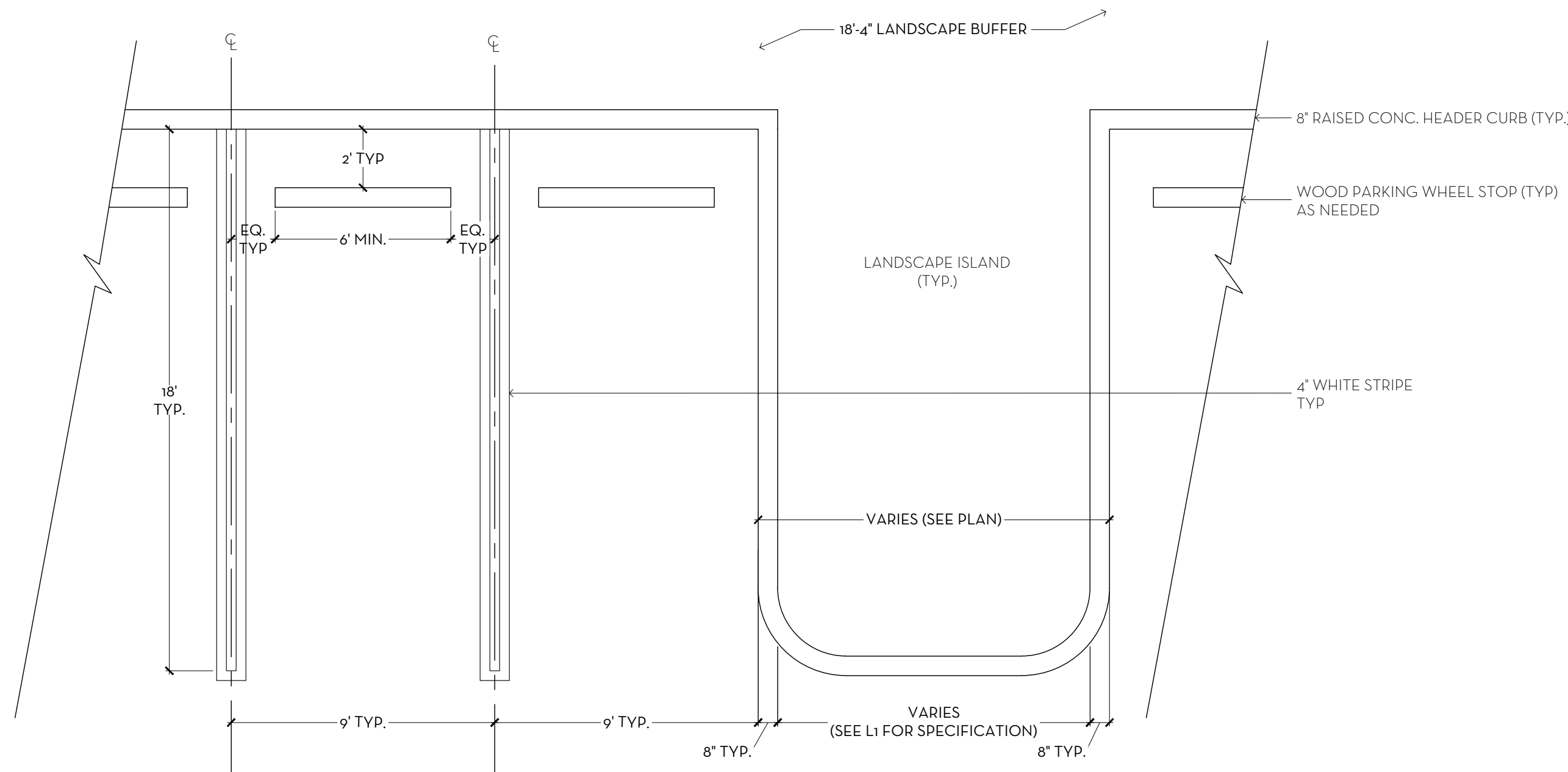
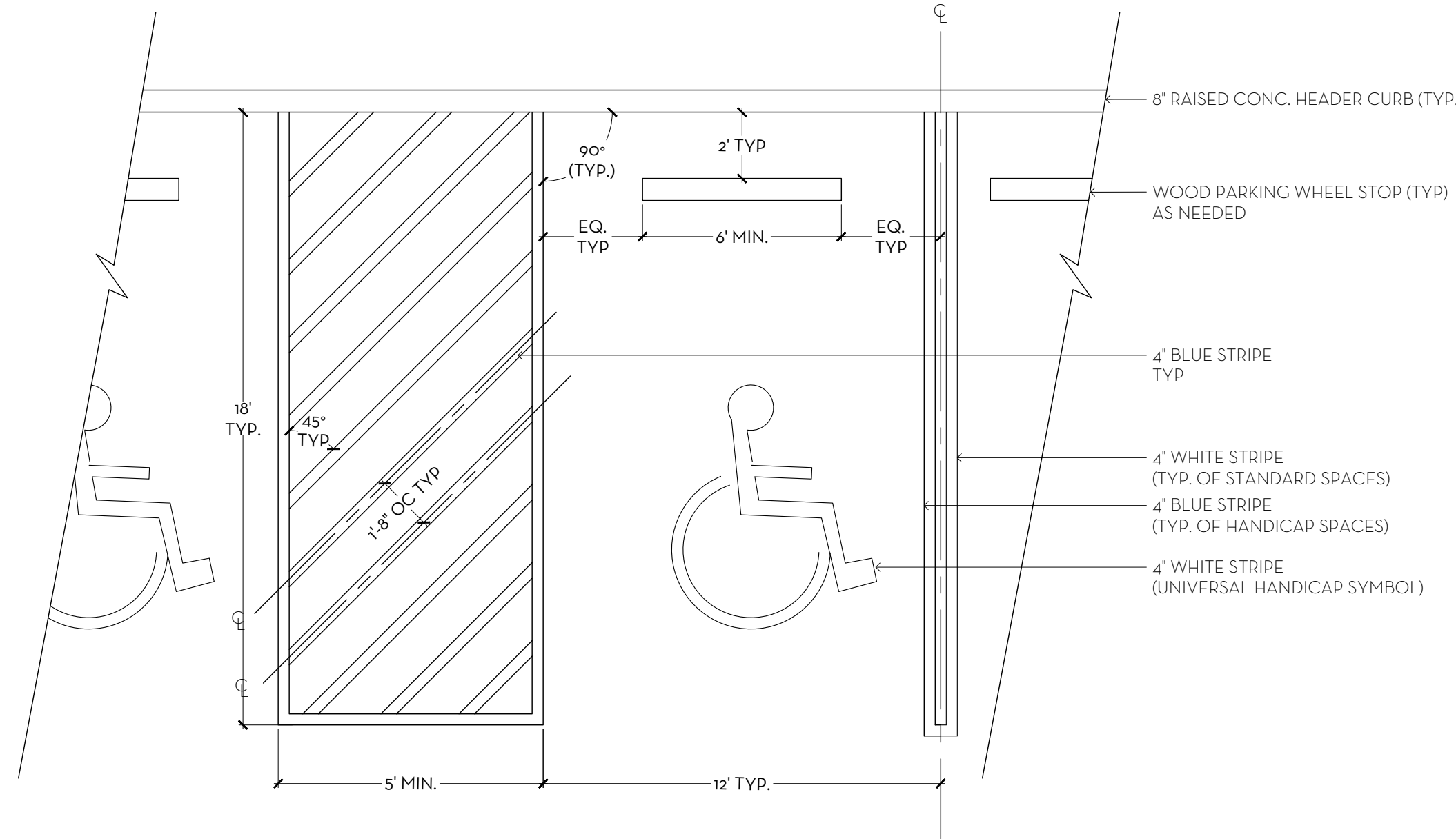


1 TYP. MASONRY SITE WALL SECTION  
D1 SCALE: 1-1/2\"=1'-0"



3 TYPICAL PARKING SPACE LAYOUT  
D1 SCALE: 1/4\"=1'-0"



4 TYPICAL ADA PARKING SPACE LAYOUT  
D1 SCALE: 1/4\"=1'-0"

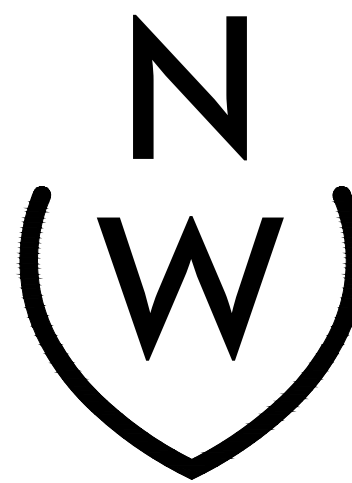
MARIO F. NIEVERA

State of Florida  
Landscape Architect  
Registration No.  
6666856

DETAILS  
PBDA PARKING LOT

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

25 JUL 2022  
07 JUL 2022  
10 JUN 2022  
08 APR 2022  
28 MAR 2022  
07 MAR 2022  
22 FEB 2022



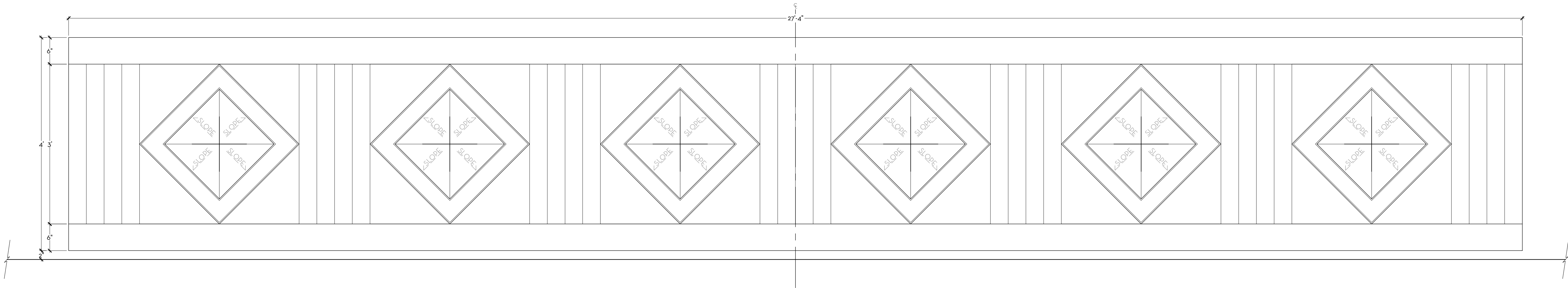
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P: 561-659-2820  
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D1



