



Public Services & Facilities Committee

9:00 a.m., Tuesday, August 4, 2026

1207 Palm Boulevard

City Hall Council Chambers

Public Comment:

Citizens who wish to speak during the meeting must email their first and last name, address and topic to Nicole DeNeane, City Clerk, at nicoled@isleofpalms.gov no later than 3:00 p.m. the day before the meeting. Citizens may also provide written public comment here:

<https://www.isleofpalms.gov/public-comment-form>

Agenda

- 1. Call to order** and acknowledgment that the press and the public have been duly notified of the meeting in accordance with the Freedom of Information Act.
- 2. Citizens' Comments** – All comments have a time limit of three (3) minutes.
- 3. Approval of previous meeting's minutes** – July 7, 2026
- 4. Marina Tenants' Comments**
- 5. Departmental Reports (p. 9)**
- 6. Old Business**
 - a. Update and discussion of Waterway Boulevard project
 - b. Update and discussion of beach projects (p. 13)
 - c. Update and discussion of marina parking lot reconfiguration (p. 15)
 - d. Update and discussion of marina dredging project work schedule
 - e. Update on potential beach volleyball court
 - f. Update on IT Costs
 - g. Discussion of amending trash collection policies as they relate to commercial operations (p. 27)
- 7. New Business**
 - a. Discussion and consideration of purchase of Public Works Automated Side Loader (FY 27, Hospitality Fund, \$435K budgeted) (p. 33)
 - b. Discussion of trash at the marina
- 8. Miscellaneous Business- next meeting: Tuesday, September 1, 2026 at 9am**
- 9. Adjournment**



Public Services & Facilities Committee Meeting
9:00am, Tuesday, July 7, 2026
1207 Palm Boulevard, Isle of Palms, SC and
broadcasted live on YouTube: <https://www.youtube.com/user/cityofisleofpalms>

MINUTES

1. Call to Order

Present: Council members Miars, Streetman and Pierce

Staff Present: Administrator Kerr, Deputy Administrator Kuester, Director Asero,
Director Ferrell

2. Citizen's Comments

Brenda Rosenthal spoke with concern about the use of e-bikes on the Waterway Boulevard path. She said that according to national standards, the Waterway Boulevard path is not wide enough to qualify as a multi-use path. She would like to see the City enact an ordinance similar to Wild Dunes that restricts the use of e-bikes on paths.

Kevin Martz spoke about the use of the 28th Avenue cul-de-sac during basketball camp. His comments are attached to these minutes.

3. Approval of Previous Meeting's Minutes – June 2, 2026

MOTION: Council Member Miars made a motion to approve the minutes. Council Member Pierce seconded the motion. The motion passed unanimously.

4. Marina Tenant's Comments – none

5. Departmental Reports

6. Old Business

A. Update and discussion of Waterway Boulevard project

Administrator Kerr said the change order with The Bastion Group has been executed. Staff continues to review the need for or elimination of sod and prepare an inventory of driveways needing repair.

Council Member Pierce noted some breakage on outer edges of new asphalt in areas adjacent to a drop-off. Administrator Kerr will look into the matter.

The Committee briefly discussed Ms. Rosenthal's concern about the use of e-bikes on the path. Administrator Kerr noted that the intent of the project was not to change the use of the path, but

to improve it. He added that the Public Safety Committee has approved the placement of signs indicating “No Motorized Vehicles” along the path when it is completed. However, he points out that Chief Cornett is limited by State law on how much he can enforce the e-bikes on the path.

The project is currently due to be completed in mid-September.

B. Update and discussion of beach projects

Administrator Kerr said equipment for the renourishment project begins arriving today. City staff meets weekly with CS&E, Marinex, and Wild Dunes.

He said that BCM has concerns with some of the private beach walkovers that come out further than they should and or are wider than permitted. There are remnants of a pool that also need to be removed.

Video showing some cleanup of the mudballs on the south end was shared.

C. Update and discussion of marina parking lot reconfiguration

Administrator Kerr said Matt Cline has been engaged, and he attended a kickoff meeting with the restaurant tenants. Mr. Cline has expressed concern about the budgeted amount for the project, believing it to be too low.

D. Update on Marina dredging project work schedule

Administrator Kerr reported that the new bathometric surveys show more sediment around the T-dock needs to be removed than originally thought. ATM is working with USACE on the best permitting path forward. USACE is suggesting no change to the permit but making an adjustment at the end of the project.

Administrator Kerr said he met with the 26th Avenue Canal Association who believe they may be ready to begin work on their portion of the project about the same time as the City plans to mobilize. If that happens, it may be possible to share in mobilization costs.

E. Update on IT Costs

Deputy Administrator Kuester described the staff’s internal review process related to IT expenses. Current savings are approximately \$9,000. Staff will continue to look for areas to prune or consolidate IT services.

Council Member Pierce stated he would like to look at the vendor view as it would include IT costs and expenditures that might appear elsewhere in the budget. He believes more savings can be found. He added that it might be helpful to bring in someone temporarily to look at all of the City’s IT-related expenses.

7. New Business

A. Discussion of location and costs of potential beach volleyball court

Director Ferrell said the costs for a beach volleyball court range from \$45,000-\$60,000. She is still looking into a space for the court.

B. Consideration of bid trimming for palm trees - \$31,200, Planet Green Tree Service

Director Asero said trimming of the palm trees is necessary to capture the fruits that cause a mess on vehicles as well as the dead fronds. He said the City's arborist reviewed the trees to be trimmed and said this is the time of year to trim. He added that the new palm trees in the municipal lot will not need trimming for two years.

Administrator Kerr said that this is the annual cost of a 3-year contract that is paid out of the City's tree fund.

C. Discussion of the use of 28th Avenue cul-de-sac by Recreation Center visitors

Director Ferrell explained how the cul-de-sac at 28th Avenue is used as a safe drop-off and pickup spot for the annual basketball camp. She said drop-off at the front entrance is possible, but it makes parking difficult for the exercise classes beginning at the same time.

After discussion of options, the Committee members asked Director Ferrell to not advertise the spot as a pickup and drop-off location.

D. Discussion of amending trash collection policies as they relate to commercial operations

Director Asero said he has reviewed the history of ordinances related to solid waste collection. He is preparing an updated ordinance for the committee to review next month.

8. Miscellaneous Business

The next regular meeting of the Public Services & Facilities Committee will be Tuesday, August 4, 2026 at 9am.

9. Adjournment

Council Member Miars made a motion to adjourn and Council Member Streetman seconded the motion. The meeting was adjourned at 10:24am.

Respectfully submitted,
Nicole DeNeane
City Clerk

7/7/2026

My wife Gloria and I have lived on IOP for 18 years. Thank you for your service and supporting Isle of Palms residents' best interests.

The Recreation Center as you know was designed with a Palm Boulevard entrance. The roadway geometry, visibility, and circulation necessary was designed to safely accommodate public vehicle traffic. Redirecting visitors onto the residential cul-de-sac on 28th ave. defeats that original traffic design and shifts unnecessary vehicle activity into a neighborhood street.

On multiple occasions I have observed vehicles queued from the 28th ave cul-de-sac onto Waterway Boulevard during drop-off periods. I have also observed late-arriving drivers accelerating into the 100 yard cul-de-sac to drop children before programs begin. When the Rec Center directs drivers into that environment, it changes the character of the street. This is a planning and traffic management issue—not merely a neighborhood inconvenience.

I spoke with Karrie Ferrell – recreation director and questioned the activity.

- Google Maps was offered as the source of the misdirection. Based on my observations, the City's signage and published directions appear to contribute more to this traffic than Google Maps.
- I was told usage was minor/not material and only when conflicts necessitated. Directing people to 28th “occasionally” creates ongoing subjectiveness and confusion. It feeds the natural inclination of residents to avoid Palm Blvd and use the private streets. Traffic routing should be consistent and predictable.
- After I raised these concerns, I understand that residents were contacted regarding the issue. I was surprised by this approach and would appreciate assurance that any evaluation presented to Council reflects a complete and objective assessment of neighborhood concerns. The driver here is a risk and traffic management issue.

I also discussed the situation with an experienced commercial liability professional. His opinion was that directing traffic away from a purpose-built access point to a residential cul-de-sac likely would become a significant consideration following a serious accident, both in the amount of claim granted and also affecting future liability exposure and insurance costs.

No one wants anyone's children hurt. Not for my grandchildren, not my neighbors with multiple children, and not Maria who often cares for her grandchild.

We love IOP and appreciate the Recreation Center as an important community asset. We also believe children deserve the safest environment reasonably possible. Parents choose cul-de-sacs because they are perceived as safe. This is an ask to preserve that.

I am hopeful that in raising this concern council will:

- 1) review the traffic routing with appropriate parties
- 2) remove all public directions to 28th Avenue;
- 3) update website for clarity and eliminate signage;
- 4) advise residents of the Council's decision

Can you help me understand anything I am missing.

Kevin and Gloria Martz

kdmartz5@gmail.com

Reporting errors on Google Maps is a straightforward process. You can do this using either a mobile device or a desktop computer. Here's how:

Using Mobile Devices

- Open the Google Maps app.
- Search for the location with the error.
- Tap on the location name or address at the bottom.
- Scroll down and select "Suggest an edit".
- Choose the type of error and provide details.
- Submit your report.

Using Desktop

- Go to Google Maps in your web browser.
- Locate the area with the error.
- Right-click on the red pin or the location.
- Select "Report a data problem" from the menu.
- Fill out the form with the necessary information and submit it.

These steps will help ensure that errors are reported efficiently, contributing to the accuracy of Google Maps   .

Summer Camp Guidelines and Procedures

Drop Off: 8:30am – 9:00am daily, there will be a car line on 28th Ave

- Parents/Guardian stay in vehicles.
- After the camper has been checked-in they will go to their designated camp area
- Golf Carts will be treated as cars and will need to wait in car line.

Pick-Up: Camp will be dismissed at 3:00pm. Supervision is provided until 3:30pm.

- Car riders will be released to parents in car line, please be patient during this process
- Walkers/Bike Riders: Children that have a permission form on file to ride or walk home will be released at 3:00pm. They will not be allowed to hang out once camp is dismissed.
- Transportation Form

Illness:

- **Do Not** send your child to camp with any illness. **Do Not** send your child to camp with a fever.
- Campers who become ill at camp will be placed in isolation. Parents will need to make arrangements to have the child picked up within 1 hour of call.

Restroom/ Hand Washing schedules:

- Restroom breaks will be built into the schedule. Individual restroom trips will be discouraged.
- Hand washing will be encouraged often, Staff will monitor and make sure proper hand washing technique is taking place. Please take the time to teach your child proper handwashing method.

Group Activities:

- Campers will be placed in small groups 10:1 ratio, most likely by age
- Campers will stay with counselor and small group for the week
- Proper footwear for running and outdoor games should be worn daily.
- Campers will be spending a large amount of time outdoors, remember to apply sunscreen daily and bring water bottle
- Snack: Recreation Department will provide snack for campers
- Lunch: Campers will provide lunch, no vending machines will be available during camp hours. Staff will wear gloves while assisting campers with lunches. NO microwave use for camp, please send ready to eat options. There will be NO food sharing



Isle of Palms Recreation Department

Monthly Report July 2026

Programs, Group Fitness, Athletics & Special Events

- Adult Classes: Fitness Classes and Programs with top participation: Core & More (15), Strength (16), Tabata (24), Move-It (19), Stability & Strength (15), RXFit Club (14), Suspension Training (11), and Morning Yoga (16)
- Beach Yoga: Tuesdays at 7:30am through October - 25th Ave Beach Access. Approximately 20 people per week.
- 4th of July Home Decorating Contest: All American Spirit - 1st Place IOP Marina & 2nd Place - IOP Beach Chair Co. Most Patriotic - 1st Place Daniella Charles & 2nd Place Jackie Malan and Most Traditional - 1st Place Marcie Thompson & 2nd Place Bonnie Criswell. Participants had the month of June to register and decorate, judging took place June 30 and winners were announced via social media on July 1.
- Youth Soccer: registration opened July 7 and closes August 14 - currently 95 youth are registered.
- Adult Athletics: Table Tennis, 6v6 Soccer, and 3on3 Basketball - registration opened July 7 and closes August 14.
- Sea Stroll & Learn: Thursday, July 9 - Mary Pringle & Island Turtle Team, 58 people participated in the walk.
- Tennis Camp Red/Orange Ball: July 13 - 16, 6 youth participated in camp.
- Farmers Market, Food Truck Jam & Outdoor Movie "Matilda" will be held on Thursday, July 16. 46 vendors participated in the market and over 200 people stayed to watch the outdoor movie.
- IOP Beach Run: Saturday, July 25 - Front Beach Isle of Palms, 390 people preregistered and a total of 452
- Soccer Camp: July 27 - 31, 25 youth participated in the soccer camp.

Upcoming Programs, Events & New Offerings

- Get your Spike On Volleyball Camp: August 3 - 6 from 9am - 11am, currently 15 youth are registered.
- Gymnastics Camp: August 3 - 5 from 10:30am - Noon, currently 15 youth are registered.
- Trading Card Lab: August 4, 5 & 6 from 3:15 - 5:15pm, Ages 7-11. Create your own card game.
- Around the World: Aug 7 - Sept 18 from 3-4pm, ages 5-9 will virtually travel the world and discover cultures and traditions.
- 28th Annual Half Rubber Tournament: Saturday, August 8 at 8am, currently 4 teams are registered.
- Tiny Chefs: Aug. 10 - Sept. 14 at 3pm, 3 and 4 year olds will assemble no bake snack options, taste, share & clean.
- Speaker Series: Narcan Training for youth and families: Monday, August 10 at 6pm & Move Better, Live Better, Simple Strategies to stay strong & Active: Tuesday, August 11 at 5:30pm.
- Sea Stroll & Learn: Thursday, August 13, Seafoam, Algae, Fleas and other Curiosities 25th Ave Beach Access - Free 3
- AI Workshop: Tuesday, August 18 from 10am - Noon.
- Farmers Market, Food Truck Jam will be held on Thursday, August 20 from 4pm -7pm
- Marsh paint-along workshop: Saturday, August 22 at 11am
- Coffee with the Mayor: Friday, August 28 at 9am

Operations

- Tennis Court reconstruction started Tuesday, May 26, grading and asphalt complete, fence installed and the surfacing and striping is scheduled for 1st week of August.
- Meeting with vendors for quotes on exterior lighting upgrades at the Recreation Center.
- Activity Guide Fall 2026: finalizing schedules, classes, events and programs for fall programming scheduled to be released 1st week of August online and hard copies by the 2nd week of August.
- SCRPA Southern District Workshop: Thursday, July 30 at 10am at Alhambra Hall.
- Special Elections: August 11 and August 25 runoff, if needed.
- IOP Connector Run: monthly meetings with board for preparations and planning of the 5K & 10K Run on October 3.

Maintenance & Repairs

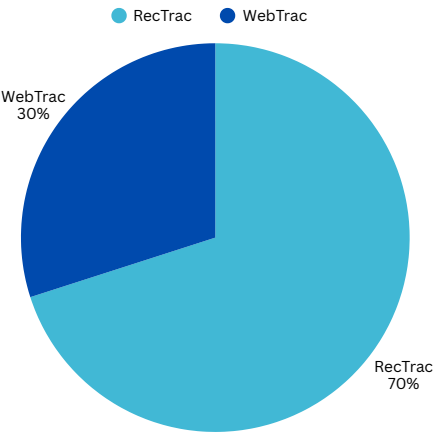
- Ice machine: met with AVIV for diagnostics. Recreation members cleaned and replaced sensors in machine.
- Soccer Field: replaced irrigation heads, replaced and remounted irrigation control box. Daily blowing, trash pickup, mow, trim & edge. Treated for Mole Crickets.
- Basketball, Pickleball, Fitness Court: daily blowing, cleaning, trash pickup, trim and edge. Repaired fitness court tiles.
- Cleaning and prepping island curb to be painted safety yellow.
- Replaced broken parking stop in parking lot.
- Met with Bastion Group for pricing on sidewalk repairs and other concrete work.
- Met with Possums for site survey and soil samples for turf fields.
- Back of building and Dog Park clean up: mow, leaf clean up, trash pickup, grading and level around fence.
- Equipment: replaced blades on push mower and zero turn.

Enrollment Report

July 2026

Participants registering for classes during the month from July 1 - July 30 RecTrac: in-house registration vs. WebTrac: online Registrations.

Total registrations for July: 444

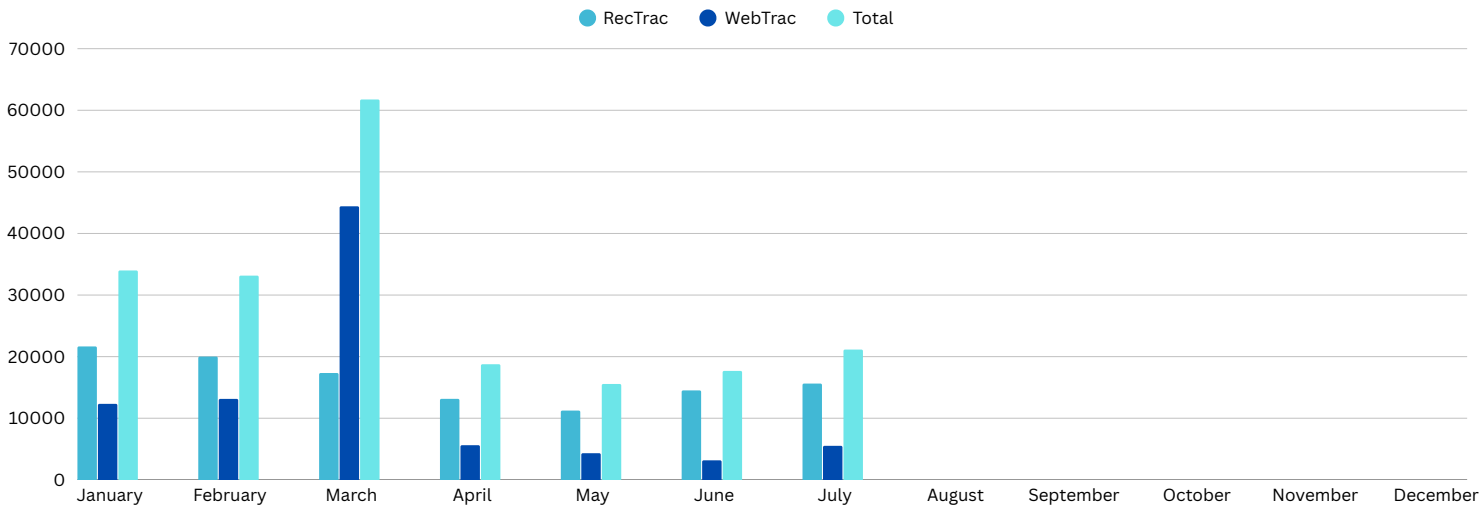


Monthly Revenues 2026

Revenue sales brought in by programs, athletics and events.

