

#### PLAN REVIEW COMMENTS FOR DP-05-23-018081

Town of Bluffton

Department of Growth Management
20 Bridge Street P.O. Box 386 Bluffton, South Carolina 29910
Telephone 843-706-4522

Plan Type: Development Plan Apply Date: 05/23/2023

Plan Status: Active Plan Address:

Case Manager: Dan Frazier Plan PIN #: R614 029 000 1985 0000

Plan Description: A request by Jen Townsley of Palmetto Coastal Landscaping, on behalf of Hampton Lake Community

Association, Inc., for the approval of a preliminary Development Plan. The project proposes to construct an enclosed storage area including a gravel storage yard, gravel access drive, stormwater BMP, and water service to utilize as vehicle and equipment storage for landscaping operations. The property is zoned

Buckwalter PUD and consists of approximately 10.9 acres, identified by tax map number R614-029-000-1985-0000 located on Parklands Drive within the Hampton Lake Master Plan.

STATUS: Staff comments will be heard at the June 28, 2023, meeting of the DRC.

#### **Technical Review**

**Submission #: 1** Received: 05/23/2023 Completed: 06/23/2023

Reviewing Dept.	Complete Date	Reviewer	Status
Watershed Management Review	06/15/2023	Samantha Crotty	Revisions Required
DRC			

#### Comments:

- 1. Revise the narrative to include storm attenuation for the 50- and 100-year, 24-hour design storm events. (SWDM 3.5.2)
- 2. Revise the narrative to include how Better Site Design Principles have been incorporated into the plan. (UDO 5.10.1.B.o)
- 3. Provide raingarden detail and outfall control structure detail on site plans.
- 4. Provide a Natural Resource Inventory map that identifies resources listed in Table 2.2 of the SWDM. (SWDM 2.1.3 and 2.1.8)
- 5. Recommended: The compliance calculator shows the site has D soils. Provide a geotechnical report to show that the existing soil's infiltration rate is at least 0.5 in/hr and there is at least 6" between the seasonal high water table and bottom of the bioretention. (SWDM 4.3)

Building Safety Review	05/30/2023	Richard Spruce	Not Required
Beaufort Jasper Water and Sewer Review	06/23/2023	James Clardy	Approved with Conditions
Comments: Comments may be provided at time of	of Development Review	Committee meeting.	

Planning Commission Review	06/23/2023	Dan Frazier	Approved with Conditions
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#### **Comments:**

1. Provide a fence detail at time of final development plan submittal. The applicant stated at the pre-application meeting that the enclosure fence would not be a chain link fence.

enclosure fence would not be a chair	link fence.			
Fire Department Review	06/23/2023	Dan Wiltse	Approved	
Planning Review - Address	06/21/2023	Diego Farias	Approved	
Planning Review - SR	06/23/2023	Jordan Holloway	Approved	
Police Department Review	06/23/2023	Bill Bonhag	Approved	

06/23/2023 Page 1 of 2

05/24/2023

Megan James

Approved

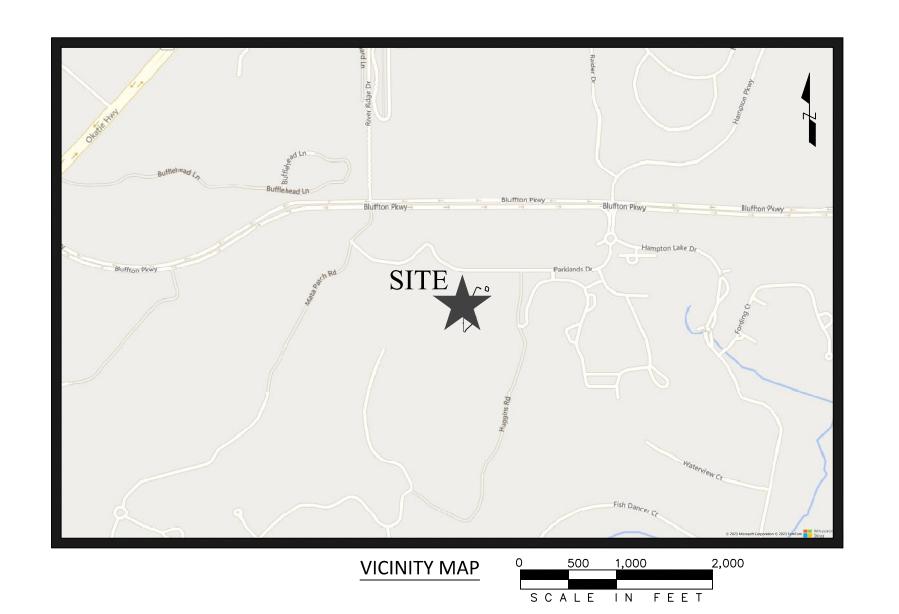
Transportation Department Review

Comments:

No comments

**Plan Review Case Notes:** 

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PERMIT PLANS FOR

# PARKLANDS DRIVE TRACT 4 SITE IMPROVEMENTS

PARCEL R614 029 000 1985 0000 USE: VEHICLE STORAGE

PARKLANDS DRIVE
TRACT 4
BLUFFTON, SC 29910
SURVEY DATUM: NAVD88

	Sheet List Table		
Sheet No.	Sheet Title		
1	TITLE SHEET		
2	GENERAL NOTES & LEGENDS		
3	EXISTING CONDITIONS		
4	DEMO & SWPP PLAN		
5	SWPPP DETAILS		
6	SITE IMPROVEMENTS PLAN		

PREPARED FOR

PALMETTO COASTAL LANDSCAPING 7589 TARBORO ROAD RIDGELAND, SC 29936

PROPERTY OWNER

HAMPTON LAKES COMMUNITY ASSOCIATION, INC.
PO BOX 3278
BLUFFTON, SC 29910

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PREPARED FOR:

PALMETTO COASTAL LANDSCAPING

PROJECT:

PARKLANDS DRIVE TRACT 4 SITE IMPROVEMENTS



REV #	DATE	DESCRIPTION
DATE		05/17/2023
SHEET	NAME	
		TITLE SHEET
SHEET	NO.	_
		1

TBM

TREE SIZES ARE INCHES IN DIAMETER SPOT ELEVATION CONTOUR CMF □ 3" CONCRETE MONUMENT FOUND IPPF ◎ 3/4" IRON PIPE FOUND IPF 🔘

1/2" IRON PIN FOUND TEMPORARY BENCH MARK INVERT ELEVATION REINFORCED CONCRETE PIPE HIGH DENSITY POLYETHYLENE PIPE WATER MARKER FIRE HYDRANT

SURVEY NOTES: 1) UNDERGROUND UTILITIES NOT LOCATED EXCEPT AS SHOWN

2) NANDINA, INC. CERTIFIES TO THE BOUNDARY, TOPOGRAPHIC AND ASBUILT INFORMATION PROVIDED HEREON AS THE DATE OF THE SURVEY. THIS SURVEY MAY BE USED IN DIGITAL FORMAT AS A BASE FOR OTHERS AND ANY REVISIONS OR ADDITIONS MADE HEREAFTER IS NOT THE RESPONSIBILITY OF NANDINA, INC. A HARD COPY AVAILABLE FROM NANDINA, INC. WILL BE THE ONLY OFFICIAL DOCUMENT.

3) SUBJECT PROPERTY DOES NOT APPEAR TO BE AFFECTED BY THE BEACHFRONT SETBACK REQUIREMENTS OF THE S.C. BEACH PROTECTION

4) HORIZONTAL DATUM IS SC STATE PLANE, NAD83. 5) VERTICAL DATUM IS NAVD88.

6) CONTOUR INTERVAL IS 1'

7) USE OF THIS PROPERTY MAY BE AFFECTED BY THE TERMS OF COVENANTS RELATING TO THIS PLANNED RESIDENTIAL COMMUNITY. 8) BUILDING SETBACKS, WHETHER SHOWN OR NOT, SHOULD BE VERIFIED

BY THE LOCAL BUILDING AUTHORITY OR ARCHITECTURAL REVIEW BOARD. 9) THIS SURVEY HAS BEEN PREPARED WITHOUT BENEFIT OF A COMPLETE TITLE SEARCH AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

10).THIS SURVEY DOES NOT CERTIFY TO THE EXISTENCE OR ABSENCE OF FRESHWATER WETLANDS.

11). IF IDENTIFICATION OF TREES IS CRITICAL TO DEVELOPMENT, AN ARBORIST SHOULD BE CONSULTED TO VERIFY SUCH TREE IDENTIFICATION.

#### REFERENCE PLAT

1) A SUBDIVISION PLAT OF PARCELS 1, 2A, 2B, 3, 4, 5, & 7, FORMERLY, RESORT TRACTS B & C, BEING PORTIONS OF THE BUCKWALTER TRACT, TOWN OF BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA DRAWN: 10/28/2016 RECORDED IN BOOK 145, PAGE 118, DATED 12/12/2016 ROD. BEAUFORT COUNTY, SC