1 TYPICAL GATE ELEVATION  
D2 SCALE: 1"=1'-0"



2 INSPIRATION IMAGE FROM PBDA FACADE  
D2

MARIO F. NIEVERA

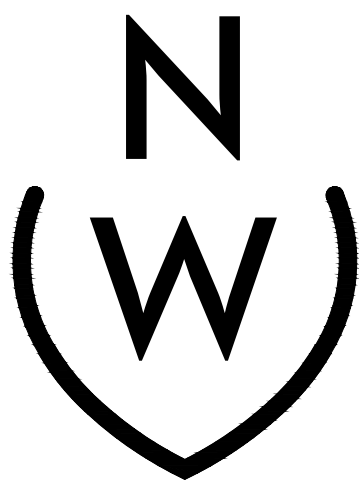
State of Florida  
Landscape Architect  
Registration No.  
6666856

DETAILS  
PBDA PARKING LOT

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

SCALE: SEE DETAIL

25 JUL 2022  
07 JUL 2022  
10 JUN 2022  
08 APR 2022  
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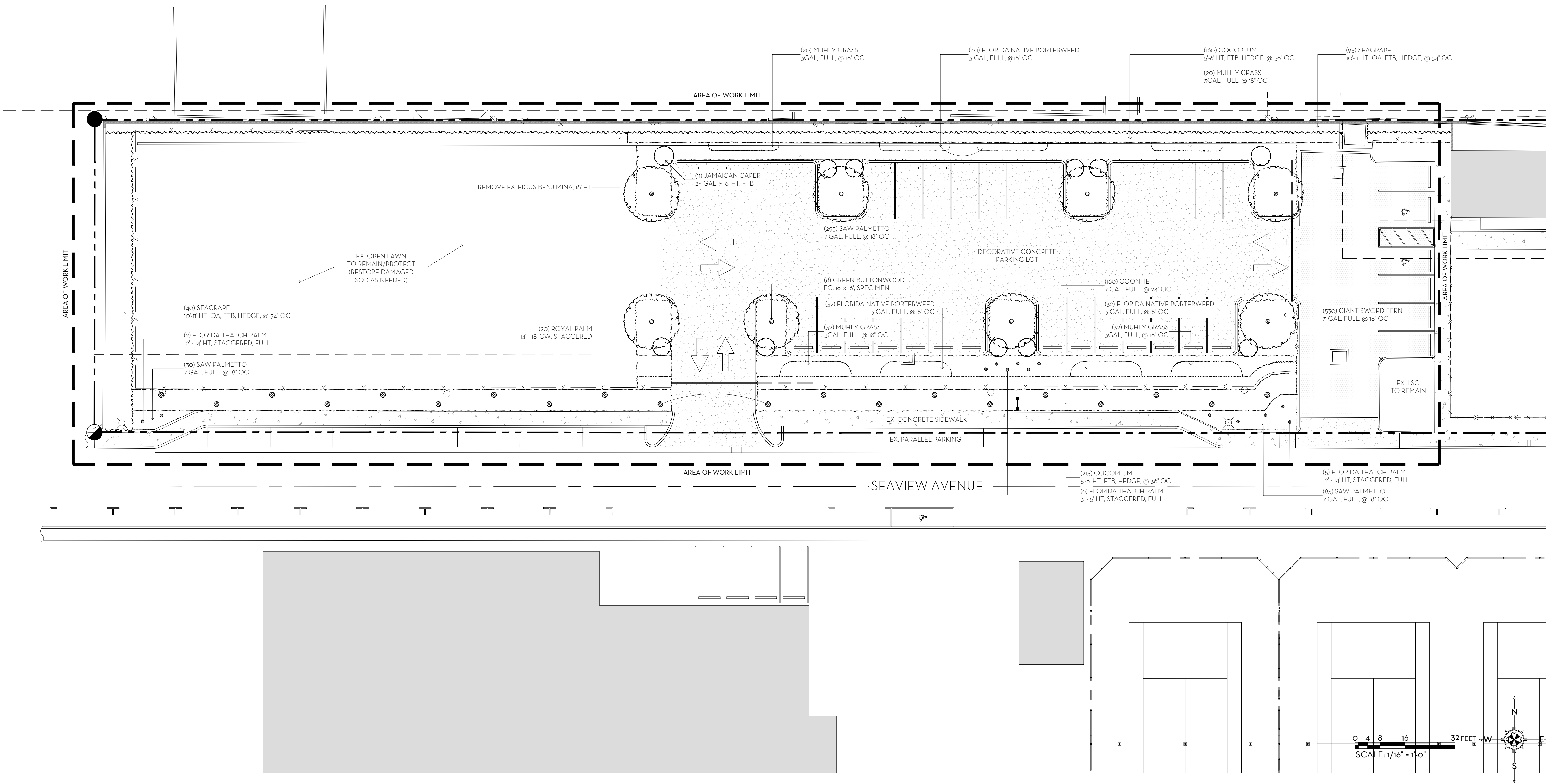
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D2



**OVERALL R-B SITE CALCULATIONS:**

|                           |         |       |       |
|---------------------------|---------|-------|-------|
| SITE AREA =               | 113,168 | SQ FT | 100%  |
| <b>MINIMUM LANDSCAPE:</b> |         |       |       |
| REQUIRED =                | 55,584  | SQ FT | 50.0% |
| EXISTING =                | 68,151  | SQ FT | 60.2% |
| PROPOSED =                | 56,587  | SQ FT | 50.0% |

**FRONT SETBACK SITE CALCULATIONS:**

|                           |        |       |       |
|---------------------------|--------|-------|-------|
| 25' SETBACK AREA =        | 28,119 | SQ FT | 100%  |
| <b>MINIMUM LANDSCAPE:</b> |        |       |       |
| REQUIRED =                | 11,247 | SQ FT | 40.0% |
| EXISTING =                | 17,203 | SQ FT | 61.2% |
| PROPOSED =                | 16,721 | SQ FT | 59.5% |

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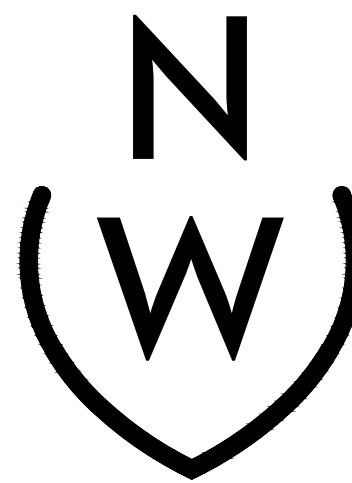
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Registration No.  
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LANDSCAPE PLAN