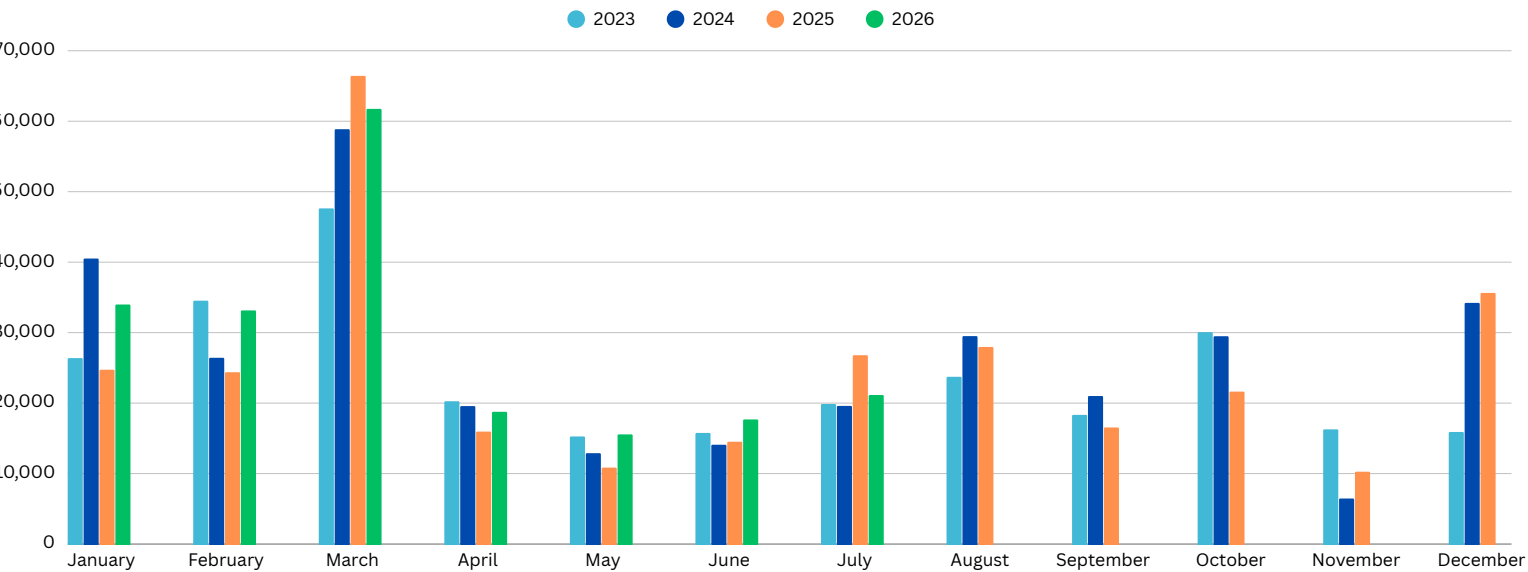
RecTrac: in-house vs WebTrac: online

Total Revenue for July: \$21,148



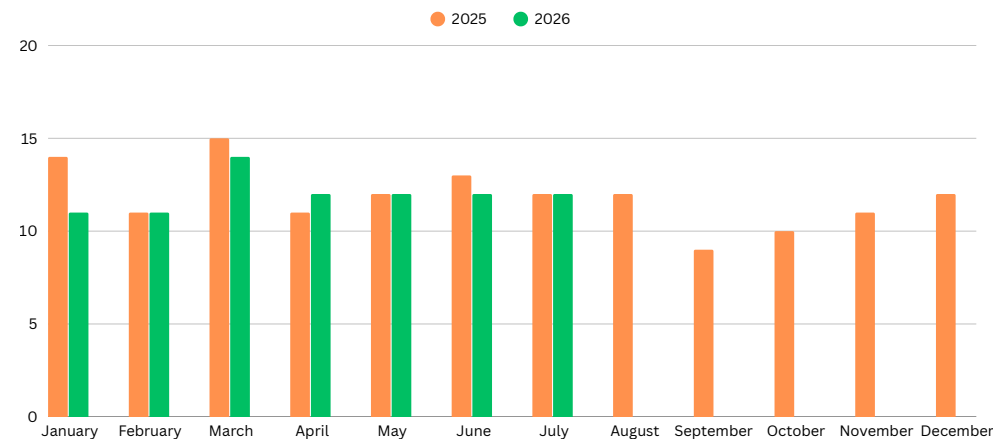
Annual Comparison

Year to Year



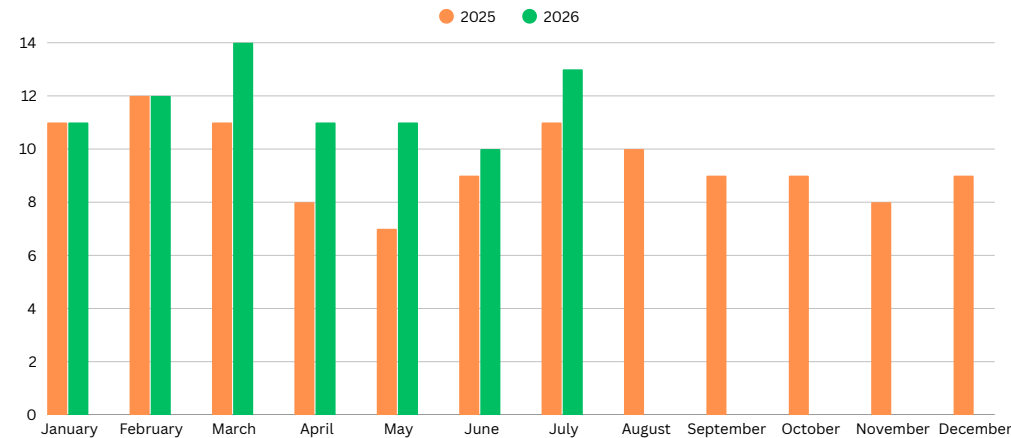
Open Gym Daily Average Visits

Participants utilizing the gymnasium for open play



Cardio Room Daily Average Visits

Participants utilizing the cardio room



Upcoming Events:

FARMERS MARKET

3rd Thursday
July - October
4pm - 7pm

Food Truck Jam, Arts & Crafts Vendors,
Live Music & More

Free IOP REC Stroll & Learn

Sea Foam, Algae, Fleas & Other Curiosities

Thursday, August 13
7:30am
25th Ave. Beach Access

Barrier Island
ECO TOURS
25th Ave. Beach Access

REGISTER TODAY!

ADULT SPORTS



IOP RECREATION
FALL 2026
YOUTH SOCCER



REGISTRATION
OPENS FOR IOP/SI
RESIDENTS: 7/7
NON-RESIDENTS: 7/14

ISLE OF PALMES
Recreation Dept.



Narcotics Allocation & Overdose Prevention Training

Monday, August 10, 6PM
Young Adults & Families

Monday, November 9, 10AM
Businesses & Other Organizations

Monday, December 7, 5PM
Seniors & Families

In partnership with IOP LENS Foundation

Free IOP REC Speaker Series



BEACH YOGA

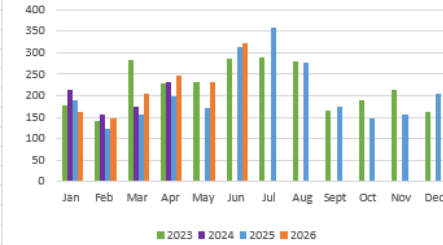
Tuesdays | August - October
7:30am | 25th Ave
Free



City of Isle of Palms, SC
Public Services Department - June 2026 Report

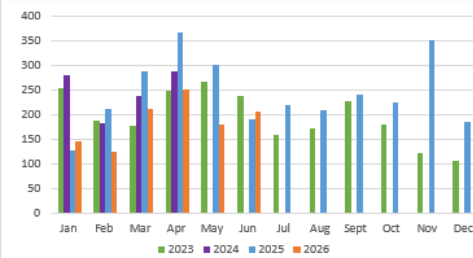
Household Garbage (Tons)

Month	2021	2022	2023	2024	2025	2026
Jan	177.84	195.16	177.78	213.1	188.39	163.35
Feb	146.48	166.74	141.99	155.8	122.54	146.13
Mar	204.6	269.88	283.84	174.12	155.86	204.7
Apr	249.86	232.29	228.59	231.41	200.01	246.21
May	238.23	224.49	230.63	270.85	172.1	231.4
Jun	309.71	295.83	286.52	285.71	312.67	322.86
Jul	334.17	317.47	290.33	369.56	360.17	
Aug	285.21	275.99	279.2	251.11	275.98	
Sept	247.76	167.91	164.66	207.05	174.7	
Oct	184.63	175.99	188.33	188.84	147.66	
Nov	315.31	147.67	213.92	130.67	155.89	
Dec	286.85	133.1	162.31	177.15	203.88	



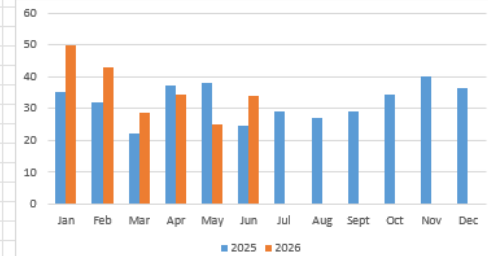
Yard Debris (Tons)

Month	2021	2022	2023	2024	2025	2026
Jan	183.07	218.4	252.78	279.78	126.21	145
Feb	156.06	190.63	188.5	182.95	212.03	123.28
Mar	282.37	215.58	176.46	236.88	286.98	212.02
Apr	256.07	231.64	248.37	288.91	366.07	249.44
May	208.32	190.02	265.62	229.39	300.94	180.87
Jun	266.23	217.88	236.52	186.2	189.64	205.54
Jul	273.08	202.64	159.51	256.16	218.83	
Aug	223.64	184.78	172.83	250.74	207.4	
Sept	182.96	212.11	227.8	176.09	239.25	
Oct	152.16	528.77	178.51	317.18	225.59	
Nov	124.04	304.19	120.6	166.13	350.71	
Dec	125.14	126.89	106.2	141.64	183.77	



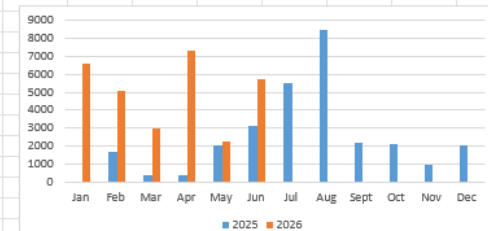
Miscellaneous Garbage Collection (Tons)

Month	2025	2026
Jan	35.07	50.14
Feb	32.09	42.84
Mar	22.25	28.92
Apr	37.1	34.49
May	38.12	25.02
Jun	24.64	34.11
Jul	28.98	
Aug	27.3	
Sept	29.06	
Oct	34.36	
Nov	40.14	
Dec	36.36	



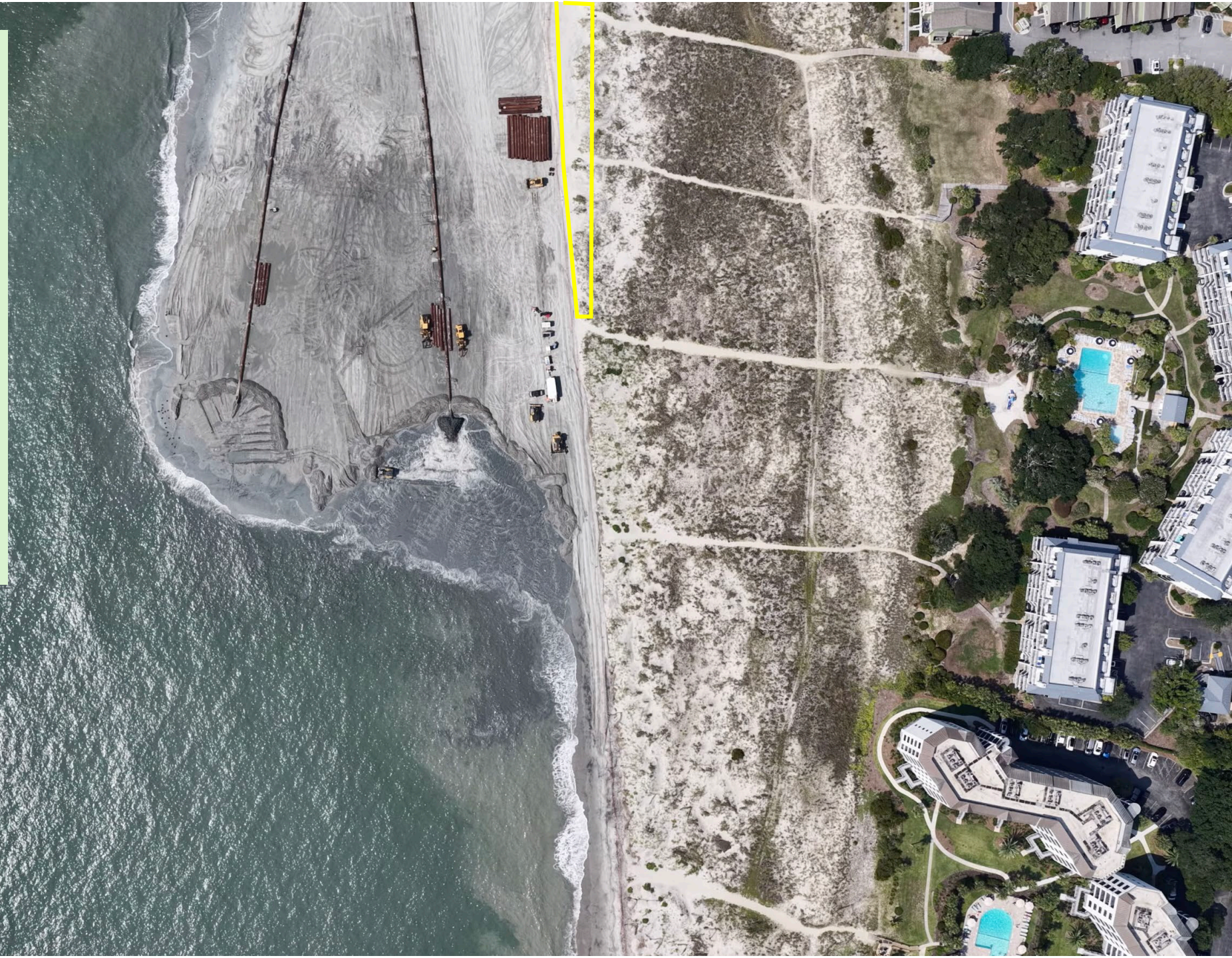
Stormwater Management (Linear Feet)

Month	2025	2026
Jan	0	6587
Feb	1679	5087
Mar	395	2940
Apr	358	7295
May	2010	2230
Jun	3115	5750
Jul	5530	
Aug	8445	
Sept	2150	
Oct	2140	
Nov	975	
Dec	2000	



1. Project on schedule – always subject to change
2. Daily cubic yard projection w/in initial estimates: ~25-30K cy per day
3. Back fence issue
4. Sandbags
5. Removal of derelict structures to comply with BCM

Photo taken at high tide 31 JUL





Alternate foot traffic paths will be required

Foot traffic

Limit of fencing

Active construction zone

Available beach at high tide is compressing

THIS DRAWING AND ASSOCIATED FILES ARE AN INSTRUMENT OF SERVICE AND THE PROPERTY OF CLINE ENGINEERING, INC. AND SHALL NOT BE USED OR REPRODUCED IN ANY WAY OTHER THAN AUTHORIZED BY CLINE ENGINEERING, INC. IN WRITING.
PLOT DATE: 29/08/2026 10:53:44 AM FILE LOCATION: S:\2025\2026\424050\PROJECT\DRAWINGS\SP01.DWG

SITE DEVELOPMENT PLANS
FOR

IOP MASTER PLAN

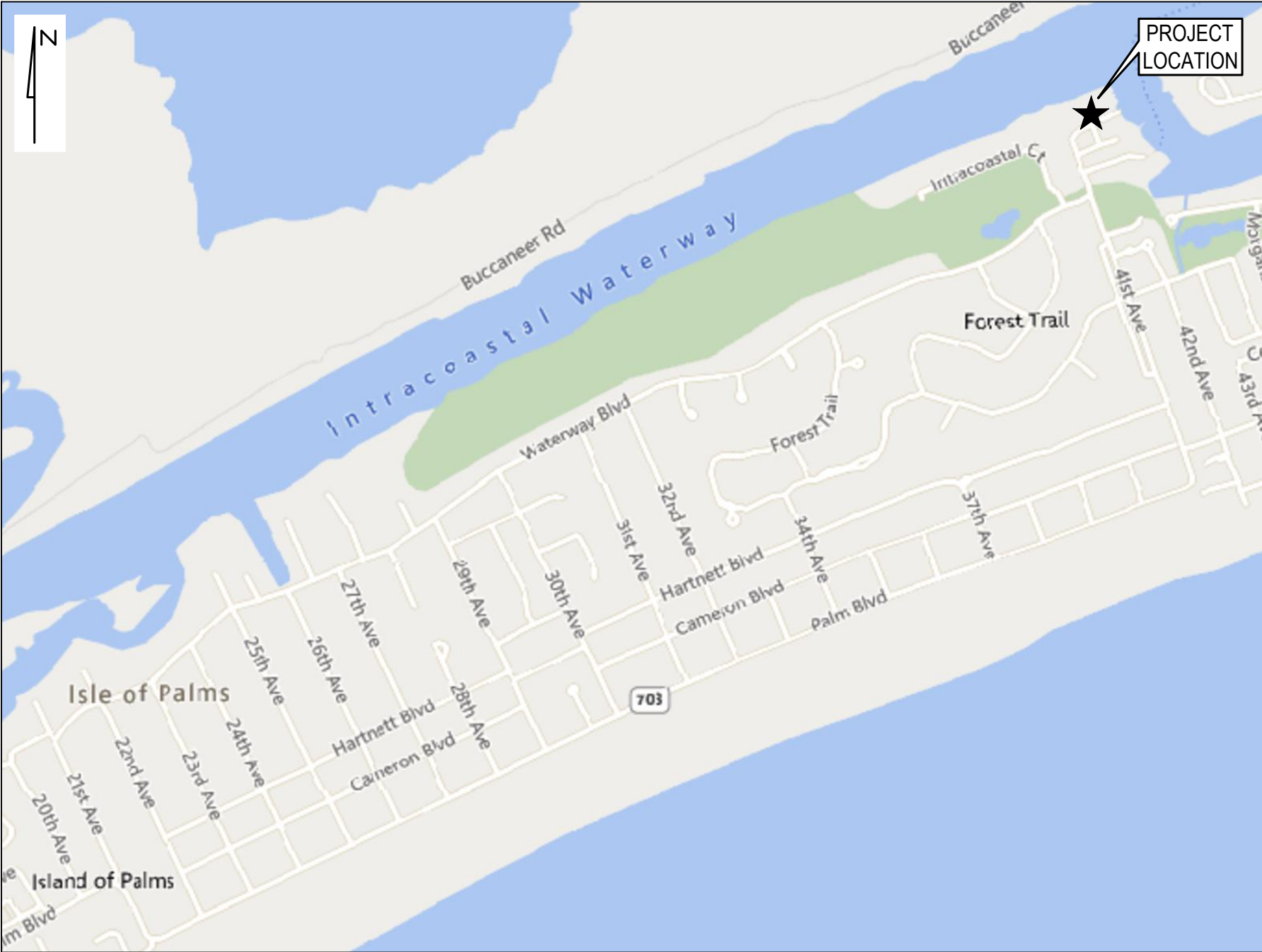
50 41ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

SITE CONTACTS		
CLIENT	CIVIL ENGINEER MATTHEW CLINE, P.E. CLINE ENGINEERING P.O. BOX 21204 CHARLESTON, SC 29413 PHONE (843) 991-7239	PROJECT SURVEYOR
CITY OF ISLE OF PALMS DOUGLAS KERR PO DRAWER 508 ISLE OF PALMS, SC 29451 PHONE (843) 886-6428	SOUTH CAROLINA EROSION CONTROL S.C.D.E.S. B.C.M. STORMWATER DIVISION 1362 McMILLAN AVE. SUITE 400 CHARLESTON, SC 29405 PHONE (843) 953-0200	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION DISTRICT 6 6355 FAIN BLVD. NORTH CHARLESTON, SC 29406 PHONE (843) 740-1667

ADA COMPLIANCE
THE PUBLIC RIGHT-OF-WAY MUST REMAIN ADA COMPLIANT DURING CONSTRUCTION OR AN ALTERNATIVE ROUTE MUST BE PROVIDED. IT IS THE OWNERS RESPONSIBILITY TO REPAIR ALL DAMAGED SIDEWALKS TO REINSTATE AN ADA ACCESSIBLE ROUTE.

PROJECT DESCRIPTION
SITE IMPROVEMENTS WILL CONSIST OF THE REDEVELOPMENT OF PARKING LOT AND DRIVEWAYS.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G-1	COVER
G-2	GENERAL NOTES
G-3	GENERAL NOTES
V-1	SITE CONDITIONS
C-1	SITE PLAN
C-2	DEMOLITION AND SWPPP
C-3	GRADING AND DRAINAGE PLAN
C-4	UTILITY PLAN
C-5	CONSTRUCTION DETAILS
C-6	CONSTRUCTION DETAILS
C-7	CONSTRUCTION DETAILS



VICINITY MAP
SCALE 1" = 1000'

PROJECT MANAGER

DRAWN BY

PROJECT DATE

SHEET NUMBER

MDG

ASJR

AUGUST 2025

2041

IOP MASTER PLAN

COVER

50 41ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

G-1

CLINE
ENGINEERING
PROFESSIONAL DESIGN CONSULTING

CLINE ENGINEERING, INC.
No. 4072
CERTIFICATE OF AUTHORITY

CLINE ENGINEERING, INC.
No. 26304
07/29/2026
Professional Engineer

A

07/29/2026

ISSUED FOR REVIEW AND APPROVAL

REV

DATE

DESCRIPTION

DRAWN

APPRV.

