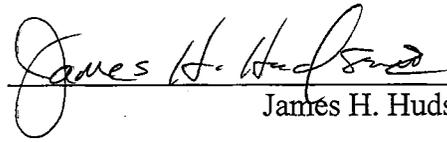


**WEST POINT TOWN COUNCIL
WORK SESSION
August 25th 2015
6:00 p.m.**

I Town Council Work Session

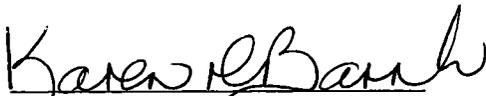
A. Partnership Agreement with the Department of Game and Inland Fisheries

Mr. Edwards presented Town Council with a revised Partnership Agreement with the Department of Game and Inland Fisheries (DGIF) that has been approved by the Town Attorney. Mr. Edwards also advised that Mark Carter has referred to some documentation dating back to 1969 regarding an agreement with the DGIF stating that the DGIF would not expand the boat landing after it was built. Town Staff reviewed Town Council minutes from 1969 and did not find any paperwork related to an agreement, the DGIF have reviewed their records and were unable to find any such documents.



James H. Hudson, III
Mayor

ATTEST:



Karen M. Barrow
Town Clerk

**TOWN OF WEST POINT
TOWN COUNCIL
MINUTES
August 25th, 2015**

I. CALL TO ORDER

The West Point Town Council held its regular monthly meeting on Tuesday, August 25th, 2015. The Honorable James H. Hudson III called the meeting to order at 6:30 p.m. The Invocation was given by Reverend Anderson followed by the Pledge of Allegiance.

Members Present: Mayor, Jim Hudson; Vice Mayor, Deborah Ball; Tina Gulley; Wayne Healy; Jack Lawson and Chris Vincent.

Members Absent: Paul Kelley and Bub Shreaves

Also Present: John B. Edwards, Jr., Town Manager; Andrea Erard, Town Attorney; Karen Barrow, Town Clerk; Chief of Police Bobby Mawyer, WPPD; Holly McGowan, Community Development Coordinator; TC Moore, Town Treasurer; Donna Pauley, Human Resource Officer and other interested persons.

II. CITIZENS ADDRESS TO COUNCIL

A Presentation by the Commonwealth's Attorney

Matthew Kite, the Commonwealth's Attorney presented Town Council with a power point presentation on the responsibilities of the Commonwealth's Attorney's office. Mr. Kite reviewed the Constitutional Officers, their duties and the Code of Virginia. The number of cases the King William County Commonwealth's Attorney's office processed for 2014 was 984.

B Public Hearing, Ordinance 04-2015 / Skateboarding

Mr. Hudson read the advertisement and asked the Town Clerk if any one asked to review the Ordinance.

The Town Clerk advised that no requests were received.

Mr. Hudson asked the Town Clerk if any one asked for assistance to attend the meeting.

The Town Clerk advised that no requests were received.

Mr. Hudson opened the floor for citizens to submit comments on Ordinance 04-2015. There being none, the public hearing was closed.

1 Action

Mr. Wayne Healy made a motion to adopt Ordinance 04-2015, seconded by Mrs. Gulley. Upon roll call, Mrs. Ball, Mrs. Gulley, Mr. Healy, Mr. Lawson and Mr. Vincent all voted "Aye".

C Citizens Address to Council

Mr. Hudson opened the floor for citizens to address Town Council on any Town related business.

- 1 Pastor Jim Goebel, of West Point Baptist Church advised that the Baptist Church has scheduled a Skate Park Trip on Friday, August 28th 2015 to Mount Trashmore and that all youth are invited to attend. The Church will provide a bus for transportation and free pizza with drinks for lunch. Anyone interest in attending, please call the Church office for information.

Mr. Hudson asked if anyone else would like to address Town Council. There being none, the Citizens Address was closed.

III. COUNCIL RESPONSE

None was noted.

IV. AGENDA CHANGES

Mrs. Ball made a motion to adopt the agenda as presented, seconded by Mr. Vincent. Upon roll call Mrs. Ball; Mrs. Gulley; Mr. Healy; Mr. Lawson and Mr. Vincent all voted "Aye".

V. ADOPTION OF CONSENT AGENDA

Mrs. Ball made a motion to adopt the following consent agenda, seconded by Mrs. Gulley. Upon roll call Mrs. Ball, Mrs. Gulley, Mr. Healy; Mr. Lawson and Mr. Vincent all voted "Aye".

- 1) Minutes of July 21st, 2015 Town Council Meeting.
- 2) Cash Reports
 - a) General Fund
Cash on hand as of July 31st, 2015 - \$6,971,811.67
 - b) Water Fund
Cash on hand as of July 31st, 2015 - \$255,593.20
 - c) CIP
Cash on hand as of July 31st, 2015 - \$128,109.49
 - d) Solid Waste
Cash on hand as of July 31st, 2015 - \$117,997.21
- 3) Monthly Budget Report
- 4) School Fund Cash Report
 - a) Cash on hand as of July 31st, 2015 - \$260,558.34
- 5) West Point Monthly Police Activity Report
- 6) Building Official Monthly Report
- 7) Public Works Monthly Permit Report
- 8) Community Development Monthly Permit Report
- 9) Treasurer Monthly Report
- 10) Human Resource Monthly Report

VI. COMMITTEE REPORTS

A. Economic and Community Development – Mr. Lawson reported for the Committee

1 Partnership Agreement with the Department of Game and Inland Fisheries

Mr. Lawson made a motion that Town Council authorize the Town Manager to enter into an agreement with the Department of Game and Inland fisheries for the proposed improvements. Seconded by Mr. Vincent, upon roll call Mrs. Ball, Mrs. Gulley, Mr. Healy, Mr. Lawson and Mr. Vincent all voted "Aye".

B. Education Committee

Mr. Hudson advised that the School Board has hired a new School Superintendent. Mrs. Laura Abel. Mrs. Abel is scheduled to begin work at the end of September.

C. Finance Committee – Mrs. Ball reported for the Committee

Mrs. Ball advised there was nothing to report.

D. Public Safety – Mrs. Gulley reported for the Committee.

Mrs. Gulley advised that there is a new Police Officer, Stewart Meredith and that Officer Meredith is current in training.

E. Public Works – Mr. Vincent reported for the Committee

Mr. Vincent advised there was nothing to report.

VII. TOWN MANAGER'S ITEMS

Mr. Edwards advised there was nothing to report.

VIII. OLD BUSINESS

There was nothing to report under Old Business.

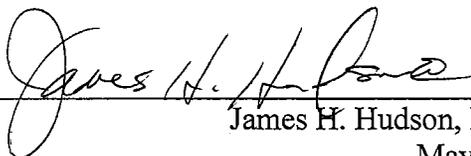
IX. NEW BUSINESS

A. Planning Commission Report - Mr. Hudson

Mr. Hudson advised that the Planning Commission held their regular monthly meeting on Wednesday August 5th, 2015 to discuss the draft text amendment on Temporary Health Care Structures. A public hearing has been scheduled for September 2nd, 2015 at 5 p.m.

X. ADJOURNMENT

There being no further business, Mr. Vincent made a motion to adjourn the meeting at 7:10 p.m., seconded by Mr. Healy. Upon a unanimous vote the meeting was adjourned.


James H. Hudson, III
Mayor

ATTEST:


Karen M. Barrow
Town Clerk

Ordinance 04-2015

Chapter 38 “Offenses – Miscellaneous”

Article I, “In General”

Sec. 38-9. - Operation of bicycles on sidewalks and crosswalks.

No person may ride a bicycle or skateboard on public sidewalks or crosswalks located along Main Street of the Town of West Point, between 6th Street and 10th Street, during the hours of 8:00 a.m. to 6:00 p.m. on Mondays through Fridays, and during the hours of 8:00 a.m. to 1:00 p.m. on Saturdays. ~~Prepayment fine is set at \$25.00.~~ In addition, no person shall skateboard at the Town Park located in the middle of the block inbetween 8th Street and 9th Street. Violations of this section shall be punishable by a fine of twenty-five dollars \$25.00.

