

CODE MINIMUM LANDSCAPE PLANS FOR COLLIER COUNTY MARINE STATION

PART OF SECTION 8, TOWNSHIP 52 SOUTH, RANGE 26 EAST,
COLLIER COUNTY, FLORIDA



• CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE
• PLANNING AND ZONING • SURVEYING
• ENVIRONMENTAL SERVICES • LAND DEVELOPMENT

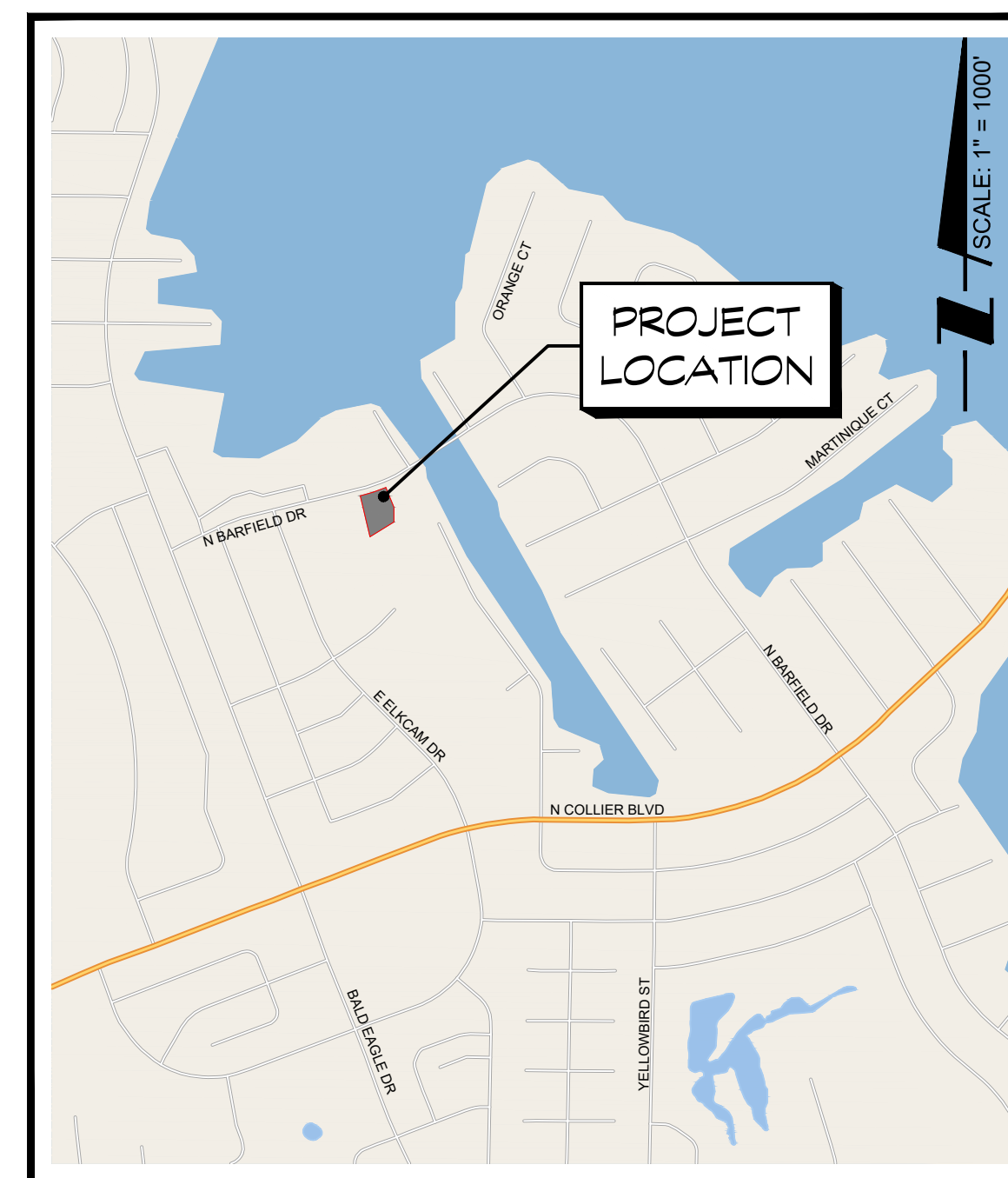
2600 Golden Gate Pkwy
Naples, FL 34105
239.403.6700
Pen-Eng.com