**PBDA PARKING LOT**

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

25 JUL 2022  
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07 MAR 2022  
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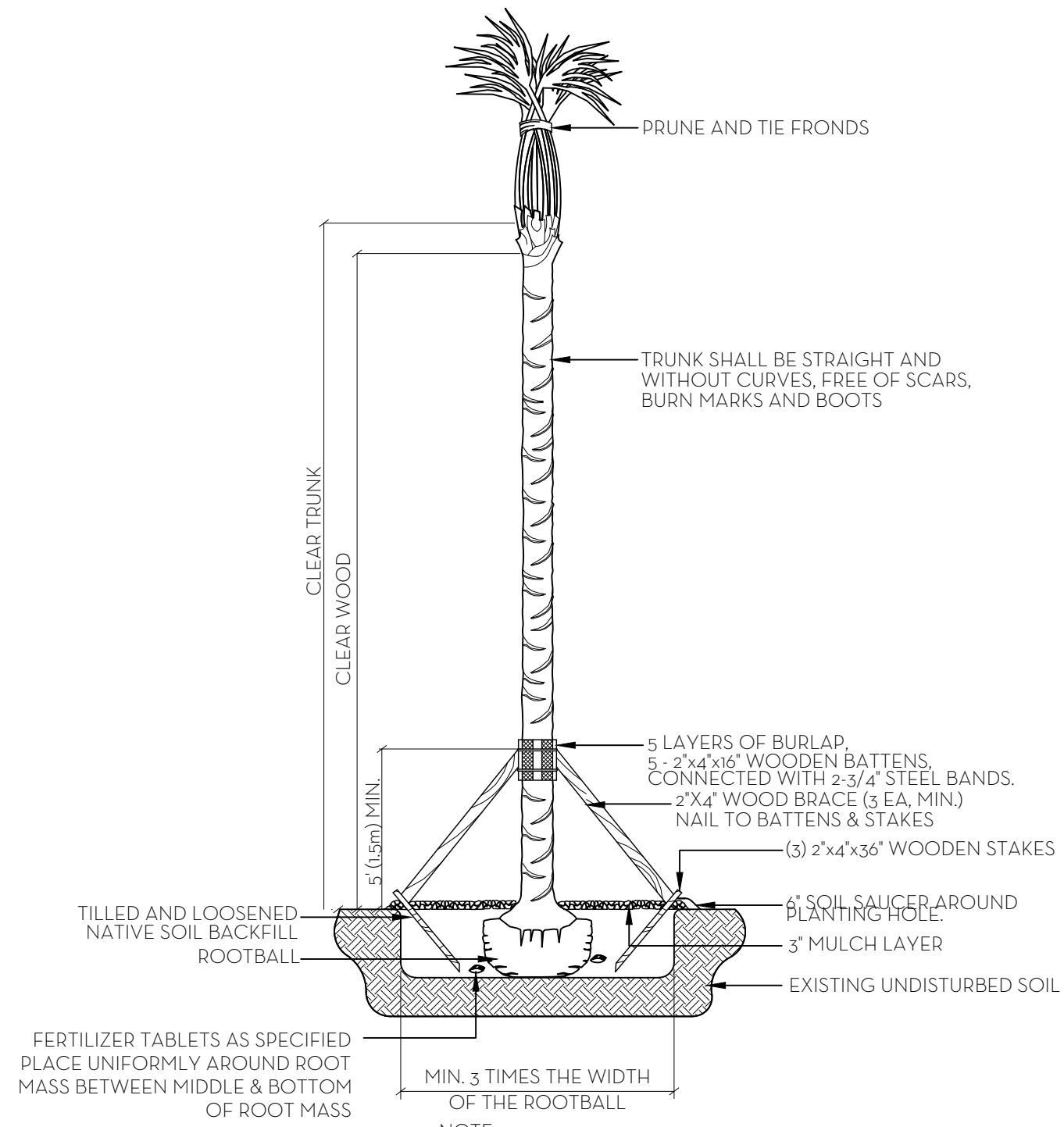
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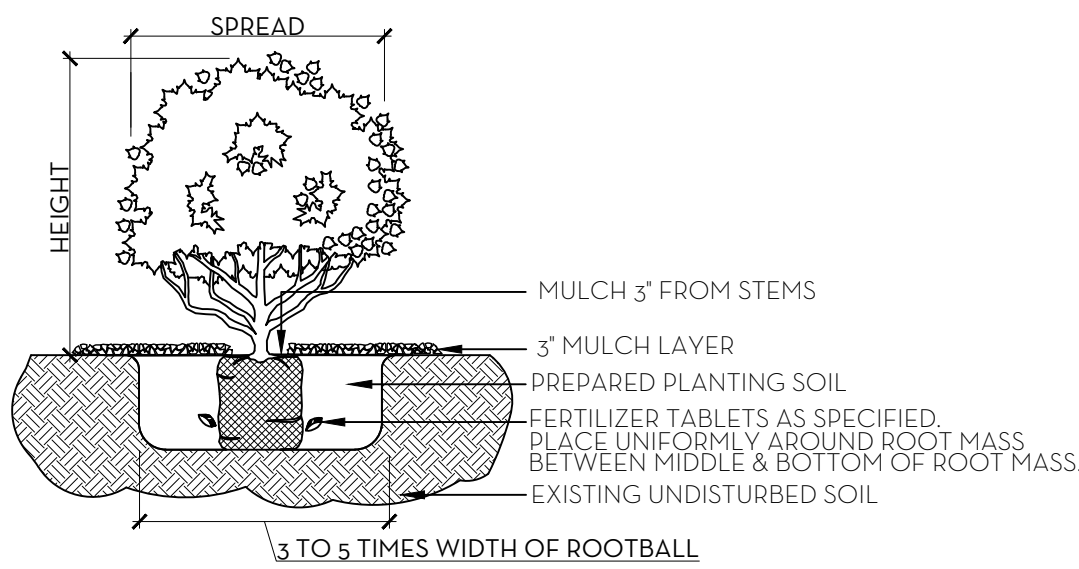
**LP1**

SCALE: 1/16" = 1'-0"



PALM PLANTING DETAIL

NTS

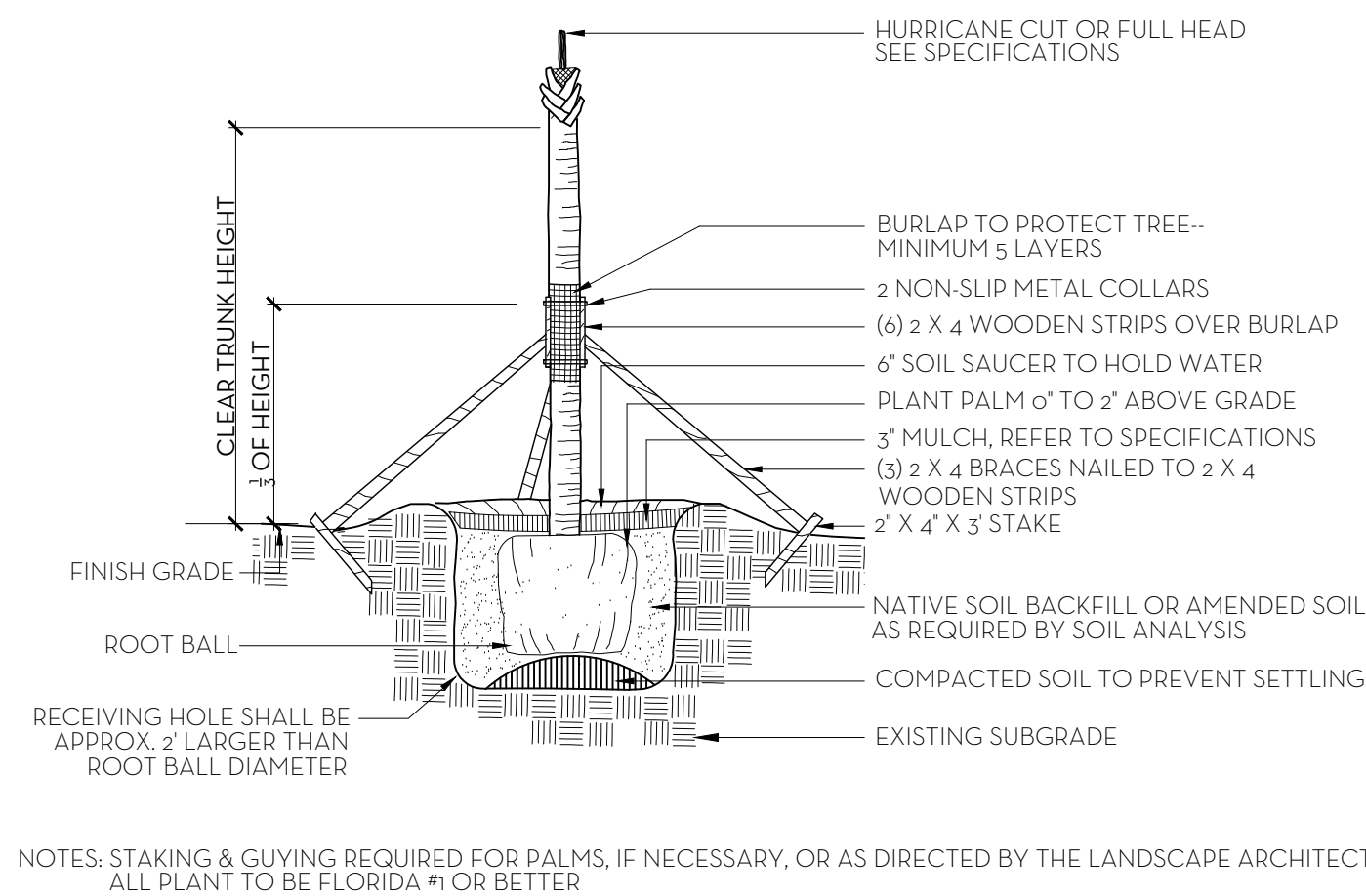


NOTE: ALL MATERIAL TO BE FLORIDA #1 OR BETTER

SHRUB & GROUNDCOVER PLANTING DETAIL

NTS

NOTE: BUD SHALL BE PERPENDICULAR TO GROUND PLANE. TRUNK SHALL BE STRAIGHT AND WITHOUT CURVES. NO SCARRED OR BLACKENED TRUNKS.



NOTES: STAKING & GUYING REQUIRED FOR PALMS, IF NECESSARY, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT. ALL PLANT TO BE FLORIDA #1 OR BETTER

PALM TREE PLANTING AND STAKING DETAIL

NTS

#### FERTILIZATION

SHRUBS AND TREES  
ALL TREES AND SHRUBS SHALL BE FERTILIZED WITH "AGRIFORM" 20-15-5 PLANTING TABLETS AT TIME OF INSTALLATION AND PRIOR TO COMPLETION OF PIT BACKFILLING. TABLETS SHALL BE PLACED UNIFOMLY AROUND THE ROOT MASS OF A DEPTH THAT IS BETWEEN THE MIDDLE AND BOTTOM OF THE ROOT MASS.