Those members voting:

James H. Hudson	N/A
Deborah Ball	Aye
Tina Gulley	Aye
Wayne Healy	Aye
Paul Kelley	Absent
Joshua Lawson	Aye
Otto Shreaves	Absent
Christopher Vincent	Aye

**COMMONWEALTH OF VIRGINIA
PARTNERSHIP AGREEMENT
BY AND BETWEEN
THE TOWN OF WEST POINT AND THE
VIRGINIA DEPARTMENT OF GAME AND INLAND FISHERIES**

This Partnership Agreement ("Agreement") entered into this 15th day of September 2015 by the Town of West Point hereinafter called the "Town", and the Board of Game and Inland Fisheries by the Department of Game and Inland Fisheries hereinafter called the "Department".

WITNESSETH:

WHEREAS, Department and Town desire to continue their arrangement to provide boating access for the benefit of the public pursuant to this **Cooperative Agreement**.

NOW, THEREFORE, in consideration thereof, and of the premises, terms and covenants herein, Department and Town agree as follows:

- 1) **PRIOR AGREEMENTS:** Any Agreements written or verbal shall be superseded in their entirety by this Agreement.

- 2) **TERM OF AGREEMENT:** This Agreement shall remain in force for a period of twenty (20) years from the date of execution. Upon the expiration of the twenty (20) year term, this Agreement shall automatically renew from year to year. This Agreement may be terminated at any time after the initial twenty (20) year term by either party with one hundred and eighty (180) days written notice.

- 3) **LANDING CRITERIA:** The Landing will meet but not be limited to the following criteria:
 - a. Remain open to the public for boating and fishing access for a minimum of twenty years;
 - b. Provide Handicapped Accessibility (Barrier Free to the top of a ramp);
 - c. Be free of charge for use of the **Landing, including Parking**; and
 - d. Be maintained by the **Department** to acceptable maintenance standards referenced in the attached "Cooperative Agreement Boating Access Maintenance Responsibilities". Any concerns or questions regarding maintenance at the site will be directed to John Kirk at Region 1, Charles City, VA Phone # 804-754-6895 for the Department and Walter Feurer, Director of Public Works at Phone # 804-843-4365 for the Town

- 4) **APPLICABLE LAWS:** This Agreement shall be governed in all respects, whether as to validity, construction, capacity, performance or otherwise, by the laws of the Commonwealth of Virginia. Venue shall lie in King William County.

- 5) **SEVERABILITY:** Each paragraph and provision of this **Agreement** is severable from the entire **Agreement**; and if any provision is declared invalid, the remaining provisions shall nevertheless remain in effect.
- 6) **COLLATERAL CONTRACTS:** Where there exists any inconsistency between this **Agreement** and other provisions of collateral Contractual Contracts, which are made a part of this **Agreement** by, reference or otherwise, the provisions of this **Agreement** shall control.
- 7) **INTEGRATION AND MODIFICATION:** This **Agreement** constitutes the entire **Agreement** between the **Department** and the **Town**. No alteration, amendment or modification in the provisions of this **Agreement** shall be effective unless it is reduced to writing, signed by the parties and attached hereto.
- 8) **DISCLAIMER:** Nothing in this **Agreement** shall be construed as authority for either party to make commitments, which will bind the other party beyond the project contained herein. Furthermore, the **Town** shall not assign, sublet, or sub-**Agreement** any work related to this **Agreement** or interest it may have herein without the prior written consent of the **Department**.
- 9) **TERMINATION FOR CAUSE:** Either the **Department** or **Town** may terminate the **Agreement** in whole, or in part, at any time, upon written notice to the other party that there has been a failure to comply with the conditions of the **Agreement**.
- 10) **TERMINATION FOR CONVENIENCE:** Either the **Department** or the **Town** may terminate the **Agreement** if its funding is terminated or if sufficient funds are not appropriated. The **Department** or the **Town** may terminate the **Agreement** in whole, or in part, if both parties agree that the continuation of the **Agreement** program will not produce beneficial results commensurate with further expenditure of funds. The **Department** and the **Town** shall agree upon the termination conditions, including the effective date and, in the case of partial terminations, the portion to be terminated. If the **Agreement** is terminated by the **Town for convenience**, prior to the completion of the twenty (20) year period, the **Town** shall repay the **Department** for any **Agreement** funds, capital funds and or federal funds invested and documented into the facility by the **Department** on a prorated schedule for the portion of the term of the **Agreement** from the date of termination to the end of the period specified.
- 11) The purpose of the partnership between the **Town** and the **Department** is to jointly operate the **Landing** for the benefit of the public. In furtherance of this partnership, the

Town agrees to:

- a. That there will be no restriction placed on the use of the land or the waters it provides access to other than the following:
 - The **Landing's** hours of operation will be twenty-four (24) hours a

day, seven (7) days a week.

- Piers and boat launching facilities are strictly for fishing and the launching and retrieval of watercraft.
- b. Patrol the **Landing** as it deems appropriate to enforce local laws, rules and other public safety regulations, and direct traffic during peak use times.
- c. Maintain the facility or have maintained its improvements and grounds for the term of this **Agreement**. Such maintenance shall include cutting weeds and brush, maintaining drainage ditches, mowing the grass at established public access points, removal of trash and garbage, removal of debris and other routine maintenance necessary for safe public use of the **Landing**.

The **Department** agrees to manage the operation of the Landing as well as:

- a. Patrol the **Landing** as it deems appropriate to enforce game, inland fish and boat laws as well as local regulations related to the public use of the **Landing** pursuant to its authority.
- b. Erect signs related to direction, regulations of the public boat **Landing**, and public fishing rights and access.
- c. Make the necessary improvements to the **Landing** as needed, including the ramps, pier and parking area, and be responsible for costs associated with those improvements. The necessity for improvements shall be at the sole discretion of the **Department**.
- d. Obtain all necessary permits and approvals for the construction of the proposed **Landing**.
- e. Charge no fees for the use of the **Landing** and associated facilities.
- f. Identify and mark the boundary of the **Landing** and associated bank fishing areas.
- g. Maintain signage installed at the **Landing** by the **Department**.
- h. Establish rules and regulations on appropriate public usage, vehicular access, litter control and sanitation at the **Landing**. Keep the Landing open to the public for boating access and fishing, except for reasonable closures necessary for maintenance and emergencies.
- i. Not allow private advertising signage within the boundaries of the **Landing**.

12) AGREEMENT DOCUMENTS: The **Agreement** documents, incorporated herein, shall consist of:

- a. This signed form;
- b. The attached site plan showing the proposed improvements, titled: DGIF Boat launch Improvements, dated May 14, 2015; and
- c. The attached Cooperative Agreement Boating Access Maintenance Responsibilities.

13) THIRD PARTY AGREEMENTS: There are no third party beneficiaries to this **Agreement**.

14) NOTICES: All notices hereunder must be in writing and shall be deemed valid if

sent via one of the following methods:

- a) certified mail, return receipt requested;
- b) overnight delivery service, or
- c) facsimile transmission.

Notices shall be addressed as follows (or to any other address the parties may designate by like notice):

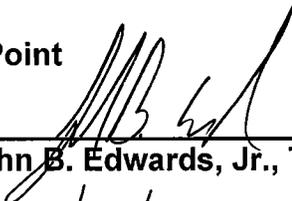
Department: Commonwealth of Virginia,
Board of Game and Inland Fisheries
Virginia Department of Game and Inland Fisheries
ATTN: Real Property Mgmt.
7870 Villa Park Drive, Suite 400
Henrico, VA 23228
PO Box 90778
Telephone No.: 804-367-2212
Fax No.: 804-367-2311

Town: Town of West Point
ATTN: Manager John B. Edwards Jr.
P.O. Box 152
329 6th Street
West Point, Va.
Telephone No.: 804-843-3330

IN WITNESS WHEREOF, the parties have caused this **Agreement** to be duly executed intending to be bound thereby:

Town of West Point

By:



John B. Edwards, Jr., Town Manager

DATE:

9/15/15

**Department of Game and Inland Fisheries for the Board of
Game and Inland Fisheries**

By:



Robert W. Duncan, Executive Director

Date:

09/23/2015

EROSION CONTROL NARRATIVE

- PROJECT DESCRIPTION:** THIS PROJECT INCLUDES THE RENOVATION AND EXPANSION OF AN EXISTING PARKING AREA, BOAT RAMP, COURTESY PER AND A NEW HAND LAUNCH FACILITY AT THE DOF WEST POINT FACILITY.
- EXISTING SITE CONDITIONS:** THE SITE IS LOCATED AT THE DOF WEST POINT FACILITY AT THE END OF GLASS ISLAND ROAD, OFF OF 14TH STREET (ROUTE 33) IN THE TOWN OF WEST POINT. THE SITE CONSISTS OF AN EXISTING ASPHALT PARKING FACILITY, EXISTING COURTESY PER, BOAT RAMP AND A CONCRETE APRON. THE AREA TO RECEIVE NEW FACILITIES IS CURRENTLY MAINTAINED AS UNIMPAVED SCATTERING GRASS. EXISTING WETLANDS ARE FOUND THROUGH THE MATTOON RIVER TO THE EAST.
- ADJACENT AREAS:** THE SITE IS LOCATED IN THE TOWN OF WEST POINT, AT THE END OF GLASS ISLAND ROAD, THE TOWN OF WEST POINT TO THE WEST. MATTOON RIVER IS DIRECTLY ADJACENT TO THE SOUTH AND EAST. CONDUITS ADJACENT TO THE DOF PROPERTY INCLUDE A FUELING STATION TO THE NORTHWEST, AND AN LPG GAS FACILITY TO THE WEST.
 - THERE SHOULD BE MINIMAL IMPACT ON ADJACENT AREAS (NOISE POLLUTION, TRAFFIC INTERRUPTIONS, ETC.)
- OFF-SITE AREAS:** THE CONTRACTOR SHALL IDENTIFY ALL PROPOSED STAGNO AREAS PRIOR TO CONSTRUCTION.
 - NO OFF-SITE AND DISTURBING ACTIVITIES ARE PLANNED. ANY OFF-SITE LAND DISTURBANCE ACTIVITIES WILL REQUIRE A SEPARATE LAND DISTURBANCE PERMIT OBTAINED BY THE CONTRACTOR.
- SOILS:**
 - ALL SOILS ON THE PROJECT SITE ARE CLASSIFIED BY NRCS AS SEABROOK (LOAMY FINE SAND WITH 0 TO 2 PERCENT SILT, LOOPTHINGS GENTLY SLOPING, OR WATER).
- CRITICAL EROSION AREAS:**
 - THE CRITICAL AREAS OF EROSION FOR THE SITE WILL BE THE CONSTRUCTION OF THE CANOE/KAYAK LAUNCH IN THE WATERS OF THE MATTOON RIVER. TO PROTECT THE MATTOON RIVER, THE CONTRACTOR SHALL CONSTRUCT THIS EITHER IN DRY CONDITIONS OR WITH THE USE OF COFFERS. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID TRANSPORT OF SEDIMENT TO THE RIVER BY PROVIDING ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES.
- EROSION AND SEDIMENT CONTROL MEASURES:**
 - THE FOLLOWING VESSEL CONTROLS USED INCLUDE:
 - CONSTRUCTION ENTRANCE PER STD. 3.02
 - (DISBURS VEHICLES WILL NOT TRACK SOIL ONTO LOCAL ROADS)
 - SILT FENCE PER STD. 3.05
 - (GENERALLY PLACED ON THE DOWNHILL SLOPE TO PREVENT THE TRANSPORT OF SILT ALSO USED TO SURROUND STOCKPILE AREAS)
 - CLAYNET MLET PROTECTION PER STD. 3.08
 - (USED TO PREVENT SEDIMENT FROM ENTERING DRAINAGES DURING CONSTRUCTION)
 - OUTLET PROTECTION PER STD. 3.18
 - (USED TO PREVENT SEDIMENT AT STORMWATER PIPE OUTLETS)
 - BIRAPR PER STD. 3.19
 - (USED TO PROTECT SOIL FROM CONCENTRATED RUNOFF)
 - TURBIDITY CURTAIN PER STD. 3.27
 - (USED TO PROTECT WATERCOURSE FROM SEDIMENTATION DUE TO UPSLOPE LAND DISTURBANCES)
 - TEMPORARY SEEDING PER STD. 3.31
 - (USED WHEN AN AREA IS DISTURBED, BUT WILL NOT RECEIVE PERMANENT SEEDING)
 - PERMANENT SEEDING PER STD. 3.33
 - (USED ON ALL DISTURBED AREAS TO PROVIDE PERMANENT STABILIZATION)
 - WELDING PER STD. 3.36
 - (USED TO COVER ALL SLOTTED AREAS TO PROVIDE REQUIRED GROWING CONDITIONS)
 - TRAIL PRESERVATION AND PROTECTION PER STD. 3.38
 - (INSTALLED THROUGH AREAS TO BE CLEARED AND AREAS TO BE CONSERVED)
 - PERMANENT STABILIZATION:
 - ALL DISTURBED AREAS OUTSIDE OF THE PARKING AREAS AND CANOE/KAYAK LAUNCH SHALL SHALL RECEIVE PERMANENT OR RESTORATION SEEDING. THESE AREAS SHALL BE WATERED EVERY DAY BY CONTRACTOR FOR THE FIRST TWO WEEKS UNTIL GERMINATION AND THEN AS NEEDED THEREAFTER. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A COFFEE STAND OF GRASS/LEGUMES BEFORE APPROVED BY THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.
- STORMWATER RUN-OFF CONSIDERATIONS:**
 - THE PROJECT WILL NOT RESULT IN SIGNIFICANT INCREASE IN THE SITE'S PEAK RUNOFF RATE.
 - THE PROJECT WILL RESULT IN THE FOLLOWING:
 - PRE-DEVELOPED IMPERVIOUS AREA (INCLUDING GRAVEL AREAS) = 2,097 SF
 - PRE-DEVELOPED PERVIOUS AREA (INCLUDING GRAVEL DIRT AREAS) = 16,292 SF
 - POST-DEVELOPED IMPERVIOUS AREA (INCLUDING GRAVEL AREAS) = 7,537 SF
 - NET INCREASE = 5,440 SF (INCLUDES PORTION OF ARTICULATED CONCRETE BULKHEAD (AB) MAT)
- LAND DISTURBANCE:**
 - THE AMOUNT OF LAND DISTURBANCE FOR THIS PROJECT IS APPROXIMATELY 32,142 SF (0.74 AC).

SEQUENCE OF CONSTRUCTION

- INSTALL SILT FENCE AND PERMETER CONTROLS AS SHOWN IN THE PLANS.
- PERFORM NECESSARY CLEARING AND GRUBBING. LIMIT CLEARING TO THE AREA THAT IS PLANNED FOR DISTURBANCE.
- EXCAVATE FOR ADOB MAT AND THEN INSTALL ADOB MAT IN THE "NET". INSTALL PROTECTION ALONG SIDES OF ADOB MAT TO PREVENT EROSION CONTROL.
- GRADE SITE TO SUBGRADE ELEVATIONS WHILE MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES.
- CONSTRUCT HAND LAUNCH PATH AND PAVE PARKING AREA.
- RENOVATE AND UPGRADE WOODEN DOCK AND PIER FACILITIES.
- AFTER ALL IMPROVEMENTS ARE COMPLETE, PERFORM FINAL STABILIZATION OF SITE. USE CONSERVATION AND PERMANENT SEED MIXES TO ESTABLISH CONSERVED OPEN SPACE.
- MAINTAIN EROSION CONTROL MEASURES THROUGHOUT INITIAL CONSTRUCTION WORK.
 - ALL ESC MEASURES WILL BE CHECKED WEEKLY AND WITHIN 48 HOURS OF EACH RAINFALL PRECEDING EVENT BY CERTIFIED RESPONSIBLE LAND DISTURBER.
 - ADDITIONAL ESC MEASURES SHALL BE INSTALLED AS REQUIRED BY THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.
- UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS SHALL BE FINE GRADED AND PERMANENTLY STABILIZED PER THE VESSEL FORM TO SCHEDULE A FINAL INSPECTION.
- REMOVING ESC MEASURES WILL NOT BE REMOVED UNTIL THE LAST STAGE OF CONSTRUCTION AND APPROVAL IS OBTAINED FROM THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.