PROPERTY AREA = 10.9 Ac. 474.685 Sq. Ft. ADDRESS: NO PARCEL ADDRESS DISTRICT: 614, MAP: 29, PARCEL: 1985

BY: ROBERT K. MORGAN S.C.R.L.S. # 26957

THIS PROPERTY LIES IN F.E.M.A. ZONE X BASE FLOOD ELEVATION = N/A

COMMUNITY NO. 450251, PANEL 0465G, DATED: 3/23/2021

### **GENERAL NOTES:**

- 1. ALL SILT BARRIERS AND OTHER EROSION CONTROL MEASURES MUST BE PLACED PRIOR TO LAND DISTURBING ACTIVITIES.
- 2. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE OWNER AND ENGINEER
- PRIOR TO BEGINNING CONSTRUCTION. THIS MEETING SHALL BE SCHEDULED WITH THE OWNER AND ENGINEER AT THE TIME NOTICE TO PROCEED IS GIVEN. 3. THE OWNER AND ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE,
- DURING REGULAR HOURS (8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS), BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY. 4. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION FOR THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT), BEAUFORT COUNTY SPECIFICATIONS, AND THE PROJECT SPECIFICATIONS.
- 5. THE CONTRACTOR WILL BE REQUIRED TO HAVE ON SITE A COPY OF SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, LATEST EDITION.
- 6. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED ON THE PLANS OR IN THE SPECIFICATIONS SHOULD BE IMMEDIATELY BROUGHT TO THE ENGINEERS ATTENTION. NOTED ON THE CONTRACTOR'S PROPOSAL, AND DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO CORRECT THE SAME AND CONSTRUCT THE PROJECT AS
- DESIGNED. 7. THE EXISTENCE, ABSENCE, LOCATION AND ELEVATION OF UNDERGROUND UTILITIES ON THE PLANS ARE NOT BASED ON FIELD MARKS, ARE NOT GUARANTEED, AND SHALL BE INVESTIGATED, UNEARTHED IF NECESSARY, AND VERIFIED BY CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811, "CALL BEFORE YOU DIG" SERVICE IN ORDER TO LOCATE UTILITIES PRIOR TO STARTING ANY EXCAVATION OR
- 9. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, ABOVE GROUND OR BELOW
- 10. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH APPROPRIATE UTILITIES PRIOR TO AND/OR DURING CONSTRUCTION.
- 11. CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY BEFORE DIGGING NEAR WATER AND SANITARY SEWER LINES.
- 12. NO EXTRA PAYMENT WILL BE MADE FOR REPAIRS TO DAMAGE OF EXISTING UTILITIES. 13. THE CONTRACTOR WILL NOT BE PAID FOR DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY FACILITIES. OBSTRUCTIONS, OR ANY OTHER ITEMS NOT REMOVED OR
- RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF THEIR WORK. 14. ALL STRUCTURES, TREES AND SHRUBS WHICH ARE WITHIN THE LIMITS OF THE PROPERTY BOUNDARY, BUT OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE
- DISTURBED UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. 15. UNSUITABLE AND SURPLUS EXCAVATION MATERIAL NOT REQUIRED FOR FILL SHALL BE
- DISPOSED OF OFFSITE. 16. CONTRACTOR IS TO CLEAN ALL STORM WATER INLETS AND PIPE AT THE COMPLETION OF CONSTRUCTION TO REMOVE ANY SILT AND DEBRIS. THE CLEANING OF DROP
- INLETS, CULVERTS, AND PIPES (EXISTING AND PROPOSED) SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR. 17. ANY DAMAGE TO THE SIDE STREETS OR SIDEWALK DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN AN EXPEDIENT MANNER AT THE CONTRACTOR'S EXPENSE.

# SCDHEC STANDARD NOTES:

- 1. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER & TEMPORARY SEEDING AT THE END OF THE DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE ILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS
- 2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF HE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED BUT IN NO CASE MORE THAN 14 DAYS AFTER THE WORK HAS CEASED, EXCEPT AS NOTED A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS. STABILIZATION MEASURES MUST BE INITIATED AS SOON AS
- B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, & EARTH—DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- 3. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM THE CONSTRUCTION AREA & THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

  4. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONTRUCTION IN ORDER TO CONTROL EROSION AND/OR
- OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED. 5. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL
- AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS OR OBTAIN APPROVAL FOR AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72–300 & SCR100000.

  6. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS & BUILDING PRODUCTS WITH THE SIGNIFICANT POTENTIAL IMPACT (SUCH AS STOCK—PILES OF FRESHLY TREATED LUMBER) & CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM
- 7. ALL SEDIMENT & EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK, IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATEL OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- 8 INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H-1V OR CREATER) WHERE LAND DISTURBING ACTIVITIES HAVE CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- 9. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL. 10. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT & VEHICLE WASHING, WHEEL WASH WATER, & OTHER WASH WATER. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- 11. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES & EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMP's (SEDIMENT BASIN, FILTER BAG, ETC.) 12. THE FOLLOWING DISCHARGES FROM THE SITE ARE PROHIBITED: · WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL
- WASTEWATER FROM WASHOUT & CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS & OTHER CONSTRUCTION MATERIALS · FUELS. OILS. OR OTHER POLLUTANTS USED IN VEHICLE & EQUIPMENT OPERATION & MAINTENANCE
- SOAPS OR SOLVENTS USED IN VEHICLE & EQUIPMENT WASHING
   AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK & MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED
- ON ALL AREAS OF THE CONSTRUCTION SITE.

