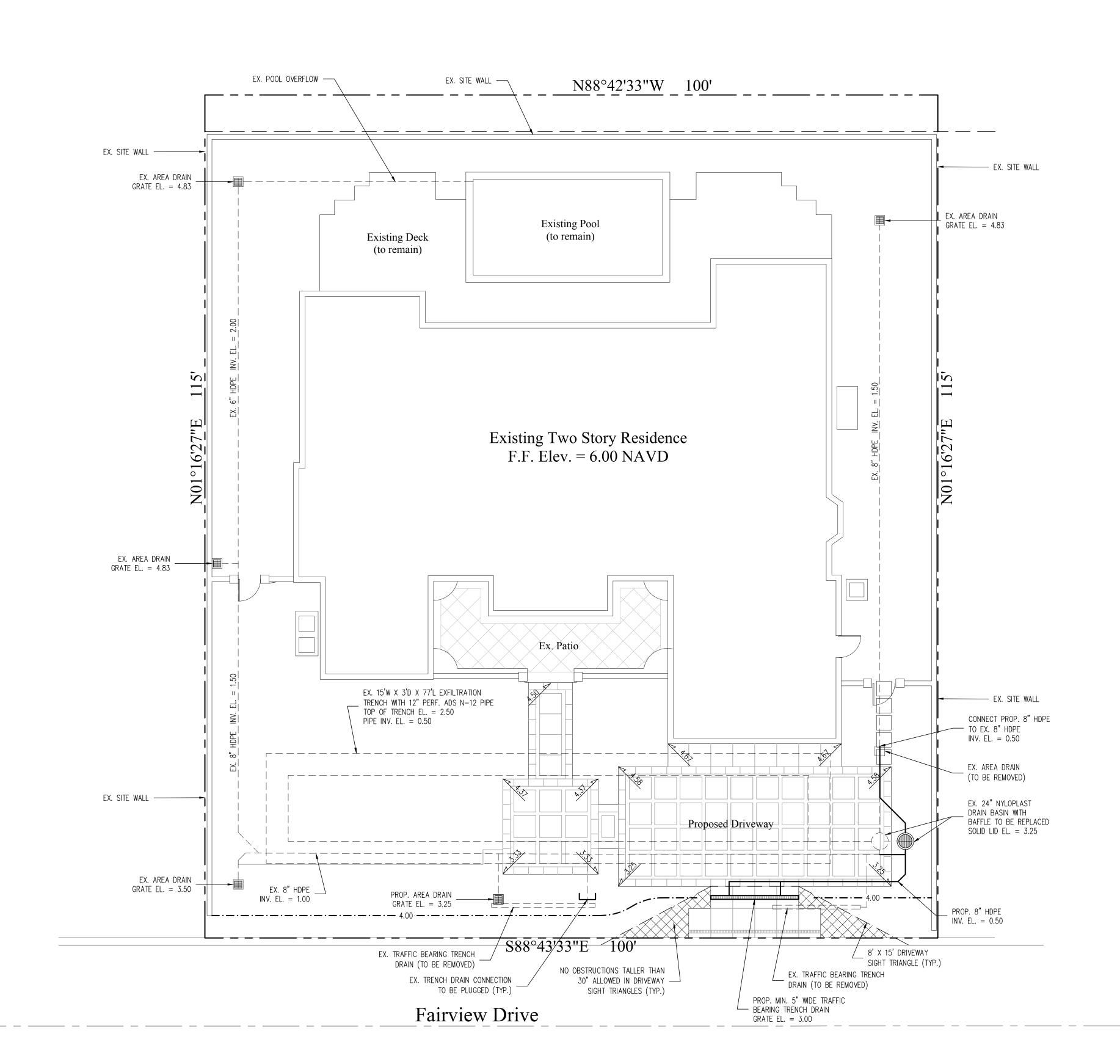
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ARC-23-077
Front Elevation Rendering





49 ,



STORMWATER RETENTION CALCULATIONS

A. <u>SITE INFORMATION</u>

C = 1.0 (impervious surface) C = 0.2 (pervious surface) i = 2 in/hr

Pervious Runoff Volume:

roots with a root barrier.

each affected lane.

installation of sod.

completion of project.

control measures during construction.

Notes:

Impervious Surface Runoff Volume:

Total Property Area = 11,500 sq.ft.

Drainage Area Impervious Surface = 6,416 sq.ft.

