



- ## CONSTRUCTION SEQUENCE NOTES
1. PRIOR TO EXCAVATION AND CAPPING ACTIVITIES, CONSTRUCT AND STABILIZE TEMPORARY DRAINAGE STRUCTURES (PIPE SLOPE DRAINS OR EQUIVALENT) DURING CONSTRUCTION. IF DEEMED NECESSARY UNDER THE DIRECTION OF THE LICENSED SITE PROFESSIONAL OR ENGINEER, A GEOTEXTILE MEMBRANE MAY BE DEEMED NECESSARY TO PROTECT THE SLOPE FROM DAMAGE (EXISTING EMBANKMENT), THE DETERMINATION WILL FALL UNDER THE LICENSED SITE PROFESSIONAL OR ENGINEER.
 2. IN CONCURRENT WITH SITE PREPARATION ACTIVITIES, A LICENSED SURVEYOR WILL BE ONSITE TO MARK THE LIMITS OF PROPOSED CAP AND EXCAVATION AS INDICATED ON THIS PLAN.
 3. VEGETATION CLEARING AND GRUBBING WILL OCCUR IN THE WETLAND PRIOR TO CONSTRUCTION ACTIVITIES AS NECESSARY. CLEARING ACTIVITIES WILL BE UNDER THE DIRECTION OF ONSITE PORTA-DAM TECHNICIAN. PORTA-DAM WILL BE INSTALLED AS INDICATED IN THIS FIGURE AND UNDER THE SUPERVISION OF ONSITE PORTA-DAM TECHNICIAN. PORTA-DAMS TO BE INSTALLED SIMULTANEOUSLY FOR ALL THREE EXCAVATIONS AS SHOWN ON THIS FIGURE. CROSS SECTION OF PORTA-DAM IS SHOWN ON DRAWING 3.
 4. DEWATER THE EXTENT OF THE WORK AREA AS SHOWN ON THIS FIGURE; ALL PONDED WATER SHALL BE COMPLETELY REMOVED. WATER WILL BE PUMPED FROM THE DEWATERED AREA TO FRAC TANK, THEN PUMPED THROUGH SEDIMENT FILTERS WHICH WILL BE THEN DISCHARGED INTO THE WETLAND AS DIRECTED BY THE LICENSED SITE PROFESSIONAL OR REGISTERED ENGINEER. DEWATERING OPERATIONS MAY BE REQUIRED OVER A 24 HOUR PERIOD IF REQUIRED, WHICH WILL BE MANNEED BY A QUALIFIED OPERATOR OR OPERATORS.
 5. CONSTRUCTION SHALL BEGIN BY PERFORMING CAPPING ACTIVITIES IN THE SOUTHERN SECTION OF THE WETLAND (AREAS 1 AND AREAS 2). CAPPING TO TAKE PLACE AFTER DEWATERING IS COMPLETE AND TO TAKE PLACE SEQUENTIALLY. IF DEWATER ONE AREA, PLACE CAP MATERIAL AND THEN AND MOVE TO NEXT AREA.
 6. MATERIAL COMPOSED OF 3" OF AQUALOK FOLLOWED BY 3" OF AQUALOK FOLLOWED BY 3" OF 1/2" TO 3/4" CRUSHED STONE AGGREGATE MIXTURE. (SEE DRAWING 3 FOR FURTHER DETAILS). AQUALOK AND AGGREGATE WILL BE STAGED ON SITE IN THE STOCKPILE AREA.
 7. EXCAVATE AREA 3 (FOLLOWING SEQUENCES 9 & 10) AS INDICATED ON FIGURE 3. SEDIMENT WILL BE LOADED DIRECTLY ONTO A WATER RIGID ROLL OFF CONTAINER. SEDIMENT WILL BE SAMPLED (PRE-CHARACTERIZATION) FOR OFFSITE DISPOSAL BY ONSITE TRIP PERSONNEL.
 8. MINIMIZE THE AMOUNT OF TIME BY STAGING CONSTRUCTION ACTIVITIES AS MUCH AS PRACTICAL FOR EFFICIENCY IN CAPPING AND EXCAVATION. NATURAL VEGETATIVE BUFFERS OR STRIPS SHOULD BE LEFT IN PLACE WHERE FEASIBLE TO AID IN SEDIMENT RETENTION AND REDUCE EROSION POTENTIAL.