EROSION & SEDIMENT CONTROL MAINTENANCE NOTES

- IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAINFALL EVENT. MAINTENANCE IS MORE FREQUENT, AND SHOULD BE CLEANED AND REPAIRED ACCORDING TO THE FOLLOWING SCHEDULE:
- EROSION AND SEDIMENT CONTROL WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETACHMENT AND BUILDUP OR CLOGGING WITH SEDIMENT. CORRECTIVE ACTION WILL BE TAKEN IMMEDIATELY.
 - PRELIMINARY INSPECTIONS AND CLEANING OF MUD AND DEBRIS FOUND OUTSIDE OF THE LIMITS OF DISTURBANCE IS REQUIRED, ALONG WITH ANY OTHER REPAIRS REQUIRED BY THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.
 - ALL SLOTTED AREAS WILL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHOULD BE RESEEDING AS NEEDED.
 - ALL TEMPORARY EROSION AND SEDIMENT MEASURES SHALL BE DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED AND VEGETATION IS ESTABLISHED.

MINIMUM STANDARDS

- PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENuded AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENuded AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN EXPOSED FOR LONGER THAN 14 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT BARE FOR MORE THAN ONE YEAR.
- DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTERNATIONALLY TRANSPORTED FROM THE PROJECT SITE.
- PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENuded AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE APPLIED UNLESS ESTABLISHED VEGETATION IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
- SEDIMENT BASINS AND TRAPS, BERMED DRAINS, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP TO ANY LAND-DISTURBING ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT BEFORE UPGRADE. LAND DISTURBANCE TAKES PLACE.
- STABILIZATION MEASURES SHALL BE APPLIED TO EXPOSED STRUCTURES SUCH AS DAMS, DICES AND OVERBOWS IMMEDIATELY AFTER CONSTRUCTION.
- SEDIMENT TRAPS AND SEDIMENT BARRIERS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
 - A. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
 - B. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COVERED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF PROTECTION SHALL BE BASED ON RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.
- CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE CROSSLING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SOIL STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.
- CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
- WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
- ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT AND WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO PREVENT SEDIMENTATION.
- BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL BED SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
- WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENDOCRINEMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE. DURING CONSTRUCTION, NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF APPROVED BY NONERODIBLE COVER MATERIALS.
- WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN THREE (3) METERS PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.
- ALL APPLICABLE FEDERAL, STATE AND LOCAL CHAPTERS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.
- THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
 - A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
 - D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
 - E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THIS CHAPTER.
 - F. APPLICABLE SAFETY CHAPTERS SHALL BE COMPLIED WITH.
- WHERE CONSTRUCTION WORK ACCESS ROUTES INTERSECT DAMS OR PUBLIC ROADS, PROTECTIVE MEASURES SHALL BE TAKEN TO MINIMIZE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SCRAPING AND TRANSPORTED TO A PERMITTED SITE. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION DOES NOT APPLY TO DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY VESSEL AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA. STREAM RESTORATION AND REDUCTION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CRITERIA ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS.

CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.

- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
 - DURING DOWNTOWN OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
 - THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
- GENERAL CONSTRUCTION NOTES**
- UNLESS OTHERWISE SPECIFIED, ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT SPECIFICATIONS AND STANDARDS OF THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES AND THE VIRGINIA DEPARTMENT OF TRANSPORTATION.
 - THE CONTROL OF DRAINAGE DURING CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR AS NEEDED TO MAINTAIN FLOW PATTERNS AND AVOID STAGNO WATER.
 - PRIOR TO CONSTRUCTION OR EXCAVATION, THE CONTRACTOR SHALL ASSESS THE RESPONSIBILITY OF LOCATING ANY UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA OF CONSTRUCTION THAT ARE NOT SHOWN ON THESE PLANS. BEFORE YOU DIG, CALL "MISS UTILITY" OF VIRGINIA AT 1-800-532-7001. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT HIS EXPENSE ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY PAVED DRIVEWAYS, WALKS, CURBS, ETC. THAT MUST BE CUT OR THAT ARE DAMAGED DURING CONSTRUCTION.
 - ALL STORM PIPES, DRAIN INLETS, AND CURB INLETS SHALL BE CLEANED OF DEBRIS AND DROPPED MATERIALS AT ALL STAGES OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE.
 - THE TOPOGRAPHIC SURVEY WAS PERFORMED BY A. MORTON THOMAS AND ASSOCIATES, INC. IN FEBRUARY 2015 AND IS ORIENTED TO GRID NORTH, VIRGINIA STATE PLANE COORDINATE SYSTEM, NAD 83, NORTH ZONE, NAVD 20 11 VERTICAL DATUM.
 - FOR WORK IN PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS AND APPROVALS FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION OR THE TOWN OF WEST POINT.
 - THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN THROUGHOUT THE PROJECT, ALL EROSION AND SLOTTING WORK, AS SHOWN ON THE CONTRACT DRAWINGS. ALL CONTROL METHODS AND DETAILS SHOWN COMPLY WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST EDITION), SEE PLANS FOR LOCATIONS.
 - PERMANENT TRAFFIC SIGNAGE SHALL BE IN ACCORDANCE WITH THE MUTCD AND 2011 VIRGINIA SUPPLEMENT.
- GENERAL UTILITY NOTES**
- THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL ON HIS OWN INITIATIVE LOCATE AND VERIFY ALL UNDERGROUND LINES AND STRUCTURES WITHIN THE PROJECT LIMITS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY 48 HOURS IN ADVANCE OF DIGGING OR DRIVING INTO ANY EXISTING UTILITIES.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH DAMAGE OF SERVICE INTERRUPTIONS TO EXISTING UTILITIES.
- TEMPORARY SEEDING NOTES**
- TABLE 3.31-8 ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS
- | Planting Dates | Species | Rate (lbs./Ac.) |
|-------------------|--|-----------------|
| Sept. 1 - Feb. 15 | 20/50 mix of Annual Ryegrass (Lolium multiflorum) and Annual Ryegrass (Lolium multiflorum) | 80 - 100 |
| Feb. 16 - Apr. 30 | Annual Ryegrass (Lolium multiflorum) | 50 |
| May 1 - Aug. 31 | German Millet (Setaria italica) | 50 |
- SEEDING RATES AND MATERIAL PER VIRGINIA SEDIMENT AND EROSION HANDBOOK
- PERMANENT SEEDING NOTES**
- TABLE 3.32-0 SITE SPECIFIC SEEDING MIXTURES FOR THE TOEWATER AREA
- | General (3:1 or less) | Total lbs./Ac. |
|--|----------------|
| -Kentucky 31 Fescue | 128 lbs. |
| -Red Top Oress | 2 lbs. |
| -Seasonal Nurse Crop* | 100 lbs. |
| Low Maintenance Grass (Steeper than 3:1) | |
| -Kentucky 31 Fescue | 63-108 lbs. |
| -0-15 lbs. Annual Bermuda grass** | 2 lbs. |
| -Red Top Oress | 20 lbs. |
| -Seasonal Nurse Crop* | 100 lbs. |
| -Sericea Leporetois** | 100 lbs. |
- * Use seasonal nurse crop in accordance with seeding dates as stated below:
 February, March through April: Annual Ryegrass
 May, June through August: Annual Ryegrass
 September, October through November 15th: Annual Ryegrass
 November 16th through January: Sericea Leporetois
- ** May through October, use hulled seed. All other seeding periods, use unhulled seed. Hulled seed may be added to any acre of low-maintenance mix during warmer seeding periods, seed 10-20 lbs./acre in mixes.
- SEEDING RATES AND MATERIAL PER VIRGINIA SEDIMENT AND EROSION HANDBOOK
- GENERAL EROSION AND SEDIMENT CONTROL NOTES**
- FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, 1992.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 9AVR30-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
 - THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
 - A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
 - PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE VIRGINIA DEPARTMENT OF GAME & INLAND FISHERIES.
 - THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION



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 BOX 11114
 RICHMOND, VIRGINIA 23221



