



Memorandum

To: ACL Board

Date: April 4, 2022

From: Megan Shamp

Memo #: 2022-54

Topic: May committee/commission changes

Recommendation: To appoint Roger Greenlaw to the Lake Monitoring Commission and Norm Vandigo to the Zebra Mussels Ad Hoc Commission; and to accept the resignation of Pat Reese and Tim Reese from the Golf Commission, Jim Legg from the Conservation Commission, and Marge Clark from the Board Policy Ad Hoc and Budget/Audit Commissions.

Plan on a Page: High Performing Operations and Management – Long Range Goals and Measures – To operate at full efficiency and effectiveness for the benefit of the Association.



Memorandum

To: ACL Board

Date: May 10, 2022

From: Rules & Regulations Commission

Memo #: 2022-53

Topic: Rules & Regulations: Motorized Vehicles-Recreational

Analysis: Following the approval of penalties for any snowmobile that falls through the ice, the Trails and Rules & Regulations commissions have also reviewed the same for all other recreational motorized vehicles. At their April 1, 2022 meeting, the Rules & Regulations Commission motioned to “recommend to add to section XII Motorized Vehicles-Recreational, F. Operation Limitations, 14. Any recreational motorized vehicle that breaks through the ice will be subject to fines as outlined under Section XIII Snowmobiles, C. Operations, #7.

This was presented to the Board at their April meeting, and no changes were requested.

Recommendation: To approve the addition to section XII Motorized Vehicles-Recreational, F. Operation Limitations, 14. Any recreational motorized vehicle that breaks through the ice will be subject to fines as outlined under Section XIII Snowmobiles, C. Operations, #7.



Memorandum

To: ACL Board

Date: May 10, 2022

From: AECC

Memo #: 2022-52

Topic: Energy Policy Update

Issue & Analysis: On July 26, 2021, Governor Pritzker signed House Bill 0644 as Public Act 102-0161. There are significant changes to this Act that may affect how owners within the association communities' approach solar energy. Legal counsel updated the current ACL Energy Code with the required updates. At AECC meeting on November 6, 2021, the committee also discussed removing the option for a variance for ground solar arrays. Language was removed from the Energy Code allowing a variance for homeowners who wanted to add solar ground arrays to their property. The changes proposed by legal counsel are highlighted in yellow, the changes to the ground array variance are highlighted in blue.

The Energy Policy updates were presented to the Board of Directors for first reading at their November 20 meeting. At the December 2021 Board meeting, the motion to approve the Energy Policy was tabled, and the Energy Policy was sent to the Legal Commission to review in accordance with the new policy approval process approved earlier in that meeting.

The Legal Commission reviewed the document at their March 31 meeting and send recommendations for revisions to AECC for further review. At their April 2 meeting, AECC approved the revisions submitted by the Legal Commission, with the added deletions of language permitting ground arrays and language on who is responsible for costs.

This was presented to the Board at their April meeting, and no changes were requested.

Recommendation: To approve the Energy Policy as included in the May 2022 Board packet. Once approved, the updated Energy Policy will be recorded with Jo Daviess County.

Plan on a Page: High Performing Operations and Management – Long Range Goals and Measures – To operate at full efficiency and effectiveness for the benefit of the Association.

Apple Canyon Lake Property Owners Association Committee Motion Card

Committee: AECC

Date: ~~March 5~~ APRIL 2, 2022

Agenda Item: 51

I Move:

Regarding ~~AECC Membership~~ ACLPOA ENERGY POLICY

To suggest to the ACLPOA Board of Directors that beginning June 4, 2022, the AECC be comprised of four ACL Board members and three ACL property owners.

TO APPROVE THE REVISIONS SUBMITTED BY LEGAL COMMISSION WITH THE ADDED DELETIONS OF LANGUAGE PERMITTING GROUND ARRAYS.

Action Taken

MOTION MADE BY: NM <i>Nole Smith</i>	VOTE RECORDED:
MOTION SECONDED BY: TD <i>Tommy</i>	YEA: 6
CHAIR: <i>Eric</i>	NAY: 0
	ABSTAIN: 0

Apple Canyon Lake Property Owners' Association

Energy Policy Board approved 03 21 20

This Energy Policy Statement, consisting of five (5) pages, is adopted to permit the Association to come into compliance with Section 20 of the Homeowners' Energy Policy Statement Act (765 ILCS 165/1 et. seq.) The text of this policy statement, which is set forth below, shall become effective upon recordation in the Office of the Recorder of Deeds, Jo Daviess County, Illinois.

PREAMBLE

WHEREAS, the Declaration was recorded on September 21, 2017 as document number 395980 with the Recorder of Deeds, Jo Daviess County, Illinois;

WHEREAS, the Board of Directors for Apple Canyon Lake Property Owners' Association, in compliance with Section 20 of the Homeowners' Energy Policy Statement Act (765 ILCS 165/1 et. seq.) hereby adopts the Association's Energy Policy Statement and includes the same within the terms, covenants and provisions of its Declaration;

WHEREAS, the policy statement has been approved by two-thirds of the members of the Board of Directors at a meeting called for that purpose.

NOW THEREFORE, the Energy Policy Statement for Apple Canyon Lake Property Owners' Association is hereby adopted in accordance with the text that follows:

Energy Policy Statement

PURPOSE OF STATEMENT: In compliance with Section 5 of the Homeowner's Energy Policy Statement Act (765 ILCS 165/1 et. seq.) the Board of Directors has adopted this Energy Policy Statement for the purpose of protecting the public health, safety, and welfare of the Members of the Association, while encouraging the development and use of solar energy systems in order to conserve and protect the value of land, buildings, and resources.

(a) Definitions: The terms used herein shall have the meanings and definitions

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~~¶ This Amendment is~~

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~~¶ 1. ARTICLE III, "GENERAL RESTRICTIONS," shall, following adoption of this Amendment, include a new Section 15, "Energy Policy Statement" as follows:¶~~

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prescribed to them in Section 10 of the Homeowner's Energy Policy Statement Act.

(b) Application for the installation of solar collectors, solar storage mechanisms and solar energy systems must be made to the Architectural and Environmental Control Committee as described herein and Article VII of the Declaration.

(c) The Architectural and Environmental Control Committee shall have the sole discretion in approving an Owner's specific modules or product used for its solar collectors, solar storage mechanisms and/or solar energy systems, which shall be submitted with the Owner's application.

(d) Owners shall not permit solar collectors, solar storage mechanisms or solar energy systems to fall into disrepair or to become safety hazards.

(e) Owners shall be responsible, at his or her own costs, for all maintenance and repair of solar collectors, solar storage mechanisms and solar energy systems. In the event the installation or use of any solar collectors, solar storage mechanisms or solar energy systems causes any damage or destruction to any Common Properties, Dwelling, Lot, Structure, or the Properties, the Owner installing the solar collectors, solar storage mechanisms or solar energy systems shall be liable and responsible for and shall pay for any and all costs, expenses, fees and damages and repair any and all damage or destruction created thereby, including, but not limited to, reasonable attorneys' fees and court costs incurred by the Association.

(f) Owners shall be responsible for repainting or replacement of solar collectors, solar storage mechanisms and solar energy systems.

(g) If the Association and/or Architectural and Environmental Control Committee determines, in its sole discretion, that the removal of any solar collectors, solar storage mechanisms or solar energy systems is necessary to allow the Association to fulfill its maintenance, repair and replacement obligations described in this Declaration, the Association shall provide reasonable notice to the Owner, as applicable. It is the obligation of the Owner to complete removal within the time provided by the Association. In the event the Owner fails to complete removal within the time provided, the Association may hire a licensed solar installer to remove any solar collectors, solar storage mechanisms and solar energy systems and assess all costs incurred back to the Owner's assessment/common expense account. The Association will not be responsible for the safekeeping of any portion of a solar energy system it removes nor will the Association be responsible or liable for any damage caused to a solar energy system or any of its component parts. Upon removal, no solar energy system or any of its component parts may be re-installed without the prior written approval of the Architectural and Environmental Control Committee.

(h) Solar collectors, solar storage mechanisms and solar energy systems shall meet applicable standards and requirements imposed by state and local permitting authorities and shall be certified by the Solar Rating Certification Corporation (SRCC) or other nationally recognized certification agency. No homemade or non-commercially produced collectors, mechanisms or systems may be installed.

(i) Solar collectors shall only be installed on the roofs of Dwellings and should be, upon installation, completely contained within the vertical plane of the exterior wall line of the Dwelling ~~unless approved as a variance in writing by the AEOC. With respect to attached Townhouses and/or Condominiums, under no circumstances shall any solar collectors, solar storage mechanisms or solar energy systems extend beyond the bounds of a Dwelling's roof nor beyond the vertical extension of the Dwelling's Party Wall or Unit boundaries.~~

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~~(j) Solar collectors, solar storage mechanisms and solar energy systems, should be installed on existing plane of roof material, should match the slope of the existing plane of the roof and be flush-mounted with the existing plane of the roof unless approved as a variance in writing by the AEOC.~~

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(k) Solar collectors, solar storage mechanisms and solar energy systems installed on roofs must be firmly affixed to roof surface.

(l) All plumbing lines should be concealed on the exterior of the Dwelling and the method of installation shown and detailed in the Owner's application described in Paragraph (b) herein. Lines should be painted colors consistent with the Dwelling and other materials adjacent to the system.

(m) A sample or illustrated brochure of the proposed solar collectors, solar storage mechanisms and solar energy systems should be submitted to the Architectural and Environmental Control Committee as part of an Owner's application under Paragraph (b) herein and should clearly depict the system and define the materials used. Construction drawings for the specific installation should be provided. Drawings should clearly show all elevations, roof planes, proposed assembly and attachment to the roof structure, proposed installation location on the Dwelling and the location of any storage ~~mechanisms tanks.~~

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(n) All applications concerning solar collectors, solar storage mechanisms and solar energy systems made pursuant to Paragraph (b) herein should include calculations indicating the number and area of panels required.

~~(o) Owners submitting applications shall provide an attestation that notice of the proposed installation of solar collectors, solar storage mechanisms and solar energy systems was given to all neighboring Lots and Dwellings sharing Party Walls and bounds with the~~

applicant Owner.

(o) Any material used in the solar collectors, solar storage mechanisms and solar energy systems, if flammable, should be self-extinguishing.

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~~(p) Ground-mounted, free-standing solar collectors, solar storage mechanisms and solar energy systems are prohibited anywhere on the Property unless approved as a variance in writing by the AECC.~~

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(q) When applicable, the Architecture and Environmental Control Committee may determine the specific configuration of the elements of a solar energy system on a given roof face; provided, that, the elements of the solar energy system shall not be prohibited from being installed on any roof face and the Architecture and Environmental Control Committee's determination may not reduce the production of the solar energy system by more than ten percent (10%). For purposes of this paragraph, "production" means the estimated annual electrical production of the solar energy system. The Architecture and Environmental Control Committee encourages Owners to install solar collector systems on the rear facing roof of the Dwelling, for aesthetic purposes, determine the specific location where a solar energy system may be installed on the roof within an orientation to the south or within 45 degrees east or west of due south provided that the determination does not impair the effective operation of the solar energy system.

(r) A solar energy system shall only be installed by a professional contractor, licensed or accredited by the North American Board of Certified Energy Practitioners (NABCEP), Interstate Renewable Energy Council (IREC) or other similar nationally recognized accrediting/licensing authority.