 9. STABILIZATION FOR METALS MAYBE REQUIRED FOR THE SEDIMENT EXCAVATED OUT OF THE TSCA AREA PRIOR TO OFFSITE DISPOSAL. STABILIZATION OF SEDIMENT WILL BE IDENTIFIED VIA TCLP SAMPLING BY THE LICENSED SITE PROFESSIONAL.
 10. MONITOR AND REPORT EROSION CONSTRUCTION MEASURES DAILY IN AREAS OF ACTIVE CONSTRUCTION; OTHERWISE WEEKLY AND AFTER RAINFALL OF 1/2" INCH OR GREATER WITHIN A 24-HOUR PERIOD. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE BARRIER AS INDICATED IN THE SITE PREPARATION NOTES.
 11. DUST MONITORING WILL BE CONDUCTED DURING CONSTRUCTION ACTIVITIES BY ONSITE TRIP PERSONNEL. DUST CONTROL WILL BE PERFORMED BY CONSTRUCTOR IF DUST CONCENTRATIONS EXCEEDS PERMISSIBLE LIMITS AS INDICATED BY THE HEALTH AND SAFETY PLAN (HASP).
 12. REMOVE STOCKPILED SOILS DESTINED FOR OFF-SITE RECYCLING/DISPOSAL AS DIRECTED BY THE LICENSED SITE PROFESSIONAL.
 13. MONITOR PUBLIC ROADS FOR SIGNS OF TRACKING OR SPILLING OF SOIL MATERIAL AND IMMEDIATELY CLEAN UP ANY SPILLED SOIL.
 14. BACKFILL AREAS WITH CLEAN AGGREGATE SOURCED BY THE CITY OF NEW BEDFORD. IF NOT ALREADY PROVIDED, ANALYTICAL RESULTS FOR PCBs IS REQUIRED FOR THE CLEAN AGGREGATE.
 15. REMOVE PORTA-DAM AND EXCAVATION CAPPING AND EXCAVATION ACTIVITIES ARE COMPLETE. PORTA-DAM REMOVAL SHALL BE PERFORMED UNDER THE SUPERVISION OF ONSITE PORTA-DAM TECHNICIAN.
 16. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL UPGRADED AREAS HAVE BEEN PERMANENTLY STABILIZED.

1. ESTABLISH CONSTRUCTION WORKSPACE LIMITS; IDENTIFY AND MARK SENSITIVE UTILITIES/RESOURCES.
2. PERFORM ALL WORK IN ACCORDANCE WITH MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS (2003), AND THE 03-0001 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. INSTALL AND MAINTAIN SEDIMENT BARRIERS SUCH AS SILT FENCING AND/OR OTHER EROSION CONTROL BARRIERS ALONG THE DOWNHILL AS INDICATED ON THIS PLAN. SEDIMENT BARRIER LOCATIONS MAY BE ADJUSTED IN THE FIELD BASED ON SITE CONDITIONS AS DETERMINED BY THE LICENSED SITE PROFESSIONAL OR HIS DESIGNER. STRAW BALES SHALL BE ANCHORED WHERE POSSIBLE, AND SET ON PAEMENT AS NECESSARY TO PREVENT DRIFTING. SLOPE DRAINS (OR EQUIVALENT) SHALL BE CONSTRUCTED TO DIVERT FLOW FROM ROOF DRAINS TO AREA OUTSIDE OF WORK AREA.
4. CONSTRUCT SITE ENTRANCE AND EXIT PADS (IF DEEMED NECESSARY), AND STABILIZE ACCESS WAY SURFACE, PARKING AREAS AND EQUIPMENT STORAGE AND TRAILER STORAGE AREAS WITH STONE OR GRAVEL SUBBASE AS NECESSARY TO MINIMIZE RUTTING AND AVOID PONDING.
7. CONTRACTOR SHALL MARK OUT LOCATIONS AND NOTIFY DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND STANDARDS SET FORTH BY THE CITY OF NEW BEDFORD.