MDG

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49. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR ALL LANE AND SHOULDER CLOSURES WILL NEED TO BE SUBMITTED FOR ALL WORK WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL CLOSURES.
50. THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF DRIVEWAYS AND OTHER ACCESS POINTS, INCLUDING ANY NEW DRAINAGE STRUCTURES, FOR AREAS WITHIN THE RIGHTS-OF-WAYS OF STATE MAINTAINED FACILITIES IN PERPETUITY.
51. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ANY EXISTING UTILITIES NECESSARY FOR SITE CONSTRUCTION INCLUDING ALL PERMITS AND FEES.
52. THE CONTRACTOR SHALL VERIFY BENCH MARK LOCATION AND ELEVATION WITH SURVEYOR BEFORE BEGINNING CONSTRUCTION.
53. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EASEMENTS ON THE SITE BEFORE PROCEEDING WITH CONSTRUCTION.
54. ALL PARKING LOT STRIPING IS TO BE PER SOUTH CAROLINA D.O.T. SPECIFICATIONS AND HAVE TWO COATS OF PAINT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE STRIPING AND SIGNAGE TO MEET ALL REQUIREMENTS. THE BASES OF LIGHT POLES, ALL SPEED BUMPS, ALL BOLLARDS, AND ALL FACES OF SIDEWALK THAT ARE NOT FLUSH WITH ASPHALT ARE TO BE PAINTED TRAFFIC YELLOW.
55. IN THE CASE OF A CONFLICT IN SPECIFICATIONS, NOTES, OR DETAILS, THE STRICTER SHALL GOVERN.

1. DEMOLITION INCLUDES THE REMOVAL AND DISPOSAL OF DEMOLISHED MATERIALS, AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.
2. CONDITIONS EXISTING AT THE TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY THE OWNER IN SO FAR AS PRACTICABLE, HOWEVER, VARIATIONS MAY OCCUR.
3. STORAGE OR SALE OF DEMOLISHED MATERIAL ON THE SITE WILL NOT BE PERMITTED.
4. THE USE OF EXPLOSIVES WILL BE PERMITTED ONLY WHEN AUTHORIZED BY THE CONSTRUCTION PROJECT MANAGER.
5. CONDUCT DEMOLITION OPERATIONS AND THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES OR ADJACENT CONSTRUCTION PROCESSES.
6. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE CONSTRUCTION PROJECT MANAGER AND THE AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
7. ENSURE THE SAFE PASSAGE OF PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT OPERATIONS TO PREVENT INJURY TO ADJACENT BUILDINGS, STRUCTURES, OTHER FACILITIES, AND PERSONS.
8. PROMPTLY REPAIR DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.
9. MAINTAIN EXISTING UTILITIES, INDICATED TO REMAIN, KEEP IN SERVICE, AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL FIELD-CHECK AND VERIFY ALL UTILITIES ON SITE.
10. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING FROM THE CONSTRUCTION PROJECT MANAGER AND THE AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO THE GOVERNING AUTHORITIES. NOTIFY ALL BUSINESSES IMPACTED IN ADVANCE OF ALL SCHEDULED UTILITY INTERRUPTIONS.
11. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
12. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
13. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES BELOW GRADE.
14. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6" IN LOOSE DEPTH. COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF THE FILL MATERIAL TO A DENSITY EQUAL TO THE ORIGINAL ADJACENT GROUND, UNLESS SUBSEQUENT EXCAVATION WORK IS REQUIRED. AFTER FILL PLACEMENT AND COMPACTION, GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE FLOW TO SURFACE DRAINAGE STRUCTURES.
15. REMOVE FROM THE SITE DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS, OR AS DIRECTED BY THE CONSTRUCTION PROJECT MANAGER AND LEGALLY DISPOSE OF DEBRIS "OFF-SITE".
16. ALL PIPING, FENCING AND OTHER MATERIALS THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED OR ABANDONED AS DIRECTED BY THE CONSTRUCTION PROJECT MANAGER.
17. ALL SALVAGEABLE MATERIALS WILL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL REMOVE AND STORE THIS MATERIAL AS DIRECTED BY THE CONSTRUCTION PROJECT MANAGER.
18. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSE OF "OFF SITE" AS REQUIRED. DEBRIS SHALL NOT BE "BURIED" OR LEFT ON SITE EXCEPT AS ALLOWED BY ALL APPLICABLE LAWS AND BY THE GEOLOGICAL ENGINEER.
19. THE CONTRACTOR IS TO MAINTAIN MINIMUM COVER OVER ALL UTILITY LINES THROUGHOUT CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO UTILITY LINES AT NO ADDITIONAL COST TO THE OWNER.
20. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE SITE OR TO THE BUILDING AND IMPROVEMENTS ON THE SITE THAT OCCUR DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
21. THE CONTRACTOR MUST VISIT SITE PRIOR TO SUBMITTING BID AND INCLUDE IN HIS PRICE ALL DEMOLITION AND DISPOSAL COSTS TO REMOVE/RELOCATE ANY AND ALL ITEMS THAT MAY INTERFERE WITH NEW CONSTRUCTION.
22. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND COORDINATE THE DEMOLITION, REMOVAL, RELOCATION, ABANDONMENT, ETC. OF ALL UTILITIES THAT INTERFERE WITH NEW CONSTRUCTION, ANY DEMOLITION AND RELOCATION SHOWN IS SCHEMATIC ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE DESIGN AND CONSTRUCTION OF ALL UTILITY WORK WITH THE APPROPRIATE UTILITIES.
23. DEMOLISH ALL EXISTING UTILITIES THAT LIE UNDER AND 10' OUTSIDE OF NEW BUILDING. THE EXISTING UTILITIES 10' OR MORE OUTSIDE NEW BUILDINGS MAY BE DRAINED AND FILLED WITH FLOWABLE FILL IF TESTING COMPANY APPROVES EXISTING BACKLOG.

DESCRIPTION
THE PURPOSE OF TEMPORARY SEEDING IS TO REDUCE EROSION AND SEDIMENTATION BY STABILIZING DISTURBED AREAS THAT WOULD OTHERWISE LAY BARE FOR LONG PERIODS OF TIME BEFORE THEY ARE WORKED OR STABILIZED. TEMPORARY SEEDING IS ALSO USED WHERE PERMANENT VEGETATION GROWTH IS NOT NECESSARY OR APPROPRIATE.

TEMPORARY SEEDING IS USED ON EXPOSED SOIL SURFACES SUCH AS DENUDED AREAS, SOIL STOCKPILES, DICES, DAMS, BANKS OF SEDIMENT BASINS, BANKS OF SEDIMENT TRAPS, AND TEMPORARY ROCK DAMS. TEMPORARY SEEDING PREVENTS AND LIMITS POSSIBLE MAINTENANCE OPERATIONS ON OTHER SEDIMENT CONTROL STRUCTURES. SEDIMENT CLEANOUT REQUIREMENTS FOR SEDIMENT BASINS, SEDIMENT TRAPS, AND SILT FENCE IS REDUCED IF THE DRAINAGE AREA IS SEEDING WHEN GRABING AND CONSTRUCTION OPERATION ARE NOT TAKING PLACE.

TEMPORARY STABILIZATION IS REQUIRED WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IS COMPLETE. UNLESS CONSTRUCTION ACTIVITY IS GOING TO RESUME WITHIN 21 DAYS, COVER SEEDING AREAS WITH AN APPROPRIATE MULCH TO PROVIDE PROTECTION FROM THE WEATHER. WHEN THE TEMPORARY VEGETATION IS ESTABLISHED, THE MULCH CAN BE REMOVED. COVERING AREAS WITH MULCH HELPS TO PREVENT EROSION AND MAINTAINS SOIL MOISTURE. MULCH CAN BE SEEDING AREA. COVERED AREA IS NOT ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS. WATER SEEDING AREA AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF. RUNOFF OF IRREVERSIBLE WATER WASTES WATER AND CAN CAUSE EROSION.

SEED SELECTION IS BASED ON GEOGRAPHICAL LOCATION, SOIL TYPE AND THE SEASON OF THE YEAR IN WHICH THE PLANTING IS TO BE DONE. USE THE TABLES IN APPENDIX C AS A GUIDE FOR CONVENTIONAL TILLAGE METHODS (PLOWING, SEEDBED PREPARATION, HYDROSEEDING, ETC). IF A FAST GROWING CROP TO NURSE THE PERMANENT SPECIE OR SPECIES IS REQUIRED, THEN USE THE MIX RATE. FAILURE TO CAREFULLY FOLLOW AGRONOMIC RECOMMENDATIONS RESULTS IN AN INADEQUATE STAND OF TEMPORARY VEGETATION THAT PROVIDES LITTLE OR NO EROSION CONTROL.

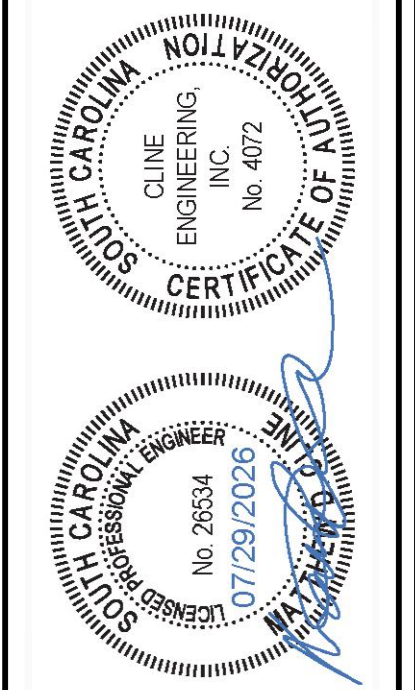
- **TILLAGE:** IF THE AREA HAS BEEN RECENTLY PLOWED, NO TILLAGE IS REQUIRED OTHER THAN RAKING OR SURFACE ROUGHENING TO BREAK ANY CRUST THAT HAS FORMED LEAVING A TEXTURED SURFACE. DISK THE SOIL FOR OPTIMAL GERMINATION WHEN THE SOIL IS COMPACTED LESS THAN 6-INCHES.
- **SOIL TESTING:** SOIL TESTING IS AVAILABLE THROUGH CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE.

- INSPECTION AND MAINTENANCE**
- INSPECT EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/4-INCHES OR MORE OF PRECIPITATION.
 - COVER SEEDS WITH MULCH TO PROVIDE PROTECTION. FREQUENT INSPECTIONS ARE NECESSARY TO CHECK THAT CONDITIONS FOR GROWTH ARE GOOD.
 - SUPPLY TEMPORARY SEEDING WITH ADEQUATE MOISTURE. SUFFICIENT WATER AS NEEDED, ESPECIALLY IN ABNORMALLY HOT OR DRY WEATHER OR ON ADVERSE SITES. CONTROL WATER APPLICATION RATES TO PREVENT RUNOFF.
 - BASE SEED SELECTION ON LOCAL SPECIFICATIONS.
 - RE-SEED AREAS WHERE THE PLANTS DO NOT GROW QUICK ENOUGH, THICK ENOUGH, OR ADEQUATELY ENOUGH TO PREVENT EROSION SHOULD BE RE-SEED.

SPECIES	RATES PER ACRE	PLANTING DATES
SANDY, DROUGHTY SITES		
BROWNTOP MILLET	40 LBS.	MAR. 10 - SEPT. 1
RYE, GRAIN	50 LBS.	SEPT. 1 - MAR. 15
RYEGRASS	50 LBS.	SEPT. 1 - APR. 15
WELL DRAINED, CLAYEY/LOAMEY SITES		
BROWNTOP MILLET OR JAPANESE MILLET	40 LBS.	MAR. 15 - SEPT. 1
RYE, GRAIN OR OATS	50 LBS. 75 LBS.	SEPT. 1 - MAR. 15
RYEGRASS	50 LBS.	SEPT. 1 - APR. 15

SPECIES	RATES PER ACRE	PLANTING DATES
SANDY, DROUGHTY SITES		
BROWNTOP MILLET BAHAGRASS	10 LBS. 40 LBS.	MAR. 10 - SEPT. 1
BROWNTOP MILLET BAHAGRASS	10 LBS. 30 LBS.	MAR. 10 - SEPT. 1
SERICAESA LESPEDEZA	40 LBS.	
BROWNTOP MILLET ATLANTIC COASTAL PANICGRASS	10 LBS. 15 LBS. PLS	MAR. 10 - JUN. 25
BROWNTOP MILLET SWITCHGRASS (ALAMO) LITTLE BLUESTEM ERICAESA LESPEDEZA	10 LBS. 8 LBS. PLS 4 LBS. 20 LBS.	MAR. 10 - JUN. 25
BROWNTOP MILLET WEEPING LOVEGRASS	10 LBS. 8 LBS.	MAR. 10 - JUN. 25
WELL DRAINED, CLAYEY/LOAMEY SITES		
BROWNTOP MILLET BAHAGRASS	10 LBS. 40 LBS.	MAR. 15 - SEPT. 1
RYE, GRAIN BAHAGRASS CLOVER, CRIMSON (ANNUAL)	10 LBS. 40 LBS. 5 LBS.	SEPT. 1 - NOV. 10
BROWNTOP MILLET BAHAGRASS ERICAESA LESPEDEZA	10 LBS. 30 LBS. 40 LBS.	MAR. 15 - SEPT. 1
BROWNTOP MILLET BERMUDA, COMMON ERICAESA LESPEDEZA	10 LBS. 10 LBS. 40 LBS.	MAR. 15 - SEPT. 1
BROWNTOP MILLET BERMUDA, COMMON KOBES LESPEDEZA (ANNUAL)	10 LBS. 12 LBS. 10 LBS.	MAR. 15 - SEPT. 1
BROWNTOP MILLET BAHAGRASS BERMUDA, COMMON ERICAESA LESPEDEZA	10 LBS. 20 LBS. 6 LBS. 40 LBS.	MAR. 15 - SEPT. 1
BROWNTOP MILLET SWITCHGRASS LITTLE BLUESTEM INDIANGRASS	10 LBS. 8 LBS. PLS 3 LBS. PLS 3 LBS. PLS	MAR. 15 - SEPT. 1

SPECIES	RATES PER ACRE	PLANTING DATES
SANDY, DROUGHTY SITES		
BROWNTOP MILLET	40 LBS.	MAR. 10 - SEPT. 1
RYE, GRAIN	50 LBS.	SEPT. 1 - MAR. 15
RYEGRASS	50 LBS.	SEPT. 1 - APR. 15
WELL DRAINED, CLAYEY/LOAMEY SITES		
BROWNTOP MILLET OR JAPANESE MILLET	40 LBS.	MAR. 15 - SEPT. 1
RYE, GRAIN OR OATS	50 LBS. 75 LBS.	SEPT. 1 - MAR. 15
RYEGRASS	50 LBS.	SEPT. 1 - APR. 15

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CLINE
ENGINEERING
PROFESSIONAL DESIGN CONSULTING

IOP MASTER PLAN

GENERAL NOTES

50 41ST AVENUE
VILLAGE OF PALMS, SOUTH CAROLINA

PROJECT MANAGER	MDC
DRAWN BY	A.J.V.R
PROJECT DATE	AUGUST 2022
JOB NUMBER	22047

SHEET NUMBER

G-2

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WATER LINES

- ALL WATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS. ALL MATERIALS AND PRODUCTS THAT CONTACT POTABLE WATER MUST BE THIRD PARTY CERTIFIED AS MEETING THE SPECIFICATIONS OF ANSISUP STANDARD 61. ALL PIPING MATERIALS AND INSTALLATION SHALL MEET THE APPROVAL OF THE LOCAL AUTHORITY AND THE STATE HEALTH AUTHORITY.
- ALL DUCTILE IRON PIPE (DIP) SHALL BE PRESSURE CLASS "350" CONFORMING TO AWWA C151. ALL FITTINGS SHALL BE EITHER MECHANICAL OR PUSH-ON JOINT AND SHALL COMPLY WITH AWWA C110. ALL POLY-VINYL CHLORIDE WATER LINES 4" AND SMALLER SHALL BE CLASS 200 -SDR21 CONFORMING TO ASTM D-2241 AND ASTM D-1784. WATER LINES 6" AND LARGER SHALL BE 20S, DR18, JM EAGLE OR APPROVED EQUAL, CONFORMING TO AWWA C-900 AND N.S.I. APPROVED. A DETECTABLE TAPE WITH THE WORDS "CAUTION, WATERLINE BURIED BELOW" SHALL BE INSTALLED 6" TO 12" ABOVE THE PIPE.
- SEAMLESS COPPER TUBING, 3" AND SMALLER SHALL BE TYPE "K" ROLL FORM TO COMPLY WITH ASTM B-88, LATEST REVISION AND SHALL BE INSTALLED WITH WROUGHT COPPER (95-5 TIN ANTIMONY SOLDER JOINT) FITTINGS IN ACCORDANCE WITH ASTM B16.22.
- ALL WATER LINES SHALL BE PRESSURE TESTED TO 1.5 TIMES THE MAXIMUM WORKING PRESSURE, 150 PSIG (MINIMUM), CLEANED, STERILIZED, AND FLUSHED UNTIL TWO SUCCESSIVE SATISFACTORY WATER BACTERIOLOGICAL SAMPLES TAKEN AT LEAST 24 HOURS APART ARE OBTAINED. THE SAMPLES SHALL BE ANALYZED BY A STATE APPROVED LABORATORY. THE RESULTS SHALL INCLUDE BOTH COLIFORM AND NON-COLIFORM GROWTH. ALL BACKFLOW PREVENTION DEVICES SHALL BE INSPECTED AND CERTIFIED BY A LICENSED INSPECTOR.
- ALL FIRE HYDRANTS SHALL COMPLY WITH AWWA C502 AND MEET THE APPROVAL OF THE LOCAL WATER AUTHORITY.
- ALL GATE VALVES SHALL COMPLY WITH AWWA C500, 175 PSI WORKING PRESSURE AND MEET THE APPROVAL OF THE LOCAL WATER AUTHORITY.
- A MINIMUM OF A DOUBLE CHECK VALVE (BACKFLOW PREVENTOR) ASSEMBLY SHALL BE INSTALLED ON ALL LINES DEDICATED FOR FIRE LINE SPRINKLER SYSTEMS IN A MANNER ACCEPTABLE TO THE LOCAL AUTHORITY. A BACKFLOW PREVENTION DEVICE MEETING STATE AND LOCAL REQUIREMENTS SHALL BE INSTALLED ON ALL DOMESTIC WATER LINES.
- ALL PIPE MATERIAL, SOLDER AND FLUX SHALL BE LEAD FREE (LESS THAN 0.2% LEAD IN SOLDER AND FLUX AND LESS THAN 8.0% LEAD IN PIPES AND FITTINGS). LUBRICANTS WHICH WILL SUPPORT MICROBIOLOGICAL GROWTH SHALL NOT BE USED FOR SLIP ON JOINTS. VEGETABLE SHORTENING SHALL NOT BE USED TO LUBRICATE JOINTS. NATURAL RUBBER OR OTHER MATERIAL WHICH WILL SUPPORT MICROBIOLOGICAL GROWTH MAY NOT BE USED FOR ANY GASKETS, O-RINGS, AND OTHER PRODUCTS USED FOR JOINTING PIPES, SETTING METERS OR VALVES, OR OTHER APPURTENANCES WHICH WILL EXPOSE THE MATERIAL TO THE WATER.
- ALL WATER LINES SHALL BE INSPECTED BY THE UTILITY COMPANY AND THE ENGINEER AND CERTIFIED TO THE STATE HEALTH AUTHORITY BEFORE ACCEPTANCE AND A PERMIT TO OPERATE WILL BE ISSUED AS REQUIRED.
- ALL WATER LINE SHALL HAVE A MINIMUM 3'-0" COVER.
- WATER LINE SHALL BE INSTALLED AFTER SANITARY SEWER LINES ARE COMPLETE WHERE THEY CROSS. CONTRACTOR SHALL MAINTAIN A 10' HORIZONTAL AND 2' VERTICAL CLEARANCE OF WATER AND SEWER LINES. ALL WATER LINES SHALL CROSS ABOVE SEWER LINES.
- CONTRACTOR SHALL INCLUDE COST OF METER AND TAP FEES IN PROPOSAL. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EXCAVATION, COORDINATION AND SCHEDULING OF TAPS. THE CONTRACTOR WILL INSTALL WATER METER AND BOX AS FURNISHED BY THE LOCAL AUTHORITY AND INSTALL SERVICES LINES TO WITHIN 5' OF BUILDING AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR WILL FOLLOW PROCEDURES AS DIRECTED TO FLUSH, STERILIZE AND FURNISH WATER SAMPLES FOR TESTING AS PER AWWA 651 UNTIL APPROVAL IS GRANTED BY THE STATE HEALTH AUTHORITY AND THE LOCAL WATER SYSTEM. A PERMIT TO OPERATE WILL NOT BE ISSUED UNTIL THE COMPLETED WATER SYSTEM MEETS ALL REQUIRED STATE AND LOCAL APPROVALS. THE CONTRACTOR IS RESPONSIBLE TO FURNISH THE OWNER WITH A COMPLETED AND APPROVED WATER SYSTEM ALONG WITH A SET OF APPROVED AS-BUILT DRAWINGS IN A FORMAT ACCEPTABLE TO THE LOCAL UTILITY AUTHORITY.
- THE CONTRACTOR SHALL NOT PERFORM ANY WORK UNTIL HE HAS OBTAINED COPIES OF ALL NECESSARY ENCROACHMENT AND CONSTRUCTION PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL WATER AUTHORITY AND DETERMINING THE REQUIREMENTS AND PROCEDURES FOR OBTAINING THE AUTHORITY'S APPROVAL OF THE WATER SYSTEM PRIOR TO SUBMITTING A PRICE TO THE OWNER. THE DETAILS AND SPECIFICATIONS OF THE LOCAL WATER AUTHORITY SHALL GOVERN.