Drainage Area Pervious Surface = 5,084 sq.ft.

B. ESTIMATED STORMWATER RETENTION VOLUME

 $1.0 \times 2 \text{ in/hr} \times 6,416 \text{ sq.ft.} \times 1 \text{ ft./}12 \text{ in.} = 1,070 \text{ cu.ft.}$

 $0.2 \times 2 \text{ in/hr} \times 5,084 \text{ sq.ft.} \times 1 \text{ ft./}12 \text{ in.} = 170 \text{ cu.ft.}$

C. EXISTING EXFILTRATION TRENCH SIZING

Hydraulic Conductivity

Depth to Water Table

Saturated Trench Depth

DU = Un-Saturated Trench Depth

L = Total Length of Trench Provided = 77

* Exfiltration test required prior to building permit submittal.

1) Exfiltration trenches and storm piping to be protected from

2) Roof drain downspouts are to be connected to the proposed

drainage system. Contractor to provide engineer with

downspout locations prior to installation of drainage system.

hydraulic conductivity prior to exfiltration trench installation.

3) Exfiltration trench design uses an assumed value of hydraulic

4) Contractor shall mill and overlay all roadway cuts a minimum

of 50 ft. on either side of the excavation the entire width of

5) Contractor is responsible for installing and maintaining erosion

6) Video inspection of storm drainage system required prior to

grading/drainage plan by Doug Winter Companies, Inc., revision dated 12/16/04. Existing drainage system shall be cleaned, video inspected, rehabilitated and re-certified prior to

7) Existing storm drainage shown per conceptual site

conductivity. Client may obtain a site specific test for

= 0.00005 cfs/sq.ft./ft. of head*

= 1.50 ft

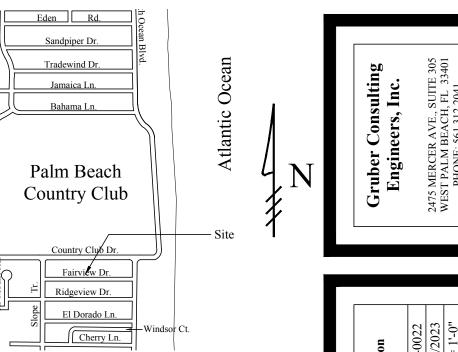
= 967 cu.ft.

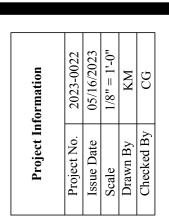
Total Volume to be Retained = 1,240 cu.ft.

The retention volume is estimated using the Rational Method (Q=CiA)

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OF FLORIDA, INC.
Contractor is responsible for obtaining location of existing utilities prior to commencement of construction activities.







Renovation

pe

Legend

+ EXISTING ELEVATION PER
PROJECT REPRESENTATIVES (NAVD-88)

Location Map

N.T.S.

PROPOSED ELEVATION (NAVD-88)

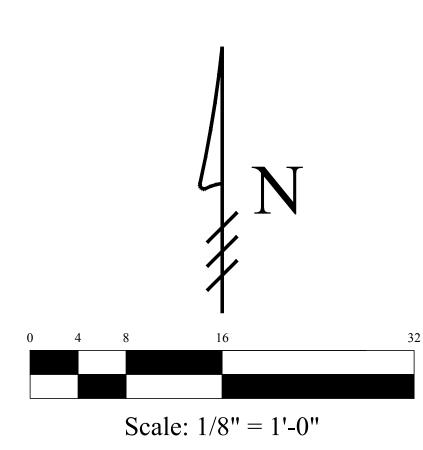
---7.00--- PROPOSED ELEVATION CONTOUR (NAVD-88)

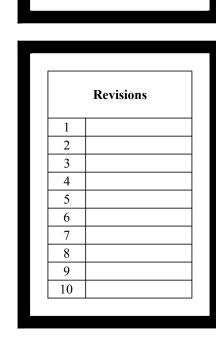
FLOW DIRECTION

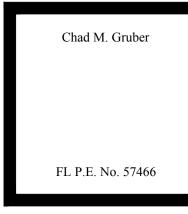
EXFILTRATION TRENCH

AREA DRAIN

24" NYLOPLAST DRAIN BASIN WITH BAFFLE







Sheet No.

C-1

Plan Background from Site Plan by Environment Design Group Received 5/1/23 © 2023 Gruber Consulting Engineers, Inc.