

SITE DETAIL MAP

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM

NOTE PER DEM:

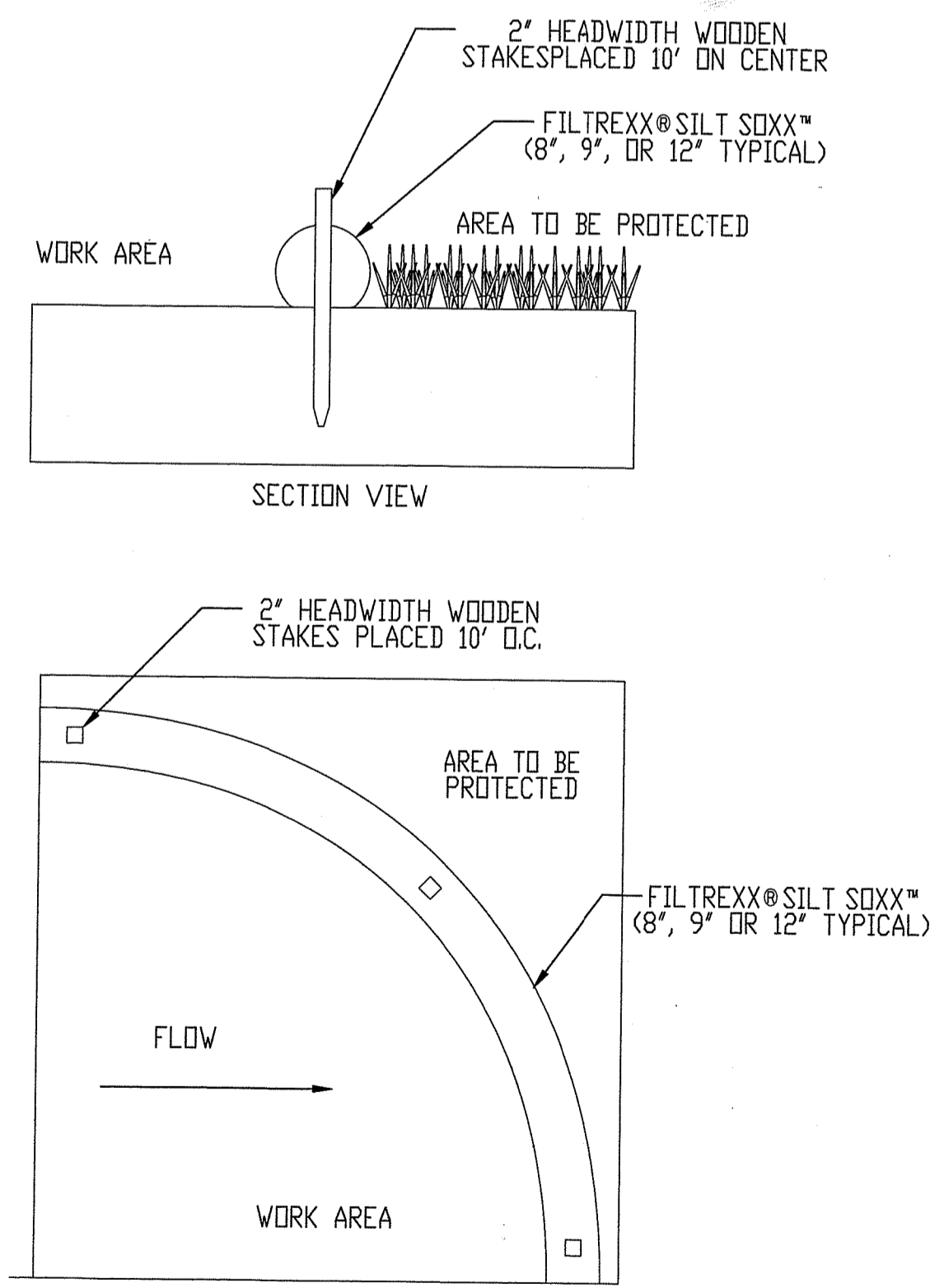
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site

GENERAL NOTES:

1. THE SITE IS LOCATED IN THE TOWN OF RICHMOND ON ASSESSORS MAP 3B LOT 1-1. THE ADDRESS IS 94 WOOD RIVER DRIVE RICHMOND, RI.
2. THE PROPERTY LINES SHOWN ARE FROM BEST AVAILABLE SOURCES INCLUDING TOWN OF RICHMOND GIS AND SHOULD BE CONSIDERED APPROXIMATE. THE SITE IS APPROXIMATELY 12.66± ACRES AND IS ZONED COS.
3. THE OWNER OF THIS LOT IS:
THE TOWN OF RICHMOND
5 RICHMOND TOWNHOUSE ROAD
WYOMING, RI 02898
4. THE THE SITE IS LOCATED IN FEMA ZONE AE AND ZONE X (44009C0062J EFFECTIVE DATE 4/3/2020). FEMA LINES ARE NOT DISPLAYED ON THIS MAP. ALL WORK IS LOCATED WITHIN ZONE X.
5. THE LIMIT OF DISTURBANCE IS LOCATED WITHIN A NATURAL HERITAGE AREA. PLEASE SEE ENCLOSED RIDEM NATURAL HERITAGE REPORT FOR MORE INFORMATION.
6. WETLANDS IN THIS AREA HAVE BEEN LOCATED BY AVIZINIS ENVIRONMENTAL SERVICES INC. WETLAND REPORT IS ENCLOSED FOR REVIEW. WETLAND FLAGS HAVE BEEN LOCATED USING A HANDHELD GPS AES STAFF HAVE LOCATED THE WETLAND FLAGS AND OTHER PERTINENT SITE FEATURES WITH A JUNIPER GEODE SUBMETRIC GPS/GNSS.
7. SOILS ONSITE WITH THE LIMIT OF DISTURBANCE ARE Hkc and Hkd. SOIL LINES ARE NOT DISPLAYED ON THIS SITE PLAN.
8. AERIAL PHOTOGRAPHS AND USGS LOCUS MAPPING SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THESE IMAGES HAVE NOT BEEN ORTHO CORRECTED.
9. THE LIMIT OF DISTURBANCE SHOWN HAS BEEN STAKED OUT WITH LEICA HANDELD GPS FLX100.
10. THE APPLICANT IS UNDER A CONSENT AGREEMENT WITH RHODE ISLAND DEPARTMENT OF HEALTH TO INSTALL A 4LOG CHLORINATION SYSTEM FOR PUBLIC WATER SYSTEM R1000040. THE PURPOSE OF THIS PROJECT IS TO TRENCH A CONNECTION FOR CHLORINE AND PH ADJUSTMENT TO THE EMERGENCY VAULT SHOWN ON THE PLANS BELOW. IN THE EVENT THAT THE PRIMARY WELL (LOCATED WITHIN THE PUMP HOUSE) NEEDS TO BE SHUT DOWN FOR REPAIRS OR OTHER REASONS THE EMERGENCY VAULT WILL BE ACTIVATED AND WILL HAVE THE PROPOER CHEMICAL INJECTION IN PLACE TO SAFELY PROVIDE DRINKING WATER TO COMMUNITY. PROVIDING A CHEMICAL FEED IN THE EMERGENCY VAULT IS A REQUIREMENT FROM RIDOH.

EROSION CONTROL NOTES:

1. THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS. ADDITIONAL PROTECTION: ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
3. CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT.
5. CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.
7. IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF WORK.
8. SPRINKLE OR APPLY DUST (WATER TRUCK) SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES MAY BE UTILIZED UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
9. ALL WETLAND AND VERNAL POOL RESOURCES MUST BE PROTECTED FROM SEDIMENTS DURING TRENCH EXCAVATION.
10. THE CONTRACTOR MUST COMPLY TO ANY ORDER OF CONDITIONS THAT MAY BE ISSUED BY THE TOWN OF RICHMOND OR RIDEM PERM



FILTREXX SILTISOXX DETAIL

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAY 16 2024 FILE #: 24-0078
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