SANITARY SEWER LINES

- ALL CONSTRUCTION SHALL BE PER THE LOCAL SEWER UTILITY'S REQUIREMENTS AND SPECIFICATIONS.
- THE PLUMBER IS RESPONSIBLE FOR SETTING INVERT ELEVATIONS, PIPE SLOPES, ETC MEETING ALL LOCAL AND STATE CODES.
- EACH JOINT SHALL BE CLEARLY AND LEGIBLY MARKED WITH THE MANUFACTURER'S NAME OR IDENTIFYING SYMBOL, WITH THE LETTERS E.S. APPEARING ON THE EXTERIOR OF THE PIPE NEAR THE JOINT.
- A MINIMUM OF 3 FEET OF COVER SHALL BE MAINTAINED OVER ALL PVC PIPE LINES.
- WATER LINES SHALL BE INSTALLED AFTER ALL GRAVITY SEWER LINES ARE INSTALLED.
- THIS CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE COMMENCING WORK. CONTACT WATER, TELEPHONE, POWER AND GAS COMPANY BEFORE EXCAVATION IS BEGUN.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEY WORK NECESSARY TO STAKE SEWER LINES. THE CENTERLINE AND ALL CLEANOUT LOCATIONS SHALL BE STAKED IN THE FIELD. THE OWNER'S SURVEYOR WILL SET ALL LOT CORNERS. THE CONTRACTOR SHALL PROTECT ALL PROPERTY MARKERS.
- ALL UTILITY TRENCHES SHALL BE THOROUGHLY COMPACTED TO PREVENT SETTLEMENT AND DAMAGE TO FUTURE PAVEMENT AND STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO EXISTING ROADS USED BY HIS OPERATION. THE CONTRACTOR SHALL REMOVE MUD AND DEBRIS FROM HIGHWAY AND NOT ALLOW DUST TO BECOME A NUISANCE OR SAFETY HAZARD.
- ALL SANITARY SEWER WORK SHALL BE CONSTRUCTED TO LINES AND GRADES SHOWN AS DETAILD ON THE DRAWING. THE CONTRACTOR SHALL PROVIDE STANDARD MANHOLES OR CLEAN-OUTS AT ALL BENDS AND CHANGES IN GRADE IN SEWER LINES AND CONNECTIONS TO EXISTING SEWER LINES. PIPE BEDDING AND BACKFILL SHALL BE CAREFULLY CONTROLLED. ALL SANITARY SEWER WORK SHALL COMPLY WITH LOCAL CODES AN ORDINANCES. THE ENGINEER, THE LOCAL AUTHORITY AND THE STATE HEALTH AUTHORITY MUST INSPECT ALL SEWER WORK AS REQUIRED BEFORE BEING PUT IN SERVICE.
- ALL WORK SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND INSTRUCTIONS GIVEN BY THE OWNER'S REPRESENTATIVE, THE STATE HEALTH AUTHORITY AND THE LOCAL GOVERNING AUTHORITY.
- ALL SEWER LINES IN RELATION TO WATER LINES MUST CONFORM TO "TEN STATES STANDARDS", SECTION 38.3, 1990 EDITION, AT A MINIMUM. MAINTAIN A MINIMUM OF 10' HORIZONTAL AND 2' VERTICAL SEPARATION BETWEEN THE WATER AND SANITARY SEWER LINES. WATER LINES SHALL CROSS OVER SANITARY SEWER LINES.
- CONTRACTOR TO ASSUME CLASS "B" BEDDING FOR SDR-26 PVC IN HIS BID PROPOSAL. CLASS "A" BEDDING WILL BE PAID FOR AS AN "EXTRA" SHOULD FIELD CONDITIONS REQUIRE THIS BEDDING.
- COUPLINGS SHALL BE EASTERN STANDARD SEWER REPAIR COUPLINGS AS MANUFACTURED BY MISSION RUBBER COMPANY, INC. CATALOG NO. 048-307 (8640) 0410-704 (8636), OR 0412-6250 (2636), OR AS MANUFACTURED BY FERROJO JOINT SEALER CO., FERNDALE, MICHIGAN, OR APPROVED EQUAL.
- SANITARY SEWER SERVICES SHALL BE INSTALLED PER DETAILS. LOCATION OF SERVICE LINES SHALL BE MEASURED FROM MANHOLES AND FURNISHED WITH "AS-BUILT" DRAWINGS TO THE ENGINEER. EACH BUILDING SHALL HAVE (1) 6" OR 4" SERVICE LINE, AS SPECIFIED FOR ON THE DRAWINGS, BROUGHT TO WITHIN 5' OF THE BUILDING. SERVICE LINES SHALL BE INSTALLED AS REQUIRED ON PLANS. MINIMUM SLOPE AND CLEANOUT SPACING SHALL 1.04% FOR 6" AND 2.08% FOR 4" SIZES.
- ALL WATER AND SEWER LINE BACKFILL SHALL BE COMPACTED TO 95% STD. PROCTOR BY CONTRACTOR. THE OWNER SHALL TEST COMPACTION.
- THE OWNER SHALL PAY ALL SEWER TAP FEES TO THE LOCAL GOVERNING AUTHORITY. THE CONTRACTOR SHALL COORDINATE WITH LOCAL AUTHORITY ON SEWER TAPS.
- THIS CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY REGULATIONS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS MEANS AND METHODS OF CONSTRUCTION.
- POLYVINYL CHLORIDE (PVC) 8" AND LARGER SHALL CONFORM TO ASTM D-3034, SDR-26, INSTALLED IN ACCORDANCE WITH ASTM D-2321. ELASTOMERIC JOINTS SHALL COMPLY WITH ASTM D-3212. SDR-26 SHALL BE INSTALLED IN CLASS "B" BEDDING AS DETAILED ON THE DRAWINGS. PVC SEWER 6" AND SMALLER SHALL CONFORM TO SCHEDULE 40.
- DUCTILE IRON SHALL BE PRESSURE CLASS "350" CONFORMING TO AWWA C151, FURNISHED AND INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS. JOINTS IN DIP AT THE CREEK CROSSING SHALL BE RESTRAINED FROM MOVEMENT (LOK-TIGHT OR APPROVED EQUAL).
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LOCAL SEWER AUTHORITY AND DETERMINING THE REQUIREMENTS AND PROCEDURES FOR OBTAINING THE AUTHORITY'S APPROVAL OF THE SEWER SYSTEM PRIOR TO SUBMITTING A PRICE TO THE OWNER. THE DETAILS AND SPECIFICATIONS OF THE LOCAL SEWER AUTHORITY SHALL GOVERN.
- MANHOLE FRAME AND COVER SHALL BE MF-11 AND MC-18 RESPECTIVELY AS MANUFACTURED BY SUMTER MACHINERY COMPANY OR SEWER AUTHORITY APPROVED EQUAL. FRAME SHALL WEIGH 208 POUNDS AND COVER SHALL WEIGH 120 POUNDS. ALL SURFACES OF FRAME AND COVER SHALL BE BITUMINOUS COATED.
- STEPS SHALL BE COPOLYMER POLYPROPYLENE PLASTIC, REINFORCED WITH 1/2" GRADE 80 REINFORCEMENT OR SEWER DISTRICT APPROVED (IF ALLOWED BY LOCAL AUTHORITY).
- ALL SANITARY SEWER LINES SHALL BE AIR TESTED AND MUST CONFORM TO ASTM C828, LATEST REVISION.
- ALL FLEXIBLE AND SEMI-RIGID PIPE SHALL BE TESTED BY PULLING A MANHOLE, GOING GO, DEVICE BY HAND NO EARLIER THAN 30 DAYS AFTER THE TRENCHING HAS BEEN COMPLETELY BACKFILLED. THE MAXIMUM ALLOWABLE DEFLECTION SHALL NOT EXCEED 5 PERCENT OF NOMINAL INSIDE DIAMETER.
- CONTRACTOR SHALL NOT THE NEW SEWER LINE TO EXISTING MANHOLE UNTIL ALL CONSTRUCTION IS APPROVED, TESTED AND ACCEPTED BY THE LOCAL GOVERNING AUTHORITY.
- A PRE-CONSTRUCTION CONFERENCE WITH THE CONTRACTOR, SEWER AUTHORITY, STATE HEALTH AUTHORITY, AND THE ENGINEER WILL BE HELD PRIOR TO SEWER LINE CONSTRUCTION. CONTRACTOR SHALL SET UP PRE-CONSTRUCTION CONFERENCE WITH CITY.
- THE CONTRACTOR SHALL GRASS ALL RIGHT-OF-WAY IN ACCORDANCE WITH SPECIFICATIONS FOR GRASSING.
- ALL SEWER LINE WORK SHALL BE "APPROVED" BY THE STATE HEALTH AND LOCAL AUTHORITY, AND "APPROVED" AS-BUILT DRAWINGS SHALL BE FURNISH TO THE OWNER BEFORE CONTRACTOR RECEIVES FINAL PAYMENT.
- THE CONTRACTOR SHALL NOT PERFORM ANY WORK UNTIL HE HAS OBTAINED COPIES OF ALL NECESSARY ENCROACHMENT AND CONSTRUCTION PERMITS.

SCDES

- IF NECESSARY, SLOPES, WHICH EXCEED 8" (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE GRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- 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, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- 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 CONSTRUCTION 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.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR10000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- 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.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-URBAN PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

MISCELLANEOUS

- ALL RIP RAP FOR CHECK DAMS, EMERGENCY SPILLWAYS, AND OUTLET STABILIZATION PROTECTION TO BE UNDERLAIN WITH FILTER FABRIC. ALL RIP-RAP SHALL BE DUMPED RIP-RAP IN ACCORDANCE WITH THE SOUTH CAROLINA STATE-HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION. PIECES SHALL BE NO LARGER THAN 24 INCHES.
- ASPHALT DESIGN SHALL BE DONE BY GEOTECHNICAL ENGINEER. CONTRACTOR TO COORDINATE WITH OWNER FOR ASPHALT SPECIFICATION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS HIS REQUIRED FOR BORROW AREA (IF NEEDED).
- ALL EROSION CONTROL FOR STOCKPILING OF DIRT SHALL COMPLY WITH SCDES STANDARDS.
- SEDIMENT MUST BE REMOVED FROM SEDIMENT CONTROL DIKE WHEN SEDIMENT REACHES 50% OF THE SEDIMENT STORAGE VOLUME OR THE TOP OF THE CLEAN-OUT STAKE, WHICHEVER IS LESS.
- ALL SLOPES DRAINING OFF-SITE, (NOT THROUGH POND) TO BE GRASSED AND STABILIZED WITH EROSION CONTROL BLANKETS.

ABBREVIATIONS

±	MORE OR LESS
Ø	DIAMETER
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS
Ac	ACRE
ADA	AMERICANS WITH DISABILITY ACT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BM	BENCHMARK
BMP	EROSION CONTROL BEST MANAGEMENT PRACTICES
BOW	BOTTOM OF WALL
C&G	CURB AND GUTTER
CB	CATCH BASIN
CIP	CAST IN PLACE
CL	CENTERLINE
CY	CUBIC YARD
DBH	DIAMETER BREST HEIGHT
DES	DEPARTMENT OF ENVIRONMENTAL SERVICES
DIP	DUCTILE IRON PIPE
E	EAST
E.G.	EXAMPLE GIVEN
EL	ELEVATION
ETC	ETCETERA
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FWHA	FEDERAL HIGHWAY ADMINISTRATION
FIRM	FLOOD INSURANCE RATE MAP
FPE	FINISHED PAD ELEVATION
FT	FEET (LENGTH)
H	HORIZONTAL
HDPE	HIGH-DENSITY POLYETHYLENE
HP	HIGH POINT
IBC	INTERNATIONAL BUILDING CODE
IE	INVERT ELEVATION
INV	INVERT
LBS	POUNDS
LF	LINEAR FEET (LENGTH)
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MPCE	MATCH PRE-CONSTRUCTION ELEVATION
MS4s	STORMWATER DISCHARGE FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NE	NORTHEAST
NO.	NUMBER
NSF	NATIONAL SANITATION FOUNDATION
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PC	PRECAST
PVC	POLYVINYLCHLORIDE
R	RADIUS
RCW	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
PSF	POUNDS PER SQUARE FOOT (PRESSURE)
PSI	POUNDS PER SQUARE INCH (PRESSURE)
PSIG	POUNDS PER SQUARE INCH GAUGE
S	SOUTH
SCDES	SOUTH CAROLINA DEPARTMENT OF ENVIRONMENTAL SERVICES
SCDOT	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
SE	SOUTHEAST
SF	SQUARE FEET
STA	STATION
STD.	STANDARD
SW	SOUTHWEST
TC	TOP OF CURB
TP	TOP OF PAVEMENT
TOW	TOP OF WALL
TYP	TYPICAL
V	VERTICAL
VCP	VITRIFIED CLAY PIPE
W	WEST
WWF	WELDED WIRE FABRIC

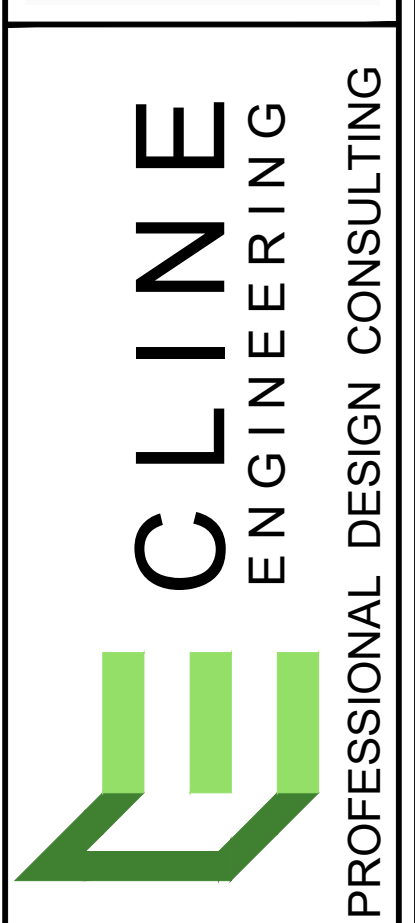
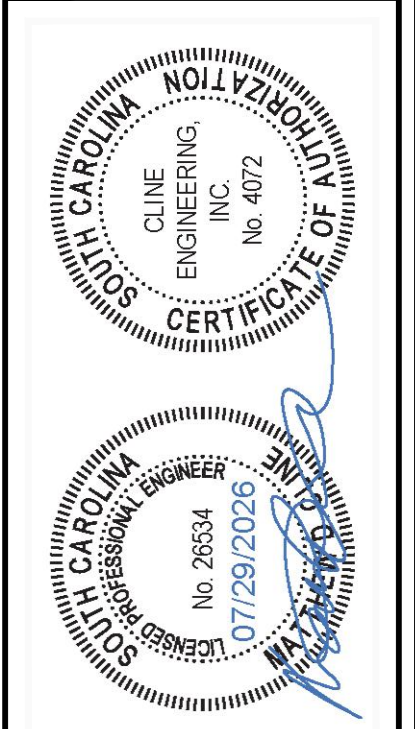
THERE MAY BE ADDITIONAL ABBREVIATIONS USED IN THESE PLANS. PLEASE CONTACT ENGINEER IF ANY ABBREVIATION IS UNDEFINED OR UNCLEAR.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BENCHMARK
		INLET PROTECTION TYPE A
		INLET PROTECTION TYPE F
		INLET PROTECTION TYPE E
		SILT/SACK INLET PROTECTION
		GUTTER EEL INLET PROTECTION
		ROCK CHECK DAM
		ROCK SEDIMENT DIKE
		ROCK OUTLET STABILIZATION
		CONCRETE WASHOUT
		STORM DRAINAGE - MISCELLANEOUS
		STORM DRAINAGE - CATCH BASIN TYPE 16
		STORM DRAINAGE - CATCH BASIN TYPE 9
		STORM DRAINAGE - CURB INLET TYPE 1
		STORM DRAINAGE - DROP INLET
		STORM DRAINAGE - JUNCTION BOX
		SANITARY SEWER MANHOLE
		SEWER CLEANOUT
		FIRE HYDRANT
		WATER METER
		WATER VALVE
		REDUCER
		LIGHT POLE
		IRON PIN
		SIGN
		UTILITY POLE
		ELECTRICAL BOX
		ELECTRICAL MANHOLE
		CABLE BOX
		TELEPHONE BOX
		TELEPHONE MANHOLE
		PARKING COUNT
		PARKING ISLAND
		FIRE DEPARTMENT CONNECTION
		POST INDICATOR VALVE
		TREE
		TREE - TO BE RELOCATED
		TREE - TO BE REMOVED
		LIMITS OF DISTURBANCE
		PROPERTY BOUNDARY
		ADJACENT/INTERNAL PROPERTY LINES
		BUFFER
		EASEMENT
		SETBACK
		WETLANDS
		CENTERLINE
		TURBIDITY BARRIER
		DIVERSION BERM
		DIVERSION DITCH
		GAS
		HOSE PULL
		OVERHEAD CABLE
		OVERHEAD ELECTRIC
		OVERHEAD TELEPHONE
		PERMANENT DIVERSION DITCH
		ROOF DRAIN
		REINFORCED SILT FENCE
		STORM DRAINAGE
		SANITARY SEWER
		SILT FENCE
		SUBSURFACE DRAIN
		TREE PROTECTION BARRICADE
		TEMPORARY DIVERSION DITCH
		TREE PROTECTION
		UNDERGROUND COMMUNICATION
		UNDERGROUND ELECTRIC
		WATER
		FIRE SERVICE
		FENCE
		WETLANDS
		UTILITY LINE, PIPE, OR CURB TO BE DEMOLISHED
		ENTITY TO BE DEMOLISHED
		ASPHALT PAVEMENT (LIGHT DUTY)
		ASPHALT PAVEMENT (HEAVY DUTY)
		CONCRETE PAVEMENT
		BRICK PAVEMENT OR HARDSCAPE
		GRAVEL PAVEMENT