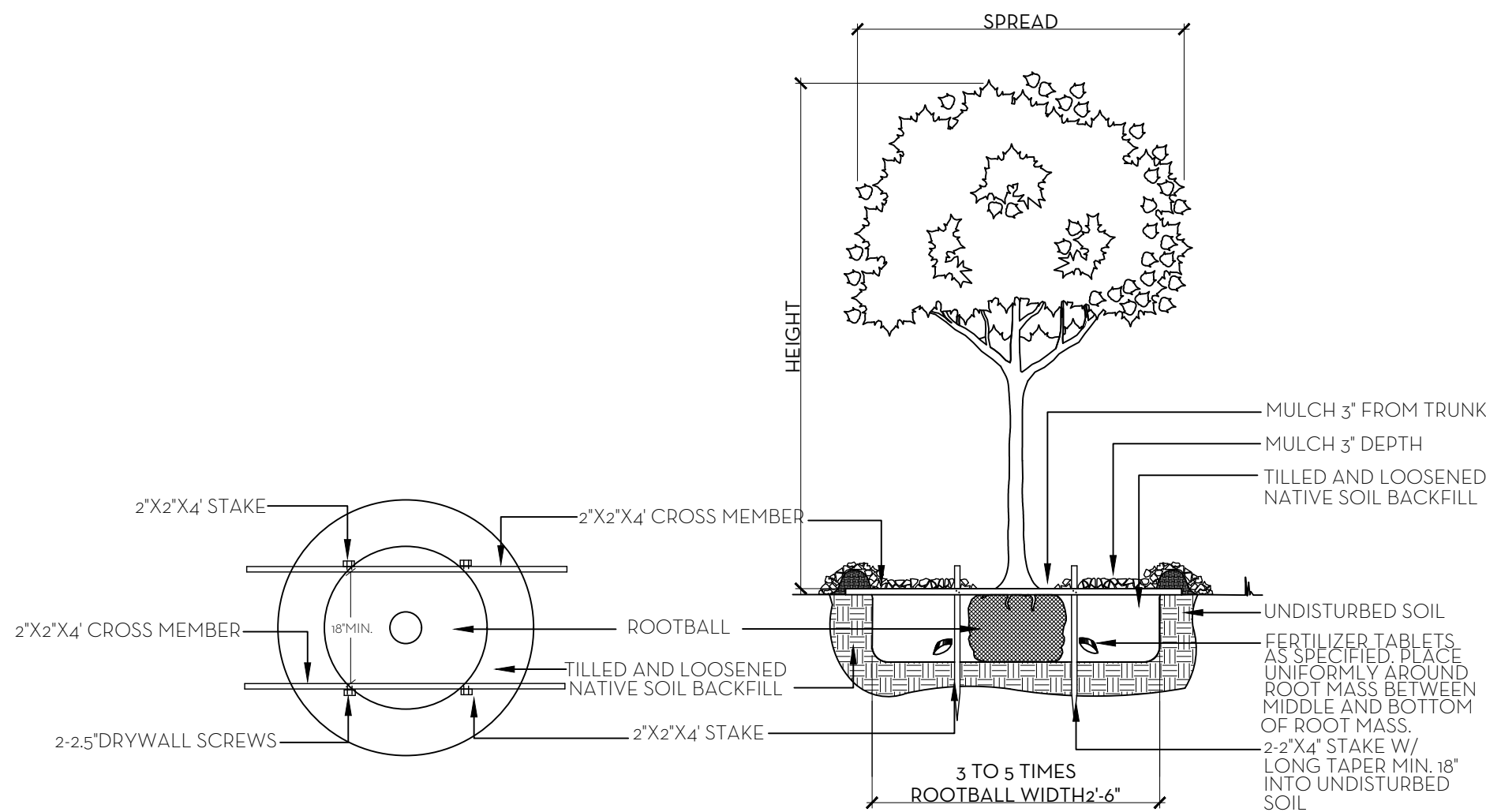
APPLICATION RATE:

1 GALLON CAN: 1 - 21 GRAM TABLET  
3 GALLON CAN: 2 - 21 GRAM TABLETS  
5 GALLON CAN: 3 - 21 GRAM TABLETS  
7 GALLON CAN: 4 - 21 GRAM TABLETS

TREES: 3 - 21 GRAM TABLETS EACH 1/2" OF CALIPER  
PALMS: 7 - 21 GRAM TABLETS

GROUNDCOVER AREAS  
ALL GROUND COVER AREAS SHALL RECEIVE FERTILIZATION WITH "OZMOCOTE" TIME RELEASE FERTILIZER AS PER MANUFACTURERS SPECIFICATIONS.

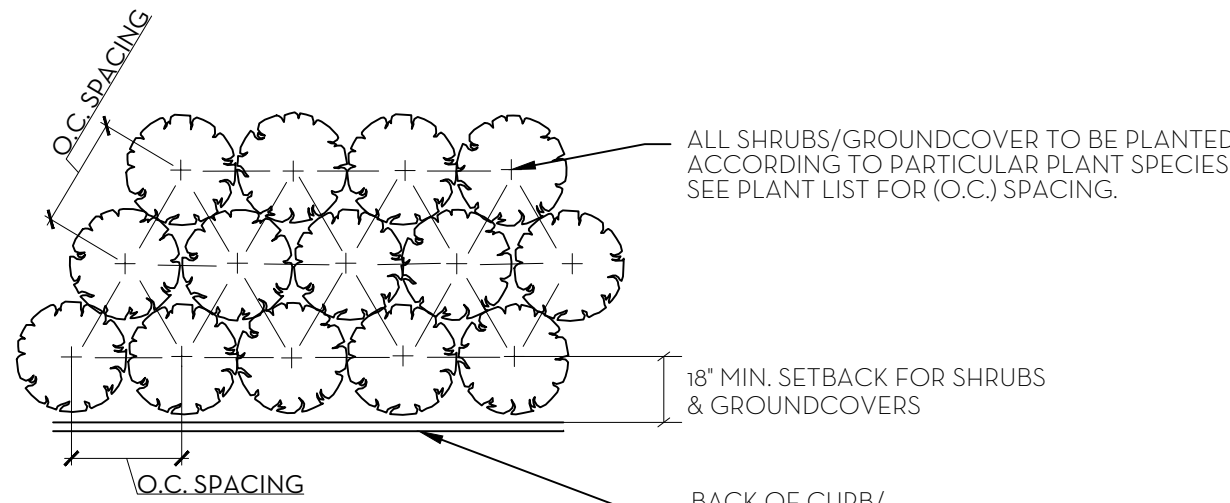
- NOTES:
1. ALL WOOD SHALL BE SPRUCE OR PINE-NOT PRESSURE TREATED.
  2. CROSS TIES SHALL NOT CROSS OVER WOODY ROOTS.
  3. REMOVE ALL STRING &/OR WIRE WRAPPED AROUND TRUNK.
  4. REMOVE ALL STRAPS, ROPES, WIRE, &/OR STRINGS USED TO LIFT THE ROOTBALL.
  5. REMOVE ALL BURLAP &/OR WIRE FROM THE TOP OF THE ROOT BALL.
  6. TOP OF ROOTBALL TO BE SET 2" BELOW FINISH SURROUNDING FINISH GRADE.



NOTE: ALL PLANT TO BE FLORIDA #1 GRADE OR BETTER

TREE PLANTING DETAIL

NTS

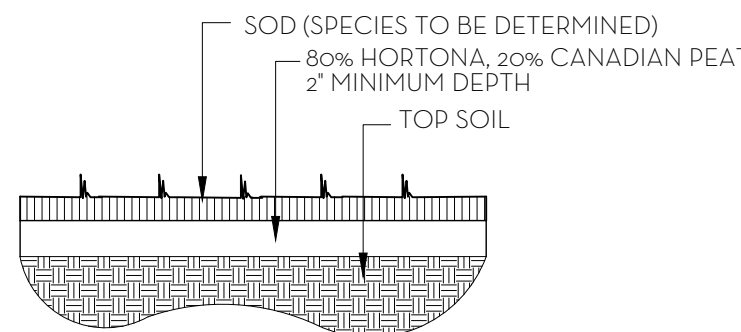


NOTE: ALL PLANT TO BE FLORIDA #1 OR BETTER

PLANT SPACING DETAIL

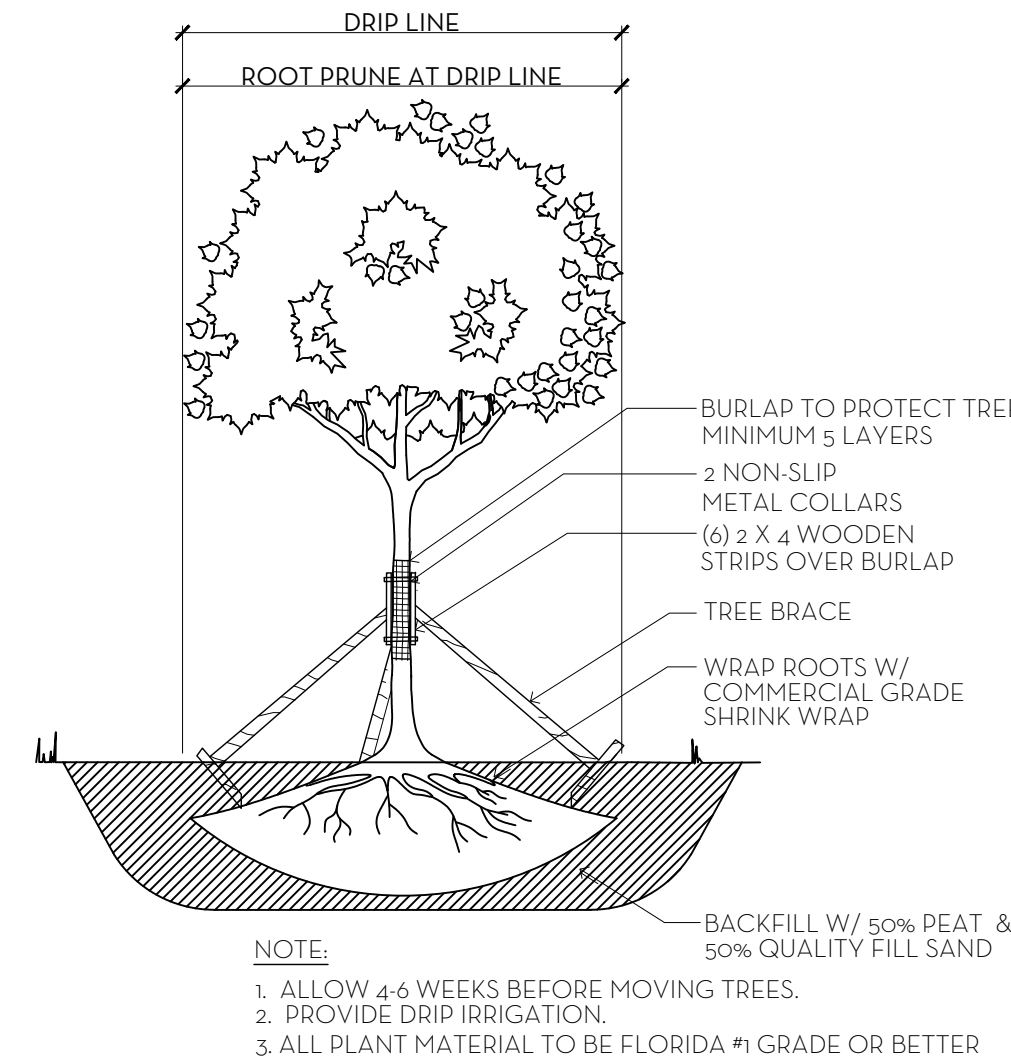
NTS

- SOD NOTES:
1. ROUGH GRADE PROVIDED BY CONTRACTOR 4'-5" BELOW GRADE
  2. RAKE AND REMOVE ALL CONSTRUCTION DEBRIS
  3. PRIOR TO LAYING SOD ADD 80% HORTANA AND 20% CANADIAN PEAT, 2" MIN.
  4. AFTER LAYING SOD APPLY NECESSARY PESTICIDES AND FUNGICIDES.
  5. IRRIGATE REGULARLY, REFER TO IRRIGATION DRAWINGS