  14. IF EXISTING BMP's NEED TO BE MODIFIED OR IF ADDITIONAL BMP's ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE NEXT STORM IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP & ALTERNATIVE
- BMP's MUST BE IMPLEMENTED AS SOON A REASONABLY POSSIBLE. 15. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER
- TO APPROPRIATE TRAPS OR STABLE OUTLETS. 16. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- 17. IF CABLE, ELECTRIC, AND NATURAL GAS UTILITIES ARE INSTALLED, THE INSTALLATION OF THESE IS TO BE WITHIN THE PERMITTED LIMITS OF DISTURBANCE AND INSTALLATION OUTSIDE OF THESE AREAS WILL REQUIRE A MODIFICATION TO THE PERMIT.
- 18. INLET PROTECTION SHALL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVE FLOWS FROM THE DISTURBED 19. CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES

# **PROJECT DATA:**

- 1. TAX MAP & PARCEL NUMBERS:
- 2. SITE ADDRESS: 3. ACREAGE OF PROPERTY:
- 4. ACREAGE OF DISTURBANCE:
- 5. PROPERTY OWNER:
- 6. DEVELOPER:
- 7. ZONING:
- 8. EXISTING LAND USE:
- 9. PROPOSED LAND USE:
- 10. RECEIVING STREAM:
- 11. ULTIMATE STREAM: 12. PRE-DEVELOPMENT IMPERVIOUS AREA: 0.8% IMPERVIOUS
- 13. POST-DEVELOPMENT IMPERVIOUS AREA: 8.7% IMPERVIOUS
- 14. TARGET WQ RETENTION VOLUME (1.95"): 9,880 CF 15. POST AVAILABLE RETENTION VOLUME:

- TMS R614 029 000 1985 0000 PARKLANDS DRIVE, BLUFFTON, SC 29910
- 10.9 ACRES 3.5 ACRES
- HAMPTON LAKES COMMUNITY ASSOCIATION, INC. PO BOX 3278
- BLUFFTON, SC 29910
- PALMETTO COASTAL LANDSCAPING 7589 TARBORO ROAD
- RIDGELAND, SC 29936 PUD - BUCKWALTER PUD
- VEHICLE STORAGE STONEY CREEK (THROUGH HAMPTON LAKES POND SYSTEM)

UNDEVELOPED

- MAY RIVER
- 13,330 CF

# **ATTACHMENT 4**







PREPARED FOR:

**PALMETTO** COASTAL LANDSCAPING

PROJECT:

PARKLANDS DRIVE TRACT 4 SITE **IMPROVEMENTS** 



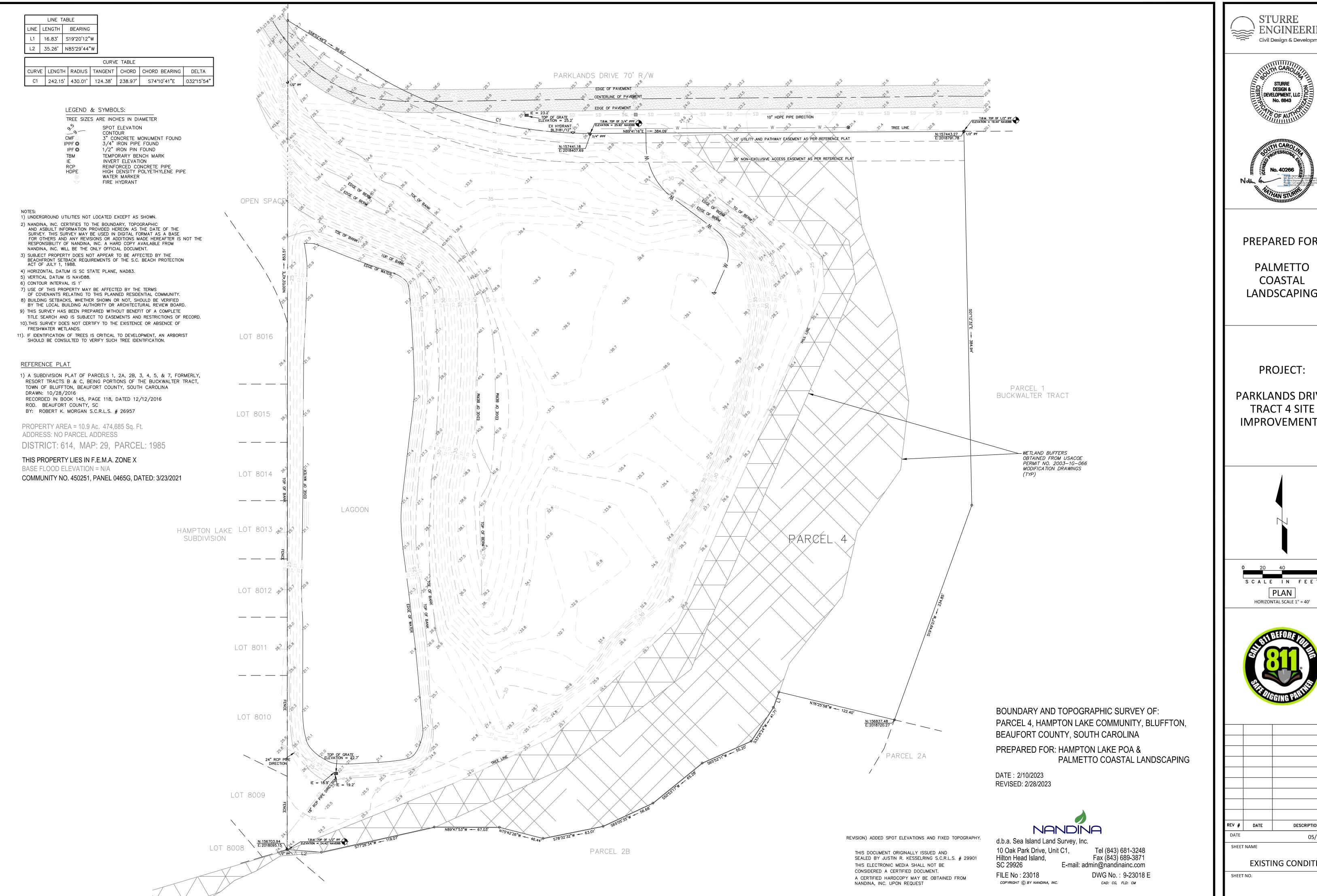
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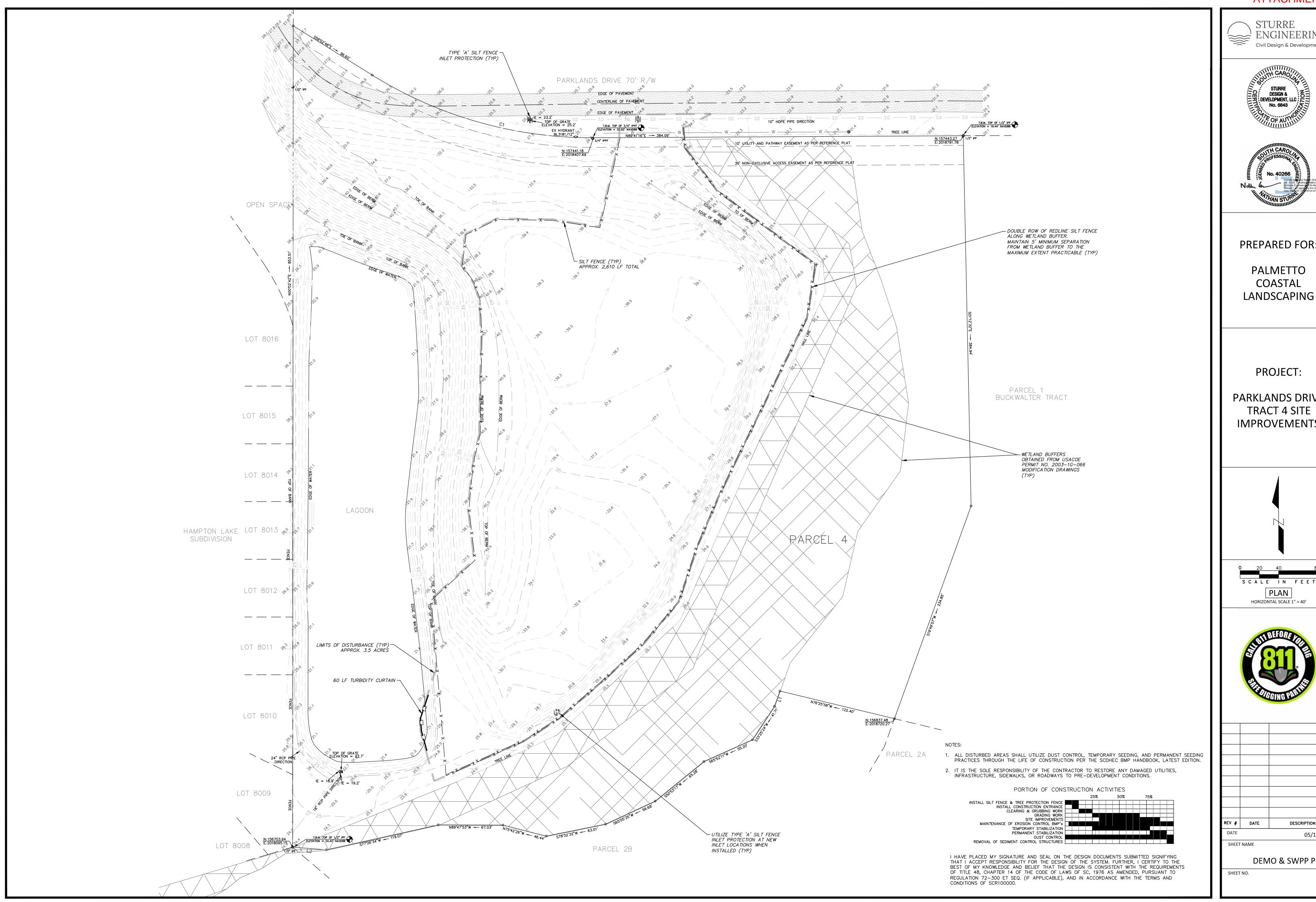
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**GENERAL NOTES & LEGEND** 

SHEET NO.