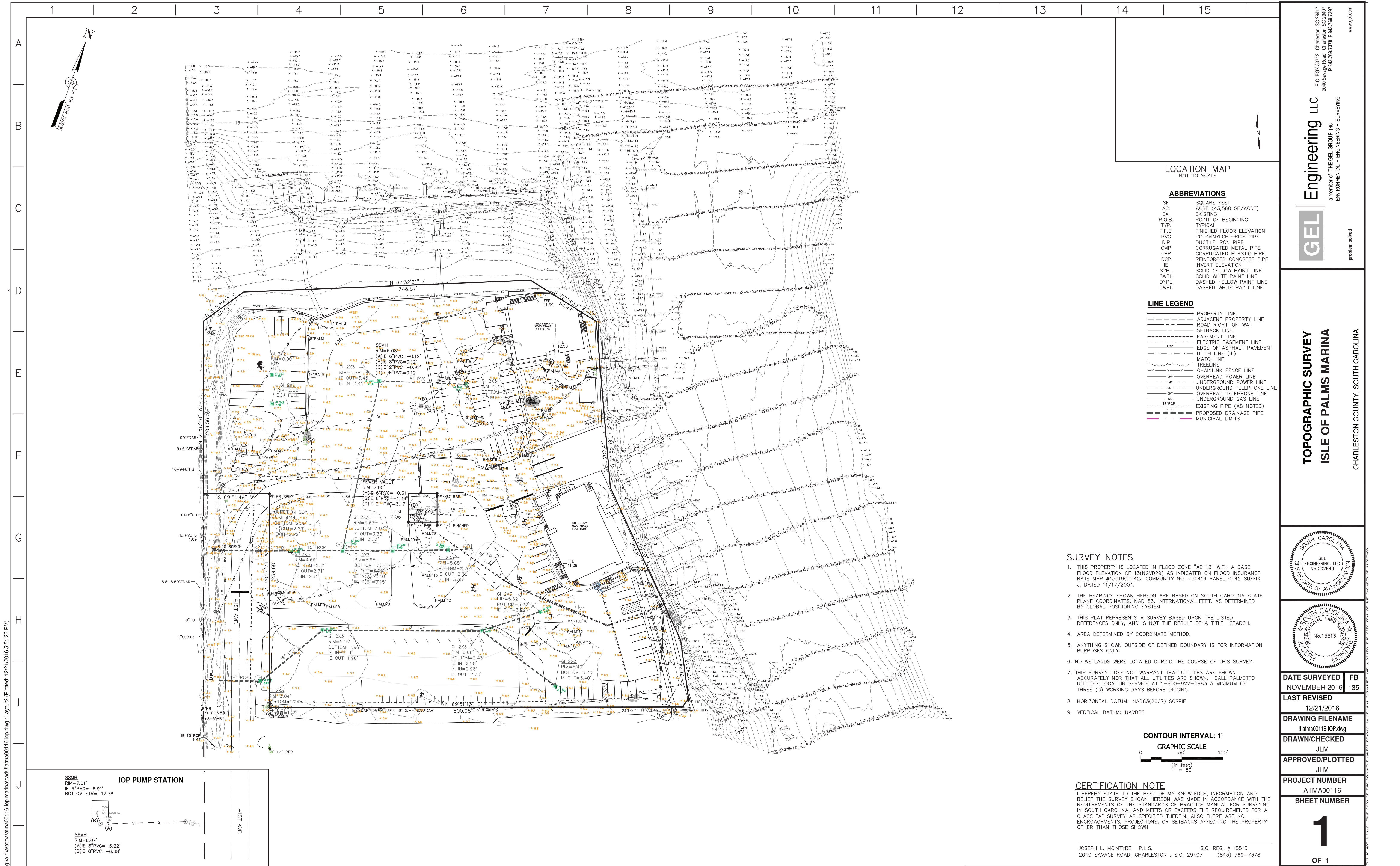
THERE MAY BE ADDITIONAL SYMBOLS USED IN THESE PLANS. PLEASE CONTACT ENGINEER IF ANY SYMBOL IS UNDEFINED OR UNCLEAR.

MDC	ISSUED FOR REVIEW AND APPROVAL	DATE	REV	DESCRIPTION	DRAWN	APPR.
A	07/29/2026					



IOP MASTER PLAN

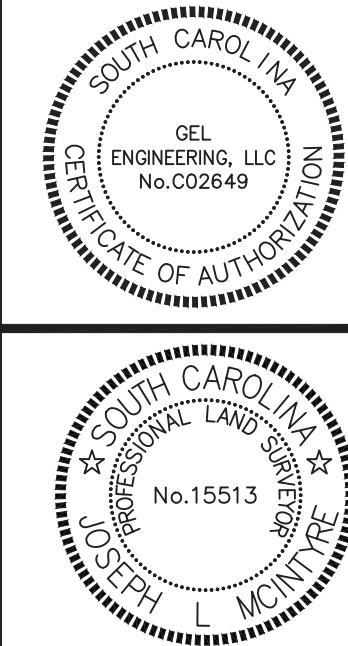
GENERAL NOTES	5041ST AVENUE ISLE OF PALMS, SOUTH CAROLINA
PROJECT MANAGER	MDC
DRAWN BY	ASJR
PROJECT DATE	AUGUST 2025
CON NUMBER	25067
SHEET NUMBER	
G-3	



Engineering LLC
a member of THE GEL GROUP INC
ENVIRONMENTAL • ENGINEERING • SURVEYING

TOPOGRAPHIC SURVEY
ISLE OF PALMS MARINA

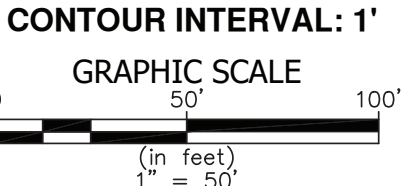
CHARLESTON COUNTY, SOUTH CAROLINA



DATE SURVEYED	FB
NOVEMBER 2016	135
LAST REVISED	12/21/2016
DRAWING FILENAME	!!atma00116-IOP.dwg
DRAWN/CHECKED	JLM
APPROVED/PLOTTED	JLM
PROJECT NUMBER	ATMA00116
SHEET NUMBER	1

OF 1

- SURVEY NOTES**
- THIS PROPERTY IS LOCATED IN FLOOD ZONE "AE 13" WITH A BASE FLOOD ELEVATION OF 13.1 (NGVD29) AS INDICATED ON FLOOD INSURANCE RATE MAP #4501000542J COMMUNITY NO. 455416 PANEL 0542 SUFFIX J, DATED 11/17/2004.
 - THE BEARINGS SHOWN HEREON ARE BASED ON SOUTH CAROLINA STATE PLANE COORDINATES, NAD 83, INTERNATIONAL FEET, AS DETERMINED BY GLOBAL POSITIONING SYSTEM.
 - THIS PLAT REPRESENTS A SURVEY BASED UPON THE LISTED REFERENCES ONLY, AND IS NOT THE RESULT OF A TITLE SEARCH.
 - AREA DETERMINED BY COORDINATE METHOD.
 - ANYTHING SHOWN OUTSIDE OF DEFINED BOUNDARY IS FOR INFORMATION PURPOSES ONLY.
 - NO WETLANDS WERE LOCATED DURING THE COURSE OF THIS SURVEY.
 - THIS SURVEY DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. CALL PALMETTO UTILITIES LOCATION SERVICE AT 1-800-922-0983 A MINIMUM OF THREE (3) WORKING DAYS BEFORE DIGGING.
 - HORIZONTAL DATUM: NAD83(2011) SCSP1F
 - VERTICAL DATUM: NAVD88



CERTIFICATION NOTE

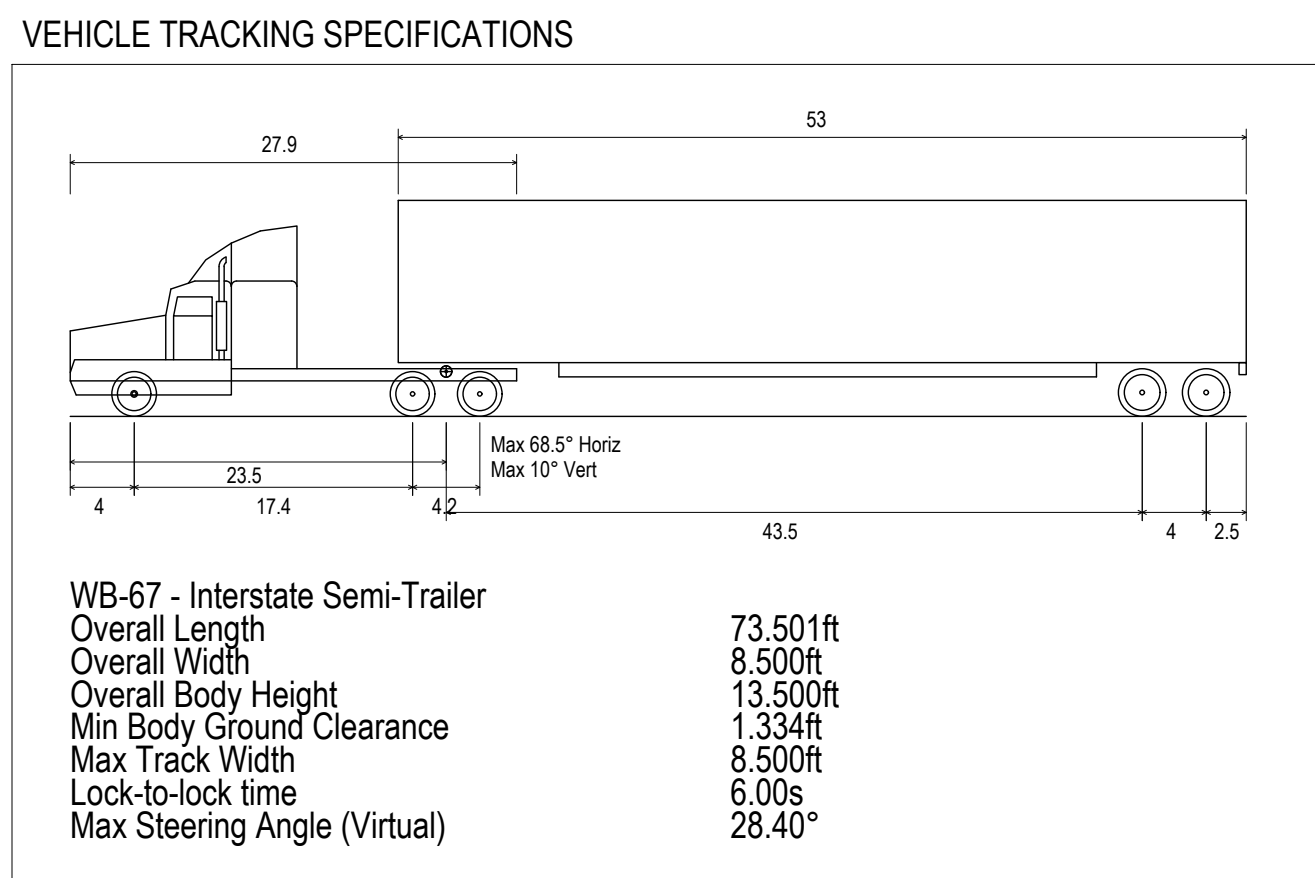
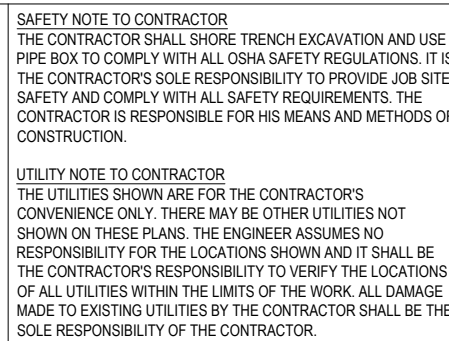
I HEREBY STATE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO ENCROACHMENTS, PROJECTIONS, OR SETBACKS AFFECTING THE PROPERTY OTHER THAN THOSE SHOWN.

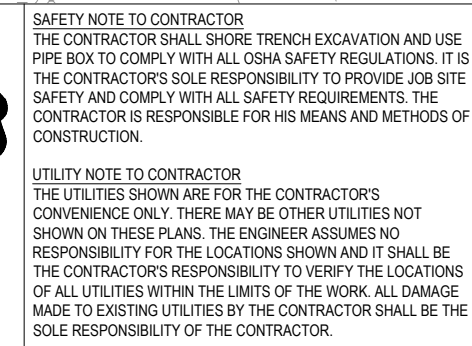
JOSEPH L. MCINTYRE, P.L.S. S.C. REG. # 15513
2040 SAVAGE ROAD, CHARLESTON, S.C. 29407 (843) 769-7378

SITE CONDITIONS

SHEET NUMBER

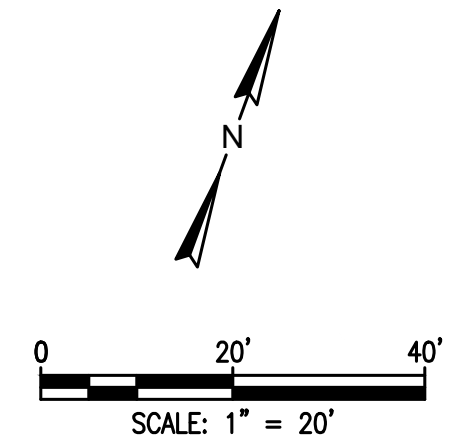
V-1





SAFETY NOTE TO CONTRACTOR
THE CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY REGULATIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS MEANS AND METHODS OF CONSTRUCTION.

UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



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PROJECT MANAGER	MDC
DRAWN BY	AJJR
PROJECT DATE	AUGUST 2022
JOB NUMBER	22047

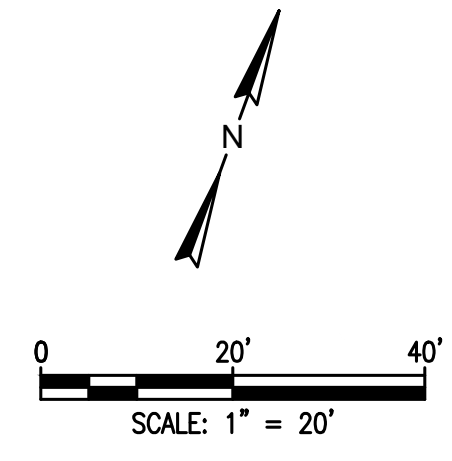
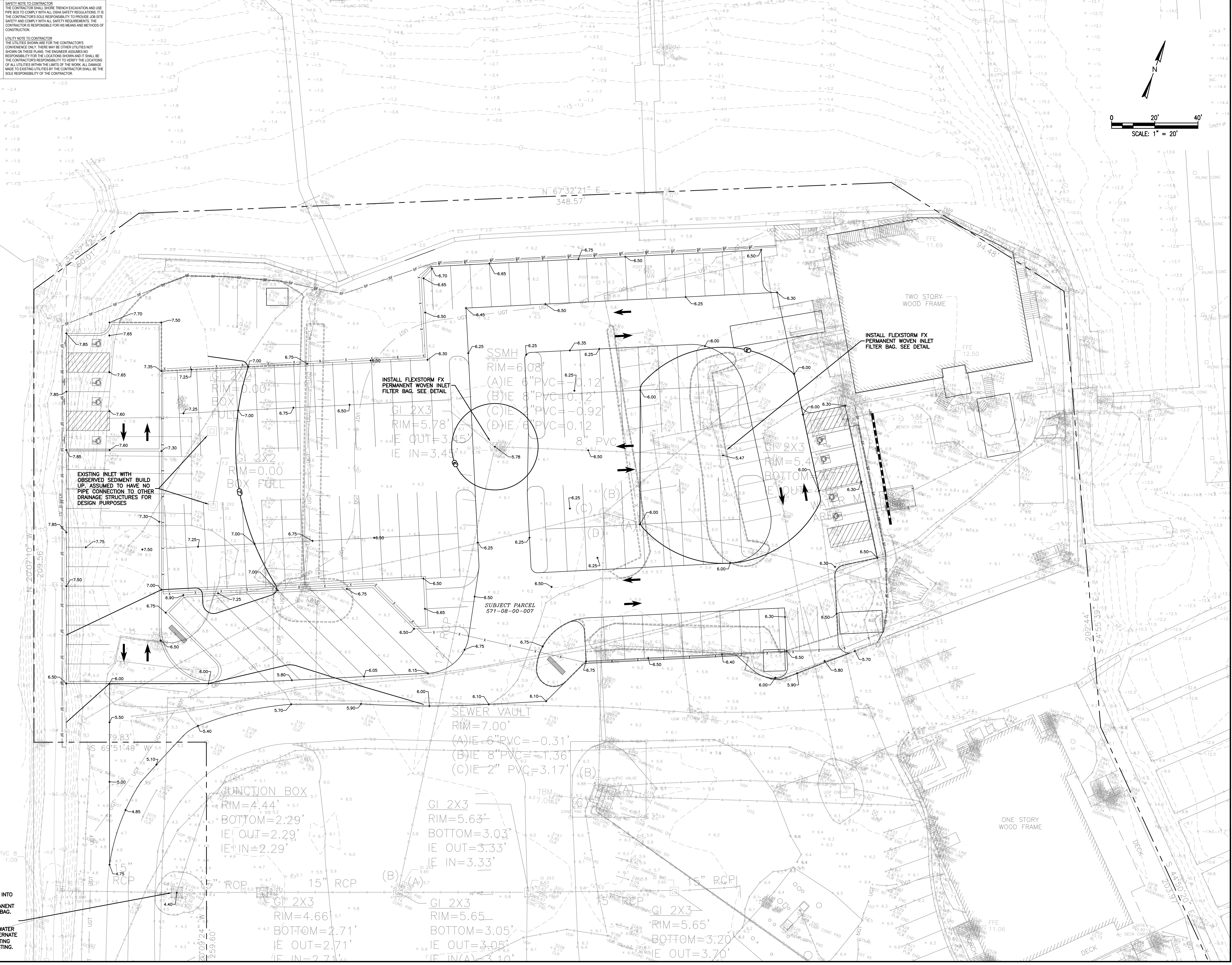
SHEET NUMBER
C-2

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SAFETY NOTE TO CONTRACTOR
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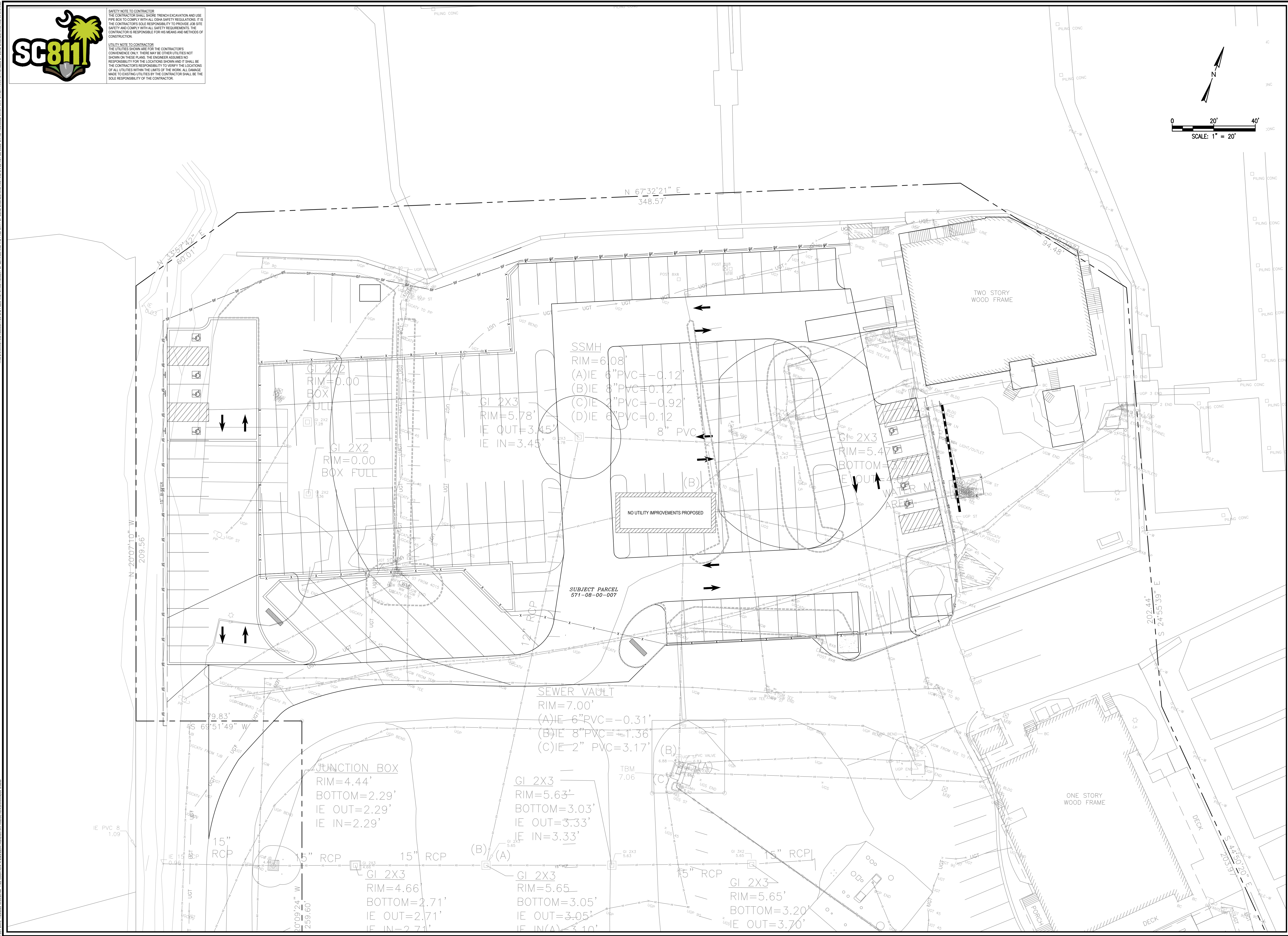
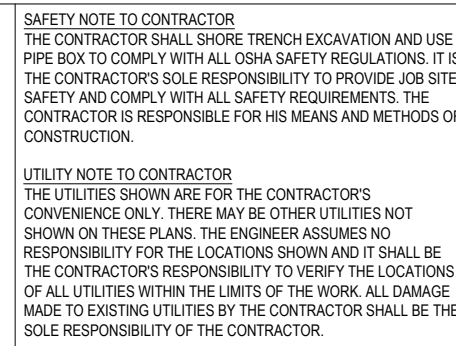