PROJECT:
COLLIER COUNTY MARINE STATION

PLAN TITLE:
CODE MINIMUM PLANS

SHEET TITLE:
COVER SHEET

Reviewed for code compliance
M Holden
09/17/2024 11:16:46 AM



VICINITY MAP



LOCATION MAP

SHEET INDEX

SHEET NO.	SHEET ID	SHEET TITLE	SHEET REV
01	C-1	COVER SHEET	0
02	L-1	CODE MINIMUM LANDSCAPE PLAN (A)	1
03	L-2	CODE MINIMUM NOTES AND DETAILS	1

OWNER/DEVELOPER
COLLIER COUNTY FACILITIES MANAGEMENT
3335 TAMIAMI TRAIL EAST
NAPLES, FL 34112
(239) 252-8380

Always call 811 two full business days before you dig to have underground utilities located and marked.

REVISIONS:

REV. NO.	DESCRIPTION	SHEETS AFFECTED	DATE
1	REVISIONS PER CITY COMMENTS (EAST BUFFER)	L-1, L-2	9/10/2024

LEGAL DESCRIPTION:

BUILDING SUMMARY:

NOTES:

DESIGN TEAM:
DRAWN BY: STEVE SAMMONS

PROFESSIONAL SEALS:
LANDSCAPE ARCHITECT: STEVE SAMMONS
FLORIDA LICENSE NUMBER: LA0001394

PROJECT FILE INFORMATION:
FILE DATE: JULY 2024

PROJECT NUMBER: P-CCMS-001-001-CV
PROJECT NUMBER: P-CCMS-001-001
SHEET ID: C-1

Digitally signed by Steve P. Sammons
Reason: This item has been digitally signed and sealed by Steve P. Sammons on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
Date: 2024.09.11 11:16:37 -0400

PROJECT:

COLLIER COUNTY MARINE STATION

SHEET TITLE:

CODE MINIMUM LANDSCAPE PLAN (A)

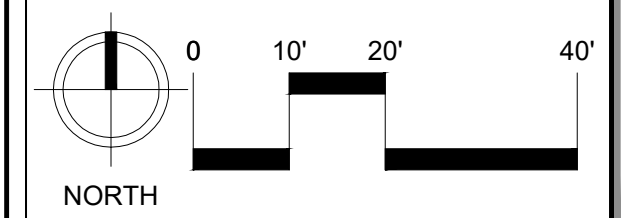
PREPARED FOR:

COLLIER COUNTY FACILITIES MANAGEMENT

REVISIONS:

No.	Revision	Date
1	REVISIONS PER CITY COMMENTS	8/10/2024

GRAPHIC SCALE:



VERIFY ALL DIMENSIONS SHOWN ON THESE DRAWINGS TO CONFIRM PROPER SCALE PRIOR TO CONSTRUCTION. REPORT ANY ERRORS OR OMISSIONS TO PENINSULA ENGINEERING.

PROFESSIONAL SEALS:

LANDSCAPE ARCHITECT: STEVE SAMMONS
 FLORIDA LICENSE NUMBER: LA0001394

Florida Engineering Certificate of Authorization #202175
 Florida Landscape Certificate of Authorization #LC20000632

Designed by: STEVE SAMMONS
 Drawn by: STEVE SAMMONS
 Date: JULY 2024
 Horizontal Scale: 1" = 20'
 Project Number: P-CCMS-001-001
 File Name: P-CCMS-001-001-L1.dwg
L-1
 Sheet Number: 02 of 03



E
D
C
B
A
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1 2 3 4 5 6

1 2 3 4 5 6

PROJECT:
COLLIER COUNTY MARINE STATION

SHEET TITLE:
CODE MINIMUM NOTES AND DETAILS

PREPARED FOR:
COLLIER COUNTY FACILITIES MANAGEMENT

REVISIONS:

No.	Revision:	Date:
1	REVISIONS PER CITY COMMENTS	8/10/2024

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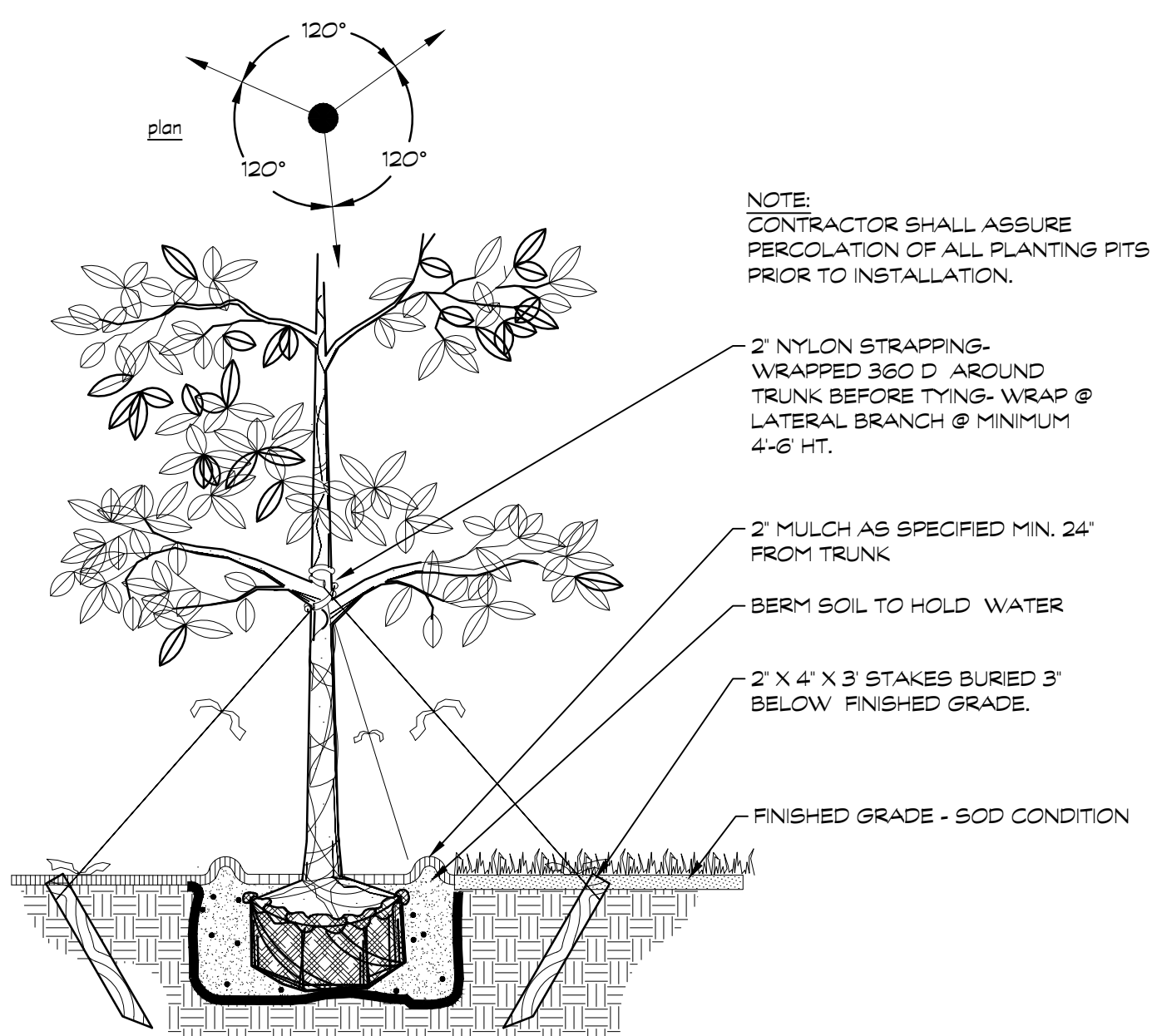
Florida Engineering Certificate of Authorization #26275
 Florida Landscape Certificate of Authorization #LC20000632

Designed by: STEVE SAMMONS
 Drawn by: STEVE SAMMONS
 Date: JULY 2024
 Horizontal Scale: 1" = 1'
 Project Number: P-CCMS-001-001
 File Name: P-CCMS-001-001-L2.dwg
L-2
 Sheet Number: 03 of 03