05/17/20





**ENGINEERING** 

Civil Design & Development

**DESIGN &** 

No. 6843

DEVELOPMENT, LLC

PREPARED FOR:

**PALMETTO** 

COASTAL

LANDSCAPING

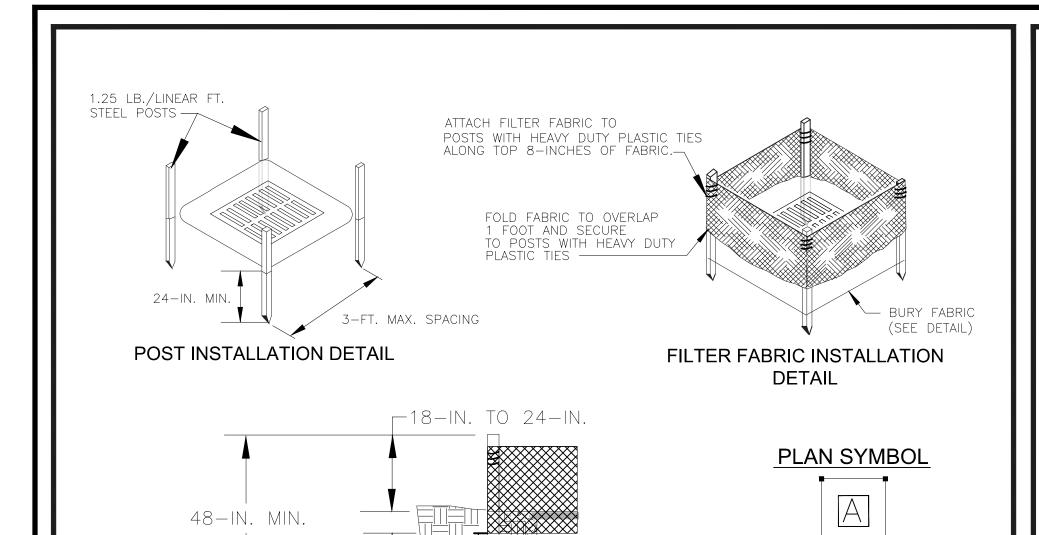
PROJECT:

PARKLANDS DRIVE

TRACT 4 SITE

**IMPROVEMENTS** 

STURRE



8-IN. MIN.

FILTER FABRIC BURIAL DETAIL

BURY & TRENCH MINIMUM

OF 12-INCHES OF FILTER FABRIC-

# South Carolina Department of Health and Environmental Contro Type A

FILTER FABIC INLET PROTECTION NDARD DRAWING NO. SC-07 PAGE 1 of NOT TO SCALE FEBRUARY 2014

DATE

- TYPE A FILTER FABRIC REQUIREMENTS . Silt fence must be composed of woven geotextile filter fabric that
- consists of the following requirements: Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each
- Free of any treatment or coating which might adversely alter its physical properties after installation; Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway
- 3. 12—inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
- 4. Filter Fabric shall be purchased in continuous rolls and cut to the
- 5. Filter Fabric shall be installed at a minimum of 24-inches above the
- TYPE A POST REQUIREMENTS

Have a minimum width of 36—inches.

1. Silt Fence posts must be 48—inch long steel posts that meet, at a minimum, the following physical characteristics. Composed of a high strength steel with a minimum yield Include a standard "T" section with a nominal face width of

1.38—inches and a nominal "T" length of 1.48—inches.

- Weigh 1.25 pounds per foot (± 8%) Posts shall be equipped with projections to aid in fastening of filter
- Install posts to a minimum of 24—inches. A minimum height of 1— to 2— inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- 4. Post spacina shall be at a maximum of 3-feet on center.

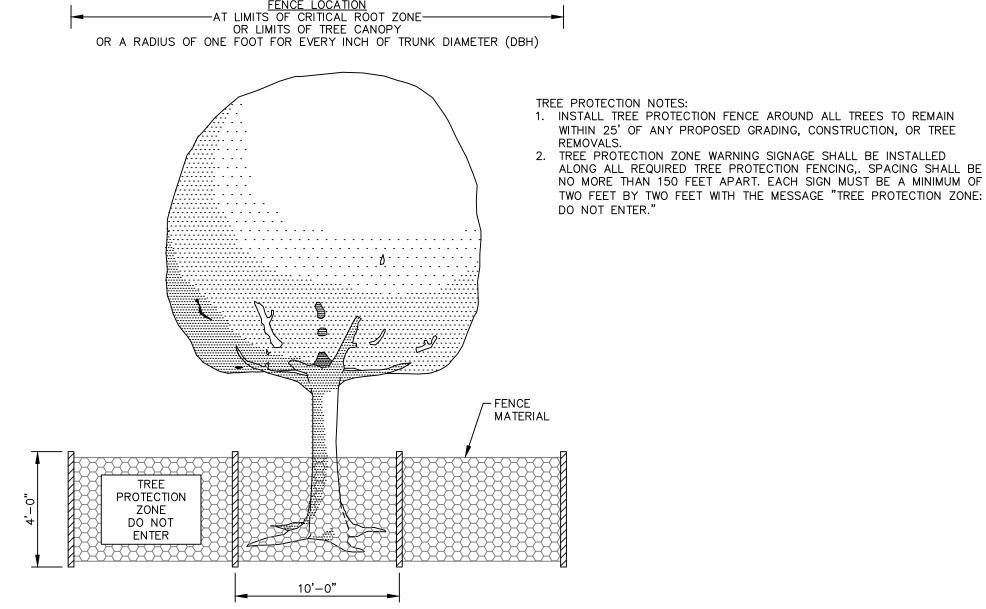
- TYPE A INSPECTION & MAINTENANCE 1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
- 2. Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2—inch or more of precipitation.
- important. Accumulated sediment should be continually monitored and removed when necessary. 4. Remove accumulated sediment when it reaches 1/3 the height of the