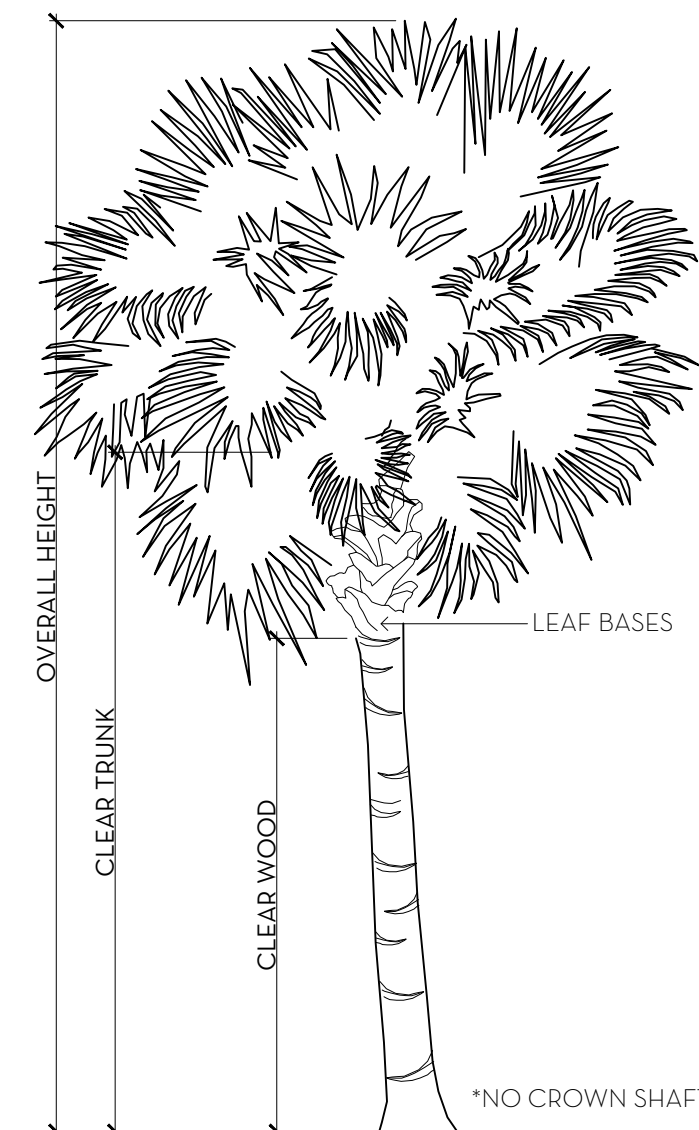
SOD PLANTING DETAIL

NTS




TREE ROOT PRUNING DETAIL

NTS



PALM SPECIFICATION DETAIL

NTS



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DESIGN

PBDA Parking Lot

241 Seaview Ave, Palm Beach, FL 33480

July 25, 2022

Landscape Material Schedule

| Item No.    | Common Name               | Botanical Name             | Quantity | Native | Specification               |
|-------------|---------------------------|----------------------------|----------|--------|-----------------------------|
| Trees       |                           |                            |          |        |                             |
| 1           | Green Buttonwood          | Conocarpus erectus         | 8        | ✓      | FG, 16' x 16', Specimen     |
| Palms       |                           |                            |          |        |                             |
| 2           | Florida Thatch            | Thrinax radiata            | 7        | ✓      | 12'-14' HT, Staggered, Full |
| 3           | Florida Thatch            | Thrinax radiata            | 6        | ✓      | 3'-5' HT, Staggered, Full   |
| 4           | Royal Palm                | Roystonea regia            | 20       | ✓      | 14'-18' GW, Staggered       |
| Shrubs      |                           |                            |          |        |                             |
| 5           | Cocoplum                  | Chrysobalanus icaco        | 375      | ✓      | 5'-6' HT, FTB               |
| 6           | Seagrape                  | Coccoloba uvifera          | 135      | ✓      | 10'-11' HT OA, FTB,         |
| 7           | Florida Native Porterweed | Stachytarpheta jamaicensis | 104      | ✓      | 3 GAL, Full                 |
| 8           | Jamaican Caper            | Capparis cynophallophora   | 11       | ✓      | 25 GAL, 5'-6' HT, FTB       |
| 9           | Saw Palmetto              | Serenoa repens             | 410      | ✓      | 7 GAL, Full                 |
| 10          | Coontie                   | Zamia integrifolia         | 160      | ✓      | 7 GAL, Full                 |
| 11          | Giant Sword Fern          | Nephrolepis biserrata      | 530      | ✓      | 3 GAL, Full                 |
| Groundcover |                           |                            |          |        |                             |
| 13          | Muhly Grass               | Muhlenbergia capillaris    | 104      | ✓      | 3 GAL, Full                 |

| Line # | Landscape Legend                         |                                       |                   |
|--------|--|---------------------------------------|-------------------|
| 1      | Property Address:                        | 241 Seaview Ave, Palm Beach, FL 33480 |                   |
| 4      |  | Required                              | Proposed          |
| 5      | Lot Size (sq ft)                         | 113,168 SF                            | 113,168 SF        |
| 6      | Landscape Open Space (LOS) (Sq Ft and %) | 56,584 SF (50%)                       | 56,587 SF (50.0%) |
| 7      | Perimeter LOS (Sq Ft and %)              | N/A                                   | N/A               |
| 8      | Front Yard LOS (Sq Ft and %)             | N/A                                   | N/A               |
| 9      | Native* Trees %                          | 25%                                   | 100.00%           |
| 10     | Native* Palms %                          | 25%                                   | 100.00%           |
| 11     | Native* Shrubs %                         | 25%                                   | 100.00%           |
| 12     | Native* Vines / Ground Cover %           | 25%                                   | 100.00%           |

MARIO F. NIEVERA

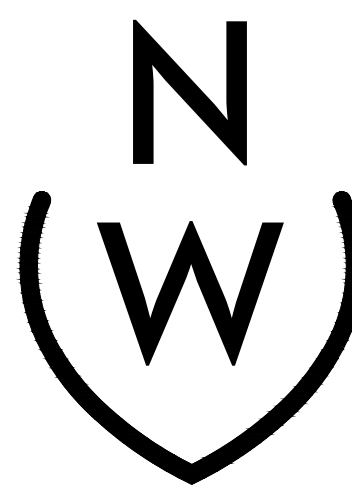
State of Florida  
Landscape Architect  
Registration No.  
6666856

LANDSCAPE MATERIAL SCHEDULE & DETAILS

PBDA PARKING LOT

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

25 JUL 2022  
07 JUL 2022  
10 JUN 2022  
08 APR 2022  
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22 FEB 2022



NIEVERA WILLIAMS  
DESIGN

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LP2



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Landscape Architect  
Registration No.  
6666856

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

|             |             |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 25 JUL 2022 | 07 JUL 2022 | 10 JUN 2022 | 08 APR 2022 | 28 MAR 2022 | 07 MAR 2022 | 22 FEB 2022 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|