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(s) Installation of a solar energy system shall not cause or result in an unreasonable disturbance to or otherwise interfere with the use and enjoyment of neighboring Lots and Dwellings (i.e. the installation of a solar energy system shall not result in unreasonable glare reflecting therefrom nor shall it unreasonably limit or disrupt surrounding Lots' or Dwellings' sight lines).

Commented [L2]: This is redundant to new section X. Recommend Deleting X and amending with suggested language.

(t) The Association does hereby permit the installation, placement or construction of rainwater collection systems, subject to any Rules and Regulations adopted by the Board of Directors for the Association. Rainwater collection systems, when possible, shall be concealed from public view and shall not create an unreasonable disturbance or nuisance to neighboring Lots and Dwellings.

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(u) The Association does hereby prohibit the installation, placement or construction of wind energy collection systems anywhere on the Property.

(v) The Association does hereby permit the installation, placement or construction of composting systems, subject to any Rules and Regulations adopted by the Board of Directors for the Association. Composting systems, when possible, shall be concealed from public view and shall not create an unreasonable disturbance or nuisance to neighboring Lots and Dwellings.

(w) ~~The Board and/or Architecture and Environmental Control Committee may consult with a third-party engineer, architect and/or other professional to assist in the review and processing of an application from an Owner pursuant to this Section and/or the review of any system installed following the approval by the Architecture and Environmental Control Committee of an application submitted by an Owner pursuant to this Section.~~

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(x) The provisions of this Section shall not apply to, and shall not grant any rights to Owners of, any Townhouses, Condominiums or buildings with a shared roof. As used in this paragraph, "shared roof" means any roof that (i) serves more than one (1) Dwelling, including, but not limited to, a contiguous roof serving adjacent Dwellings, or (ii) is part of the common area, limited common area or common elements of a condominium.

(y) ~~The provisions of this Section may be revised from time to time by a vote of two-thirds (2/3) of the members of the Board of Directors.~~

Deleted: <#>The Board and/or Architecture and Environmental Control Committee may consult with a third-party engineer, architect and/or other professional to assist in the review and processing of an application from an Owner pursuant to this Section and/or the review of any system installed following the approval by the Architecture and Environmental Control Committee of an application submitted by an Owner pursuant to this Section. Any and all costs and fees charged to the Association by any such third-party or otherwise incurred by the Association with respect to such processing and review shall be charged back to the Owner, and if not paid promptly by such Owner shall become a lien on such Owner's Dwelling and Lot in the same manner as unpaid assessments and the Association shall have all of the same rights and remedies available to it for collection of same as are provided in this Declaration, the By-Laws, at law or in equity for the collection of unpaid assessments.¶

2. The terms used herein, if not otherwise defined, shall have the same meaning described to them in the Declaration and Bylaws.
3. The language of this statement shall govern any conflicts between this document and the Declaration and its amendments.
4. Except as to the extent expressly set forth herein above, and as revised, the Declaration, Bylaws and Rules and Regulations shall continue in full force and effect without change.

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END OF TEXT OF POLICY STATEMENT



Memorandum

To: ACL Board

Date: May 10, 2022

From: Safety and Emergency Planning Commission

Memo #: 2022-50

Topic: Approval of Dam Emergency Action Plan

Analysis: The Dam Emergency Action Plan was developed in 2006 with the purpose to protect the lives and property of the citizens of Jo Daviess County and any other persons or properties that lie within the potential flooding range of the Apple Canyon Lake dam in the event the Apple Canyon Lake dam fails, or excessive flooding caused by a large flow release from the Apple Canyon Lake dam. The Safety and Emergency Planning Commission along with Safety and Security Manager, Julie Janssen, have reviewed the plan for 2022 and made appropriate changes to contact names and information.

The Dam Emergency Action Plan was presented to the Board at their April meeting. Shaun Nordlie's name has been removed from the Plan as requested at that meeting.

Recommendation: To approve the Dam Emergency Action Plan as included in the May Board Packet.

***Plan on a Page: High Performing Operations and Management –
To operate at full efficiency and effectiveness for the benefit of the
Association***

APPLE CANYON LAKE DAM EMERGENCY ACTION PLAN



Apple Canyon Lake Property Owners Association

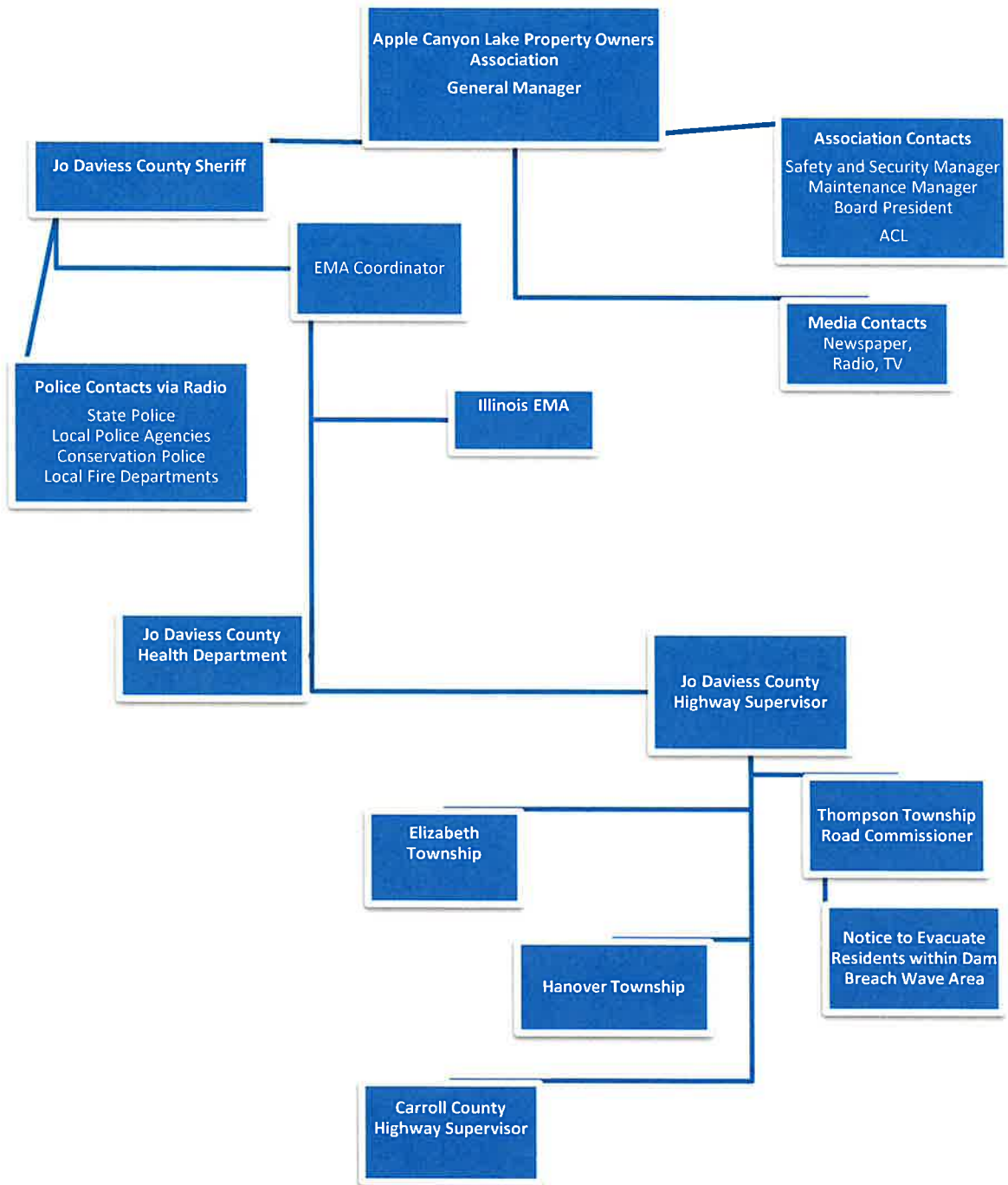
Jo Daviess County, Illinois

Prepared: June 25, 2006
Revised: February 1, 2019

Table of Contents

I	Flowchart of ACL Dam Emergency Action Plan	3
II	Statement of Purpose	4
III	Historical Background	4
IV	Emergency Detection, Evaluation, and Classification	
	A. Surveillance Program	5
	B. Notice to Evacuate Procedures	7
	C. Telephone Notification Sample Message	8
V	General Responsibilities	
	A. Emergency Personnel Responsibility List	9
	B. Dwellings to be Evacuated	10
	C. Maintaining and Updating the Plan	11
VI	Inundation Maps	
	A. Breach Analysis Assumptions/Conditions	12
	B. Map of Lake and Potential Flood Range	13-18
	C. Apple Canyon Lake Property Map	19
VII	Appendices	
	A. ACL Emergency Flowchart Contacts	20
	B. Non-ACL Emergency Personnel Contacts	21
	C. ACL Heavy Equipment & Local Contractors w/ Heavy Equipment	22
	D. Lake Incident Log	23
	E. Internal Staff Actions	24
	F. Dam inspection checklist	26

I Flowchart of Dam Emergency Action Plan



**See Appendix A for ACL Dam EAP Flowchart Contact numbers.
See Appendix B for Non-ACL Emergency Personnel Contact numbers.**

II Statement of Purpose

The purpose of this Dam Emergency Action Plan (DEAP) is to protect the lives and property of the citizens of Jo Daviess County and any other persons or properties that lie within the potential flooding range of Apple Canyon Lake Dam in the event the Apple Canyon Lake Dam fails, or excessive flooding caused by a large flow release from the Apple Canyon Lake Dam.

III Historical Background

Apple Canyon Lake Dam is located on Hell's Branch Creek, approximately five miles upstream from the Apple River and approximately 15 miles north (upstream) from Hanover. The earth and rock-fill dam were constructed and began filling during 1969.

Apple Canyon Lake Dam is approximately 1,200 feet long, running east-west, and is approximately 80 feet high with a top width of 10 feet. It was constructed with a clay core keyed into native limestone bedrock and has earth and rock upstream and downstream faces with 1.75:1 side slope. On the west end of the dam, a one 100-foot-long concrete spillway crest wall is formed into bedrock with a top elevation of 800.0. Above Mean Sea Level (MSL) during normal flow conditions, water leaves the lake via a twelve-foot-long weir formed in the spillway wall at elevation 799.5.

During construction, bedrock grouting was performed beneath the clay core to prevent seepage under the dam. After construction, additional bedrock grouting was performed at the west abutment, between the rock fill and the spillway, to stop seepage that occurred during filling.

The Apple Canyon Lake Dam is classified as high hazard because of the probability of loss of life, substantial economic loss, and inundation of roads in the event of a failure. This determination is based on the November 1983, "Hydrologic, Hydraulic, and Dam Breach Analysis of Apple Canyon Lake Dam", prepared by the Illinois Department of Transportation, Division of Water Resources (DWR).

The State of Illinois Rules for Construction and Maintenance of Dams requires that owners of dams have permits to operate and maintain them. One of the requirements of this permit is that dams with a potential to cause significant flooding in the event of failure (known as high-hazard dams) have an Emergency Action Plan (EAP) specifying emergency notification procedures to follow in case of an actual or possible dam failure. The Illinois Department of Transportation, DWR prepared a Breach Analysis for the Apple Canyon Lake Dam in 1983 (see Section VI Inundation Maps, A. Breach Analysis Assumptions/Conditions).