3. Attention to sediment accumulations along the filter fabric is extremely

- filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the
- 5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
- 6. Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
- 7. Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
- 8. Inlet protection structures should be removed after all the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas

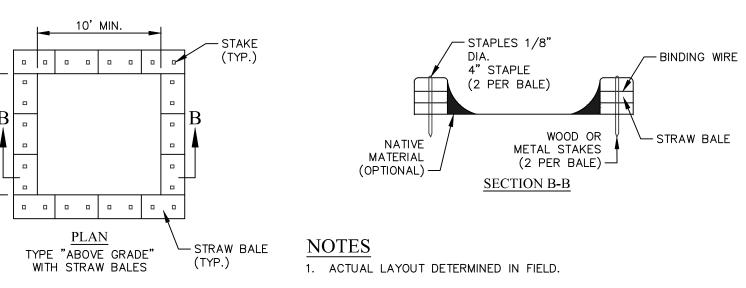
South Carolina Department of Health and Environmental Contro Type A FILTER FABIC INLET PROTECTION indard drawing no. SC-07 PAGE 2 of

GENERAL NOTES FEBRUARY 2014
DATE



TREE PROTECTION FENCE DETAIL N.T.S.

## STRAW BALE BARRIER CONCRETE WASHOUT



2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE LETTERS A TEMPORARY CONCRETE WASHOUT FACILITY. MINIMUM OF

3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.

4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL

5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.

6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.

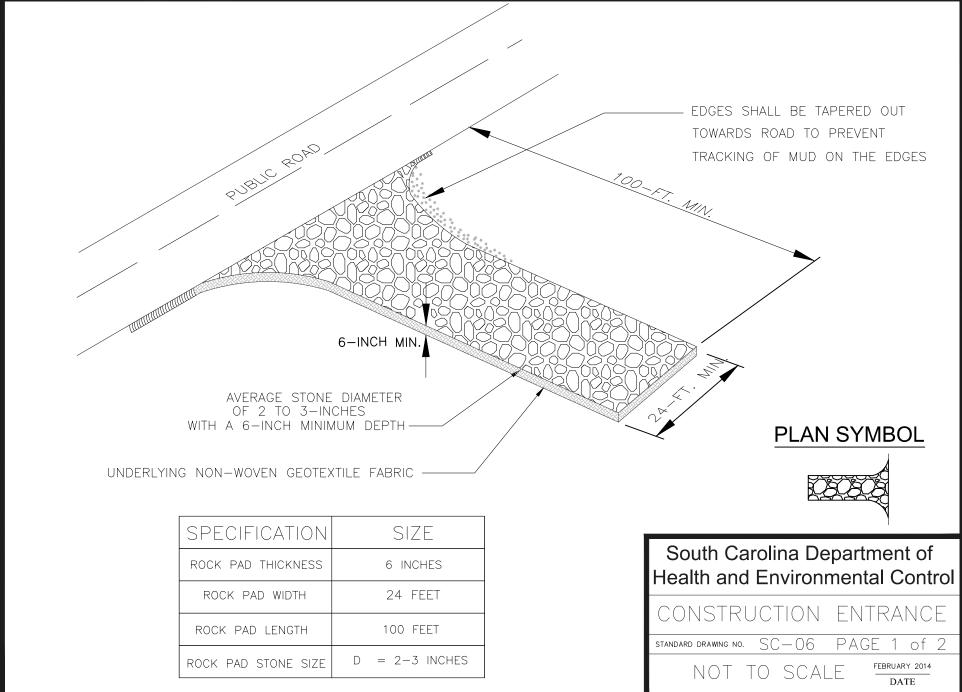
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

#### CONCRETE WASHOUT STRAW BALES OR ABOVE GROUND SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH STANDARD DRAWING NO. RC-07 [PAGE 1] N.T.S.

# WASHOUT CONCRETE WASHOUT SIGN DETAIL

5" IN HEIGHT —

CONCRETE



CONSTRUCTION ENTRANCE - GENERAL NOTES . Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.

- 2. Install a non-woven geotextile fabric prior to placing any
- 3. Install a culvert pipe across the entrance when needed to provide positive drainage.
- 4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
- Minimum dimensions of the entrance shall be 24-feet wide by 100—feet long, and may be modified as necessary to accommodate site constraints.
- The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
- Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
- Limestone may not be used for the stone pad.

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.