Code Minimum Plant List

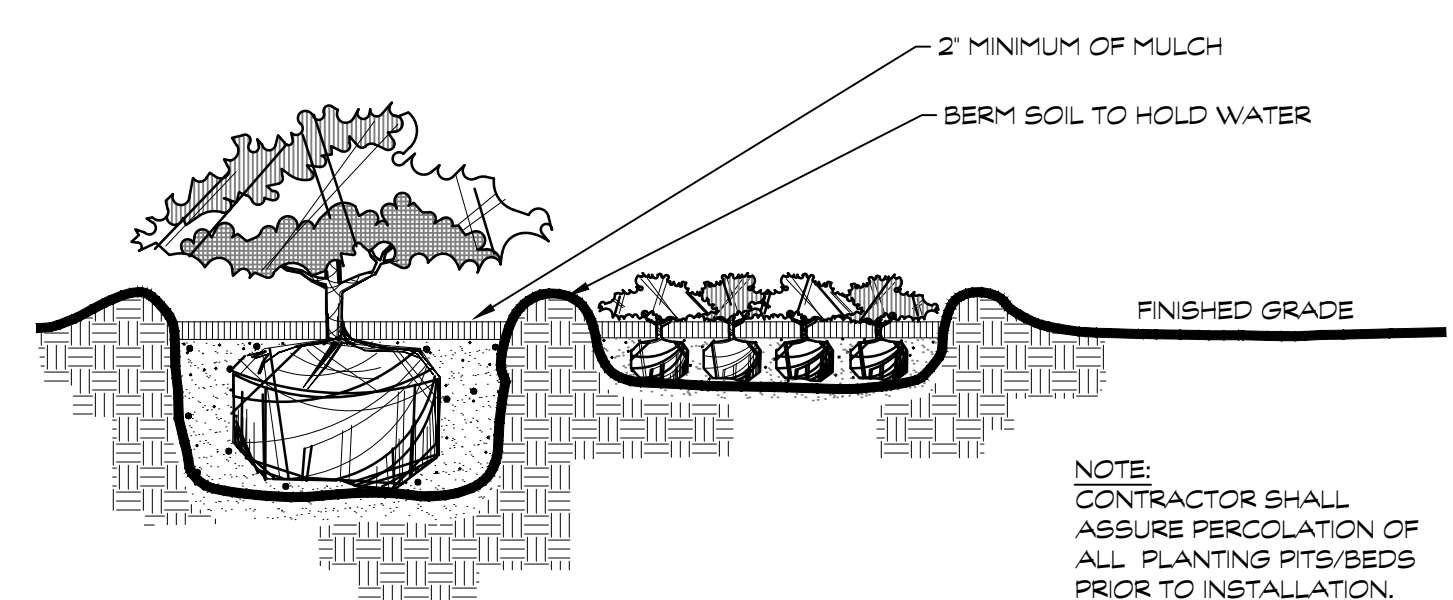
Trees and Palms					
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE
2	BA	Bulnesia arborea	Verawood	10' ht / 1-3/4" cal (12" above grade) / 4' spr minimum	N
14	CE	Conocarpus erectus	Green Buttonwood	10' ht / 1-3/4" cal (12" above grade) / 4' spr minimum	Y
3	SP	Sabal palmetto	Sabal Palm	10', 12', 14' CT in same cluster	Y
1	TH	Tabebuia heterophylla	Pink Tabebuia	10' ht / 1-3/4" cal (12" above grade) / 4' spr minimum	N
Shrubs and Groundcover					
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE
83	CHR	Chrysobalanus icaco	Cocoplum	3 gal. / 36" OC	Y
37	COE	Conocarpus erectus	Green Buttonwood	10 gal. min. / 48" ht / 36" spr / 48" OC	Y
29	MYF	Myrcianthes fragrans	Simpson Stopper	3 gal. / 36" OC	Y
160	SPB	Spartina bakeri	Sand Cordgrass	1 gal. / 36" OC	Y
Miscellaneous					
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE
	SOD		St. Augustine Floratam or Bahia		
			Mulch (all proposed plant beds)	Coco Brown in plant beds	

Note: Provide 24" radius of rip rap around each yard drain located in mulch beds.
 Note: Provide 24" radius of rip rap around each of 2 downspouts as noted on the landscape plan.



LARGE TREE

A1 SCALE = N.T.S.



SHRUB AND GROUNDCOVER

A1 SCALE = N.T.S.