9. PRIOR TO COMMENCING SITE WORK, THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT OF ENVIRONMENTAL STEWARDSHIP TO NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS REQUIRED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
10. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES AND REMOVE ACCUMULATED SEDIMENT DEEMED FOR REMOVAL BY ONSITE TRC PERSONNEL OR APPLICABLE NOTICE OF INTENT DOCUMENTATION.
11. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ALL DRAINAGE SYSTEMS. EROSION CONTROLS SHALL REMAIN IN PLACE UNTIL UPGRADE/AREAS HAVE BEEN STABILIZED.
12. THE CONTRACTOR SHALL INSTALL A DECONTAMINATION AND BOOT WASH AREA TO ACCOMMODATE HEAVY VEHICLES AND PERSONNEL THAT HAVE WORKED IN EXCAVATION AREAS. ALL DECONTAMINATION FLUIDS THAT MAY HAVE BEEN IN CONTACT WITH PCBs SHALL BE COLLECTED BY THE CONTRACTOR AND DISPOSED AS TSCA REGULATED WASTE.
13. CONTRACTOR SHALL INSTALL TEMPORARY 6-FOOT CHAIN-LINK FENCE AS INDICATED ON THIS PLAN. FENCE SECTIONS WILL HAVE SUPPORT FEET AND WILL NOT PENETRATE THE GROUND.
14. ALL SOILS SHALL BE DISLOADED FROM FENCE POSTS AND OTHER DEBRIS DURING CLEARING AND FENCE POST REMOVAL. DISLOADED SOILS WILL THEN BE PLACED BACK INTO THE HOLE FROM WHICH THEY WERE REMOVED. ANY CONCRETE DEBRIS REMOVED DURING FENCE POST REMOVAL WILL BE PLACED IN STOCKPILE AREA OR DUMPSITE FOR REMOVAL BY THE USER OF THE CONTRACT.
15. VEGETATION WILL BE MOVED DOWN OR CUT AS NEEDED BY CONSTRUCTION OPERATIONS ALONG EMBANKMENT AREAS. SMALL TO MEDIUM SIZED VEGETATION WILL BE REMOVED IN THE WETLAND AREA AS REQUIRED BY ONSITE TRC REPRESENTATIVES AND PORTA-DAM ONSITE TECHNICIAN.
16. EXISTING UTILITY CUTOFFS FOR PROPERTY ACCESS, OR STEEL PLATING SHALL BE UTILIZED IF NECESSARY TO AVOID DAMAGE TO EXISTING CURBING.
17. IN PLACE OF THE CONSTRUCTION ENTRANCE/EXIT PAD ON HATHAWAY BOULEVARD THE CONTRACTOR MAY SUBMIT HIS OR HER OWN MEETING THE SAME PERFORMANCE STANDARDS FOR VEHICLE TRACKING AND CLEANING/DECONTAMINATION.
18. PROPERTY OWNERS AND POINTS OF TANGENCY IDENTIFIED ON THIS PLAN SHALL BE LOCATED AND MARKED BY A LICENSED PROFESSIONAL LAND SURVEYOR PRIOR TO THE START OF WORK.
19. EXISTING FENCE POSTS, ASPHALT, BRICK, CONCRETE, AND OTHER DEBRIS REMOVED FROM AREAS OF KNOWLEDGE TO CONTAIN PCBs AND/OR OTHER PCBs OR TO BE MANAGED AS TSCA-REGULATED WASTE, UNLESS PROVEN OTHERWISE THROUGH ANALYTICAL SAMPLING PERFORMED BY THE CONTRACTOR.
20. CONSTRUCTION SEQUENCE NOTES CAN BE FOUND ON THIS SHEET

- ASSUME 1.4 TONS IN A CY
- APPROXIMATELY 22 LB/SF OF AQUABLOK REQUIRED
- BASED ON VENDOR PROVIDED INFORMATION
- ASSUME THAT TSCA EXCAVATION IS COMPLETELY BACK FILLED
- WITH AQUABLOK, AND USE 85 LB/CF OF AQUABLOK REQUIRED BASED ON
- VENDOR PROVIDED INFORMATION, VOLUME ADDED TO TOTAL CAPPED AREA
- AGGREGATE CALCULATED FROM TOTAL TONS OF AQUABLOK MINUS AGGREGATE

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