PROJECT TITLE

WEST POINT BOAT LAUNCH IMPROVEMENTS

TOWN OF WEST POINT, VA

REVISIONS

MARK	DATE	DESCRIPTION

AMT FILE NO. 113-272-008
 DATE: May 14, 2015
 SCALE: N/A
 DESIGNED BY: DJR
 DRAWN BY: LAL
 CHECKED BY: DJR

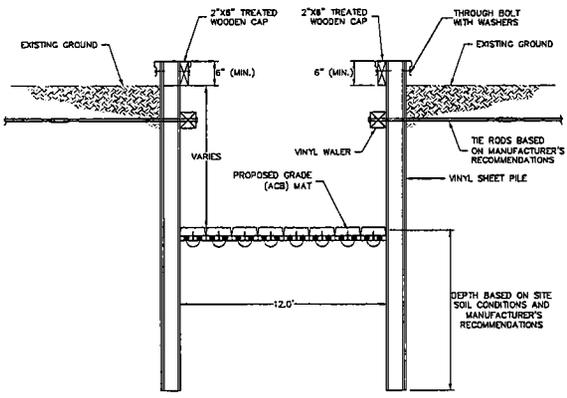
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GENERAL NOTES

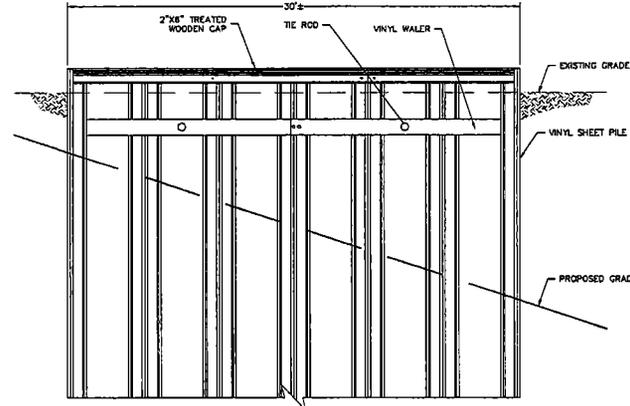
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C2.1

SHEET 3 OF 17



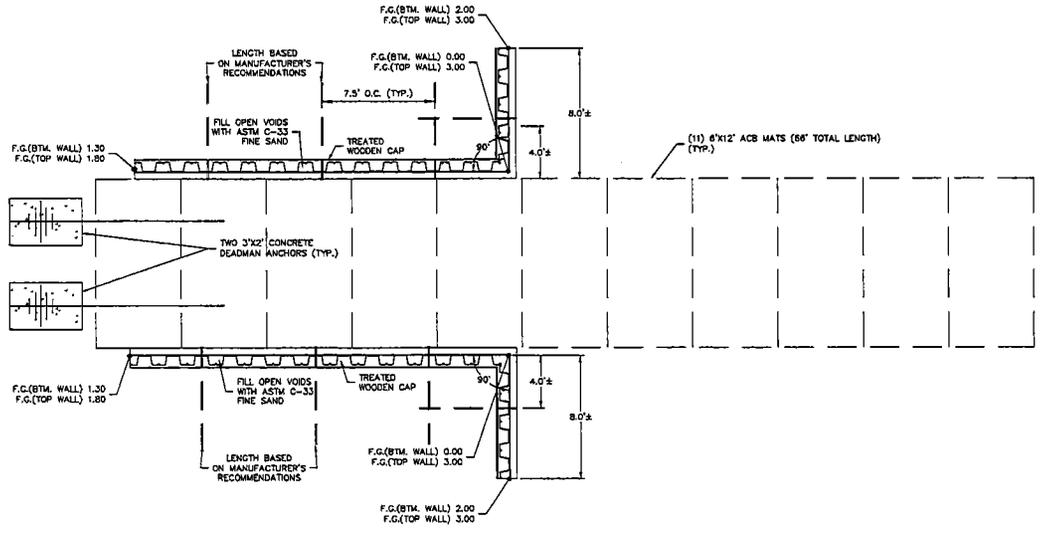
SHEET PILE WALL SECTION VIEW
NTS



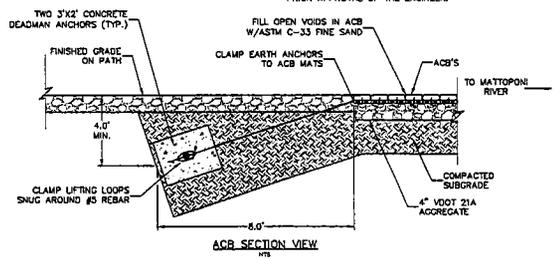
SHEET PILE WALL ELEVATION VIEW
NTS

GENERAL NOTES

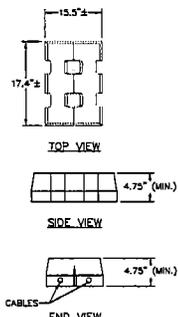
- DESIGN OF THE SHEET PILE RETAINING WALLS SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE ASHRAE 90D DESIGN SPECIFICATIONS, 8TH EDITION AND THE U.S. ARMY CORPS OF ENGINEERS MANUAL FOR DESIGN OF SHEET PILE WALLS (USACE PUBLICATION EM 1110-2-2501). DESIGN COMPUTATIONS AND PLANS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN VIRGINIA AND SUBMITTED TO THE ENGINEER. GLOBAL STABILITY OF THE RETAINING WALL SYSTEM SHALL BE COMPLETED AND SEALED BY A GEOTECHNICAL ENGINEER LICENSED IN VIRGINIA AND SUBMITTED TO THE ENGINEER.
- DESCRIPTION: THIS ITEM SHALL GOVERN FOR FURNISHING AND CONSTRUCTING A VINYL SHEET PILE RETAINING WALL TO HOLD THE SURROUNDING EARTH AND CONSTRUCT TO THE LINES AND GRADES ON THE PLANS AND IN ACCORDANCE WITH THIS ITEM.
- MATERIAL: ALL VINYL SHEET PILING SHALL BE SHOREGUARD VINYL SHEET PILING OR AN ENGINEER-APPROVED EQUAL MEETING THE FOLLOWING REQUIREMENTS: THE SHEET PILING SHALL BE UV INHIBITED, IMPACT MODIFIED, WEATHERABLE, HOOD VINYL AND MEET THE REQUIREMENTS OF ASTM D 750, ASTM D 838, ASTM D 4216, AND ASTM D 4228. THE LENGTH OF SHEET PILING FURNISHED SHALL BE AS INDICATED ON THE PLANS OR AS AUTHORIZED BY THE ENGINEER. COLOR SHALL BE CHOSEN BY DGI.
- RELATED COMPONENTS: THE RODS SHALL BE ASTM F1554 GRADE 55 STEEL. FASTENERS AND PLATE WASHERS SHALL CONFORM TO ASTM A36 STEEL AND SHALL BE HOT DIPPED GALVANIZED PER ASTM A 153. ALL TIMBER SHALL MEET ANWA STANDARD C3, TUBERY (2x8) FURNISHED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ITEM 408, "TIMBER PILING" AND ITEM 482, "TIMBER PRESERVATIVE AND TREATMENT".
- STORAGE AND HANDLING: AT ALL POINTS, SUITABLE PRECAUTIONS SHALL BE TAKEN TO PREVENT BREAKAGE, SPLITTING, WARPING, DISTORTION OR ANY DAMAGE THAT MAY CAUSE THE PILING TO BE REJECTED. THE PILING SHALL BE HANDLED WITH WILCOX ROPE SLINGS OR BY HAND.
- DRIVING EQUIPMENT: DRIVING EQUIPMENT SHALL BE ANY OF THE FOLLOWING EQUIPMENT: 300 TO 3,500 POUND DROP HAMMER, APC, VULCAN, OR ICE VIBRATORY HAMMER, VIBRATORY PLATE COMPACTOR, CONCRETE BREAKER WITH DRIVING HELMET, WATER JET, RAIL JET, OR 80 LB. AIR HAMMER. NO OTHER EQUIPMENT WILL BE ACCEPTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- TOLERANCE FOR DRIVING: ALL SHEET PILING SHEETS SHALL BE PLUMB IN BOTH DIRECTIONS USING A CARPENTER'S LEVEL. A TEMPORARY TIMBER WALL TEMPLATE SHALL BE USED TO MAINTAIN PLUMBNESS OF THE SHEET PILE WALL.
- PROTECTION OF SHEET PILING: A STEEL DRIVING HEAD SUITABLE FOR VINYL SHEET PILING SHALL BE USED AS NECESSARY. IF THE TOP OF THE SHEET PILING IS BEING DAMAGED DURING DRIVING, TUBER CUSHION BLOCKS SHALL BE USED TO PROTECT THE SHEET PILING FROM DAMAGE DURING DRIVING. THE THICKNESS OF THE CUSHION BLOCK AND THE NUMBER OF DRIVES PER CUSHION BLOCK SHALL BE DETERMINED BY THE CONTRACTOR.
- CUT-OFFS: ALL SHEET PILING SHALL BE DRIVEN TO THE ELEVATIONS AS SHOWN ON THE PLANS. NO CUT-OFFS SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ENGINEER.