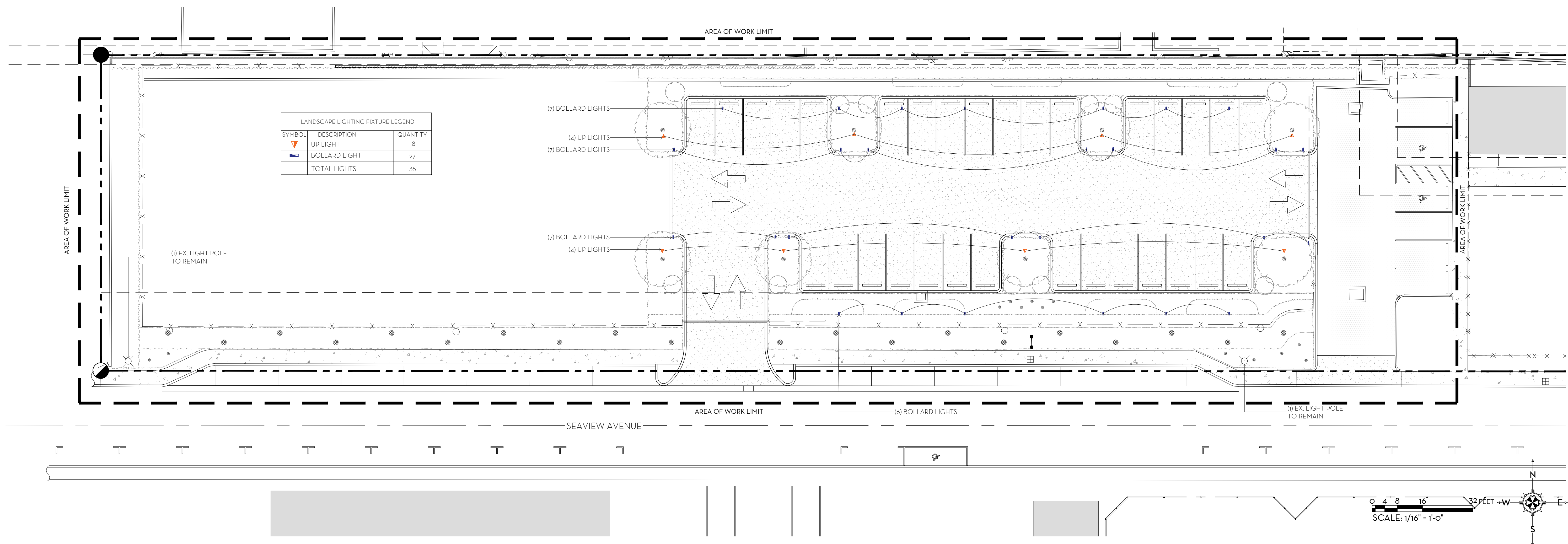


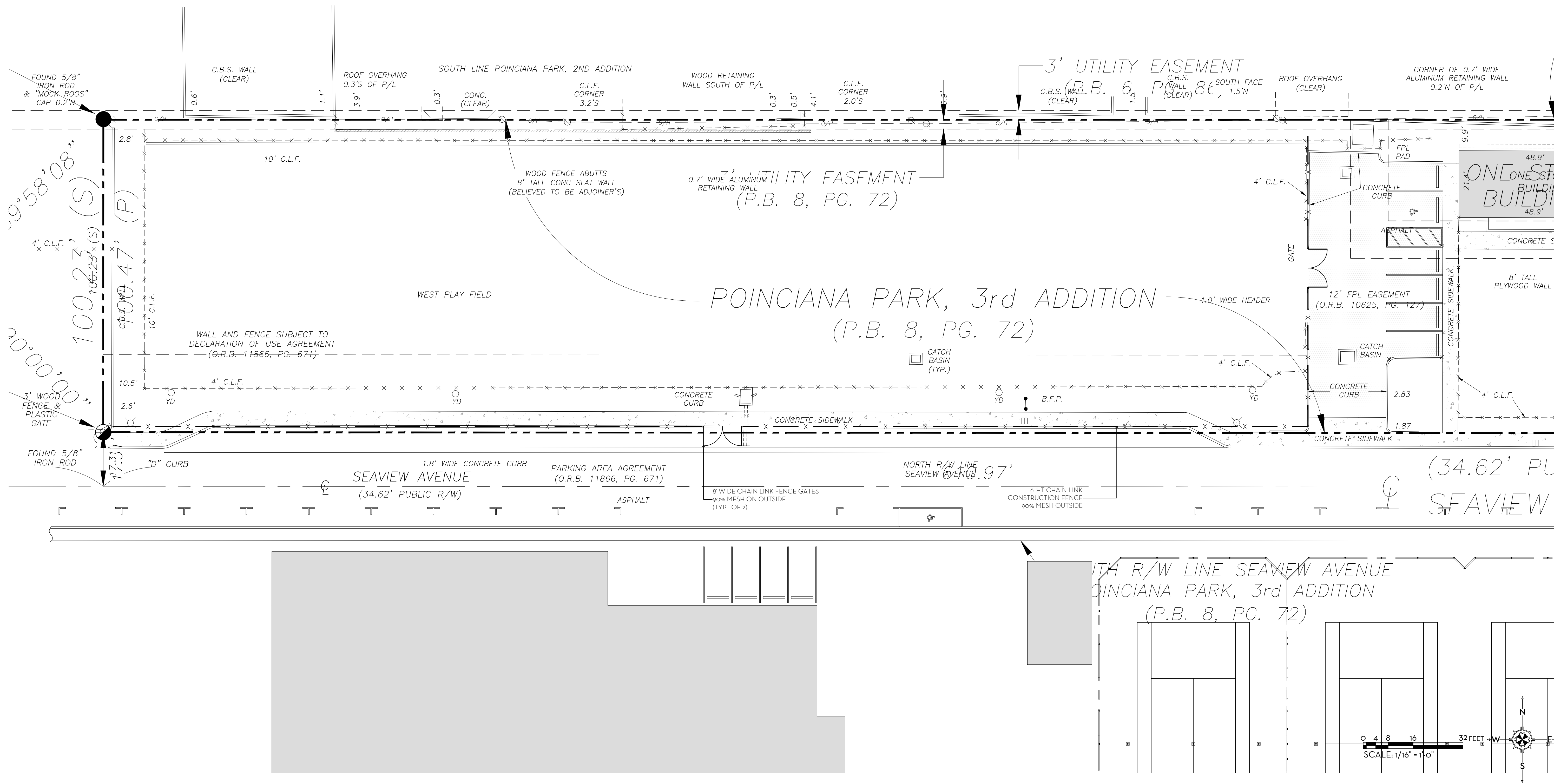
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LL1

|     |   |
|-----|---|
| 4   | DIRECTIONAL UP LIGHT                    |
| LL2 | MR. UNIVERSE-MBR-2W-WAF-150-2700K-8-15V |

4 BOLLARD LIGHT  
LL2 SPJ-PCL-A36-SM





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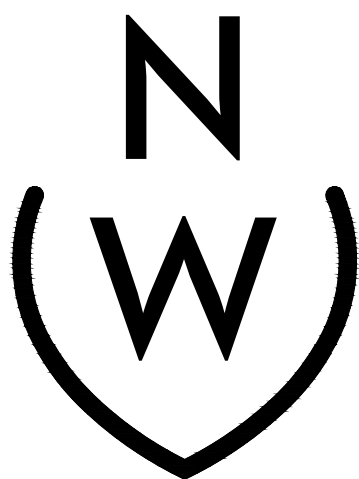
State of Florida  
Landscape Architect  
Registration No.  
6666856

CONSTRUCTION SCREENING PLAN

**PBDA PARKING LOT**

241 SEAVIEW AVENUE, PALM BEACH, FLORIDA 33480

25 JUL 2022  
07 JUL 2022  
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28 MAR 2022  
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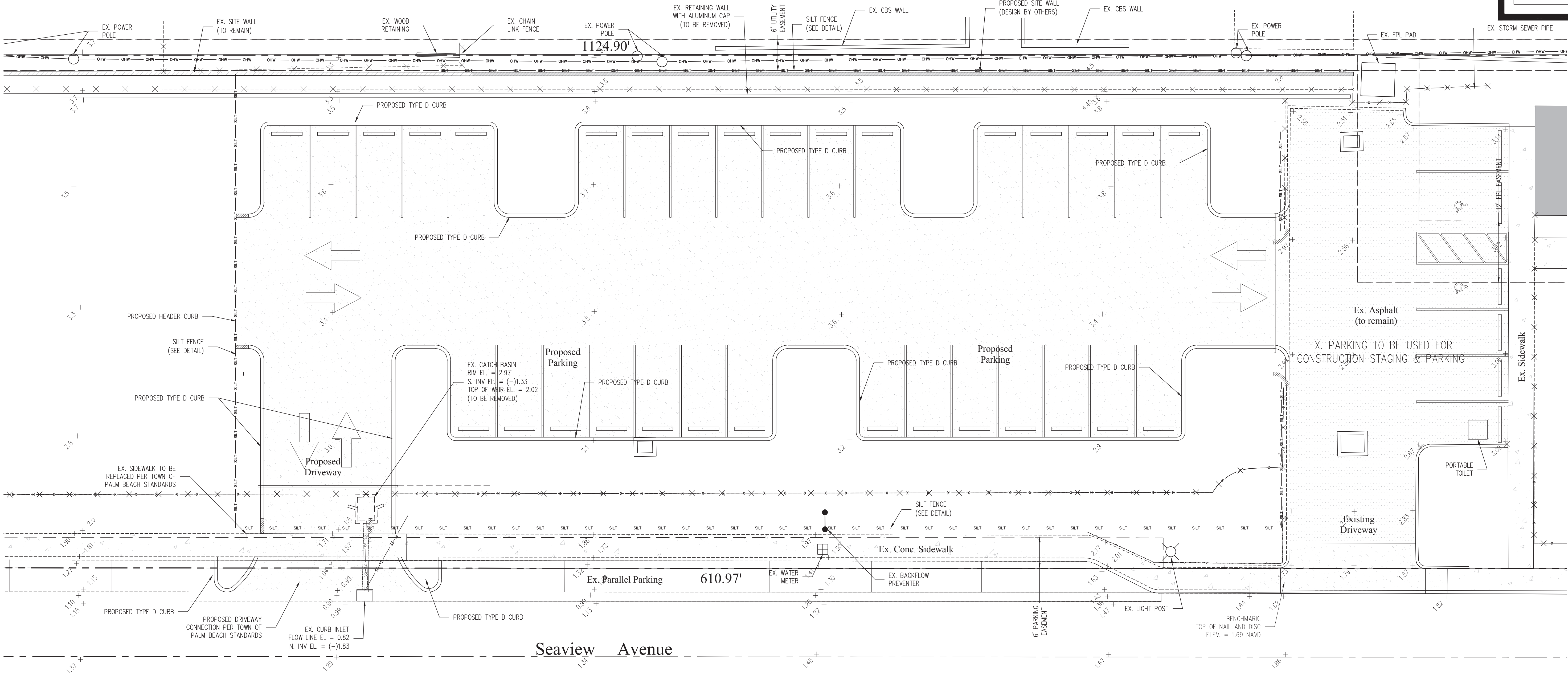
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**CSP**

SCALE: 1/16" = 1'-0"





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



Gruber Consulting  
Engineers, Inc.  
574 MERCER AVE., SUITE 305  
WEST PALM BEACH, FL 33401  
PHONE: 561.312.2841  
office@gruberengineers.com

| Project Information |           |            |            |            |
|---------------------|-----------|------------|------------|------------|
| Project No.         | 2018-0101 | Issue Date | 05/27/2022 | Scale      |
| Scale               | 1" = 10'  | Drawn By   | KM         | Checked By |
|                     |           |            | CG         |            |

Conceptual Construction Staging & Parking and Erosion Control Plan For:  
**Palm Beach Day Academy**  
Palm Beach, Florida  
241 Seaview Avenue