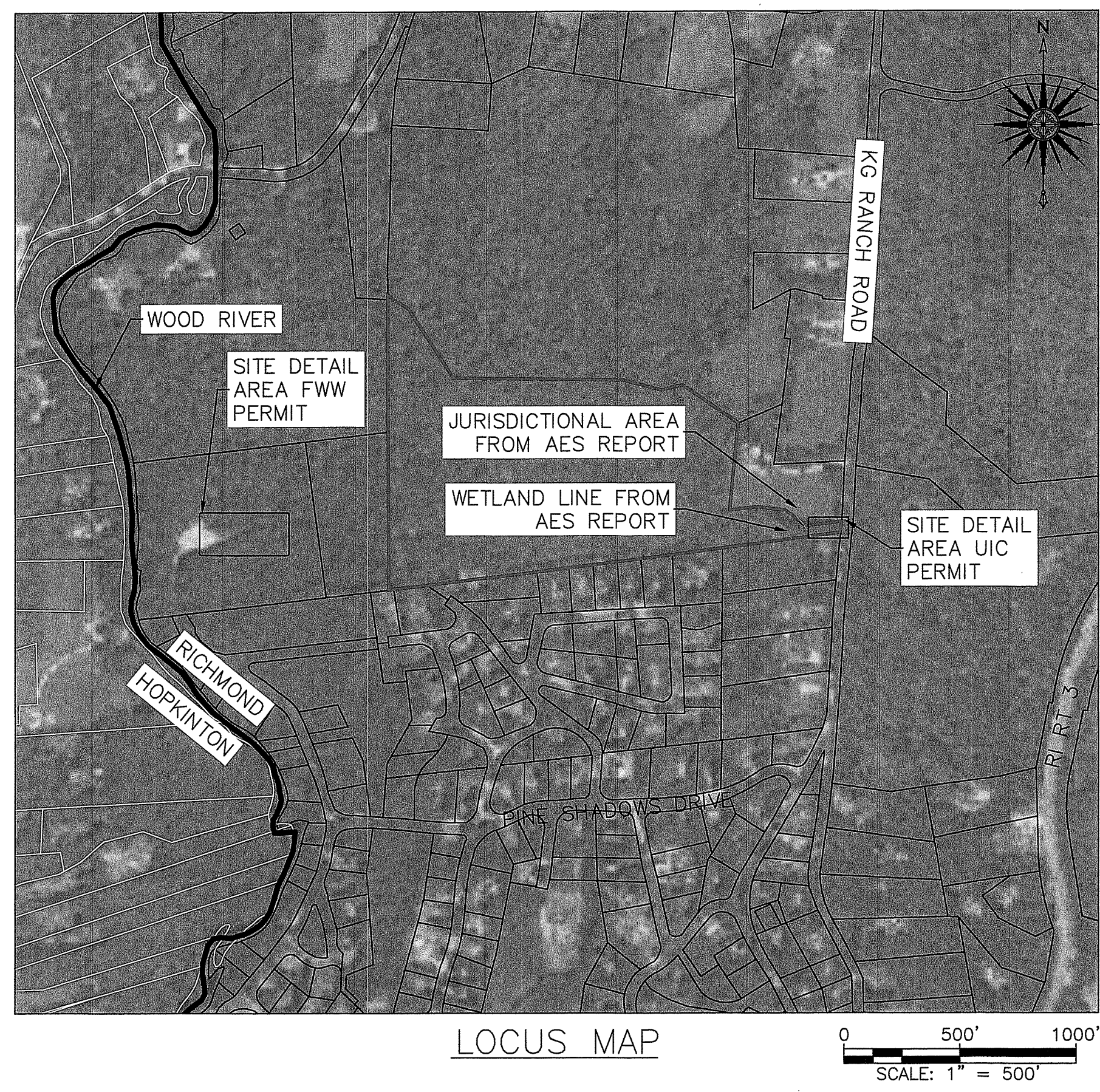
REVISION	DATE	DESCRIPTION	BY	APP
0	4/5/24	RICHMOND 4 LOG CHLORINATION - WETLAND PLAN	SEK	SEK

SHEET NAME	RICHMOND 4LOG CHLORINATION - WETLAND PLAN
CLIENT	THE TOWN OF RICHMOND
PROJECT	RICHMOND 4LOG CHLORINATION

STEVEN KOHM
4/15/2024
No. 12177
REGISTERED PROFESSIONAL ENGINEER
S.K.

NWST
NORTHEAST
Water Solutions
INC.