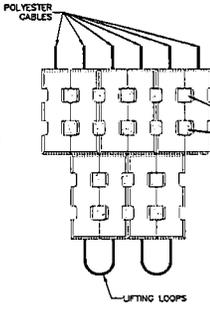
SHEET PILE WALL PLAN VIEW
SCALE: 1"=4'



ACB SECTION VIEW
NTS



END VIEW
BLOCK SIZE SHALL BE DETERMINED BY MANUFACTURER BASED UPON INTENDED USE.



ACB PLAN VIEW
NTS

- ACB NOTES:**
- ELEVEN (11) 13'x8' ACB MATS ARE PLANNED.
 - BLOCK DIMENSIONS ARE APPROXIMATE.

FILL OPEN CELLS IN ACB WITH ASTM C-33 FINE SAND

ARTICULATED CONCRETE BLOCK (ACB) MAT
NTS



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401 WEST BROOK STREET
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REGISTRATION STAMP



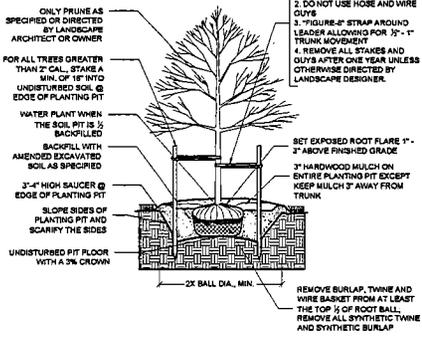
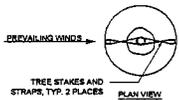
PROJECT TITLE
WEST POINT BOAT LAUNCH IMPROVEMENTS
TOWN OF WEST POINT, VA

REVISIONS		
MARK	DATE	DESCRIPTION

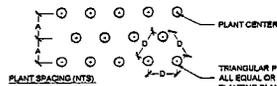
AMT FILE NO. 113-072.008
DATE May 14, 2015
SCALE: AS NOTED
DESIGNED BY: DJR
DRAWN BY: LAL
CHECKED BY: DJR

SHEET TITLE
DGIF HAND LAUNCH ACB MAT AND VINYL SHEET PILE DETAILS

SHEET
C2.7
SHEET 9 OF 17

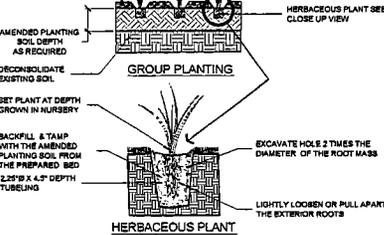


1 STANDARD DECIDUOUS TREE PLANTING
NOT TO SCALE
DETAL-FILE 32 9301-01

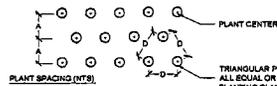


SPACING (FT)	ROW X A'	PLANTS PER 10 SQ. FT.
8" O.C.	6.87'	28
12" O.C.	10.4"	11.8
18" O.C.	15.6"	5.12
24" O.C.	20.8"	2.9
36" O.C.	30.0"	1.28

NOTE: QUANTITY OF PERENNIALS AND SPACING AS NOTED IN PLANT SCHEDULE

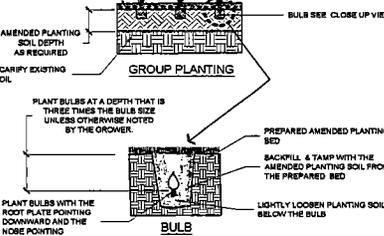


2 HERBACEOUS TUBELING/ PLUG PLANTING DETAIL
NOT TO SCALE 32 9301-01



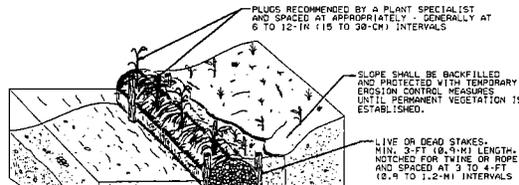
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24" O.C.	20.8"	2.9
36" O.C.	30.0"	1.28

NOTE: QUANTITY OF BULBS AND SPACING AS NOTED IN PLANT SCHEDULE



3 CONTAINERIZED SHRUB PLANTING
NOT TO SCALE 32 9333-02

4 BULB PLANTING DETAIL
NOT TO SCALE 32 9301-03



5 NATURAL FIBER ROLLS - SECTION (TYP.)
NOT TO SCALE

RESTORATION SEED MIX

ERNIX #ERINIX-188
RATED 10 LB PER ACRE
MIX TYPE SOUTH-EASTERN U.S. SITES SPECIES LIST

- 4% SULPHUR COSMOS (COSMOS SULPHUREUS)
- 4% COSMOS (COSMOS BIPINNATUS)
- 4% SCARLET FLAX (LINUM GRANDIFLORUM RUBRUM)
- 4% ROCKET LARKSPUR (DELPHINIUM AJACIS)
- 7% LANCELEAF COREOPSIS, COASTAL PLAIN NC ECOTYPE (COREOPSIS LANCEOLATA, COASTAL PLAIN NC ECOTYPE)
- 7% PURPLE CONEFLOWER (ECHINACEA PURPUREA)
- 7% LARGEFLOWER TICKSEED, PIEDMONT GA ECOTYPE (COREOPSIS GRANDIFLORA, PIEDMONT GA ECOTYPE)
- 4% BACHELOR'S BUTTON TALL MIXED/CONFLOWER (CENTAUREA CYANUS, TALL MIXED)
- 4% CONFLOWER (BACHELOR'S BUTTON) (CENTAUREA CYANUS)
- 4% PERENNIAL GALLARDIA (BLANKETFLOWER) (GALLARDIA ARISTATA)
- 4% ANNUAL GALLARDIA (INDIAN BLANKET) (GALLARDIA PULCHELLA)
- 3% BLACKHEADED SUSAN, COASTAL PLAIN NC ECOTYPE (RUDIBECKIA HIRTA, COASTAL PLAIN NC ECOTYPE)
- 2% SPIKED WILD INDIGO, NC ECOTYPE (BAPTISIA ALBESCENS, NC ECOTYPE)
- 2% ANNUAL BABY'S BREATH (DIPSOSAULA ELEGANS)
- 2% TREE MALLOW (LAVATERA TRIMESTRIS)
- 2% SWEET ALYSSUM (LOBULARIA MARITIMA)
- 4% WILD GERANIUM, NC ECOTYPE (PARTRIDGIUM INTEGRIFOLIUM, NC ECOTYPE)
- 4% SHOWY ASTER, NC ECOTYPE (ASTER SPECTABILIS, NC ECOTYPE)
- 4% PLAINS COREOPSIS (COREOPSIS TINCTORIA)
- 4% TALL IRONWEED, SC ECOTYPE (VERNONIA ANGUSTIFOLIA, SC ECOTYPE)
- 4% CORN POPPY/SHIRLEY MIX (PAPAVER RHOEAS, SHIRLEY MIX)
- 4% SPURRED SNAPERAGON (NORTHERN LIGHTS) (LINARIA MAROCCANA)
- 4% CATCHFLY (SILENE ARBUSTIVA)
- 4% CLASPING CONEFLOWER (RUDIBECKIA AMPLEXICAULIS)
- 4% ANNUAL PHLOX (PHLOX DRUMMONDI)
- 4% POPPY, CORN, RED (PAPAVER RHOEAS, RED)
- 4% SPOTTED BEEBALM, COASTAL PLAIN SC ECOTYPE (MONARDA PUNCTATA, COASTAL PLAIN SC ECOTYPE)
- 4% SLENDER BUSHCLOVER, VA ECOTYPE (LESPEDEZA VIRGINICA, VA ECOTYPE)
- 4% SENSITIVE PEA, NC ECOTYPE (RHAMNOCYSTIS NICTITANS, NC ECOTYPE)