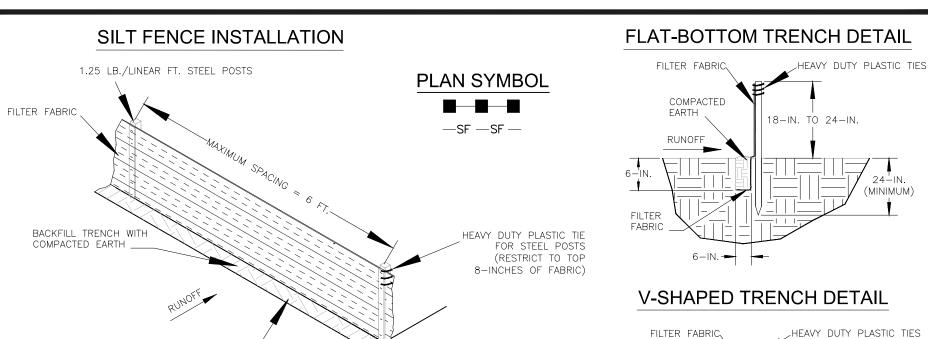
CONSTR. ENTRANCE - INSPECTION & MAINTENANCE

- 2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
- 3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
- 4. Reshape the stone pad as necessary for drainage and runoff
- 5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
- 6.Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
- 7. During maintenance activities, any broken pavement should be repaired immediately.
- 8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve

South Carolina Department of Health and Environmental Contro

CONSTRUCTION ENTRANCE

andard drawing no. SC-06 PAGE 2 of GENERAL NOTES FEBRUARY 2014



RURY FABRIC

SILT FENCE — GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.

. Maximum sheet or overland flow path length to the silt fence shall be 100—feet. . Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.

USE EITHER FLAT-BOTTOM,

OR V-BOTTOM TRENCH

- 4. Silt fence joints, when necessary, shall be completed by one of the following options: — Wrap each fabric together at a support post with both ends fastened to the post, with a 1—foot minimum overlap: - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy—duty plastic ties; or, - Overlap entire width of each silt fence roll from one support post to the next support post.
- Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top

South Carolina Department of Health and Environmental Contro SILT FENCE Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt tandard drawing no. SC-03 Page 1 of NOT TO SCALE

18-IN. TO 24-IN.

AT LEAST 12-INCHES

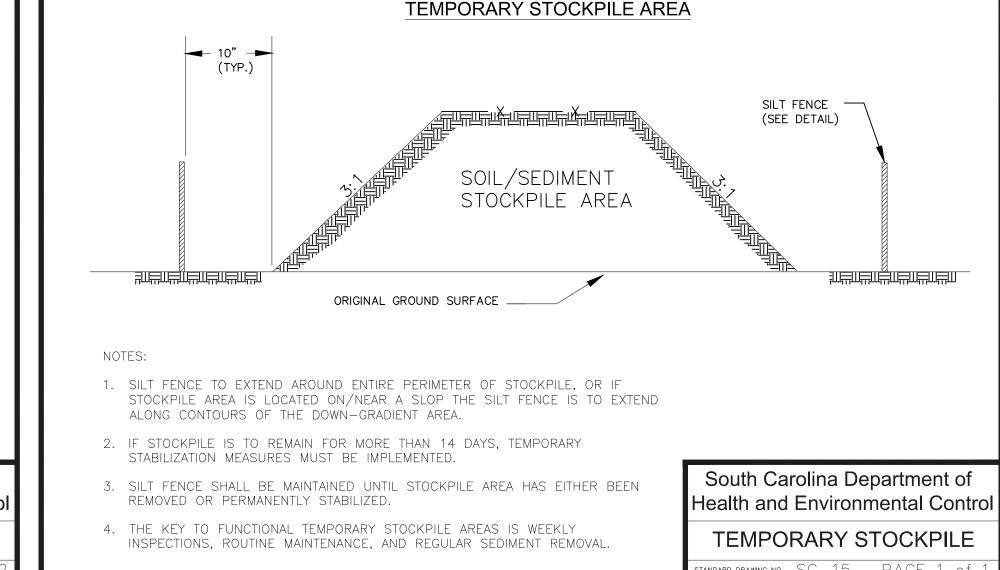
- T FENCE POST REQUIREMENTS
  Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics. — Composed of a high strength steel with a minimum yield strength of - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48—inches.
- Weigh 1.25 pounds per foot (± 8%) Posts shall be equipped with projections to aid in fastening of filter fabric. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17—square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be
- Install posts to a minimum of 24-inches. A minimum height of 1- to 2inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
- Post spacing shall be at a maximum of 6-feet on center.
- ILT FENCE FABRIC REQUIREMENTS Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements: - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability — Free of any treatment or coating which might adversely alter its physical properties after installation: - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and, – Have a minimum width of 36—inches.
- Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
- 12—inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.

the barrier to avoid joints.

5. Filter Fabric shall be installed at a minimum of 24—inches above the ground.

Filter Fabric shall be purchased in continuous rolls and cut to the length of

- SILT FENCE INSPECTION & MAINTENANCE 1. The key to functional silt fence is weekly inspections, routine maintenance, and
- 2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation. 3. Attention to sediment accumulations along the silt fence is extremely important.
- Accumulated sediment should be continually monitored and removed when
- Remove accumulated sediment when it reaches 1/3 the height of the silt
- 5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence,
- 7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence
- Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently



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DATE

indard drawing no. SC-15 PAGE 1 of NOT TO SCALE

**SWPPP DETAILS** SHEET NO.

REV #

DATE

SHEET NAME

DATE

05/17/20

DESCRIPTION



REV #	DATE	DESCRIPTION
DATE		05/17/2023