IV Emergency Detection, Evaluation, and Classification

A. Surveillance Program

Inspections of the dam and appurtenances shall be made on a routine basis at least once per quarter by the ACL Maintenance Staff and a log shall be kept on the ACL staff server and signed by the person doing the inspection. The dam and appurtenances will be inspected annually by a contracted outside vendor who will provide a detailed report to the General Manager, Safety and Security Manager, and Maintenance Manager to keep on file. Items that will be monitored will include the following:

1. Pool level as indicated by the crest level of the spillway (800.0).
2. Unaccounted-for seepage.
3. Unusual changes in the earthen embankment.
4. Spillway blockages.
5. Unusual changes in the spillway concrete.
6. Animal holes or woody growth in or on the earthen embankment.

ACL Safety and Security Department officers will evaluate lake level daily and report conditions on the Apple Canyon Lake Incident Log. The following lake conditions have been established as they relate to dam surveillance. **If at any time, a dam breach is imminent, Condition 1 will go into effect immediately.**

Condition 5

Under normal conditions (measured at **801.0 MSL and below**) the dam and appurtenances will be inspected at least once per quarter and after a major water event by the ACL Maintenance Department staff. A Dam Inspection Checklist will be maintained by the Maintenance Manager or designee and shared with the General Manager and Safety and Security Manager. In anticipation of an unusual storm or flood event, before reaching Condition 4, Maintenance Department staff will mobilize power and emergency equipment to the Marina Maintenance building or other area designated by the Safety & Security Manager.

Condition 4

During and immediately after an unusual storm or flood event if the level of the reservoir is **equal to or greater than 801.0 MSL** visual inspection of the dam and appurtenances will be inspected not less than once per day by the Maintenance Department staff and logged as directed by the Safety and Security Manager.

Condition 3

When the level of the reservoir reaches **803.0 MSL or 802.0 and rising 1 foot per hour** as reported by the on-duty Safety and Security officer, the Security officer will immediately contact the Maintenance Manager and alert the Jo Daviess County Sheriff's Department. The Jo Daviess County Sheriff's Department will contact the Jo Daviess Emergency Management Agency (EMA) Coordinator. The dam and appurtenances shall be inspected by the Security officer no less than once per hour. The General Manager and Communications and Recreation Manager shall be notified by the Safety and Security Manager. Communications and Recreation Manager or designee shall issue a Code Red notification to Association members.

Condition 2

When the reservoir level reaches **805.0 MSL**, the Jo Daviess County Sheriff's Office and Jo Daviess EMA Coordinator will be updated by the Safety and Security staff. If deemed necessary by the Jo Daviess EMA Coordinator, the Notice to Evacuate Procedures outlined in this DEAP will be implemented. All dwellings and/or residents within the dam breach wave inundation area shall be given notice to evacuate. The dam and appurtenances shall be inspected on a continual basis by Safety and Security and Maintenance Department staff. The Communications and Recreation Manager or designee will update and send the Code Red message to Association members.

Condition 1

When the reservoir level reaches **807.0 MSL** (top of dam embankment is **808.0 MSL**) the dam and appurtenances shall be monitored continually by the ACL Maintenance Manager until the reservoir level has fallen to **802.0 MSL**. The Communications and Recreation manager or designee will issue a Code Red statement for residents not to return to the flood wave area until the reservoir pool level reaches **803.0** and only after an inspection by the Consulting Engineer that the dam and appurtenances have sustained no damage.

B. Notice to Evacuate Procedures

The first step shall be initiated by the ACL General Manager or designee. After observing or receiving from a reliable source information that a dam breach is imminent or rising reservoir levels have reached **805.0 MSL** the ACL General Manager or designee will update the Jo Daviess County Sheriff's Department.

The Sheriff's Department shall contact the Emergency Management Agency (EMA) Coordinator who shall make the final decision whether to implement the Jo Daviess Emergency Action Plan (EAP) after considering recommendations of the owner, technical experts, and/or resource agencies. If the Jo Daviess EAP is implemented, the EMA Coordinator shall also become the Incident Commander. The Local Fire Department shall notify residents of the notice to evacuate (Code Red). The EMA Coordinator shall script a message and contact the National Weather Service's Quad Cities Forecast Office to assist in the notification of Hanover residents. The Incident Commander will contact the Illinois Emergency Management Agency (IEMA).

ACL Office personnel will be contacted to answer and direct incoming calls and help set up the emergency operating center in the Association Office. The ACL General Manager shall act as media spokesperson and Public Information Officer (PIO). The General Manager may assign duties to another member of the ACL staff or designee. The General Manager will contact media offices as part of the notification process. Agencies assigned the task of contacting residents and giving notice to evacuate shall keep a list of those notified. The Jo Daviess EMA Coordinator will decide the locations of shelters.

The General Manager will contact the Maintenance Manager if assistance is needed in the containment of the dam, roadblocks, or evacuation. The Safety and Security Manager will contact other Safety & Security Department officers to assist with roadblocks by the dam and all Apple Canyon Lake entrances. The Safety & Security Department officers will also help direct emergency personnel. No on-lookers will be allowed into the Apple Canyon Lake property due to congestion and safety. Members of the media will be encouraged to speak with the General Manager (PIO). The primary means of communications will be by phone, cell phone, radio, social media, and Code Red.

C. Telephone Notification Sample Message

Actual Imminent Danger Notification:

This is (name) from the (Emergency Response Agency). The Apple Canyon Lake Dam is in danger of failure. In the event of a failure, it may be dangerous to remain in this area. We recommend you leave the area now as flood water is expected to reach this area in ____ minutes. Temporary shelter is available at _____.

Drill Message:

This is (name) from the (Emergency Response Agency). We are conducting a test of the Apple Canyon Lake Dam Emergency Action Plan. In the event of an actual dam failure, you would be advised to proceed to your predetermined safe area. Again, this is only a drill, and no action are needed at this time.

All emergency personnel will maintain a log of persons contacted during the drill and the time of contact for the duration of the drill event.

V. General Responsibilities

A. Emergency Personnel Responsibility List

1. Jo Daviess County Sheriff's Department

Will notify the Illinois State Police, Local Police, and Local Fire & Emergency Agencies that an evacuation has been ordered by the Jo Daviess EMA Coordinator. The Sheriff's office will also notify the surrounding hospitals.

2. Jo Daviess Emergency Management Agency (EMA) Coordinator

Will implement the Dam Emergency Action Plan Evacuation Notification Procedures and will notify the Illinois Emergency Management Agency (IEMA), Jo Daviess Highway Commissioner, and Jo Daviess County Health Department.

3. State Police

Will assist in roadblocks and evacuation.

4. Fire/Ambulance Agencies

The agency of each fire district will notify all homeowners in their district of the evacuation by going door to door, if possible, and Code Red.

5. Local Agencies

Jo Carroll Energy Cooperative

Will be notified of the situation by Jo Daviess EMA and will disconnect power to affected areas.

Frontier Telephone

Will be notified of the situation by Jo Daviess EMA

Apple Canyon Utilities

Will be notified of the situation by Jo Daviess EMA

Mulgrew Gas at Marina

Will be notified of the situation by Jo Daviess EMA

Stephenson Service Co F/S Propane at Cove

Will be notified of the situation by Jo Daviess EMA

Township/County Highway Departments/Road Commissioners

All available road and transportation departments will assist with necessary roadblocks.

6. Local Hospitals

Will provide medical assistance if required.

7. Red Cross

Will assist with evacuation shelters, food, water, and supplies for victims and responders.

8. ACLPOA Staff

Will notify ACL homeowners, assist in containment of dam, assist in roadblocks, manage calls and monitor radios and provide security at the dam site. The General Manager or designee shall be the Public Information Officer and official spokesperson to the media.

B. Dwellings to be Evacuated

Name	Address	City	State	ZIP	Phone Number
Bill Wiley or Current Resident	3022 South Apple River Road	Elizabeth	IL	61028	(815) 858-2317 / Returned mail
Bethann Mulholland or Current Resident	3022 South Apple River Road	Elizabeth	IL	61028	(815) 858-2317 / Returned mail
Virginia D. Hill or Current resident	2817 South Apple River Road	Elizabeth	IL	61028	Returned mail
Wayne Beyer	2585 South Apple River Road	Elizabeth	IL	61028	(815) 858-3763
Kenneth & Susan Haas	1961 South Apple River Road	Elizabeth	IL	61028	(815) 858-4445
Vacant Land	1601 South Apple River Road	Elizabeth	IL	61028	
Bill Wiley or Current Resident	3020 South Apple River Road	Elizabeth	IL	61028	(815) 858-2317 / Returned mail
Tracy DeWees or Current Resident	3020 South Apple River Road	Elizabeth	IL	61028	(815) 213-0020
Nicholas & Michelle Haas	2137 South Becker Road	Elizabeth	IL	61028	(815) 858-4444
Current Resident	3579 South Ebys Mill Road	Elizabeth	IL	61028	
Jason & Valerie Gerlich	3487 South Ebys Mill Road	Elizabeth	IL	61028	(563) 580-1536 or (563) 207-0737
Current Resident	3503 South Ebys Mill Road	Elizabeth	IL	61028	
Irene Havens	4810 South Elizabeth-Hanover Road	Elizabeth	IL	61028	(815) 281-1202 or (815) 281-1016
Current Resident	5254 South Elizabeth-Hanover Road	Elizabeth	IL	61028	Returned mail
Current Resident	5465 South Elizabeth-Hanover Road	Elizabeth	IL	61028	
Teri & Ray Mensendike	4796 South Elizabeth-Hanover Road	Elizabeth	IL	61028	(815) 281-1250 or (815) 281-1252
Current Resident	6148 South Elizabeth-Hanover Road	Elizabeth	IL	61028	Returned mail
Current Resident	6150 South Elizabeth-Hanover Road	Elizabeth	IL	61028	
John Ebert	3193 South Elizabeth-Scales Mound Road	Elizabeth	IL	61028	(815) 858-2389 or (815) 618-2980
Kyle & Sharon Pearce	3358 South Elizabeth-Scales Mound Road	Elizabeth	IL	61028	(815) 858-3306 or (815) 858-4307
Laverle W. & Lydia Ebert	3303 South Georgetown Road	Elizabeth	IL	61028	(815) 858-2389 or (815) 618-2980
Dwight Voght	1566 South Goose Hollow Road	Elizabeth	IL	61028	(815) 858-3886
Current Resident	3145 South Georgetown Road	Elizabeth	IL	61028	
Current Resident	1865 South Goose Hollow Road	Elizabeth	IL	61028	Returned mail
Randy Haas	2070 South Goose Hollow Road	Elizabeth	IL	61028	(815) 541-3834
Current Resident	2094 South Goose Hollow Road	Elizabeth	IL	61028	Returned mail
Current Resident	1114 North Grebner Road	Elizabeth	IL	61028	Returned mail
Larry & Barbara Stoewer	1493 North Grebner Road	Elizabeth	IL	61028	(815) 275-1158 or (815) 275-4194
Frank & Maura Zurek	1715 N. Grebner Road	Elizabeth	IL	61028	(312) 543-8678
James P. Burelbach	870 South Grebner Road	Elizabeth	IL	61028	(630) 392-4713
Lloyd & Lisa Haas	697 South Grebner Road	Elizabeth	IL	61028	(815) 238-6538 or (815) 238-3529
Current Resident	63 South Grebner Road	Elizabeth	IL	61028	Returned mail
Adam Kelly	2796 West Hanover Road	Hanover	IL	61041	(773) 354-8364
Current Resident	4161 Illinois Route 84 South	Hanover	IL	61041	Returned mail
Larry & Caroll Elliott	4193 Illinois Route 84 South	Hanover	IL	61041	(815) 858-2255 or (815) 238-6615
Tim Bohnsack	5209 Illinois Route 84 South	Hanover	IL	61041	(815) 291-9594
Current Resident	6401 Illinois Route 84 South	Hanover	IL	61041	Returned mail
Current Resident	6897 Illinois Route 84 South	Hanover	IL	61041	
Lauren Bohnsack	7107 Illinois Route 84 South	Hanover	IL	61041	(815) 858-4493
Todd Flack	415 Jackson Street	Hanover	IL	61041	(815) 275-2052
Vacant Land	2247 West Lone Road	Elizabeth	IL	61028	Returned mail
Vacant Land	2239 West Lone Road	Elizabeth	IL	61028	Returned mail
Patricia K. Geiger	707 Monroe Street	Hanover	IL	61041	(815) 591-2293 or (815) 275-1280
Jeff Brueggen	705 Monroe Street	Hanover	IL	61041	815-541-2286
Current Resident	701 Monroe Street	Hanover	IL	61041	Returned mail
Current Resident	803 Monroe Street	Hanover	IL	61041	Returned mail
Current Resident	465 South Salem Road	Elizabeth	IL	61028	Returned mail
Current Resident	648 North Salem Road	Elizabeth	IL	61028	Returned mail
David & Kathleen Dittmar	2760 East Schapville Road	Elizabeth	IL	61028	(815) 845-2501 or (815) 291-4901
Jonathan O'Sullivan	3106 East Schapville Road	Elizabeth	IL	61028	(815) 858-4428 / Returned mail
Current Resident	3121 East Schapville Road	Elizabeth	IL	61028	Returned mail
Karen Hagen	2555 East Schapville Road	Elizabeth	IL	61028	(815) 858-4104
Current Resident	7558 South Steele Road	Hanover	IL	61041	Returned mail
Montgomery Trucking	1504 US Route 20 West	Elizabeth	IL	61028	(815) 777-0672 or (815) 541-3203 or (815) 541-3148 / Returned mail
F/S	1487 Highway 20 West	Elizabeth	IL	61028	(815) 541-7264 or (815) 858-9300
Current Resident	1485 US Route 20 West	Elizabeth	IL	61028	Returned mail
Paul & Ruth Ann Knauer	1484 US Route 20 West	Elizabeth	IL	61028	(815) 858-2095 or (815) 238-5825 or (815) 238-0656
Kevin & Patricia Krug	822 US Route 20 West	Elizabeth	IL	61028	(815) 275-5406 or (815) 238-1616
Current Resident	1506 US Route 20 West	Elizabeth	IL	61028	Returned mail
Vacant Land	1604 East Hoffman Road	Elizabeth	IL	61028	
Robert & Richard Eustice	1307-13 West Long Hollow Rd	Elizabeth	IL	61028	(815) 232-3366
Leased to Conmat	1307-13 West Long Hollow Rd	Elizabeth	IL	61028	(815) 858-2691
Leased to Conmat	1313-13 West Long Hollow Rd	Elizabeth	IL	61028	(815) 858-2691 / Returned mail
John & Mary Katos	1451 West Long Hollow Rd	Elizabeth	IL	61028	(847) 452-9715 or (847) 902-2707
Current Resident	600 North Washington Street	Hanover	IL	61041	
Village of Hanover	207 Jefferson Street	Hanover	IL	61041	(815) 591-3800 or (815) 275-8855 or (815) 238-5313 or (815) 281-1585
Village of Elizabeth Sewer Treatment Plant	120 West Main	Elizabeth	IL	61028	(815) 291-6199 or (815) 858-2085