PROJECT INFORMATION		REVISIONS	
PROJECT NAME	PROJECT NUMBER	REV	DESCRIPTION
GRADING AND DRAINAGE PLAN	50 41ST AVENUE ISLE OF PALMS, SOUTH CAROLINA		

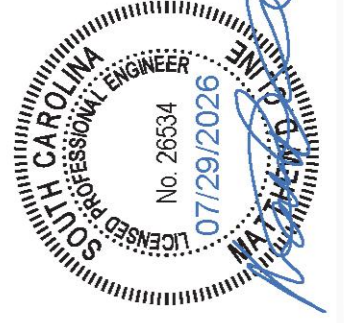
DATE	DESCRIPTION	DRAWN	APPROVED
07/29/2026	ISSUED FOR REVIEW AND APPROVAL		

CLINE ENGINEERING
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SHEET INFORMATION	
SHEET NUMBER	PROJECT NUMBER
C-3	50 41ST AVENUE ISLE OF PALMS, SOUTH CAROLINA



A.	07/29/2026	ISSUED FOR REVIEW AND APPROVAL	--	MDC
REV.	DATE	DESCRIPTION	DRAWN	APPR.



CLINE
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PROFESSIONAL DESIGN CONSULTING

IOP MASTER PLAN
UTILITY PLAN
50 41ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

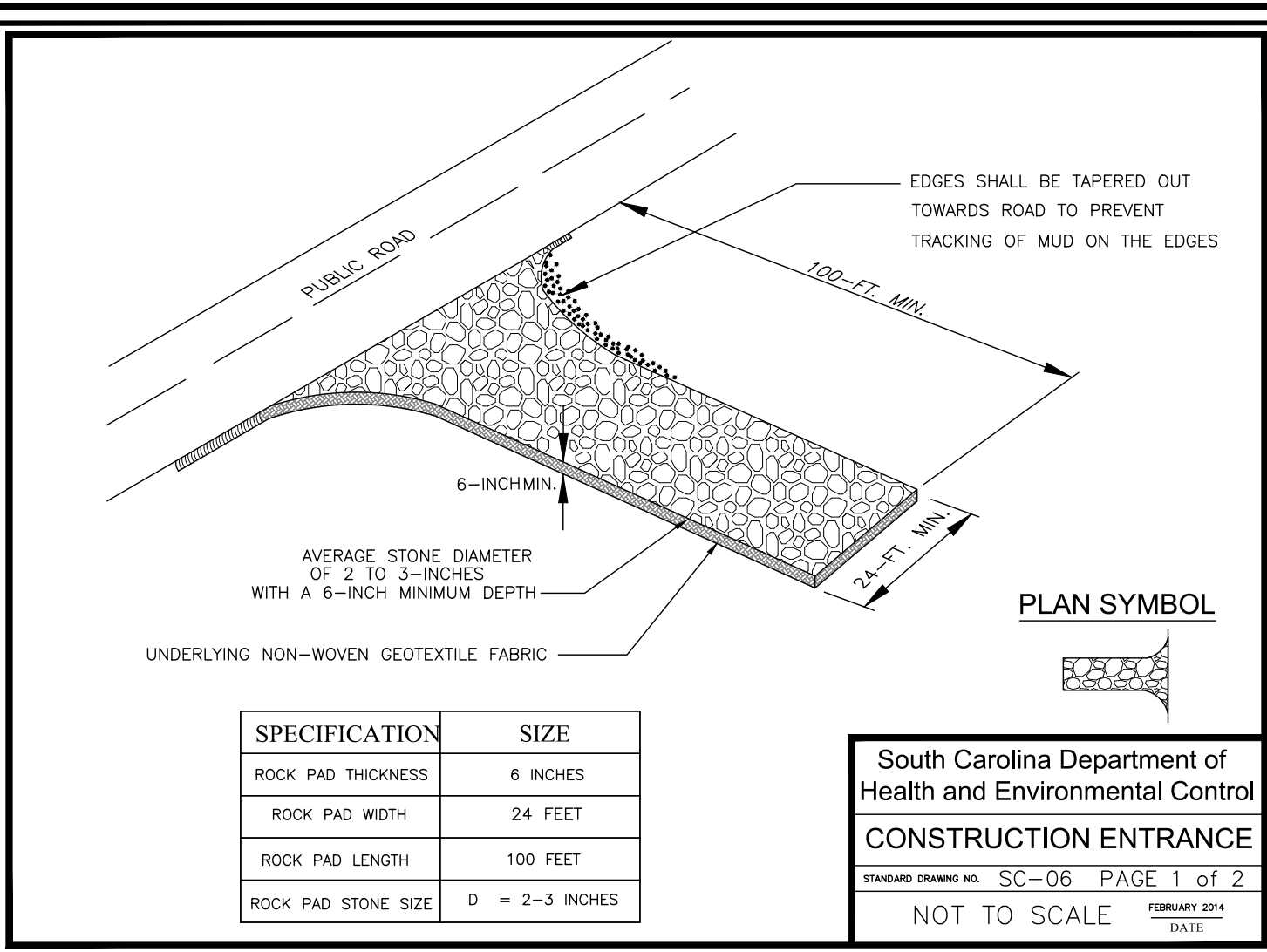
PROJECT MANAGER	MDC
DRAWN BY	AJ/R
PROJECT DATE	AUGUST 2022
JOB NUMBER	22047

SHEET NUMBER

C-4

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- CONSTRUCTION ENTRANCE - GENERAL NOTES**
1. 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 stone.
 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.
 5. Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
 6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
 7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
 8. Limestone may not be used for the stone pad.
- CONSTR. ENTRANCE - INSPECTION & MAINTENANCE**
1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
 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 control.
 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 post-construction.

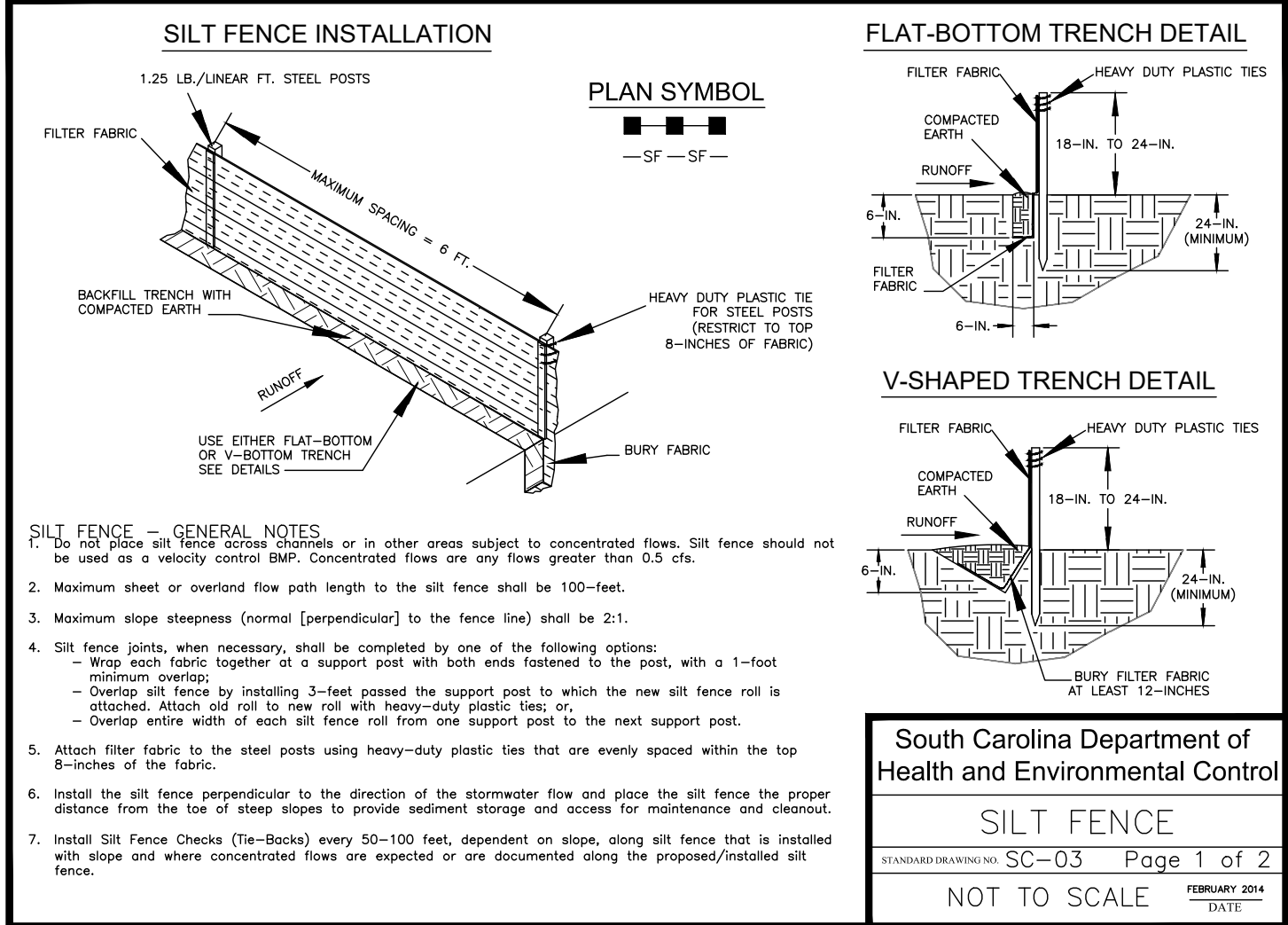
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE



- SILT FENCE - POST REQUIREMENTS**
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 strength of 50,000 psi.
 - 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 (± 5%).
 2. Posts shall be equipped with projections to aid in fastening of filter fabric.
 3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when the silt fence is installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 1/2 pipe steel, at a minimum. The metal soil stabilization plate should be completely buried.
 4. 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.
 5. Post spacing shall be at a maximum of 6-feet on center.
- SILT FENCE - FABRIC REQUIREMENTS**
1. Silt fence must be composed of woven geotextile filter fabric that consists of:
 - Composed of fibers consisting of long chain synthetic polymers of at least 80% by weight of polypropylene, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely affect 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.
 2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approved Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
 3. 12-inches of the fabric should be placed within excavated trench and tamped when the trench is backfilled.
 4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
 5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

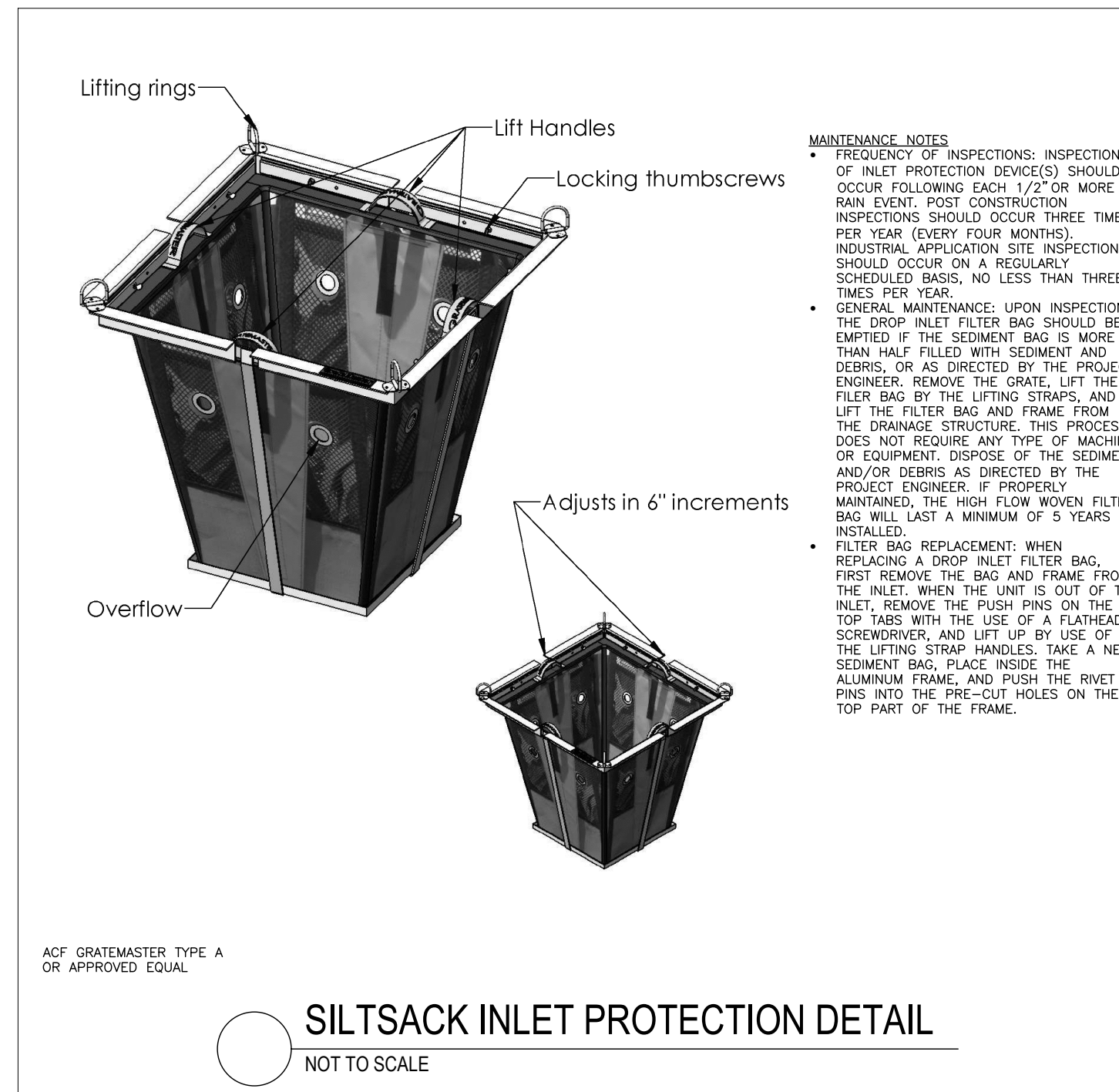
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

GENERAL NOTES

FEBRUARY 2014 DATE



- MAINTENANCE NOTES**
- FREQUENCY OF INSPECTIONS: INSPECTION OF INLET PROTECTION DEVICE(S) SHOULD OCCUR FOLLOWING EACH 1/2" OR MORE RAIN EVENT, POST CONSTRUCTION. INSPECTIONS SHOULD OCCUR THREE TIMES PER YEAR (EVERY FOUR MONTHS). INDUSTRIAL APPLICATION SITE INSPECTIONS SHOULD OCCUR ON A REGULARLY SCHEDULED BASIS, NO LESS THAN THREE TIMES PER YEAR.
 - GENERAL MAINTENANCE: UPON INSPECTION, THE DROP INLET FILTER BAG SHOULD BE EMPTIED IF THE SEDIMENT BAG IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED BY THE PROJECT ENGINEER. REMOVE THE GRATE, LIFT THE FILTER BAG BY THE LIFTING STRAPS, AND LIFT THE FILTER BAG AND FRAME FROM THE DRAINAGE STRUCTURE. THIS PROCESS DOES NOT REQUIRE ANY TYPE OF MACHINE OR EQUIPMENT. DISPOSE OF THE SEDIMENT AND/OR DEBRIS AS DIRECTED BY THE PROJECT ENGINEER. IF PROPERLY MAINTAINED, THE HIGH FLOW WOVEN FILTER BAG WILL LAST A MINIMUM OF 5 YEARS INSTALLED.
 - FILTER BAG REPLACEMENT: WHEN REPLACING A DROP INLET FILTER BAG, FIRST REMOVE THE BAG AND FRAME FROM THE INLET. WHEN THE UNIT IS OUT OF THE INLET, REMOVE THE PUSH PINS ON THE TOP TABS WITH THE USE OF A FLATHEAD SCREWDRIVER, AND LIFT UP BY USE OF THE LIFTING STRAP HANDLES. TAKE A NEW SEDIMENT BAG, PLACE INSIDE THE INLET PINS INTO THE PRE-CUT HOLES ON THE TOP PART OF THE FRAME.

NO.	ISSUED FOR REVIEW AND APPROVAL	DATE	REV.	DATE	DESCRIPTION	DRAWN	APPROV.
A	07/29/2026						



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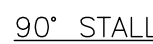
TOP MASTER PLAN

CONSTRUCTION DETAILS

PROJECT MANAGER	MDL
DRAWN BY	ASJR
PROJECT DATE	AUGUST 2022
DWG NUMBER	2204
SHEET NUMBER	

501ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

C-5



NOT TO SCALE

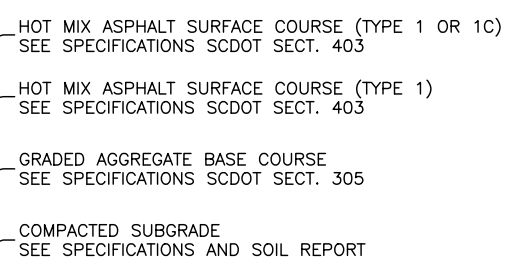


** USE 5' WIDE LOADING ZONE FOR ALL ADA PARKING SPACES

NOT TO SCALE

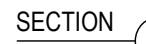


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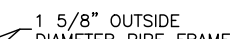
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NOTES

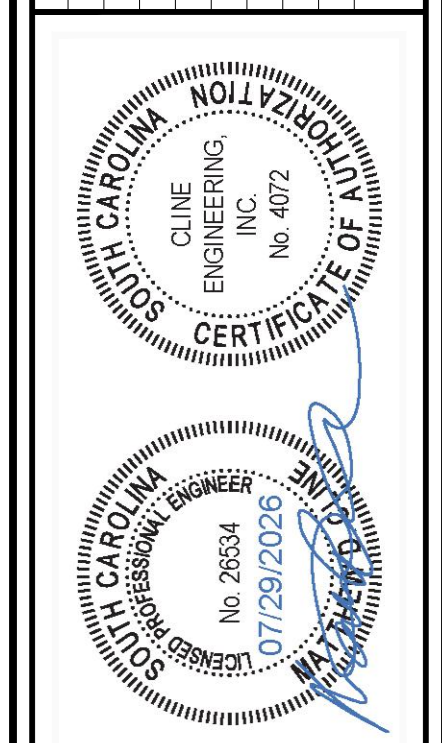
1. MUTCD REFERENCE NUMBER R5-1 (30"x30")
2. INSTALLED ON MINIMUM 3LB/FT. U-CHANNEL POST.
3. TO MEET MINIMUM REFLECTIVITY STANDARDS SET BY SCDOT QUALIFIED PRODUCTS LIST



NOTES

1. DOUBLE GATE SHALL HAVE A LOCKING MECHANISM, DROP ROD, AND TRUSS ROD.
2. ALL FENCE COMPONENT MATERIALS SHALL BE EITHER HOT DIPPED GALVANIZED STEEL OR IRON. FENCE FABRIC SHALL BE ALUMINUM COATED.
3. ALL FENCING SHALL BE PROVIDED WITH A BLACK VINYL COATED POLYESTER PRIVACY SCREEN ACROSS THE ENTIRE SURFACE AREA OF THE FENCE INCLUDING GATES.
4. ALL CHAIN LINK FENCING AND POSTS SHALL BE VINYL COATED WITH BLACK UV RESISTANT VINYL.