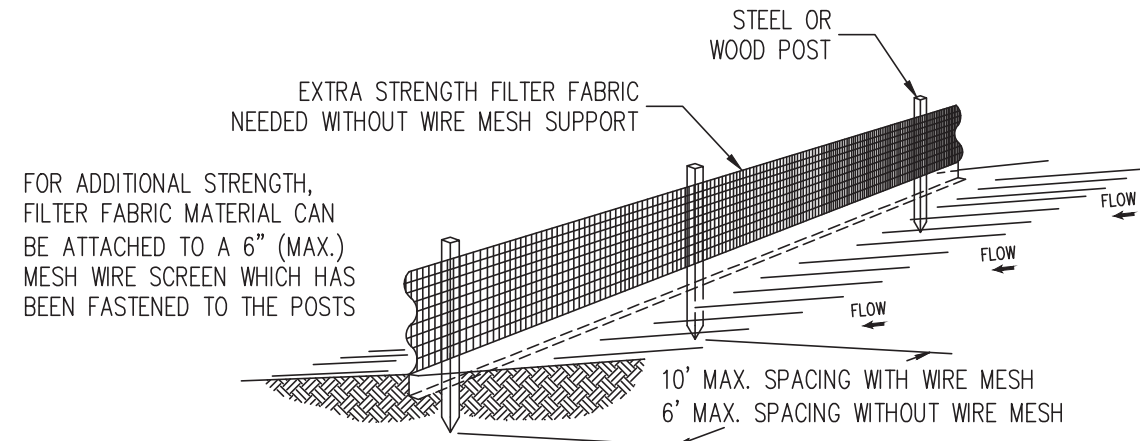
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Chad M. Gruber  
FL P.E. No. 57466

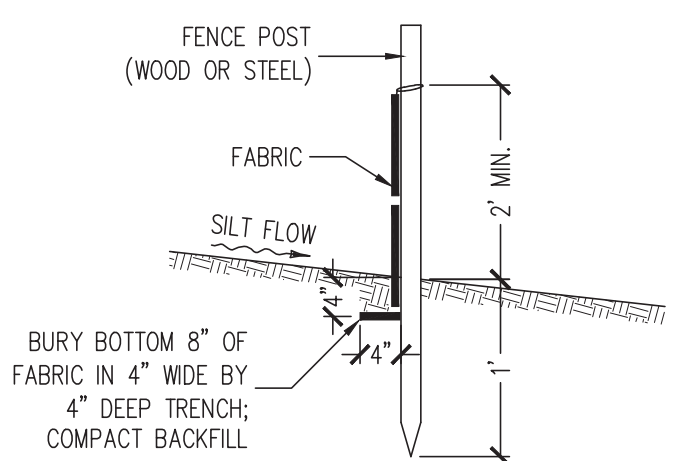
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**EC-1**



Location Map  
N.T.S.



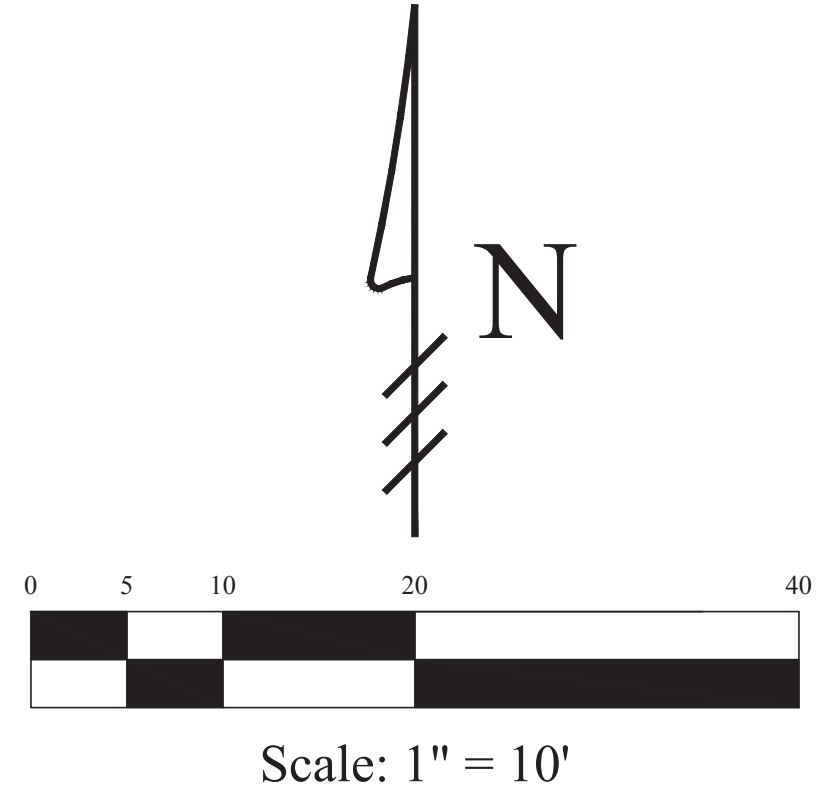
SILT FENCE DETAIL  
N.T.S.



ATTACHING TWO SILT FENCES  
N.T.S.

### Legend

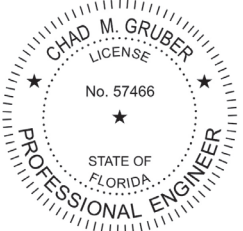
- CONSTRUCTION STAGING AREA
- SILT FENCE (SEE DETAIL)



### Notes:

- Contractor is responsible for installing and maintaining erosion control measures during construction.

07/25/22 UPDATE PLAN BACKGROUND; ADJUST SILT FENCE PLACEMENT



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13:49:39 -04'00'

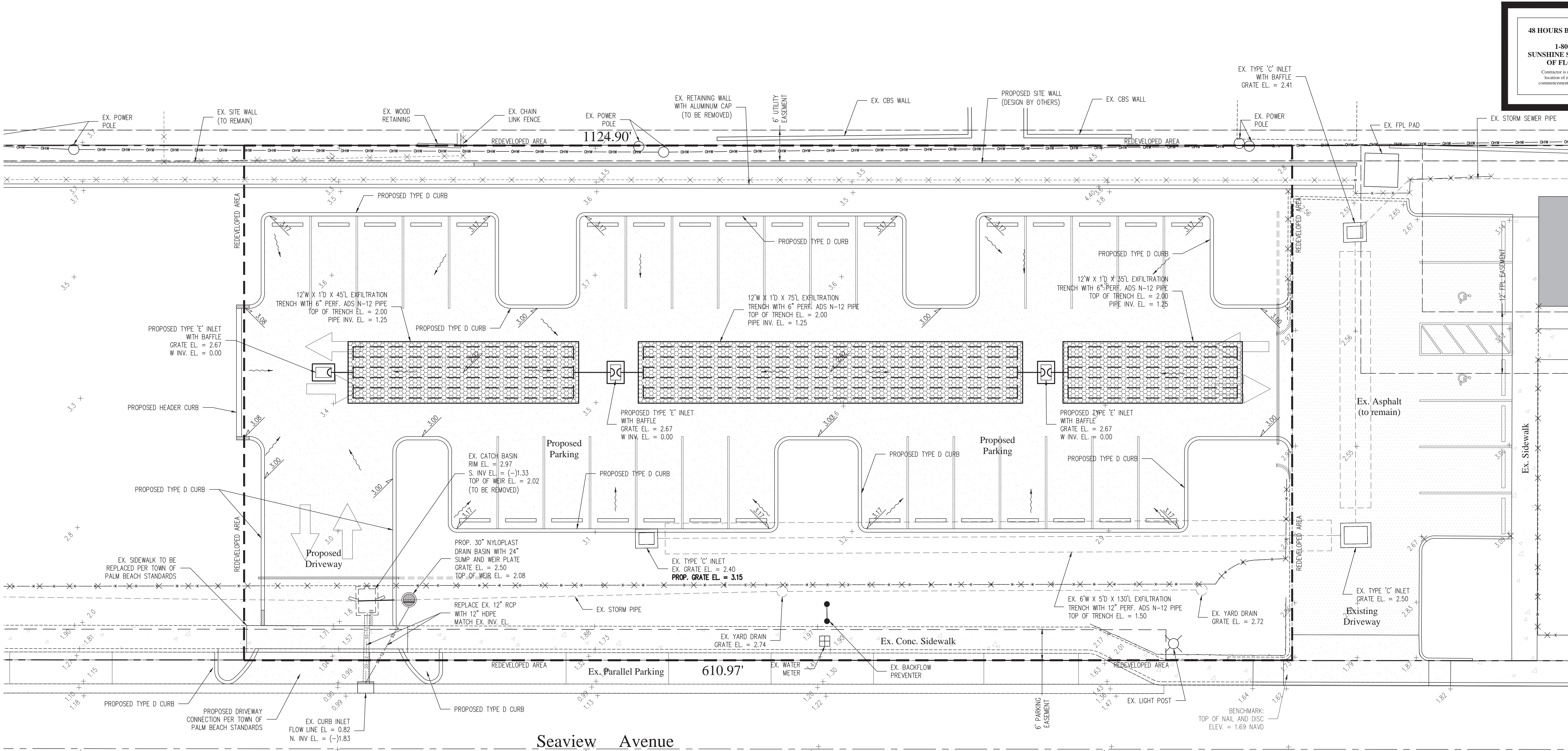
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Plan Background from Hardscape Plan by  
Nievera Williams Design Received 7/25/22

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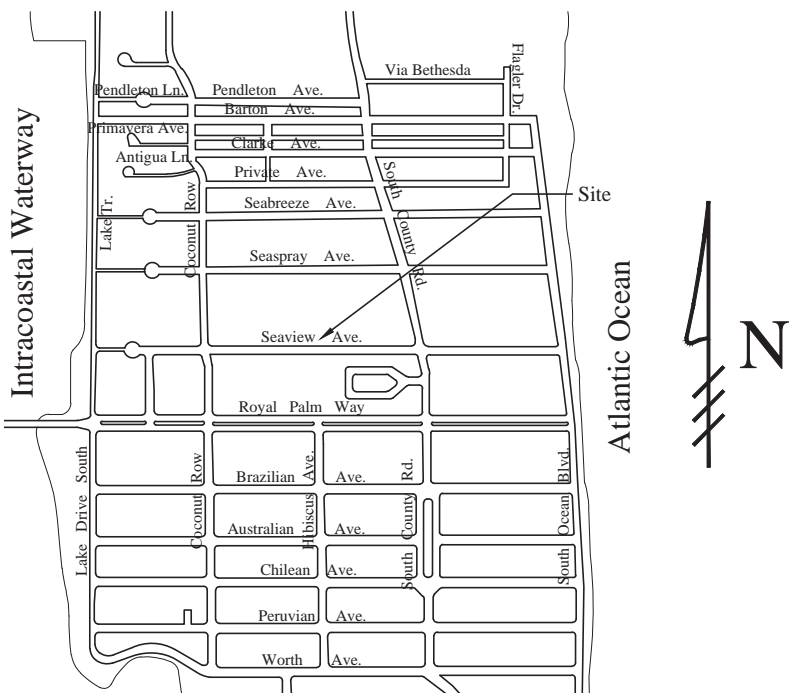