C. Maintaining and Updating the Plan

It will be the responsibility of the Safety & Security Manager to share and update the plan as needed, but not less than every two years.

VI. Inundation Maps

A. Breach Analysis Assumptions/Conditions

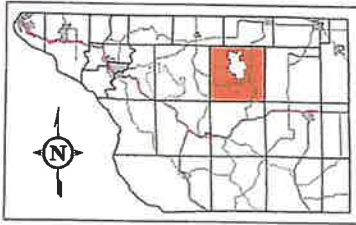
In 1983, the Illinois DWR, a division of the IDNR, determined the Probable Maximum Flood (PMF) for the dam to be 65,248 cubic feet per second (cfs). A 1983 Breach Analysis Report, prepared by the Illinois DWR, estimated downstream water surface elevations that could result if the dam failed during a 50 percent PMF event. This analysis assumed the breach would occur over a 20-minute period.

Based on the 1983 Breach Analysis Report, the 50 percent PMF flood would overtop the dam by 1.8 feet. A 20-minute failure during this flood could cause a significant additional rise in water surface elevations for more than 15 miles below the dam. The incremental rises in water surface elevation due to failure at selected locations below the dam are listed in the following table.

Location	Distance Downstream From Dam (miles)	Approximate Water Depth Before Failure (feet)	Rise in Water Surface Elevation Due to Failure (feet)
Schapville Road	1.7	15	19.6
Junction with Apple River	5.0	24	14.7
U.S. Highway 20	9.7	42	8.2
Hanover	14.4	40*	5.2

** The Illinois DWR Breach Analysis Report shows portions of Hanover would begin to flood prior to the 50 percent PMF failure of Apple Canyon Lake Dam.*

B. Map of Lake and Potential Flood Range

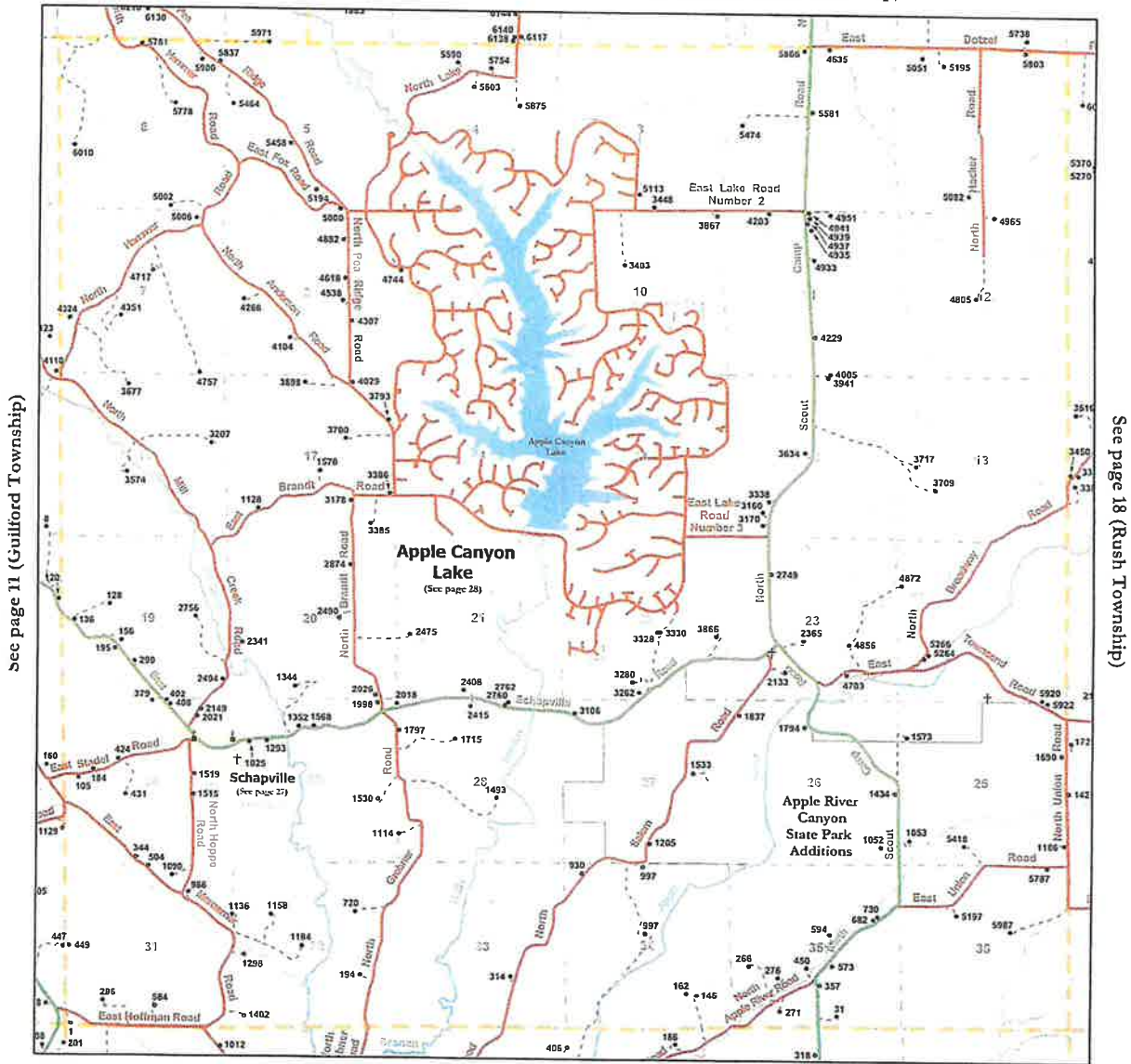


Thompson Township

T28N R3E

See page 19 (Scales Mound Township)

See page 4 (Apple River Township)



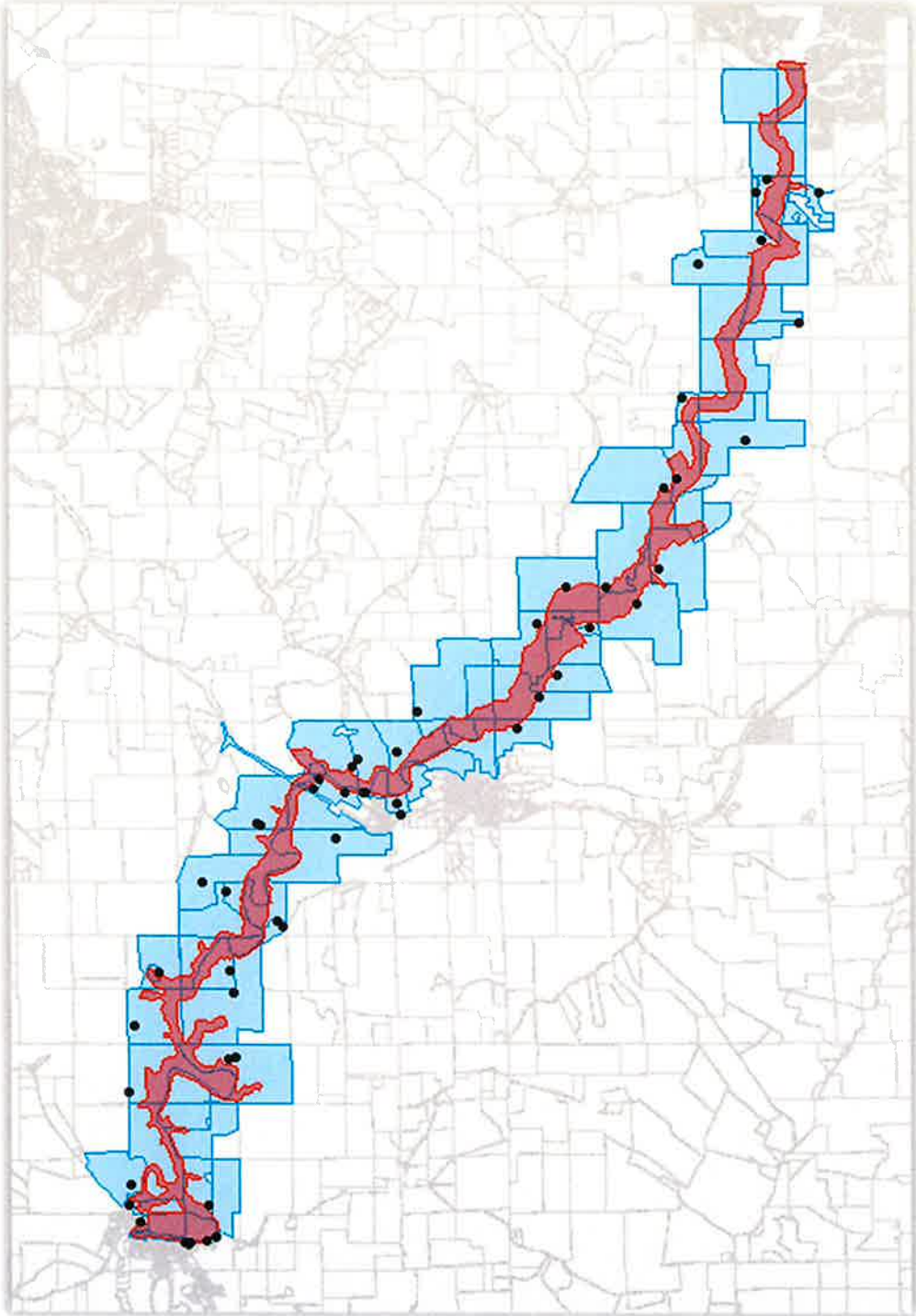
See page 11 (Guilford Township)