SHEET NUMBER
1 OF 1
APR 23 2024
RI Environmental Management
Office of Water Resources

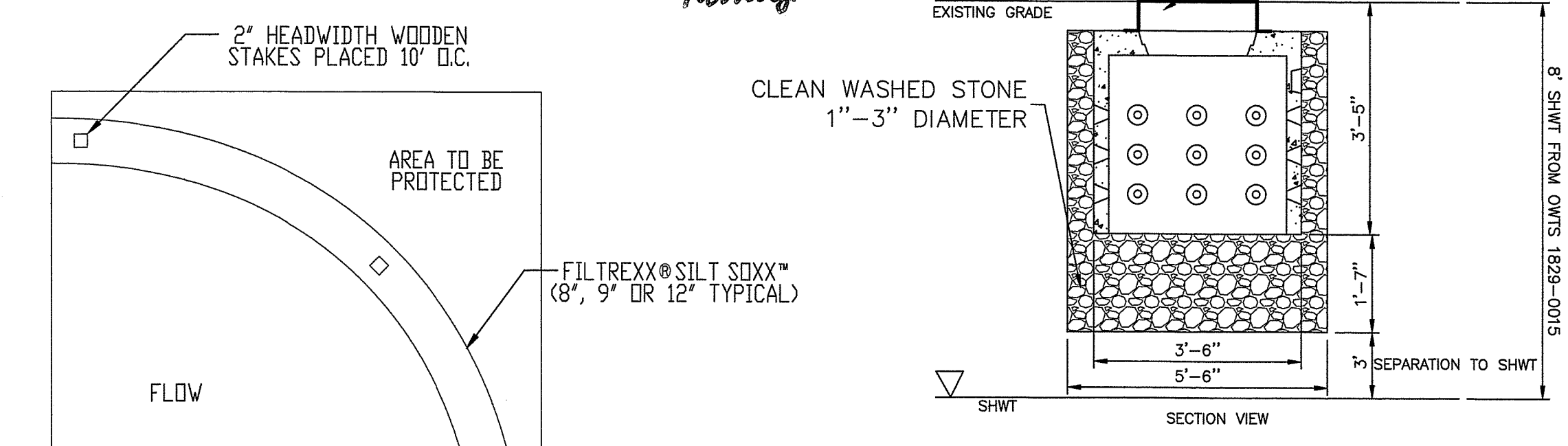
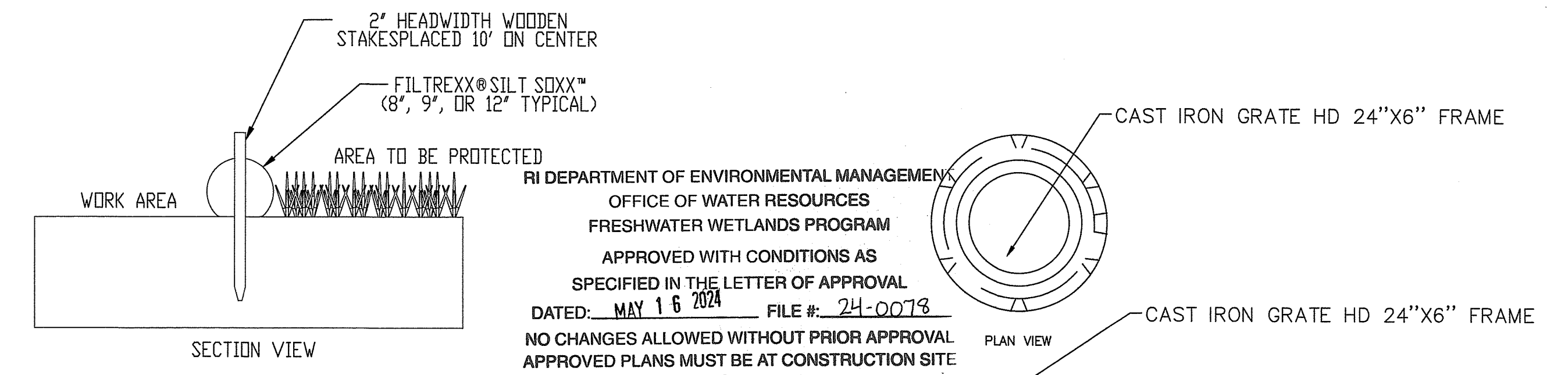


GENERAL NOTES:

1. THE SITE IS LOCATED IN THE TOWN OF RICHMOND ON ASSESSORS MAP 3B LOT 2-1.
2. THE PROPERTY LINES SHOWN ARE FROM BEST AVAILABLE SOURCES INCLUDING TOWN OF RICHMOND GIS AND SHOULD BE CONSIDERED APPROXIMATE.
3. THE OWNER OF THIS LOT IS:
THE TOWN OF RICHMOND
5 RICHMOND TOWNHOUSE ROAD
WYOMING, RI 02898
4. THE THE SITE IS LOCATED IN FEMA ZONE AE AND ZONE X (44009C0062J EFFECTIVE DATE 4/3/2020). FEMA LINES ARE NOT DISPLAYED ON THIS MAP. ALL WORK IS LOCATED WITHIN ZONE X.
5. WETLANDS IN THIS AREA HAVE BEEN LOCATED BY AVIZINS ENVIRONMENTAL SERVICES INC. WETLAND REPORT IS ENCLOSED FOR REVIEW. WETLAND FLAGS HAVE BEEN LOCATED USING A HANDHELD GPS AES STAFF HAVE LOCATED THE WETLAND FLAGS AND OTHER PERTINENT SITE FEATURES WITH A JUNIPER GEODE SUBMETRIC GPS/GNSS. THIS WORK IS NOT IN A JURISDICTIONAL AREA AS SHOWN ON LOCUS MAP.
6. AERIAL PHOTOGRAPHS AND USGS LOCUS MAPPING SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THESE IMAGES HAVE NOT BEEN ORTHO CORRECTED.
7. THE APPLICANT IS UNDER A CONSENT AGREEMENT WITH RHODE ISLAND DEPARTMENT OF HEALTH TO INSTALL A 4LOG CHLORINATION SYSTEM FOR PUBLIC WATER SYSTEM RI1000040. THE PURPOSE OF THIS PROJECT IS TO TRENCH A CONNECTION FOR CHLORINE AND PH ADJUSTMENT TO THE EMERGENCY VAULT SHOWN ON THE PLANS BELOW. IN THE EVENT THAT THE PRIMARY WELL (LOCATED WITHIN THE PUMP HOUSE) NEEDS TO BE SHUT DOWN FOR REPAIRS OR OTHER REASONS THE EMERGENCY VAULT WILL BE ACTIVATED AND WILL HAVE THE PROPER CHEMICAL INJECTION IN PLACE TO SAFELY PROVIDE DRINKING WATER TO COMMUNITY. PROVIDING A CHEMICAL FEED IN THE EMERGENCY VAULT IS A REQUIREMENT FROM RIDOH.