PLANTING NOTES

- THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY, AND ANY OTHER INFORMATION SHOWN IS FOR REFERENCE ONLY. SEE SITE PLAN FOR INFORMATION ABOUT ALL LAYOUT, GRADING AND OTHER SITE IMPROVEMENTS.
- CALL MISS UTILITY AT 1-800-302-7001 TO MARK UTILITIES AT LEAST 48 HOURS BEFORE DIGGING.
- ALL MATERIALS AND PLANTING PROCEDURES EXCEPT AS OTHERWISE NOTED SHALL CONFORM TO THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" BY THE LANDSCAPE CONTRACTORS ASSOCIATION 40-DC-VA.
- PLANTS SHALL CONFORM TO THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1)
- PLANT NAMES SHALL BE THOSE GIVEN IN THE LATEST EDITION OF STANDARD PLANT NAMES, AMERICAN COMMITTEE ON HORTICULTURAL NOMENCLATURE.
- THE CONTRACTOR SHALL SUBMIT REPRESENTATIVE SOIL SAMPLES FROM BOTH 0-8" SOILS AND SOILS BROUGHT IN FROM OFF-SITE TO A STATE LICENSED TESTING LABORATORY. THE CONTRACTOR SHALL INCORPORATE OR APPLY SOIL AMENDMENTS AND FERTILIZATION BASED UPON RESULTS OF THE SOIL TESTS AND RECOMMENDATIONS BY THE TEST LAB.
- THE CONTRACTOR SHALL STAKE OUT ALL PLANTING BIDS AND TREE LOCATIONS FOR APPROVAL BY THE LANDSCAPE DESIGNER OR OWNER AND REPRESENTATIVE BEFORE DIGGING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND COORDINATE PLANTINGS WITH ALL EXISTING UTILITIES. IF DISCREPANCIES OCCUR BECAUSE OF UTILITY LOCATIONS OR OTHER EXISTING CONDITIONS THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY TO COORDINATE ANY NECESSARY ADJUSTMENTS.
- ALL PLANT MATERIAL SHALL BE LABELED BY THE NURSERY AND DELIVERED WITH LABELS IN PLACE FOR INSPECTION. SUBSTITUTIONS IN PLANT SPECIES OR SIZE WILL NOT BE PERMITTED EXCEPT WITH THE APPROVAL OF THE LANDSCAPE DESIGNER AND THE TOWN OF WEST POINT. DO NOT PRUNE UNTIL PLANT MATERIAL HAS BEEN PLANTED BUT AS SOON THEREAFTER AS IS ADVISABLE UNDER STANDARD HORTICULTURAL PRACTICES. FOR TREE PRUNING AND CARE METHODS PLEASE REFER TO THE NATIONAL ARBORIST STANDARDS, LATEST EDITION.
- IT IS OF UTMOST IMPORTANCE THAT ALL PLANT MATERIAL BE SET SLIGHTLY HIGHER IN RELATION TO GRADE THAN IT WAS GROWN IN THE NURSERY AND WITH GOOD EARTH TO ROOT CONTACT. ANY MATERIALS OR WORK MAY BE REJECTED BY THE LANDSCAPE DESIGNER IF IT DOES NOT MEET THIS OR ANY OTHER REQUIREMENT OF THE SPECIFICATIONS. REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
- IN CASE OF DISCREPANCIES BETWEEN QUANTITIES ON THE PLANT LIST AND THE PLAN, THE PLAN SHALL GOVERN.
- SEED BARRIERS ARE REQUIRED BY OWNER FOR ALL DISTURBED AREAS TO BE STABILIZED THAT ARE NOT LANDSCAPED OR COVERED.
- APPLY 3-INCH BLANKET OF SPECIFIED COMPOST PRIOR TO SEED APPLICATION. FIRST FILL EXISTING SOIL TO A DEPTH OF 8-INCHES TO LOOSEN SOIL AND KILL TURF. COMPOST SHALL BE LEAFMUD COMPOST AVAILABLE FROM THE MARYLAND ENVIRONMENTAL SERVICE WHICH MAINTAINS A LISTING OF RETAIL DISTRIBUTORS. PHONE: 410-728-8830/ TOLL-FREE 888-41-HUMUS FAX: 410-728-8840 OR AN APPROVED EQUAL. THE PAPER WORK, SAMPLES AND U.S. COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE PROGRAM (STA) CERTIFICATIONS FOR ALL ALTERNATES SHALL BE SUBMITTED AND APPROVED PRIOR TO PURCHASE. ALTERNATES MUST BE STA APPROVED BY THE U.S. COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE PROGRAM.
- BROADCAST, PUMP OR HAND SEE AT 1/2 LB./1000 SF AND ANNUAL RYE (LOLIUM MULTIFLORUM) AT 1 LB./1000 SF ON TOP OF APPLIED 3-INCH BLANKET OF SPECIFIED COMPOST. IMMEDIATELY COVER WITH LIGHT STRAW MULCH FOR STABILIZATION AND MOISTURE RETENTION. ELIMINATE STRAW IF THE SEED IS INTEGRATED INTO THE COMPOST AND PUMPED ON. SUBSTITUTE WINTER WHEAT FOR ANNUAL RYE IF SEEDING AFTER OCTOBER 1. RESEED AND MULCH ALL AREAS WITH LESS THAN 80% GERMINATION.
- SEED CAN BE PURCHASED THROUGH ERNST CONSERVATION SEEDS AT 8006 WOODRIDGE PKE, MEADVILLE, PENNSYLVANIA 16335; (800) 873-3321 (TOLL FREE); (814) 336-2404 (PHONE); (814) 336-3191 (FAX). THE PAPER WORK, SAMPLES AND CERTIFICATION FOR ALL ALTERNATES SHALL BE SUBMITTED AND APPROVED PRIOR TO PURCHASE.
- THE CONTRACTOR SHALL WATER ALL PLANTS AS SPECIFIED BY OWNER.

AMT

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REGISTRATION STAMP



PROJECT TITLE

WEST POINT
BOAT LAUNCH
IMPROVEMENTS
TOWN OF WEST POINT, VA

REVISIONS

MARK	DATE	DESCRIPTION

AMT FILE NO. 113-272.008
DATE: May 14, 2015
SCALE: 1" = 30'
DESIGNED BY: DJR
DRAWN BY: LAL
CHECKED BY: DJR

SHEET TITLE

LANDSCAPE
DETAILS AND
NOTES

SHEET
C6.1
SHEET 17 OF 17

COOPERATIVE AGREEMENT BOATING ACCESS MAINTENANCE RESPONSIBILITIES

1. PURPOSE

To provide a functional, clean and cosmetically appealing boating access facilities to the boating public at all times;

To proactively detect, correct, and prevent minor faulty conditions from escalating into major and costly repairs.

2. FORWARD

With a current inventory exceeding 225 public boat landings and with increasing numbers each year, our efforts to maintain each facility in a functional clean and appealing condition continues to be a challenge. These landings are either Department owned, leased or cooperatively developed and managed. The Department of Game and Inland Fisheries is committed to the capital investment in public boat landings. The job is a continuing one, demonstrating to the boating public our interest in their welfare through wise use of their funds by providing serviceable and attractive boating access facilities.

3. PROGRAM DESCRIPTION

Expectations. The local cooperator implements the Boating Access Maintenance Program (BAMP) and is responsible to manage the maintenance aspects of all public boating access facilities in a proactive manner. A regular and routine quantity of inspections of each facility is required. Each boating access facility shall be maintained in a functional, clean and cosmetically appealing condition at all times. When a defective or deteriorated condition is observed, it shall be corrected immediately or as soon as possible.

Inspections of boating facilities are a continuing assignment according to the Cooperative Agreement in order to proactively maintain all boating facilities. **Each facility shall be inspected as follows:** it shall be inspected once each week; If any facility requires more frequent inspections as the result of conditions being unacceptable, then more frequent inspections are required.