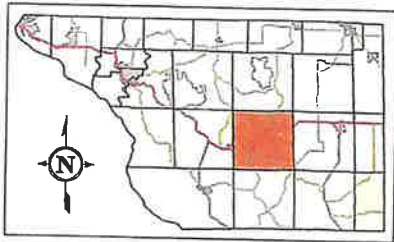
See page 18 (Rush Township)

Scale - 1 inch equals 4,400' (.83 miles)

See page 26 (Woodbine Township)

Flood Plain Boundaries



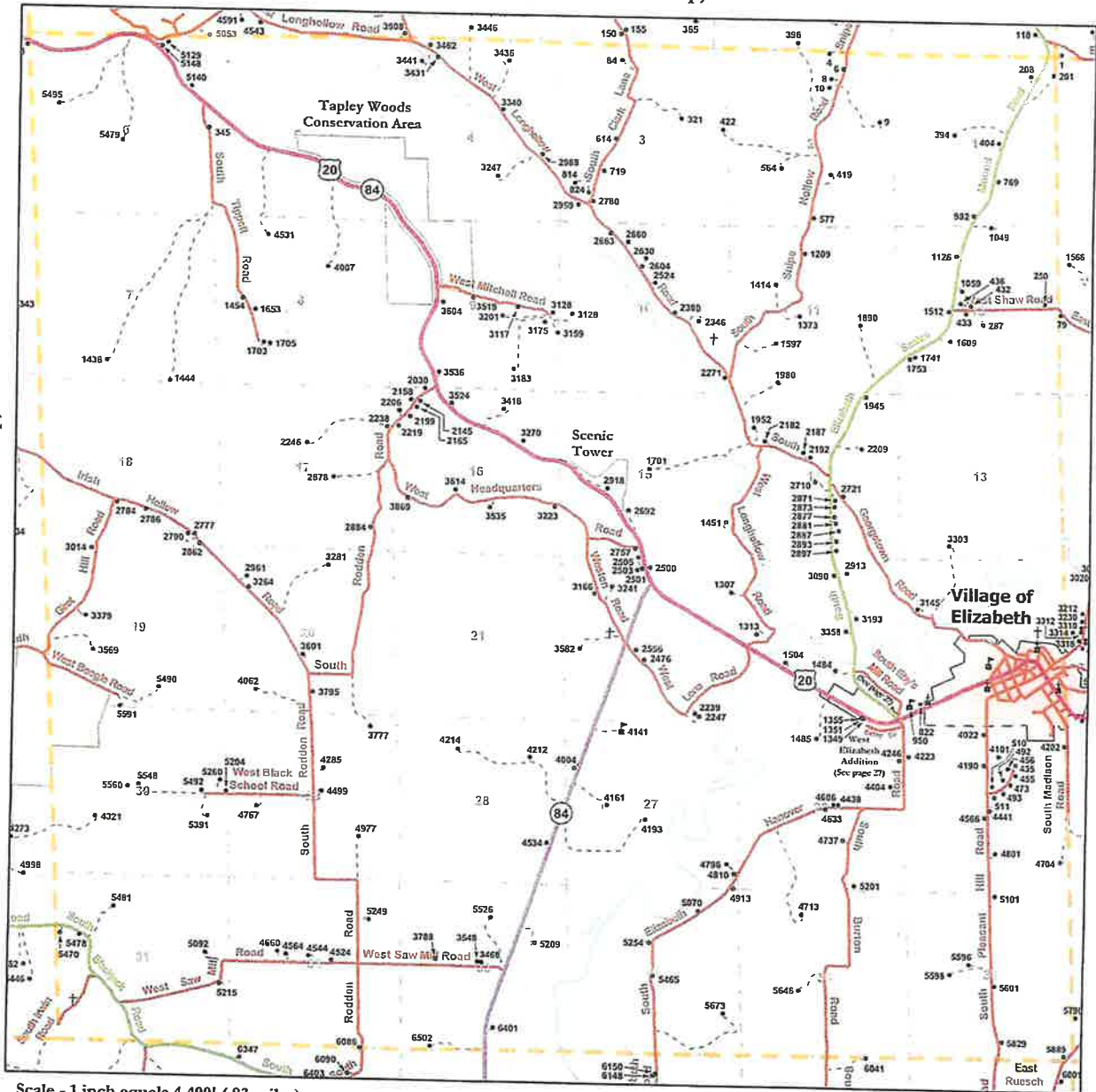


Elizabeth Township

T27N R2E

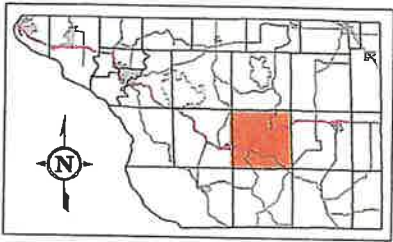
See page 11 (Guilford Township)

See page 17 (Rice Township)



Scale - 1 inch equals 4,400' (.83 miles)

See page 12 (Hanover Township)

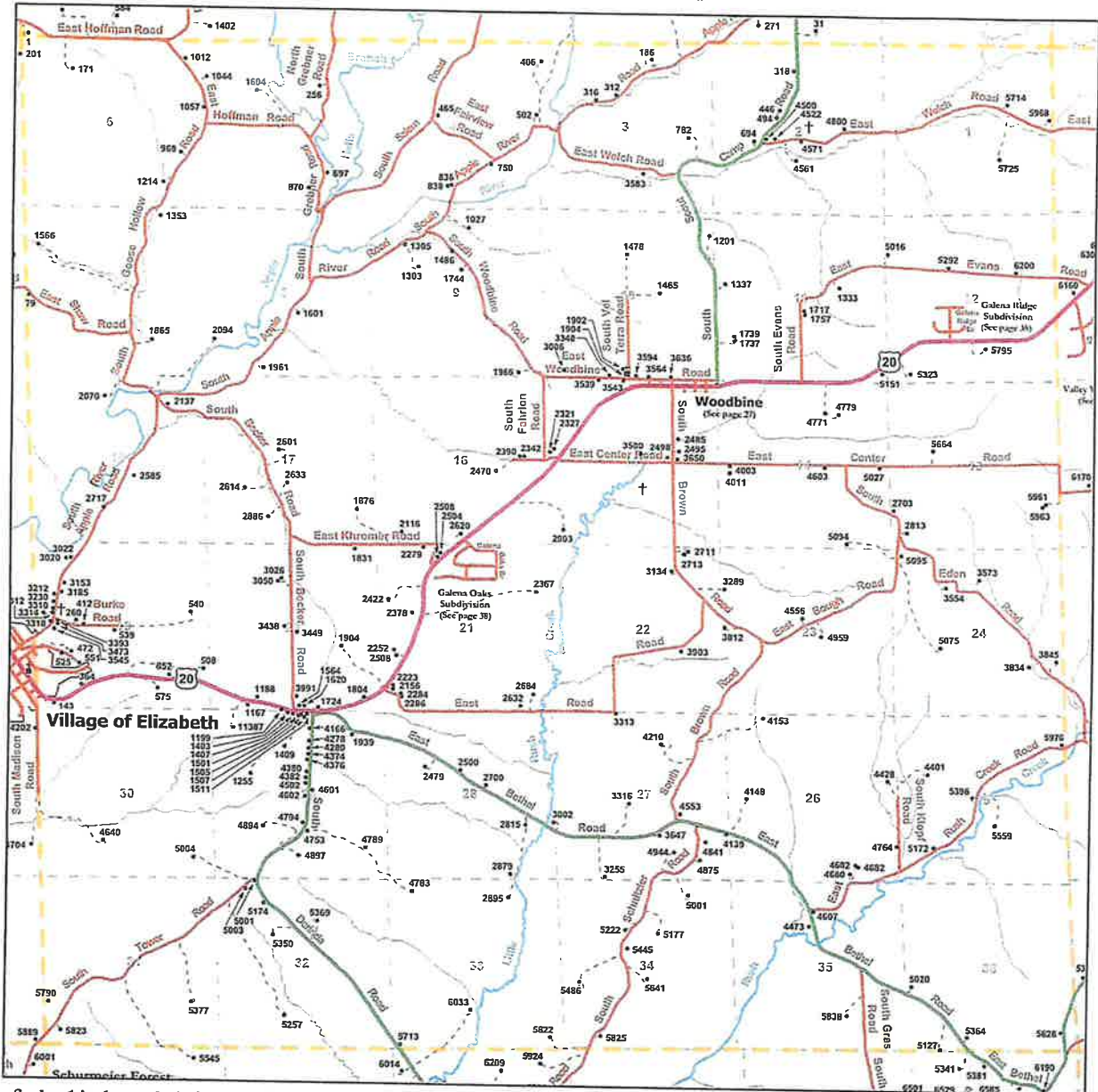


Woodbine Township

T27N R3E

See page 21 (Thompson Township)

See page 10 (Elizabeth Township)



See page 20 (Stockton Township)

Scale - 1 inch equals 4,400' (.83 miles)

See page 7 (Derinda Township)