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5714 MERCER AVE., SUITE 305  
WEST PALM BEACH, FL 33401  
PHONE: 561.312.2841  
office@gruberengineers.com

| Project Information |           |            |            |            |
|---------------------|-----------|------------|------------|------------|
| Project No.         | 2018-0101 | Issue Date | 05/27/2022 | Scale      |
| Scale               | 1" = 10'  | Drawn By   | KM         | Checked By |
| CG                  |           |            |            |            |

Conceptual Parking Addition Drainage Plan For:  
**Palm Beach Day Academy**  
Palm Beach, Florida  
241 Seaview Avenue

- Notes:**
- Exfiltration trenches and storm piping to be protected from roots with a root barrier.
  - 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.
  - Contractor shall mill and overlay all roadway cuts a minimum of 50 ft. on either side of the excavation the entire width of each affected lane.
  - Contractor is responsible for installing and maintaining erosion control measures during construction.
  - Video inspection of storm drainage system required prior to installation of sod.
  - Existing storm drainage system to be cleaned, re-habilitated, video inspected and re-certified prior to completion of project.



Location Map  
N.T.S.

**STORMWATER RETENTION CALCULATIONS**

**A. SITE INFORMATION**

Total Property Area = 113,096 sq.ft.  
Proposed Redeveloped Area = 20,531 sq.ft.  
Drainage Area Impervious Surface  
(proposed parking area) = 11,684 sq.ft.  
Drainage Area Pervious Surface = 8,847 sq.ft.

**B. ESTIMATED STORMWATER RETENTION VOLUME**

The retention volume is estimated using the Rational Method (Q=CiA)  
where:  
C = 1.0 (impervious surface)  
C = 0.2 (pervious surface)  
i = 2 in/hr

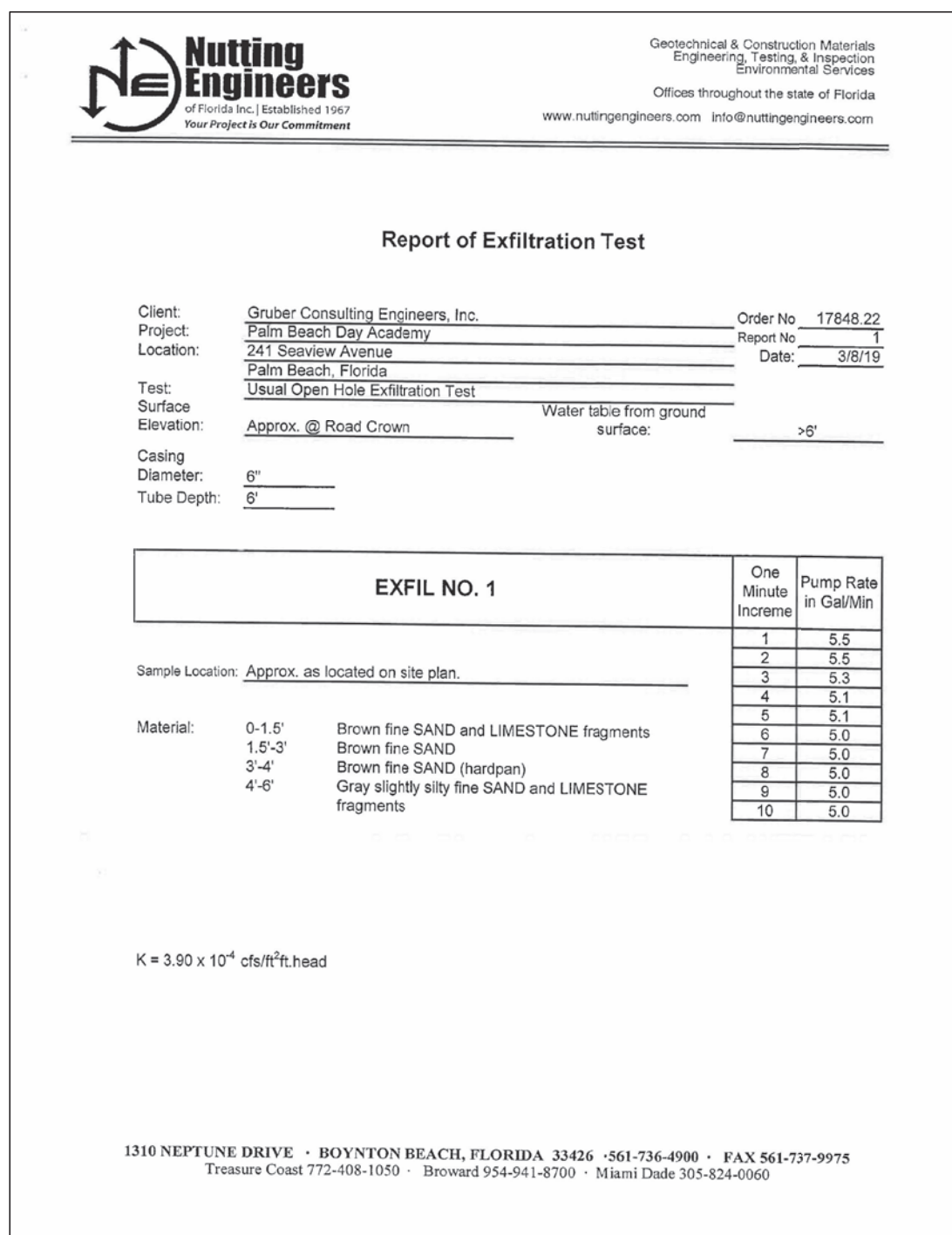
Impervious Surface Runoff Volume:  
1.0 x 2 in/hr x 11,684 sq.ft. x 1 ft./12 in. = 1,948 cu.ft.

Pervious Runoff Volume:  
0.2 x 2 in/hr x 8,847 sq.ft. x 1 ft./12 in. = 295 cu.ft.

Total Volume to be Retained = 2,243 cu.ft.

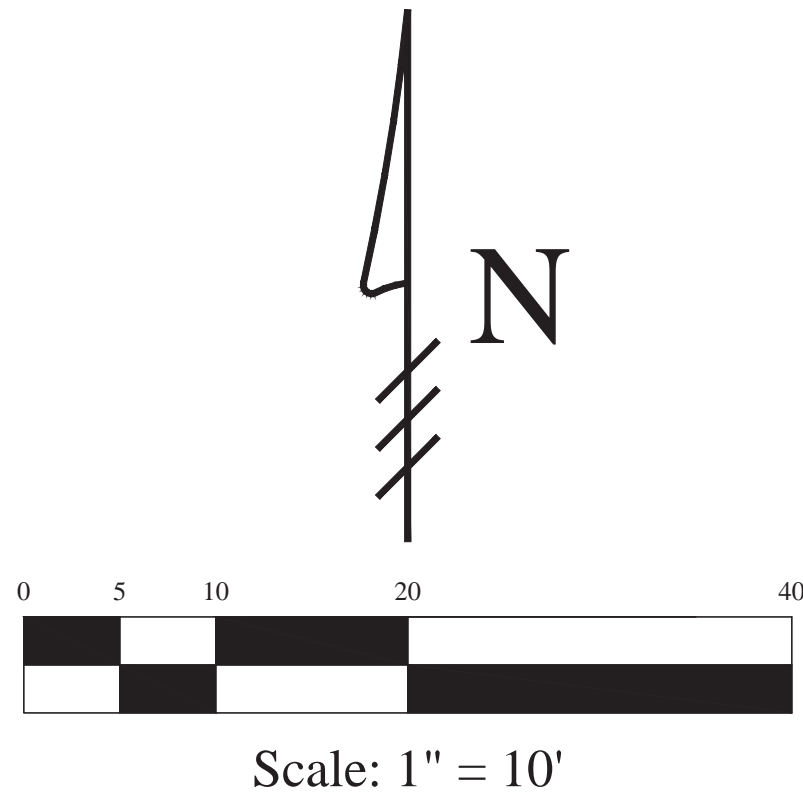
**C. PROPOSED EXFILTRATION TRENCH SIZING**

L = Total Length of Trench Provided = 155 ft  
W = Trench Width = 12 ft  
K = Hydraulic Conductivity = 0.00039 cfs/sq.ft./ft. of head  
H2 = Depth to Water Table = 1.17 ft  
DU = Un-Saturated Trench Depth = 0.50 ft  
DS = Saturated Trench Depth = 0.50 ft  
V = Volume Treated = 4,008 cu.ft.

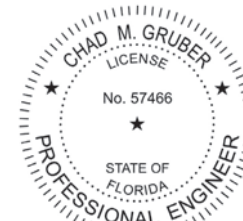


**Legend**

- EXISTING ELEVATION PER WALLACE SURVEYING CORP. (NAVD-88)
- PROPOSED ELEVATION (NAVD-88)
- PROPOSED ELEVATION CONTOUR (NAVD-88)
- FLOW DIRECTION
- EXFILTRATION TRENCH
- AREA DRAIN
- TYPE 'E' INLET WITH BAFFLE



07/25/22 UPDATE PLAN BACKGROUND; REVISE PROPOSED GRADING AND DRAINAGE



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FL P.E. No. 57466

Sheet No.  
**C-1**