NOT TO SCALE

[illegible]

CLINE
ENGINEERING
PROFESSIONAL DESIGN CONSULTING

IOP MASTER PLAN

CONSTRUCTION DETAILS

50 41ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

PROJECT MANAGER	MDC
DRAWN BY	AJJR
PROJECT DATE	AUGUST 2022
JOB NUMBER	22047

SHEET NUMBER

C-6

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PLOT DATE: 29/09/2026 10:55:59 AM FILE LOCATION: X:\2025\25067-62406\01\PROJECT\CONSTRUCTION\DWG\ANSI\SP0-03A

FlexStorm Pure™ Replacement Bag Maintenance Guide

After following the FlexStorm Operation and Maintenance Guide and performing routine maintenance, you may notice damage or degradation of the inlet filter's geotextile bag. This will require replacement of the geotextile bag portion of your inlet filter device. FlexStorm Pure™ (permanent) has replacement bags. If a FlexStorm Lite™ (temporary) filter is damaged, please replace the entire filter unit.

Sizing the Replacement Bag

Option 1: Check the Label
Locate the inlet filter's label attached on the inside visible perimeter of the existing filter frame.

Note the bag size and style listed:
(##" x ##" & STYLE)

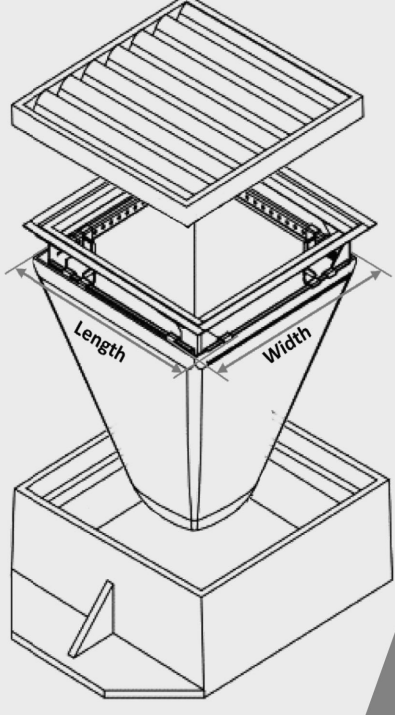


ADS INLET FILTERS
(800) 733-9554
ADS P/N: 62EXAMPLE
REF. INLET ID
BAG SIZE: ##" X ##" (STYLE)
www.adspipe.com 04/29/22

Option 2: Take Measurements
If the label cannot be located, remove the filter from the inlet and take off the existing bag. Measure the length and width of the frame perimeter that holds the bag's hose clamp as shown on the right.

Note: If the filter is round provide the outer diameter of the bottom framing channel.

It is necessary to also provide the bag style that was originally provided on the filter. Pure filters have a variety of options available for replacement bags pertaining to treatment properties required ("FX" or "PCP").



Sediment Bag Replacement

1. Remove the bag by loosening or cutting off the clamping band.
2. Take the new, correctly sized geotextile bag and secure the hose clamping band to the frame channel as previously removed.
3. Ensure the bag is secure and there is no slack around perimeter.



adspipe.com
800-821-6710



Stormwater Treatment

FlexStorm Pure™ (Permanent) Inlet Filters

Round

Clear Opening Dimensions in. (mm)	Frame Material	FX Woven Bag	PCP Bag (+ Oil Pouch)
Small - up to 16 (400 mm) diameter openings	Stainless	62SHDRFX	62SHDRPCP
Medium - up to 24 (600 mm) diameter openings	Stainless	62MHDRFX	62MHDRPCP
Large - up to 36 (900 mm) diameter openings	Stainless	62LHDRFX	62LHDRPCP



Rectangular

Clear Opening Dimensions in. (mm)	Frame Material	FX Woven Bag	PCP Bag (+ Oil Pouch)
Small - up to 16 x 16 (400 x 400) openings or 64 (1,600) perimeter	Stainless	62SHDFX	62SHDPCP
Medium - up to 24 x 24 (600 x 600) openings or 96 (2,400) perimeter	Stainless	62MHDFX	62MHDPCP
Large - up to 36 x 24 (900 x 600) openings or 120 (3,000) perimeter	Stainless	62LHDFX	62LHDPCP
XLarge (typical 2 piece set to fit up to 48 x 36 (1,200 x 900) opening)	Stainless	62XLHDFX	62XLHDPCP



Wall Mount for Open Throat Curb Inlets

Clear Opening Dimensions ft. (m)	Frame Material	FX Woven Bag	PCP Bag (+ Oil Pouch)
Between 1 & 4 (0.3 & 1.2) curb openings (1 filter & mounting hardware)	Stainless	62HDWM1FX	62HDWM1PCP
Between 4 & 8 (1.2 & 2.4) or single wing basins (2 filters & mounting hardware)	Stainless	62HDWM2FX	62HDWM2PCP
Between 8 & 12 (2.4 & 3.6) or double wing basins (3 filters & mounting hardware)	Stainless	62HDWM3FX	62HDWM3PCP
Between 12 & 16 (3.6 & 4.8) or four-sided basin flow (4 filters & mounting hardware)	Stainless	62HDWM4FX	62HDWM4PCP



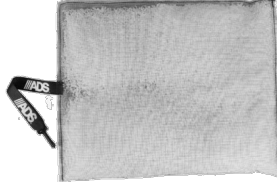
Replacement Bags

Bag Size (Round or Rectangle)	FX Woven Bag	PCP Bag (+ Oil Pouch)
Small	62SRBFX	62SRBPCP
Medium	62MRBFX	62MRBPCP
Large	62LRBFX	62LRBPCP



Replacement Oil Skimmer Pouches

Product	Product Code
Oil skimmer pouch with swivel hook/strap (20 per box)	62CTS8
Oil skimmer 3" x 34" (75 x 850) for wall mounts (30 per box)	62CTS834



FlexStorm Pure™ Inlet Filter

FlexStorm Pure inlet filters are the preferred choice for permanent inlet protection and stormwater runoff control. Constructed of stainless steel, FlexStorm Pure inlet filters will fit any drainage structure and are available with site-specific filter bags providing various levels of filtration.

Applications

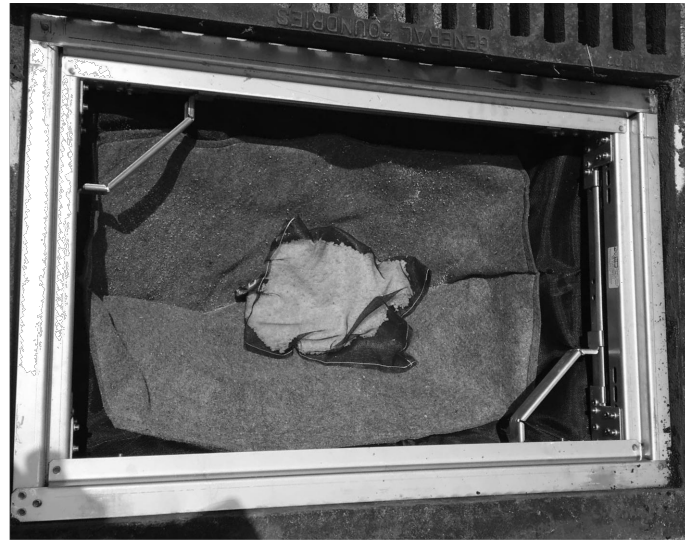
- Car washes
- Commercial
- Loading ramps
- Industrial
- Gas stations
- Parking lots
- Dock drains
- Maintenance

Features

- Custom stainless steel frames are configured to fit into any drainage structure
- Flow and bypass rates meet specific inlet requirements
- Works below grade with bypass to drain area if bag is full
- Installed and maintained by one worker, without additional equipment

Benefits

- Stainless steel frame provides extended service life
- Easily replaceable filter bags
- Meets stringent removal requirements:
 - All bags rated >84% removal efficiency
 - Bag styles available to remove hydrocarbon oils when required



FlexStorm Pure™ Bag Options

FlexStorm Pure, for permanent applications, has three filter bag options available to meet your specific needs. They have varying degrees of TSS and hydrocarbon oil removal properties.

FlexStorm Filter Bags







Filter Bag Test Results

FX	TSS Filtration Efficiency = 85% ¹
PCP	TSS Filtration Efficiency = 97% ¹

¹ Large scale, 3rd party testing per ASTM D 7351 modified for inlet filters

Filter Bag Specifications & Capabilities

Bag Type (P/N)	Geotextile Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
Woven (FX/FXP)	200	40
Post Construction (PCP)	137	140

Total Bypass Capacity

Bypass capacity will vary with each size drainage structure. FlexStorm designs filter bypass to meet the minimum design flow of the particular drainage structure.

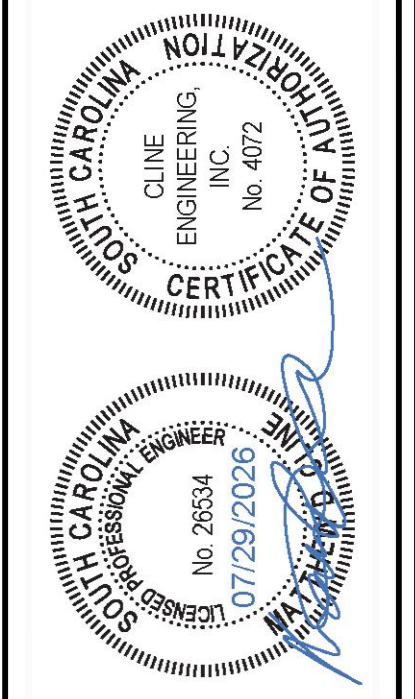
Standard Bag Sizes (match frame sizes)	Solids Storage Capacity ft ³ (m ³)	Filtered Flow Rate at 50% Max (CFS)		Oil Retention (Oz)	
		FX	PCP	FXP	PCP
Small	1.6 (0.5)	1.2	0.8	89	168
Medium	2.1 (0.6)	1.7	1.2	89	204
Large	3.8 (1.2)	2.7	1.8	89	262
XL	4.2 (1.3)	3.6	2.4	178	319

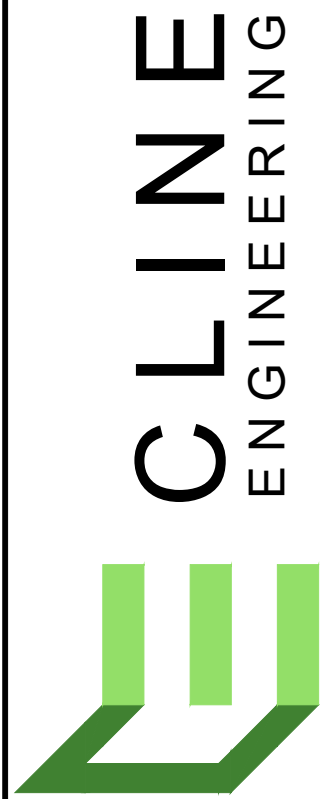


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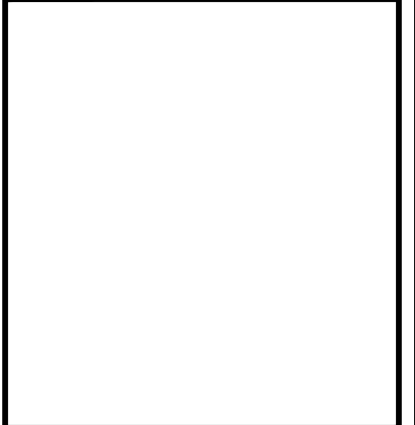
adspipe.com
800-821-6710

MDC	ISSUED FOR REVIEW AND APPROVAL	DATE	REV	DESCRIPTION	DRAWN	APPRV.
A	07/29/2026					





PROFESSIONAL DESIGN CONSULTING



IOP MASTER PLAN

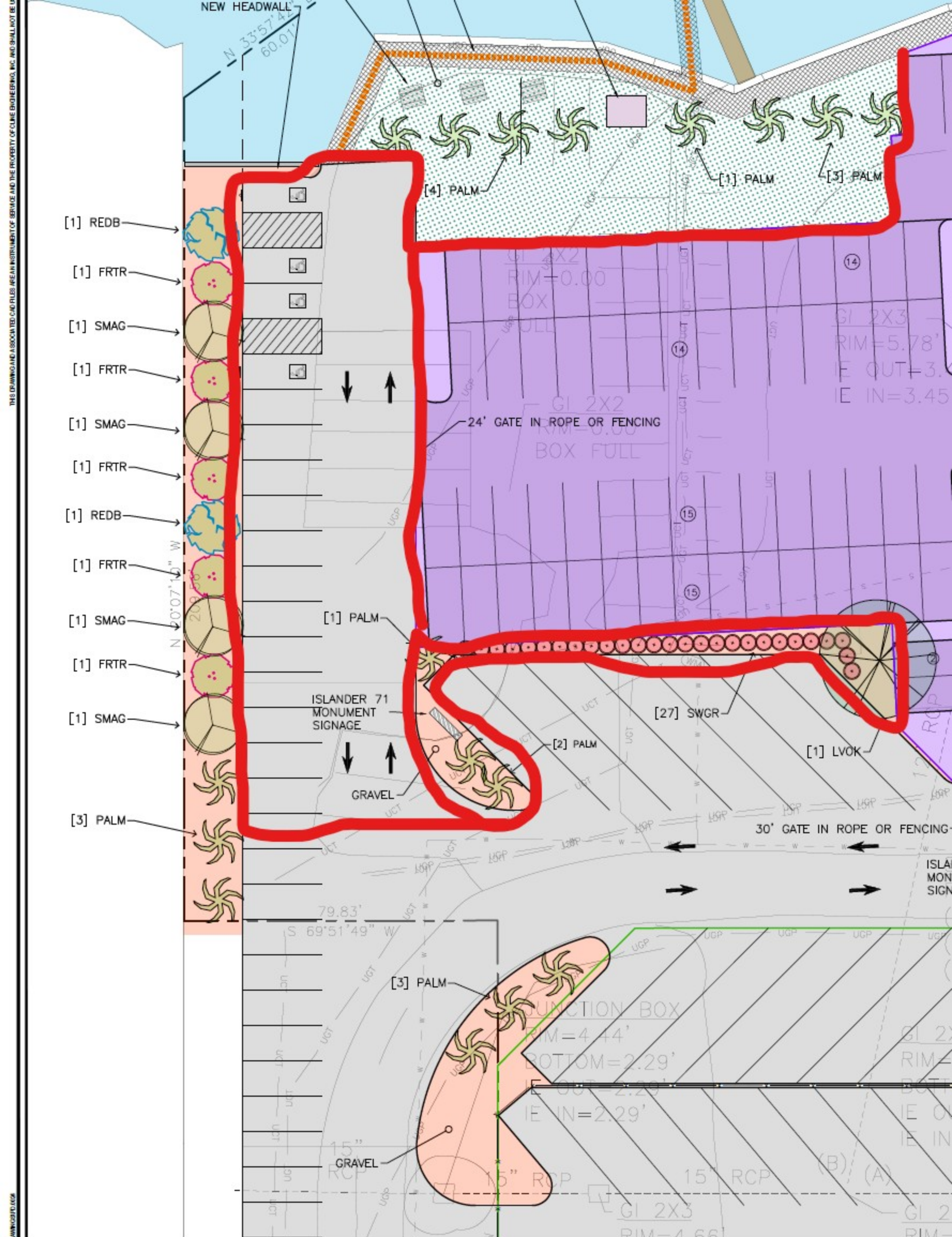
CONSTRUCTION DETAILS

50 41ST AVENUE
ISLE OF PALMS, SOUTH CAROLINA

PROJECT MANAGER	MDL
DRAWN BY	ASJR
PROJECT DATE	AUGUST 2022
CON NUMBER	2204

SHEET NUMBER

C-7



PLANT CODES

FRTR	FRINGE TREE
LVOK	LIVE OAK TREE
PALM	PALM TREE
REDB	RED BUD TREE
SMAG	SWEETBAY MAGNOLIA TREE
SWGR	SWEETGRASS



CHAPTER 2. SOLID WASTE¹

Sec. 3-2-1. Burning to be performed in incinerator, etc. [FD](#)

No person shall burn or cause to be burned any rubbish, trash, leaves, tree limbs, shavings, chips, sawdust or other debris within the City unless such material is burned in an incinerator or suitable metal container and such burning complies with all applicable state, federal and local environmental and safety laws, rules and regulations.

(Code 1970, § 18-1; Code 1994, § 3-2-1; Ord. No. 1997-16, § 1, 8-26-1997)

Sec. 3-2-2. Hours of authorized burning. [FD](#)

Burning shall be allowed only during daylight hours.

(Code 1994, § 3-2-2; Ord. No. 1997-16, § 2, 8-26-1997)

State law reference(s)—Regulations of department of health and environmental control concerning burning, R 61-62.2.

Sec. 3-2-3. Procedure for burning quantity exceeding incinerator capacity. [FD](#)

Whenever the material to be disposed of as set forth in section 3-2-1 exceeds the quantity that can be accommodated by an incinerator or suitable metal container, written permission to burn the material shall be secured from the Chief of the Fire Department and the burning shall be done only under the direction of the Fire Department and during daylight hours.

(Code 1970, § 18-3; Code 1994, § 3-2-3)

Sec. 3-2-4. Garbage containers required.

- (a) *Residential.* It shall be the duty of every owner or other occupant of a residential dwelling to use [either a 96](#) ~~90-gallon or a 40-gallon~~ plastic roll-out cart approved by the City. Each dwelling shall receive one (1) cart from the City at no cost to the user. Additional carts may be [rented purchased](#) by the user. Each dwelling owner shall be responsible for damage to the cart unless such damage is caused by City personnel [or normal wear](#). All garbage shall be kept in the carts until collected by the City and shall be kept closed in such a manner as will prevent access by flies, rodents and other animals. The cart and contents shall not weigh more than two hundred (200) pounds. No garbage cart shall be used for any other purpose. In the event of overflow, plastic bags which are tightly bound may be placed on the carts at curbside on the day of collection. [In the event of regular overflow, the Director of Public Works may require owners to purchase an additional roll cart\(s\).](#) The owner or occupant of any dwelling where carts ~~or plastic bags~~ are placed at curbside shall be responsible for prompt cleanup and removal of the contents of such carts and bags if the bags are torn or the carts overturned from any cause. If a cart is damaged through negligence or abuse, it

¹State law reference(s)—Spilling loads on highways, S.C. Code 1976, § 56-5-4100; solid waste management; storage, transportation and collection of municipal solid wastes, S.C. Code Reg. 61-107.5; full cost disclosure by local governments concerning solid waste management, S.C. Code 1976, § 44-96-90.

shall be the responsibility of the owner to replace the cart and the Public Works Department may refuse to handle such cart until it is replaced. Roll-out carts found to be inoperable due to normal wear or usage shall be repaired or replaced by the Public Works Department. The Public Works Department will notify users that a roll-out cart is unfit for continued use by placing a tag on the cart. All carts shall remain at the dwelling, and shall remain the property of the City.

(b) *Commercial.* [SUB CONTRACTED](#)

- (1) Each business which generates a volume of garbage in excess of two (2) 90-gallon roll-out carts between scheduled collection dates of the Public Works Department may be required to use a bulk container of appropriate capacity approved by the Public Works Department if the site lacks sufficient area for safe and proper storage of the cart.
- (2) ~~Bulk containers shall be of sufficient size to hold all garbage deposited between scheduled collection dates so that there shall be no spillage of garbage or other material from said container.~~
- (3) ~~Bulk containers shall be placed in an area easily accessible to the equipment used for collection. Such area shall be designated for each container by the Public Works Department.~~
- (4) ~~No container used for garbage shall be used for any other purpose. Garbage will be collected only if it is deposited in an approved container at a location also approved by the Public Works Department.~~
- (5) ~~The Public Works Department may refuse service to any bulk container that is no longer in serviceable condition to rust, wear, or other damage.~~
- (6) ~~It shall be the duty of the commercial user to maintain the bulk container in a reasonably clean and sanitary condition.~~

(c) *Rental property.* The owner and tenant of each rental property shall have joint and several liability for any violation of this section.