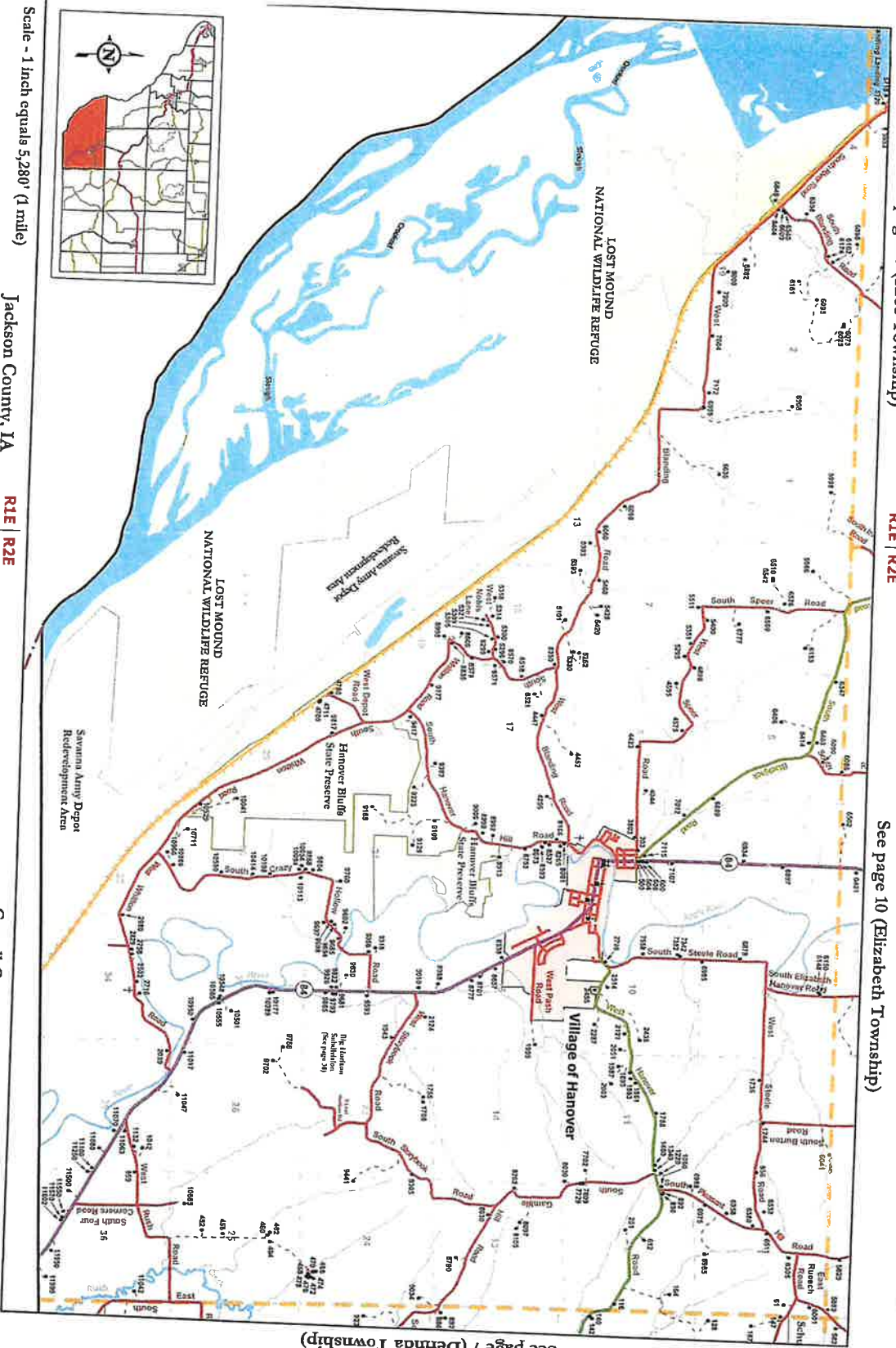
Hanover Township

See page 17 (Rice Township)

R1E | R2E

See page 10 (Elizabeth Township)

T26N R1E & R2E



See page 7 (Derinda Township)

Scale - 1 inch equals 5,280' (1 mile)

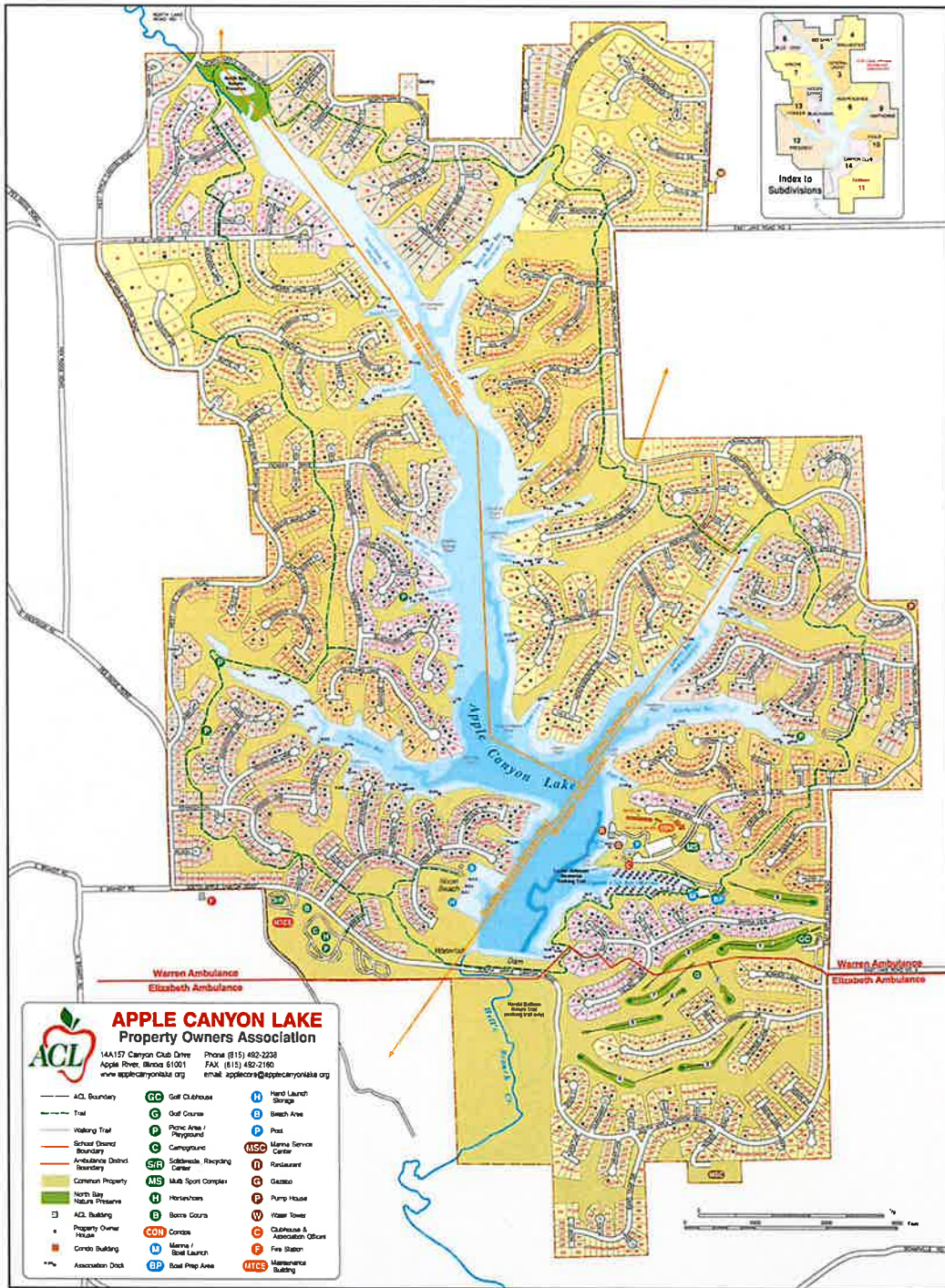
Jackson County, IA

R1E | R2E

Carroll County

C. Apple Canyon Lake Property Map

See fold out map at back of binder.



VII. APPENDICES

A. ACL DAM EAP FLOWCHART CONTACTS

General Manager:

Office: 815-492-2292

Cell: 815-858-4393

Safety and Security Manager:

Julie Janssen

Office: 815-492-0090

Cell: 815-266-1835

Safety & Security Officers:

Cell: 815-297-3006

Maintenance Manager:

Ed Ziarko

Office: 815-492-2167

Cell: 815-858-4119

Communications & Recreation Manager:

Tim Brokl

Office: 815-492-2238

Cell: 815-858-5242

ACL Board President:

Barb Hendren

Cell: 815-299-7403

B. NON-ACL EMERGENCY CONTACT LIST

Jo Daviess County Sheriff's Department Fire/Ambulance	911 or (815) 777-2141 911 or (815) 777-2141
Jo Daviess Emergency Management Agency (EMA) Coordinator Mike Simmons	911 or (815) 777-2141 (815) 281-2600
Illinois Emergency Management Agency (IEMA) Jo Daviess County Highway Jo Daviess County Health Department IDNR Dam Safety Section Manager Paul Mauer	(800) 782-7860 (815) 858-2437 or (815) 275-3359 (815) 777-0263 (217) 782-4427
Illinois State Police District 16	(815) 963-7687 (815) 239-1151
IDNR Conservation Police Capt. Laura Petrakis Sgt. Steven Beltran Officer Audrey Hoftender	(309) 230-7033 (815) 218-4165 (815) 275-1858
Hospitals	
Freeport Memorial, Freeport, IL Mercy Medical Center, Dubuque, IA Finley Hospital, Dubuque, IA Midwest Medical, Galena, IL Lafayette Memorial Hospital, Darlington, WI Monroe Hospital, Monroe, WI	(815) 599-6100 (563) 589-9666 or (563) 589-8034 (563) 589-2460 (815) 777-1340 (608) 776-4466 (608) 324-1160
Local Agencies	
Jo Carroll Energy Frontier Telephone Apple Canyon Utilities (Prairie Path water) Mulgrew Propane & fuel at Marina Stephenson Service Co F/S propane at Cove	(815) 858-2207 (877) 462-8188 (800) 832-2359 or (815) 858-4256 (cell) (563) 599-8227 (800) 782-4740 or (815) 858-9300
Township/County Highway Departments/Road Commissioners	
Thompson (Dean Williams) Hanover Police Chief (Tim Wand) Hanover Highway Dept Elizabeth (Fred Cass) Carroll County Sheriff Carroll County Highway Supervisor	(815) 291-8394 (815) 275-8855 (815) 591-3800 or (815) 281-1587 (815) 858-4666 (815) 244-0255 (815) 541-2000
Red Cross	(815) 233-0011

C. ACL Heavy Equipment & Local Contractors with Heavy Equipment

ACL Heavy Equipment

QUANTITY	DESCRIPTION
1	Backhoe
2	Skid loaders
3	1-ton 4x4 Dump-truck
3	John Deere Utility Tractors
1	Rear Mounted Blade
1	2" Trash Pump
1	Portable Generator
1	Torch Set
1	16' Jon Boat
6	24' Pontoon Boats (+Rentals)
5	4x4 Pick-up Trucks
1	Front-Mounted Skid Steer/Grader
5	ACL Trucks/Van
5	UTV/Golf Cart

Local Contractors with Heavy Equipment

Civil Constructors, Inc.	(815) 235-2200
Gary Saam Construction	(815) 845-2234
Redfern Earth Moving	(815) 858- 3438
Windy Hill Construction	(815) 777-4740
Flack Land Improvement	(815) 591-3819
R.J. Spillane Construction	(815) 594-2423
American Excavating	(815) 777-1553
Louie's Trenching/Excavating	(815) 777-0865
Mike & Nick Sproule Construction	(815) 777-2499

E. Internal Staff Actions

Apple Canyon Lake Incident Timeline

801.0

- Security staff will report to the Maintenance Manager when the lake level reaches **801.0** for daily visual inspection of the dam and appurtenances.
- Security staff will monitor the lake level hourly.

801.5 Lake to No Wake Status

- Security staff will communicate to other ACL management staff that the lake status has been changed to No Wake.
- Security staff will place yellow flags on the perimeter signs and on the lake buoys if possible.
- North Bay Crossing gate will be closed by Security or Maintenance staff. Trail closure will be a situational decision.
- All ACL vehicles (squads, golf carts, UTVs, etc.) will be moved from the Security office to old maintenance.
- Security will monitor Koester's Pond.
- Security or Maintenance will monitor washouts at the campground.
- Security will monitor North Bay.