During each inspection, any minor maintenance activity needed shall be conducted at that time. If the maintenance required is of a large scale, it shall be noted and planned for corrective action within 30 days. Each facility shall be maintained according to adopted minimum standards. The inspection process shall verify the minimum standards compliance. If Maintenance required exceeds \$5,000 or would require more than 40 hours of combined time to correct, the Department may be notified and a request for Capital services made. The Department will at that time determine available resources and may provide resources to support the required maintenance needs.

Data sheets shall be kept current on each boating facility in the BAMP inventory. The Data Sheets provide an exact inventory of all entities at each facility and shall be available to Department personnel for review.

Annual Condition Reports will be submitted by the last day of November each year identifying the overall conditions of the facility. An outline of the required information to be submitted is available from the Department.

4. Minimum Standards for Public Access Facilities

Entrance. The entrance to each facility will be maintained in a manner that reflects proper care of the facility. The entrance shall have: suitable and sound surfaces for traffic; the grounds properly cared for; litter free; and with necessary signs in place. Sight distance at the road from the entrance shall be maintained to an acceptable condition. In general, the conditions will be 10 feet for every mile per hour of the speed limit, ex: 350' @ 35 mph., 500' @ 50 mph., etc...

Signs leading the public to each facility shall be maintained in a condition that easily directs the public. They shall be legible and correctly placed with signpost being vertical and signs properly attached with suitable hardware. Regulation signs shall be present and placed where necessary for the user to easily view the sign. The number of signs is site specific to direct the public to the facilities and advise the public of restrictions for use of the property. If the facility is cooperatively operated, such as in a park, the park authority has the determination of on-site restrictions. Any other signs that are authorized shall

be maintained in a good state of repair. Any unauthorized signs erected on the property without permission shall be removed at the Departments discretion.

Parking lots. Shall be maintained so that the surface does not have depressions, potholes or cracks that are greater than one foot in length for each inch in depth. Any erosion of the parking lots shall be corrected to prevent further damage or expansion of the fault.

Grass shall be considered in two categories. First is the grass immediately next to the parking lot, pier and/or ramp. This grass shall be maintained litter free and at a height of not less than two inches and not more than five inches. Secondly, the grass in fields, overflow parking areas or large areas not typically used shall be maintained at a height of not less than two inches and not more than eight inches. In grass areas that are frequently used for parking the grass height should not exceed six inches (fire hazard due to ignition potential from vehicle catalytic converter). Grass areas that are frequently used for parking should be evaluated for gravel overlay.

Property Boundaries shall be marked and maintained where possible and/or identifiable.

Ramps, either concrete or gravel, shall be kept free of debris to allow boaters access to the water. Any cracks, potholes or deteriorated concrete shall be fixed as soon as possible. The end of concrete ramps where a severe drop-off is present shall be fixed with either stone large enough to eliminate the drop-off or by extending the concrete deeper into the water. Any drop-off along the sides of the ramp will also be fixed or eliminated. Undermining of any portion of the concrete will be filled with a suitable material. Gravel ramps shall be maintained to eliminate erosion ruts. Adding gravel-to-gravel ramps shall be needed if mud is surfacing above the gravel. In the case of gravel ramps, a firm non-slip surface shall be maintained. Following high water levels, mud and/or debris shall be removed from the ramps as soon as possible.

Piers materials used in the construction shall be inspected and maintained to be free of weak and/or damaged materials. All hardware used on the piers shall be user friendly. In other words, it shall be maintained to prevent cuts, scrapes, punctures or other offending actions to people and/or watercraft. Deteriorated hardware shall be replaced whenever the condition develops that may result in failure of the structure.

Steps leading to water or at a pier shall be maintained to provide a level surface for which to step. Any mud, grass or other debris shall be removed immediately upon being observed. Hardware used on steps shall be inspected and replaced if necessary.

Boat Slides shall be maintained to the level they were constructed. Broken materials or deteriorated hardware shall be replaced when damaged. Any foreign material deposited on the Slide from high water levels shall be removed immediately.

Bulkheads shall be maintained to serve the purpose they were installed. Bulging or deteriorated bulkheads should be replaced or repaired as soon as possible. Any erosion through the bulkhead shall be corrected with re-application of filter fabric and back-filled. Broken anchors shall be replaced if there appears to be any bulging of the bulkhead or it is apparent that failure will eventually occur.

Gabion Baskets shall be maintained to prevent broken or loose wire from becoming a hazard to those using the facility. Any damage to Gabions, shall be corrected as soon as possible.

Lighting provided at a facility shall be maintained at an operational state unless it has been determined to abandon the lighting. In most cases, an Electrical contractor or Power Company shall be notified for corrective action.

Litter is unacceptable. However, it is understood that litter that has been deposited recently may be present during any inspection. All dumping, debris, and litter must be removed immediately. Any litter that has traveled to adjoining property from the boating access facility shall be removed. If litter is present, it is the Cooperators responsibility to remove such litter.

Shorelines shall be maintained (where practical), to prevent any erosion, property damage, or loss of property along the shoreline. Armoring the shoreline where necessary shall be accomplished as soon as possible.

Drainage features of a facility shall be maintained for that purpose. Any debris or obstruction shall be removed immediately.

Culverts and Ditches shall be maintained free and clear to allow proper flow of water through these areas and prevent backup of water and possible flooding of areas ahead of the obstruction. These items shall be corrected as soon as possible following observation of the faulty condition.

Restroom and Port-a-Jon facilities shall be maintained in an acceptable condition for constituent use. These facilities are usually contracted and shall be the responsibly of the Cooperator to manage of the facilities or the service contractor.

5. Contract Maintenance

Selection of housekeeping terms and conditions are selected based on their competitive rates.

Monitoring and supervising of the housekeeping service is required. Poor performance by a contractor should be immediately remedied. The Cooperator remains responsible for the overall condition of the facility.

Standard compliance. The individual housekeeping service provider shall be required to maintain the service to the minimum maintenance standards.

6. COOPERATIVE AGREEMENTS

Cooperative Agreements are joint agreements whereas the local government body has agreed to provide certain services in exchange for Department support and/or funding towards the development of the facility. In most cases, the agreement requires the local government body to accept the housekeeping services required of the facility. Items such as trash, grass, litter, etc. are generally included in the agreement and responsibility for maintaining these services rest in their operational procedures of the locality.

Inspection. Even in this situation, Department staff is responsible for inspecting these facilities for compliance with the Cooperative Agreement.

Notification of inferior conditions. If unsatisfactory conditions are observed, Department staff will make the first contact with the locality to attempt to resolve the situation.

Conflict Resolution. If the above action fails to get results, the Program Manager is contacted with all pertinent information. Once the Program Manager is notified of this situation, the Program Manager shall contact the locality and seek resolution.

Administrative action. If a satisfactory resolution has not been provided, the Program Manager shall notify the Director of the Office of Capital Programs for instructions to be followed to find the locality in default of the agreement and the subsequent administrative action.

7. SIGNS AT PUBLIC BOAT ACCESS FACILITIES

- a. Each Boat Access Facility shall have directional signs (trailblazers) leading the public to each facility.
- b. Each Boat Access Facility shall have Information signs (regulations) to direct the approved use of each facility.
- c. All signs shall be installed at a height of not less than 7 feet.
- d. All signs shall be maintained legible and erect at all times.
- e. Damaged or weathered signs shall be replaced as soon as possible.
- f. Additional signs at the facility shall only be installed if approved in advance.
- g. Trailblazers must have the approval of the Virginia Department of Transportation prior to installation.

8. FLOOD AND EMERGENCY RESPONSE

Flood:

It shall be the responsibility of the Cooperator staff to evaluate any damage to any of the facility following flooding and/or high water.

- a. As soon as floodwaters or high water levels drop to a reasonable level to determine damage, the Cooperator staff shall respond to review each boating facility and report any related damage.
- b. As soon as water levels permit, repair activity of damaged facilities shall be initiated.

Emergency Response:

- a. At any time, the Cooperator or Department can direct staff to respond to emergency operations.
- b. Assistance to other Agencies responding to emergencies from the facility shall be rendered when requested.
- c. Any assistance rendered must be reported to the Department as soon as possible (before or during if possible).