(d) *Proper disposal.* It shall be unlawful for any person to place any material in any ~~bulk container, or~~ garbage roll-out cart, which at the time of collection is not qualified for municipal solid waste disposal at the County solid waste landfill ~~or Resource Recovery Center.~~

(Code 1994, § 3-2-4; Ord. No. 1979-16, 10-14-1979; Ord. No. 1997-16, § 3, 8-26-1997)

Sec. 3-2-5. Trash collection.

- (a) No waste which at the time of collection is defined by the United States Environmental Protection Agency or the State Department of Health and Environmental Control as hazardous waste shall be collected by the City.
- (b) No tires, batteries, motor oil, petroleum products or auto parts of any kind will be collected by the City. [No paint shall be mixed in with household trash into city roll carts. Paint spillage on to city, state or private roads is not the responsibility of the Isle of Palms public service department.](#) Proper disposal of same shall be the responsibility of the owner or person in possession of the same.
- (c) *Leaves and grass clippings.* All leaves and grass clippings shall be placed at the curb in front of the property in bio-degradable paper bags ~~or plastic containers for collection.~~ No plastic bags shall be used for the disposal of leaves or grass clippings. No household garbage or other materials may be placed with leaves or grass clippings. No mixed materials or plastic bags will be collected by the City. Home composting of leaves and grass clippings is encouraged.
- (d) Logs, limbs, brush, and like materials shall be placed at the curb in front of the property in the following manner:
 - (1) Length of material shall not exceed four feet.

- (2) Diameter of material shall not exceed four inches.
 - (3) ~~The City will only collect materials as listed in this category which are generated by routine landscape maintenance on developed lots.~~ Debris generated by grading or clearing of undeveloped property shall be disposed of by the party generating such debris. ~~The city will not collect materials listed in this category which are generated by landscapers, tree services or other contractors. Debris resulting from commercial landscaping maintenance operations tree service or other contractors shall be removed and legally disposed of by the -contractor.~~
 - (4) When placed at the curbside for collection, materials shall not obstruct access to water meters, stormwater collection boxes, sewer manhole covers, or fire hydrants.
 - (5) No garbage shall be mixed with the items listed in this category.
 - (6) No plastic bags shall be used for the disposal of any items listed in this category.
- (e) Building materials, furniture or other trash shall be placed at the curb in front of the property for collection in the following manner:
Builder refuse which is generated exclusively by an owner or resident shall be collected by the city when the volume of the said material does not exceed limits outlined in the Solid Waste Services Collection Procedures
- (1) Any single collection day will be limited to the equivalent of two ninety six (19280) gallons in ~~volume~~volume, the equivalent of two trash carts.
 - (2) No hazardous waste as defined in subsection (a) of this section will be collected by the Citycity.
 - (3) No roofing shingles will be collected by the Citycity.
 - (4)** No building materials or other trash generated by a contractor shall be collected by the City.
 - (5) Items within this category shall be separated at the curb for collection. Any materials in these categories that are mixed together shall not be collected by the City.
 - (6) No garbage shall be mixed with the items in this category.
- (f) Collection days shall be designated by the City, from time to time. Reasonable notice will be given by the City of collection schedules or practices. Garbage and trash shall be collected according to the schedule established by the Director of Public Services Department. Property owners and tenants shall be notified of such schedule change or practices by public notice.

(Code 1994, § 3-2-5; Ord. No. 1993-8, 5-25-1993; Ord. No. 1997-16, § 4, 8-26-1997; Ord. No. 1998-8, 4-28-1998; Ord. No. 2011-03, § 1, 3-22-2011)

Sec. 3-2-6. Removal of contractors' and builders' refuse.

Contractors' and builders' refuse, generated by a contractor, construction material such as bricks, scraps of lumber, mortar, plaster, roofing, guttering, shavings, vegetative debris and all other like materials shall be removed by the contractor, owner or tenant of the premises, each being jointly and severally responsible for such removal.

(Code 1970, § 18-7; Code 1994, § 3-2-6; Ord. of 1-13-1977)

Sec. 3-2-7. Dumping, Scattering scattering of contents or rummaging through garbage containers.

It shall be unlawful for any person to dump, scatter or spread, or allow to be dumped, scattered or spread, the contents of garbage carts, bags, vegetative debris, or containers, or offloading of trucks or trailers of debris generated outside of the isle of Palms on public or private, on any property in the City, and further it shall be unlawful for any person to enter upon or rummage or plunder through the contents of any garbage cart, bag or container of another, or to use the container or trash enclosure of another without permission. Placing items on vacant parcels or on any public or on any public property shall be considered illegal dumping.

(Code 1970, § 18-9; Code 1994, § 3-2-7; Ord. of 1-13-1977; Ord. No. 1997-16, § 5, 8-26-1997)

Sec. 3-2-8. Garbage roll-out carts and county recycling containers shall not be kept upon street or road rights-of-way.

Garbage roll-out carts and county recycling containers shall not be placed in the right-of-way of a street or road except when placed for collection. Garbage carts and recycling containers shall not be placed for collection prior to 5:00 p.m. on the day before collection. Garbage carts and recycling containers shall be removed from the right-of-way no later than 9:00 a.m. on the day following collection. Except for such times when lawfully placed for collection, no garbage carts or recycling containers shall be allowed to remain clearly visible from a street, road, or right-of-way. Garbage carts and recycling containers located on publicly owned areas, including, but not limited to, public parking lots, public parks, public beach and recreational areas, or any City-owned property, are exempt from the requirements of this section. The City has the right to move garbage carts and recycling containers placed in violation of this section.

(Code 1970, § 18-10; Code 1994, § 3-2-8; Ord. of 1-13-1977; Ord. No. 1997-16, § 6, 8-26-1997; Ord. No. 2001-3, § 1, 2-27-2001; Ord. No. 2013-03, § 1, 5-28-2013)

Editor's note(s)—Ord. No. 2013-03, § 1, adopted May 28, 2013, changed the title of § 3-2-8 from garbage roll-out carts shall not be kept upon street or road rights-of-way to garbage roll-out carts and county recycling containers shall not be kept upon street or road rights-of-way.

PAPER AND CARDBOARD.

(A) Paper and cardboard boxes in large quantities shall be disposed of at a recycling center.

(B) If being disposed disposed of in the Charleston County blue recycling carts, cardboard boxes must be broken down and fit loosely in the cart.

Sec. 3-2-9. Scheduled Collection.

All garbage generated from residential property will be collected in accordance with schedules established by the City from time to time. Scheduled collections of, garbage,garbage and trash shall be collected according to the schedule established by the Director of Public Services Department. Property owners and tenants shall be notified of such schedule change or practices by public notice.

(Code 1994, § 3-2-9; Ord. No. 1997-16, § 7, 8-26-1997)

Sec. 3-2-10. Placing garbage roll-out carts for collection.

When placing garbage roll-out carts for collection, they shall be placed within ten (10) 3 feet of the edge of the pavement of the street. Carts which are not placed in a location which is easily accessible by collection personnel and equipment will not be emptied. The handles of the carts shall be faced toward the street unless otherwise notified by the public services department with the implementation of the automatic side loading garbage truck which will effect which may affect handle placement, distance from the curb and distance from obstructions.

(Code 1994, § 3-2-10; Ord. No. 1997-16, § 8, 8-26-1997)

Sec. 3-2-11. Collection of major household appliances.

The collection of major household appliances such as refrigerators, washing machines, dryers, dishwashers, furniture, bed mattresses, etc., are to be placed out on schedule pick up days Tuesday night for Wednesday pick up, unless otherwise agreed to by the Public Works Department.

(Code 1970, § 18-13; Code 1994, § 3-2-11)

Sec. 3-2-12. Penalties for noncompliance with or violation of this chapter.

Any person violating any provision of this chapter shall, upon conviction, be punished as provided in section 1-3-66. A violation of this chapter shall not be considered as a continuing offense, but each day that this chapter is violated shall be a separate and distinct offense.

(Code 1994, § 3-2-12; Ord. No. 1979-16, 10-14-1979)

Sec. 3-2-13. Definition of curb.

For purpose of this chapter, the term "curb" shall include the edge of a street, road or right-of-way.

(Code 1994, § 3-2-13; Ord. No. 2001-3, § 2, 2-27-2001)

Comparison of Isle of Palms and Mount Pleasant Solid Waste Ordinances

Prepared as a policy discussion draft.

Topic	Current IOP	Mount Pleasant Chapter 50	Recommendation for IOP
Definitions	Basic sanitation/litter definitions	Comprehensive solid waste definitions	Expand to include contractor debris, imported waste, commercial landscaping
Residential collection	Limited guidance	Detailed collection rules	Clearly define City service levels
Contractor-generated debris	No specific provision	Not collected by Town; contractor responsible	Adopt similar language
Construction/remodeling debris	No specific provision	Private disposal required	Adopt
Land clearing	No specific provision	Developer/contractor responsible	Adopt
Tree contractor debris	No specific provision	Contractor responsible	Adopt
Commercial landscaping	No specific provision	Contractor responsible	Adopt
Imported debris	No prohibition	Not expressly addressed	Prohibit waste generated outside IOP from being brought into City
Illegal dumping	General nuisance/litter	Specific dumping prohibitions	Strengthen with enforcement
Cost recovery	Limited	Limited	Recover labor, hauling, disposal, tipping and admin costs
Permit linkage	None	None	Require debris disposal plan with building permits

✓ SEC#
3-2-7
~~3-2-5~~
3-2-9
3-2-5
3-2-6
3-2-5
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3-2-5(3)
3-2-7
3-2-7

Key Observations

- Mount Pleasant already excludes contractor-generated debris from municipal collection.
- IOP appears to lack explicit provisions addressing contractor-generated debris and imported waste.
- IOP has an opportunity to modernize its ordinance by defining municipal service levels, prohibiting imported debris, and authorizing cost recovery.

Cook

**CITY OF
ISLE
OF
PALMS
South Carolina**



Mayor:
Phillip Pounds

City Council:
Jan Anderson
John Bogosian
Blair Hahn
Katie Miars
Kevin Popson
Rusty Streetman
Jimmy Ward
Scott Pierce

July 6, 2026

Shealy Truck Center
1340 Bluff Rd.
Columbia SC 29211

Subject: Letter of Intent to Purchase equipment

Dear Johnathan Myers,

The city of Isle of Palms hereby expresses its intent to purchase the following equipment from Shealy Truck Center under the terms outlined in your quotation dated January 25th, 2026:

Chassis: 2027 Mack LR

Equipment: New Way Sidewinder 31 YD Automated side loader

South Carolina state contract #4400035137

Total purchase price: \$428,007.08 (inclusive of applicable taxes and discounts)

Estimated delivery: Chassis ETA May 25, 2026: Equipment completion approximately 180 days after chassis receipt (November 25, 2027)

This purchase will be made in accordance with the specifications and terms provided in your proposal, Including warranty coverage and dealer services as stated. The city acknowledges the pricing disclaimer regarding potential tariff-related adjustment and agrees to work collaboratively should such circumstances arise.

Please consider this letter as confirmation of our intent to proceed with the purchase, subject to final approval by the City Council and execution of a formal purchase order.
We appreciate your assistance and look forward to working with Shealy Truck center on this acquisition.

Sincerely,

Douglas Kerr
City Administrator

 Shealy Truck Center "QUALITY WITHOUT COMPROMISE" Since 1932		SHEALY TRUCK CENTER SALES PROPOSAL				ORDER #	
		CUSTOMER NAME	Isle of Palms		CONDITION	NEW	
			1303 Palm Blvd				
			Isle of Palms, SC 29451		TAG	PTAG	
		PHONE	843-886-8956		TAG TRANSFER	NO	
EMAIL							
FED ID							
DATE	July 9, 2026		INSURANCE CARRIER			Mileage	
The undersigned purchaser hereby offers to purchase from you, the Seller, for the state price, the truck(s) described below.							
SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THE FACE AND REVERSE SIDE HEREOF:							
DESCRIPTION							
QTY.	YEAR	MAKE	MODEL	TRUCK SERIAL NUMBER		Total	
1	2027	Mack	LR	TBD		\$413,795.92	
FET EXEMPT ITEMS							
Amick Equipment Supplied - New Way Sidewinder 31 YD ASL Body Piece Included - \$213,334.04						\$0.00	
						\$0.00	
						\$0.00	
						\$0.00	
State Contract #4400035137 Allowed 5.88% Profit						\$13,438.16	
THIS PRICING INCLUDES ALL CURRENT MANUFACTURERS MATERIAL AND TRANSPORT SURCHARGES. FUTURE CHARGES THAT THE MANUFACTURER FUTURE CHARGES THAT THE MANUFACTURER DEEMS NECESSARY WILL BE PASSED ALONG TO THE CUSTOMER, ALONG WITH APPLICABLE TAXES ON THOSE SURCHARGES.							
AS OF JANUARY 18, 2024 THE STATE OF SOUTH CAROLINA NOW REQUIRES SELLING DEALERS TO HANDLE ALL STATE TAGS, TITLING AND REGISTRATION FEES, WITH THE EXCEPTION OF IRP TAGS.. THOSE FEES WILL BE CALCULATED THROUGH THE DMV SYSTEM AT TIME OF DELIVERY. THERE IS A CLOSING DOC FEE OF \$225.							
A SIGNED BUYERS ORDER, NON-REFUNDABLE DEPOSIT AND CREDIT APPROVAL REQUIRED PRIOR TO ORDERING THE TRUCK							
SHEALY TRUCK CENTER 1340 BLUFF RD. COLUMBIA, SC 29201 P.O. BOX 12027 COLUMBIA, SC 29211 PHONE 800-951-8580 FAX 803-771-4879 SHEALY TRUCK CENTER OF THE PIEDMONT 331 MIDPOINT BLVD DUNCAN, SC 29334 P.O. BOX 940 DUNCAN, SC 29334 PHONE 800-968-4914 FAX 864-968-1171				SUB TOTAL:		\$427,234.08	
				FET:		\$0.00	
				TIRE TAX CREDIT:		\$0.00	
				Titling		\$48.00	
				Closing Fee		\$225.00	
				SC IMF:		\$500.00	
				SUB TOTAL:		\$428,007.08	
				DEPOSIT RECEIVED:		\$0.00	
DUE AT DELIVERY:		\$428,007.08					
PRICING BASED OFF QUOTE ID CUSTOMER SIGNATURE BELOW INDICATES APPROVAL OF SPECS ON QUOTE ID							
Warranties: THE DISTRUBUTOR AND THE MANUFACTURER MAKE NO WARRANTIES AS TO SAID VEHICLES(S). EXPRESS OR IMPLIED BY LAW, EXCEPT THE MANUFACTURER'S STANDARD VEHICLE WARRANTY, A COPY OF WHICH HAS BEEN DELIVERED TO THE PURCHASER AND WHICH IS INCORPORATED HEREIN BY REFERENCE. THE DISTRIBUTOR AND THE MANUFACTURERE SPECIFICALLY DISCLAMAND IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY LIABLITIY FOR CONSEQUENTIAL DAMAGES. UNLESS OTHERWISE STATE, THIS VEHICLE IS SOLD <u>AS IS</u> WITH NO WARRANTY EITHER EXPRESSED OR IMPLIED.							
				Jonathan Myers			
CUSTOMER SIGNATURE				DATE		(Shealy's Sales Represtative)	

TERMS AND CONDITIONS

ACCEPTANCE BY DISTRIBUTOR. Once the Purchase Order is executed by Purchaser and tendered for acceptance by Distributor, it will be binding only upon the execution hereof by Distributor

FINANCING THROUGH DISTRIBUTOR. In the event that Distributor provides financing to Purchaser or arranges for financing, purchaser acknowledges that this Purchase Order shall constitute the sole agreement between the parties with respect to the vehicle(s) purchased and the terms and conditions of sale. The {total} of the repayment of any financing shall be included within the documents to be executed in connection with such financing and are not made a part of this Purchase Order except as specifically stated therein.

WARRANTY BY PURCHASER. In the event that Purchaser has traded in one or more vehicles in connection with this purchase, Purchaser warrants that such vehicles are free and clear of all liens and/or encumbrances of any nature whatsoever and that Purchaser has good and marketable title to the vehicle(s) at the time of delivery thereof to distributor. Such vehicle(s) is to be delivered to the Distributor in the same condition and appearance in which it was when first inspected by the distributor or its agents or employees. The Distributor, upon the tender of delivery of such trade-in vehicle(s), shall have the right once again to inspect such vehicle(s), and the distributor shall be the sole judge as to its condition, with the right to accept or reject said trade-in vehicle(s) at its option. If such trade-in vehicle(s) is not in a condition and appearance as that existing when first inspected by the Distributor, the distributor shall have the right to revalue the amount of allowance offered for such trade-in vehicle(s), and the total cash purchase price shall be increased accordingly. The Purchaser agrees that the amount of the allowances made upon such trade-in vehicles(s), if any, is to be applied by the Distributor as part payment on the purchase price of the purchased vehicle(s).

LIMITATION ON LIABILITY. The Distributor shall not be held responsible for any loss, damage, detention, delay or failure to deliver resulting from any cause which is unavoidable or beyond its reasonable control, including, but not limited to, fire, flood, natural disaster, strike or labor disturbance, accident, vandalism, riot, insurrection, war any order, decree, law or regulation of any court, government or governmental agency, shortage of materials, demand in excess of available supply, failure or interruption of normal transportation or power facilities; AND IN NO EVENT SHALL THE DISTRIBUTOR BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF INCOME. Receipt of said vehicle(s) by the Purchaser upon delivery shall constitute a waiver of all claims for loss or damage due to delay. In executing this Purchase Order, Purchaser understands that the projected date is based, in part, upon circumstances outside of Distributor's control and is based on a good faith estimate as to such events.

TITLE RETENTION. Until such time as the Distributor has received, in full, the entire cash price for the purchased vehicle(s), all title(s) shall remain with Distributor and shall not pass to Purchaser until full payment and, to the extent not inconsistent, Distributor shall retain a security interest in such purchased vehicle(s) equal to the unpaid cash price for said vehicle(s).

DEFAULT BY PURCHASER. In the event that the Purchaser shall fail to accept delivery of the vehicle(s) for any reason whatsoever (THIS BEING A NON-CANCELLABLE CONTRACT), Distributor shall have all remedies available at law or in equity including, without limitation, the following PURCHASER UNDERSTANDS THAT ITS ORDER OF THE PURCHASED VEHICLE(S) MAY INCLUDE SPECIAL ORDER ITEMS NOT REGULARLY PROVIDED FOR SAID VEHICLE(S). IN SUCH EVENTS, DISTRIBUTOR WILL INCUR INCREASED COSTS AND EXPENSES WHICH ARE, THEREFORE, RELATED SOLELY TO PURCHASER'S PURCHASE AND FOR WHICH PURCHASER SHALL REMAIN LIABLE IN ALL EVENTS.

INCREASE IN PURCHASER PRICE . Purchaser agrees that if the cost of labor, materials, accessories or other equipment or component parts increases beyond the basis upon which the price set forth herein was established, the distributor at any time before delivery may give the purchaser written notice of such increase in price, and such increased price shall be the new contract price, unless Purchaser, within ten (10) days thereafter, provides Distributor with written notice of cancellation. This is Purchaser's only right of cancellation. Any such increase in the contract price, pursuant to this provision, however, shall not prevent additional increases, if necessary, under the circumstances set forth herein at any time prior to delivery.

EXPENSES OF DISTRIBUTOR. In the event of a breach by Purchaser of any of the terms and conditions of this Purchase Order, the Purchaser shall be liable for all of Distributor's out-of-pocket costs including court costs, expenses and attorneys' fees.

It is understood and agreed that this Purchase Order sets the parties' entire agreement with respect to the vehicle(s) to be purchased. All previous communications between Purchaser and Distributor, whether verbal or written, with reference to the purchase of the vehicle(s), are hereby abrogated, and Purchaser may not rely upon any such previous communications. Accordingly, Purchaser acknowledges that this Agreement contains the entire and complete understanding between the parties and that no modification of the Agreement shall be binding upon the Distributor unless such modification is in writing, and is agreed to and accepted in writing by an authorized officer or agent of the Distributor.