802.0 Lake Closed

- Security staff will communicate to other ACL management staff that the lake status has been changed to Closed.
- Security staff will place red flags on the perimeter signs and on the lake buoys if possible.
- Maintenance will monitor dam and appurtenances on an hourly basis.
- Maintenance will move heavy equipment, cones, barricades, etc. to old fire station for staging.
- Security or Maintenance will move Security boat and rental boats to the Cove.
- Shut off power at Marina gas pumps.
- Shut off power at fish house.
- Shut off power at Nixon Beach Bathhouse.
- Close gate to Nixon Beach.
- Move everything from the floor to high ground in the Marina and Security departments.
- Stage Security officer/staff or barricades at the top of the Marina Road to advise the lake and Marina are closed.

803.0

- Managers called in and Code Red could be issued for high water.
- Shut off Marina power and parking lot lights.
- Advise Cove owners that lake level is rising and shutting off power to restaurant may be required.
- Trails closed.
- Additional staff will be called in if needed.

- Continue to monitor Koester's Pond.
- Security or Maintenance will continue monitor washouts at the campground.
- Security will continue to monitor North Bay.

805.0 See Condition 2 in section IV Emergency Detection, Evaluation, and Classification

- Command Center established.
- Communication to all managers that emergency is occurring.
- The Communications and Recreation Manager or designee will update and send the Code Red message to Association members.
- Maintenance staff will monitor dam and appurtenances continually.
- Shut off power at Cove restaurant.
- Contact Township to close Apple Canyon Road on both sides of the dam.
- Updates will be shared on the ACL website, Facebook page, eBlast, and Amenity Hotline.

807.0 See Condition 1 in section IV Emergency Detection, Evaluation, and Classification

- Dam Emergency Action Plan implemented.

Apple Canyon Lake Dam Inspection

Lake Level:

Maintenance Staff:

Directions: Mark an "X" in the YES or NO column. If an item does not apply, write "NA". If possible, identify any changes since the last inspection in Section 9 – Other Comments/Observations.

	DATE:	WEATHER:	TEMPERATURE:
ITEM:	YES	NO	N/A
1. TOP OF DAM			
a. Any visual settlements?			
b. Misalignment?			
c. Cracking?			
2. UPSTREAM SLOPE			
a. Adequate grass cover?			
b. Any erosion?			
c. Any trees growing on slope?			
d. Adequate riprap protection?			
e. Any stone deterioration?			
f. Visual depressions or bulges?			
g. Visual settlements?			
h. Debris or trash present?			
3. DOWNSTREAM SLOPE			
a. Adequate grass cover?			
b. Any erosion?			
c. Any trees growing on slope?			
d. Visual depressions or bulges?			
e. Visual settlements?			
f. Does the toe drain dry?			
g. Is seepage present?			
h. Soft or spongy zones present?			
4. ABUTMENT CONTACTS			
a. Any erosion?			
b. Visual differential movement?			
c. Any cracks noted?			
d. Is seepage present?			
5. PRINCIPAL SPILLWAY INLET (Weir)			
a. Do concrete surfaces show, if visible:			
(1) Spalling?			
(2) Cracking?			
(3) Erosion?			
(4) Scaling?			
(5) Exposed rebar?			
b. Do the joints show:			

(6) Displacement or offset?			
(7) Loss of joint material?			
(8) Leakage?			

Apple Canyon Lake Dam Inspection (Cont.)

ITEM:	YES	NO	N/A
c. Metal appurtenances:			
(1) Rust present?			
(2) Broken components?			
d. Fish gate – clear of all trash?			
6. PRINCIPAL SPILLWAY CONDUIT (Spillway shoot)			
a. Do concrete surfaces show?			
(1) Spalling?			
(2) Cracking?			
(3) Erosion?			
(4) Scaling?			
(5) Exposed rebar?			
b. Do the joints show:			
(1) Displacement or offset?			
(2) Loss of joint material?			
(3) Leakage?			
c. Is the conduit metal?			
(1) Rust present?			
(2) Protective coatings adequate?			
(3) Is the conduit misaligned?			
d. Is there seepage around the conduit?			
7. VALVE/GATE			
a. Are the valve/gate:			
(1) Broken or bent?			
(2) Corroded or rusted?			
(3) Water seepage observed?			
8. AREA DOWNSTREAM/BRIDGE			
a. Riprap displaced?			
b. Bridge abutment erosion?			
9. OTHER COMMENTS/OBSERVATIONS (Include Date):			



Memorandum

To: ACL Board

Date: May 10, 2022

From: Safety and Emergency Planning Commission

Memo #: 2022-51

Topic: Approval of Emergency Management Plan

Analysis: The Emergency Management Plan was developed in 2011 with the purpose to state the goals of the Safety and Security Department (SSD) and to serve as a guide for command and management personnel in directing the SSD activities in an emergency type situation. It must be recognized that it is not possible to have a single plan to cover all emergencies as there are wide variations existing in various types of emergencies that may occur. The Safety and Emergency Planning Commission along with Safety and Security Manager, Julie Janssen, have reviewed the plan for 2022 and made appropriate changes to contact names and information.

The Emergency Management Plan was presented to the Board at their April meeting. Shaun Nordlie's name was removed from the plan, and the page numbering has been corrected as requested at that meeting.

Recommendation: To approve the Emergency Management Plan as included in the May Board packet.

***Plan on a Page: High Performing Operations and Management –
To operate at full efficiency and effectiveness for the benefit of the
Association***

**APPLE CANYON LAKE
EMERGENCY
MANAGEMENT PLAN**



**Apple Canyon Lake Property Owners Association
Jo Daviess County, Illinois**

**Prepared: March 31, 2011
Revised: January 2019**

APPLE CANYON LAKE EMERGENCY MANAGEMENT PLAN

For the purpose of assisting in locating specific items in this Plan, the following index is provided:

I.	PURPOSE	3
II.	NEED FOR IMMEDIATE MOBILIZATION	3
III.	THE SAFETY & SECURITY DEPARTMENT MISSION	3
IV.	EMERGENCY DETECTION, EVALUATION & RESPONSIBILITIES	3
	A. Notification Procedure	3
	B. Emergency Scene Officer	3
	C. Department Responsibilities	4
V.	EMERGENCY PLAN	4
	A. At the Emergency Scene	4
	B. On the Perimeter of the Emergency Scene	4
VI.	ALERT PROCEDURES	4
	A. Alert Three (Controlled redistribution of On Duty Personnel)	4
	B. Alert Two (Partial Mobilization of On Coming Shift Personnel)	5
	C. Alert One (Total Mobilization)	5
VII.	TOTAL MOBILIZATION	5
VIII.	NOTIFICATION PROCEDURE FOR OFF DUTY PERSONNEL	5
IX.	ACTIVATION FOR ACL VOLUNTEER CORPS	5
X.	INITIAL CONSIDERATIONS	5
	A. Assigning Priority to Demands	6
	B. Redeploying and Recalling Field Personnel	6
	C. Adding Extra-Organization Personnel/ACL Volunteer Corps	6
	D. Reducing and Delaying Normal Tasks	6
XI.	CHAIN OF COMMAND	6
XII.	HAZARD SPECIFICS	6
	A. Drowning and/or Boating Accident	6
	B. Chemical Leak and/or Spill	7
	C. Dam Break/Flood	7
	D. Tornado	8
	E. Building Evacuation	9
	F. Bomb Threat	9
	G. Active Shooter	12
	H. Airplane Crash	13
	I. Utility/Power Disruption	13
	J. Pandemic	14
XIII.	PROVISIONS FOR UPDATING THE PLAN	19
XIV.	SUMMARY	19
XV.	APPENDIXES	20
	A. Helicopter Landing Zones	20
	B. Equipment List	21
	C. Resource List	22
	D. Volunteer Policies and Procedures Manual	23

ACL EMERGENCY PLAN

I. PURPOSE

The purpose of this Directive is to state the goals of the Safety and Security Department (SSD) and to serve as a guide for command and management personnel in directing the SSD activities in an emergency type situation. It must be recognized that it is not possible to have a single plan to cover all emergencies as there are wide variations existing in various types of emergencies that may occur.

II. NEED FOR IMMEDIATE MOBILIZATION

It is essential that well directed SSD services are provided to accomplish the SSD mission during an emergency situation. Managers must evaluate the gravity of the incident and request needed personnel and equipment, deploy forces, organize the operation of responding units and coordinate SSD activities with those of other departments or agencies involved.

III. THE SAFETY & SECURITY DEPARTMENT MISSION

A. The primary role of SSD in an emergency is to:

1. Determine the nature and scope of the emergency.
2. Notify all agencies or organizations involved.
3. Provide emergency services as first responders.
4. Protect life and property.
5. Control panic at scene.
6. Evacuate population, when it is necessary.
7. Establish traffic controls.
8. Crowd control on the perimeter.
9. Maintain a level of public safety in an area outside the emergency area.

B. The secondary role of SSD in an emergency is to:

1. Maintain a written record and photos of the incident.
2. Recover and safeguard property.
3. Facilitate the flow of accurate information.

IV. EMERGENCY DETECTION, EVALUATION & RESPONSIBILITIES

A. Notification Procedures

The security officer on duty will notify the following to ensure that sufficient personnel and equipment can be assembled:

1. Jo Daviess County Sheriff's Department
2. Manager of Safety and Security, or officer available
3. General Manager

B. ACL Emergency Scene Officer

The officer in charge at the emergency scene will ascertain and relay the following information to be given to the above officials:

1. Nature of emergency (tornado touch-down, explosion, major fire, etc.)
2. Location of emergency and area involved

3. Action taken by ACL SSD on the scene

C. ACL SSD Responsibilities

The Manager of Safety and Security or the officer available will organize the following:

1. Call all off-duty personnel as needed (See Section VIII)
2. Request assistance from other agencies as needed
3. Aid communications personnel
4. Deploy emergency equipment
5. Utilize available resources as it applies to the emergency
6. Determine if additional support teams are necessary
7. Determine alternate traffic routes to avoid emergency area
8. Consider notification of volunteer corps (See Section XV D)

V. EMERGENCY PLAN

A. At the emergency scene:

1. The Manager of Safety and Security or the officer available will be responsible for the following:
 - a. Determine the nature and scope of the emergency.
 - b. Notify all agencies or organizations involved.
 - c. Provide emergency services as first responders.
 - d. Protect life and property.
 - e. Control panic at scene.
 - f. Evacuate population, when it is necessary.
 - g. Establish traffic controls.
 - h. Crowd control on the perimeter.
 - i. Maintain a level of public safety in an area outside the emergency area.
2. The Manager of Safety and Security or officer in charge on the scene will be in charge of SSD operations until relieved by proper authority.

The overall Command of the Emergency scene begins with the senior Fire Department Official, who has overall Command of emergency scene. The Fire Department Officer in charge will consult with the Manager of Safety and Security or SSD Officer at the emergency scene.

B. On the perimeter of the emergency scene:

1. The Manager of Safety and Security, officer, or Fire Department Official in charge will be assigned the responsibility to:
 - a. Seal off the area from spectators and unauthorized persons and vehicles.
 - b. Permit authorized persons to enter the emergency area.
 - c. Establish and implement a traffic control plan.
 - d. Make necessary decisions related to the incident as may be required.