- IRRIGATION NOTES**
- CONTRACTOR WILL PROVIDE FULLY AUTOMATIC IRRIGATION SYSTEM WITH A CONTROLLER AND APPLICABLE MOISTURE (RAIN) SENSOR LOCATED TO RECEIVE DIRECT RAINFALL. RETROFIT EXISTING SYSTEM AS NEEDED.
 - ALL CODE REQUIRED PLANTING SHALL HAVE 100% FULL HEAD TO HEAD COVERAGE WITH IRRIGATION.
 - NUMBER AND LOCATION OF VALVES MAY VARY.
 - VALVE SIZING, DETAILING AND MAIN LINE ROUTING MAY BE ADJUSTED BY OWNER TO ACCOMMODATE THE NEEDS OF THE LANDSCAPE DESIGN.
 - CONTRACTOR MAY CHOOSE TO USE DRIP, BUBBLERS, OR SPRAY IRRIGATION IN SHRUB BEDS.
 - THE IRRIGATION SYSTEM WILL OPERATE WITH SEPARATE VALVE ZONES FOR TURF AREAS AND SHRUB PLANTING AREAS WHERE EFFICIENCY ALLOWS. THE CONTROLLER WILL BE SET TO OPERATE APPROPRIATE RUN TIMES FOR THE VARIOUS ZONES AND THEIR REQUIRED PRECIPITATION NEEDS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR FLORIDA LANDSCAPES.
 - THE IRRIGATION SYSTEM WILL BE DESIGNED TO MINIMIZE THE APPLICATION OF WATER TO IMPERVIOUS AREAS, ADJACENT PROPERTIES AND EXISTING VEGETATION.

- LANDSCAPE NOTES**
- QUALITY: PLANT MATERIALS USED TO MEET THE REQUIREMENTS OF THIS PLAN SHALL MEET THE STANDARDS FOR FLORIDA NO. 1 OR BETTER AS SET OUT IN GRADES AND STANDARDS FOR NURSERY PLANTS, PART I AND PART II, DEPARTMENT OF AGRICULTURE, STATE OF FLORIDA (AS AMENDED). ROOT BALL SIZES ON ALL TRANSPLANTED MATERIAL SHALL ALSO MEET STATE STANDARDS.
 - ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO ESTABLISHED HORTICULTURAL METHODS AND STANDARDS.
 - THIS PLANTING PLAN IS FOR THE PURPOSES OF REVIEW BY THE CITY OF MARCO ISLAND, AND IS SCHEMATIC IN NATURE. INTENDED TO SET MINIMUM CITY REQUIREMENTS FOR THE PROJECT. COMPLETE LANDSCAPE AND IRRIGATION CONSTRUCTION DOCUMENTS MAY BE PREPARED BY OTHERS BUT MUST INCORPORATE THESE STANDARDS AT A MINIMUM.
 - EXOTIC VEGETATION AS DEFINED BY THE LAND DEVELOPMENT CODE SHALL BE REMOVED FROM THE SITE AND SUBSEQUENT ANNUAL EXOTIC REMOVAL (IN PERPETUITY) SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
 - VEGETATION TO REMAIN SHALL BE PROTECTED WITH APPROVED BARRICADING (SEE CIVIL PLANS) AND BARRICADING WILL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
 - PARKING LOT/POLE LIGHTING SHALL BE LOCATED A MINIMUM OF 12.5' FROM THE TRUNK OF A TREE PER COLLIER COUNTY CODE.
 - PLANT SPECIFICATIONS (HEIGHT, SPREAD ETC.) SHALL MEET MINIMUM CITY REQUIREMENTS UNLESS OTHERWISE SPECIFIED. MULCH TYPE MAY VARY BUT WILL NOT EXCEED 25% CYPRESS IN VOLUME.
 - ALL EXPOSED EARTH SHALL BE COVERED WITH SOD, HYDROSEED AND/OR MULCH.
 - ROOT BARRIERS ARE REQUIRED WHEN LARGE CANOPY TREES/PALMS (FOR EXAMPLE, LIVE OAKS, ROYAL PALMS) ARE WITHIN 15' OF A BUILDING OR 10' OF A SIDEWALK OR PAVED AREA AND SHALL RUN PARALLEL WITH PAVED AREA OR BUILDING TO A DISTANCE 20' OUT EITHER DIRECTION FROM THE TRUNK. ROOT BARRIERS SHALL BE A MINIMUM OF 18" DEEP AND SHALL EXTEND UP TO FINISHED GRADE. ROOT BARRIER PRODUCTS SHALL BE APPROVED BY OWNER AND LANDSCAPE ARCHITECT AND INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

- CODE REQUIREMENTS**
- BUFFER REQUIREMENTS**
- North buffer
 20' wide Type 'C' landscape buffer with trees 30' on center
 135 LF / 30' = 5 trees required, 5 provided
- East buffer
 15' wide Type 'B' landscape buffer with trees 25' on center
 110 LF / 25' = 5 trees required, 5 provided
 110 LF / 4' OC = 28 shrubs required, 28+ provided
- VEHICULAR USE AREA (4.06.03.B)**
- 19,600 SF VUA x 10% = 1960 SF VUA landscape required
 - 1992 SF provided
 - 1992 SF / 250 = 8 trees required
 - 8 trees provided