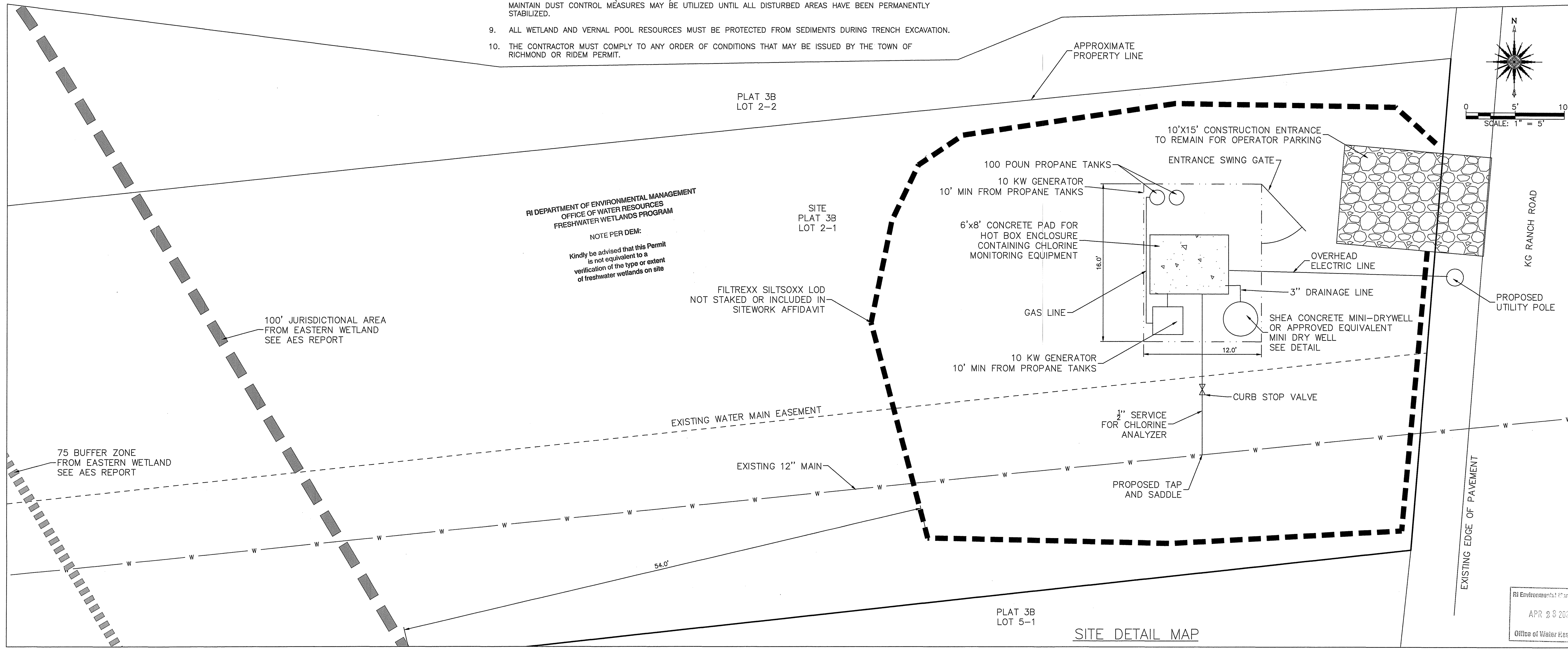
EROSION CONTROL NOTES:

1. THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE. SILT WILL NOT BE ALLOWED BEYOND CONSTRUCTION LIMITS. ADDITIONAL PROTECTION: ON-SITE PROTECTION MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE SUFFICIENT EROSION AND SEDIMENT CONTROL, ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED. CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING EROSION CONTROL DEVICES WHICH BECOME INEFFECTIVE.
3. CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR ALL GRADING AND OTHER LAND DISTURBING ACTIVITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY BUILDUP OF SEDIMENT.
5. CONTRACTOR IS RESPONSIBLE FOR CLEANING SILT AND DEBRIS OUT OF ALL STORM DRAINAGE STRUCTURES UPON THE COMPLETION OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ANY FINES LEVIED AGAINST THE SITE FOR VIOLATIONS OF EROSION CONTROL REGULATIONS.
7. IF WORK ON THIS PROJECT IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN THE SOIL EROSION AND SEDIMENTATION CONTROL FACILITIES IN GOOD CONDITION DURING THE SUSPENSION OF WORK.
8. SPRINKLE OR APPLY DUST (WATER TRUCK) SUPPRESSERS TO MINIMIZE DUST AT THE CONSTRUCTION SITE. MAINTAIN DUST CONTROL MEASURES MAY BE UTILIZED UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
9. ALL WETLAND AND VERNAL POOL RESOURCES MUST BE PROTECTED FROM SEDIMENTS DURING TRENCH EXCAVATION.
10. THE CONTRACTOR MUST COMPLY TO ANY ORDER OF CONDITIONS THAT MAY BE ISSUED BY THE TOWN OF RICHMOND OR RIDEM PERMIT.



SHEA CONCRETE MINI-DRYWELL
NOT TO SCALE

FILTREXX SILT SOXX DETAIL
NOT TO SCALE



NO.	DATE	DESCRIPTION	BY	APP.
0	4/22/24	RIDEM COMMENTS ON LAYOUT SIZE	SEK	SEK
0	4/5/24	RICHMOND 4 LOG CHLORINATION - UIC PLAN	SEK	SEK

SHEET NAME: RICHMOND 4LOG CHLORINATION - UIC PLAN
CLIENT: THE TOWN OF RICHMOND
PROJECT: RICHMOND 4LOG CHLORINATION

STEVEN KOHM
No. 12177
REGISTERED PROFESSIONAL ENGINEER

NWST
NORTHEAST
Water Solutions
INC.

SHEET NUMBER: 1 OF 1
APR 29 2024
Office of Water Resources