VI. ALERT PROCEDURE

A. ALERT THREE (Controlled Redistribution of On Duty Personnel)

1. If the situation can be handled by on duty personnel, then an "ALERT THREE" condition exists.

2. In the event of an unusual occurrence or emergency the officer on duty shall notify the Manager of Safety and Security and the General Manager

B. ALERT TWO (Partial Mobilization of On Coming Shift Personnel)

1. If it is determined by the Emergency Command that on duty personnel are not enough to handle the situation and that the next relief shift shall be called in early, then an "ALERT TWO" condition shall exist.
2. Mobilization of the relief shift shall be implemented as prescribed in Section VIII of this Order.
3. Consideration by the Manager of Safety and Security and General Manager to mobilize the ACL Volunteer Corps.

C. ALERT ONE (Total Mobilization)

1. If it is determined that total mobilization of department personnel is in order, then an "ALERT ONE" condition shall exist, and all personnel shall be notified that an "ALERT ONE" condition is in effect.
2. "ALERT ONE" condition shall be designated by the Manager of Safety and Security and the General Manager.
3. Consideration by the Manager of Safety and Security and General Manager to mobilize the ACL Volunteer Corps.

VII. TOTAL MOBILIZATION

When an "ALERT ONE" condition is determined, all holidays, days off, training assignments and vacation leaves are automatically canceled.

VIII. NOTIFICATION PROCEDURE FOR OFF-DUTY PERSONNEL

1. The officer on duty shall assign necessary personnel to initiate call back and reporting instructions to off-duty personnel.
2. The caller shall identify himself/herself and advise the employees of the existing alert condition through electronic group communication and the location of the staging area to report.
3. All employees shall report for duty in uniform unless otherwise directed.
4. All personnel shall remain on duty until officially relieved.

IX. ACTIVATION FOR ACL VOLUNTEER CORP

An ACL Volunteer Corp will exist to be available in the event of an emergency or disaster. This group is involved in the event of an emergency and provide vital support in a variety of areas, as needed. The Manager of Communications organizes and oversees the ACL Volunteer Corp. (See Appendix D.)

X. INITIAL CONSIDERATIONS

The effect of an emergency on the department varies with the type and tasks involved. Contingency factors, such as time of day, location, manpower available, disruption of facilities such as telephone and communications, and other factors must be taken into consideration in making decisions to address the problem at hand.

In general, SSD adapts to the demands created by an emergency in the following manner:

A. ASSIGN PRIORITY TO DEMANDS

The department always exercises a degree of selectivity in responding to the demands made upon it. This concept continues during emergency operations. Initial activities and/or assignments of individuals may later show themselves to have a low priority. Conditions will have to be evaluated by Management personnel and decisions made accordingly. It must be recognized that conditions may exist that exceed the department's ability to process them. Calls for service must be handled based upon priorities assigned by Management personnel.

B. REDEPLOY AND RECALL FIELD PERSONNEL

The initial operational adjustment which must be made by the departments during the emergency period is the redeployment of personnel already in the field.

First reports of emergencies are often vague. A Manager should be dispatched to the emergency scene to assess the situation and make initial judgments as to manpower and equipment needs.

On duty personnel will be assigned to specific details at the emergency as determined by Managers.

If more manpower is needed, off duty personnel are called in.

C. ADD EXTRA ORGANIZATIONAL PERSONNEL

The recall of personnel may not provide the necessary manpower to supplement the personnel on duty. In this case, assistance may be requested from other ACL departments and/or Volunteer Corp.

D. REDUCE AND DELAY NORMAL TASKS

During the high demand period of an emergency, which may last for hours or several days, normal duties may be suspended or severely curtailed.

XI. EMERGENCY CHAIN OF COMMAND

A chain of command has been established as indicated below. Authorization to implement any section of this plan will be determined by:

1. Manager of Safety and Security
2. General Manager
3. Maintenance Manager
4. Manager of Communication
5. Board of Directors President

XII. HAZZARD SPECIFICS

A. LAKE OR SPILLWAY DROWNING AND/OR BOATING ACCIDENT

1. Call "911" (or radio) and advise the dispatcher of the specifics and request:
 - A. Fire Department and Dive Team
 - B. Department of Conservation Police (if damage exceeds \$500 or injury/death occurs)
2. Notify pool/beach personnel if their assistance is needed.
3. Isolate the area where the incident took place.
4. Boat patrol will stand by in area where drowning victim was last seen and keep other boaters away from the area.
5. Contact:
 - A. Manager of Safety and Security

- B. General Manager
 - C. Maintenance Manager
 - D. Manager of Communication
 - E. Board of Directors President
6. Recovery Stage (Clean Up)

B. CHEMICAL LEAK/SPILL

POOL

1. Evacuate the pool and building.
2. Call “911” advise the dispatcher of the incident and request the fire department.
3. Contact:
 - a. Manager of Safety and Security
 - b. General Manager
 - c. Maintenance Manager
 - d. Manager of Communication
 - e. Board of Directors President
4. Keep doors to the filter house closed until the Fire Department arrives.
5. After evacuating the filter house and surrounding area, keep everyone upwind from the filter house.
6. Take anyone who has symptoms resulting from the chemical leak to a safe location and seek emergency evaluation/treatment.

OTHER ACL LOCATIONS - potential chemical leak/spill could come from chemical delivery truck, lawn care companies, propane gas companies, Maintenance/Marina/Pro Shop gas pumps, etc. that have leaks or are involved in a collision.

1. Call “911” advise the dispatcher of the chemical and type of truck and request the fire department.
2. Evacuate residents within a 500-foot perimeter. Tell homeowners they can stay inside, rather than evacuate, if they stay inside until otherwise advised and to close all windows, vents, and doors.
3. Contact:
 - a. Manager of Safety and Security
 - b. General Manager
 - c. Maintenance Manager
 - d. Manager of Communication
 - e. Board of Directors President
4. Re-Route traffic away from the scene.
5. Assist in arranging the clean-up of the spill.

C. DAM BREAK/FLOOD

1. Call “911” and advise them of the incident including the magnitude of the incident.
2. Implement the *Dam Emergency Action Plan* Operating Procedures immediately.

D. TORNADO

SEVERE WEATHER – TORNADO WATCH

1. All staff shall be alerted of conditions.
2. Staff shall be on the alert for WARNING announcements.
3. Unlock doors to Nixon Beach Bath House (Seasonal: April 1 – December 1).

SEVERE WEATHER SHELTERS

In case of severe weather warning, the following areas have been designated as severe weather shelters:

- Marina – Restrooms
- Association Clubhouse – Restrooms; Storage Room; Kitchen; Library
- Office - Breakroom
- Pro Shop – Storeroom; Men’s Restroom
- Maintenance & Building Department – Lower Level
- Recycling Center – Lower Level of Maintenance Building
- Pool – Shower Rooms and Lower-Level Hallway
- The Cove Restaurant – Restrooms; Management office; Kitchen Service Areas
- Nixon Beach – Restrooms

TORNADO WARNING

1. All staff shall announce the Warning (over PA system – Campground, Pro Shop/Golf Course, Nixon Beach and Pool, when available or sounding alert system) to all present and give directions to shelter areas.
2. Follow Directions of Code Red. **Tornado Siren should have been set off by Jo Daviess County notifying the public.**
3. Advise population of relocation areas:
4. Contact:
 - a. “911”
 - b. All Security, Maintenance, Office, and Pool personnel
 - c. Safety and Security Manager
 - d. General Manager
 - e. Maintenance Manager
 - f. Board of Directors President

TORNADO TOUCHDOWN

1. Set up command post.
2. Assign an ACL employee to the command post to log each department as they arrive and to allow only authorized personnel into the command post.
 - A. Authorized Personnel from ACL:
 - a. Safety & Security Manager
 - b. General Manager
 - c. Department Managers
 - d. Board of Directors President
3. Assess the situation for additional personnel and/or equipment needed.
4. Assess damage and take photos/drone video for insurance carrier
5. Develop a Post-Emergency Action Plan

E. BUILDING EVACUATION

If it is necessary to evacuate the property or a portion thereof:

1. Stop all work activities immediately.
2. If evacuation is due to a bomb threat, specifically, do not use any electronic equipment such as portable radios, cell phones, or public address system during the evacuation (See Bomb Threats).
3. For other evacuations, if available, use word of mouth, blowhorn, or telephone system(s) in the building(s) to make the announcement: "May I have your attention, please. An emergency in the building makes it necessary to evacuate the building immediately. Please move to the nearest emergency exit now and meet at the designated area: XXX.
4. Security staff will direct people to the nearest safe exit.
5. Assign one Security or regular staff member to every evacuation exit.
6. To the extent possible, assist any special needs staff or guests that require assistance.
7. Instruct evacuating individuals to stay low if smoke is present.
8. Do not stop to get personal items. Take coats, keys, laptops, cell phones and purses if getting such items does not delay evacuation.
9. Check any side rooms, restrooms, or break rooms in the path to the nearest and safest exit. Close all doors along the way.
10. If there are hazardous vapors, close air ducts, or mists, turn off all sources of ignition. Do not turn off lights or other switches on the way out due to the potential of sparking.
11. If it does not threaten anyone's safety, lock all cashboxes and secure cash-equivalent items.
12. Verify employees and guests are out of the building based on work schedules and property occupancy.
13. Separate people into small groups if a major event is occurring.
14. Assign one Security staff to meet with law enforcement or firefighters. That person will direct them to the cause of the evacuation (i.e., fire), describe details about the emergency incident, how many people are unaccounted for and may still be in the building, and provide information about any injuries.
15. Do not assume that it is safe to return to the building until the Incident Commander announces and authorizes that it is safe to return.
16. When the "All Clear" is given by the Emergency Responders:
 - a. Make the announcement: "May I have your attention. We have been issued an "All Clear" to return to the building. Thank you for your cooperation."
 - b. Return to the building.
 - c. Conduct a post-emergency review of the response effort to enhance procedures.

F. BOMB THREAT

All team members receiving a bomb threat should remain calm, listen closely to the caller, and complete as much of the Bomb Threat Checklist as possible (See Bomb Threat Checklist). Please ensure that all phones have a copy of the Bomb Threat Checklist readily available.

Upon being notified of a bomb threat, immediately call 911 and follow their instructions. Should the need to evacuate your building present itself utilize the Building Evacuation Plan.

1. Evacuate the area immediately. This may include not only the immediate area around the package, but the area(s) or other buildings around the area.
 - a. Threat Area: Pool (Also evacuate Clubhouse, The Cove, and Marina)
 - b. Threat Area: Maintenance (Also evacuate Campground)
 - c. Threat Area: Clubhouse (Also evacuate Pool, The Cove, and Marina)
 - d. Threat Area: The Cove (Also evacuate Pool, Clubhouse, and Marina)
 - e. Threat Area: Pro Shop (Also evacuate golf course; Maintenance Garage in Marina; Marina)

- f. Threat Area: Marina (Also evacuate Clubhouse, Pool, Maintenance Garage and Golf Course & Proshop)
- g. Security should notify boaters on lake to remain stabilized in a certain area until an all clear is given.

2. If you find a suspicious package, do not touch the package, as movement may cause it to detonate.

When evacuating the building due to a bomb threat, please:

- If activity or event is occurring, separate people into small groups and not one big cluster. The person who made the bomb threat may target people at a designated area.
- Do NOT use electronic equipment. These can make a bomb to go off. Examples are:
 - Cell Phones
 - Walkie-Talkies and Two-Way Radios
 - Beeper/Pager Systems
 - Wireless Network Devices (i.e., routers; laptops)

After ensuring the safety and security of all guests and employees, document events as they occur or as soon as possible after the fact:

- What happened during the situation?
- When did it take place (time)?
- Who was involved, including any witnesses?

BOMB THREAT CHECKLIST

Keep the caller on the phone if possible – do not hang up on the caller. Obtain important facts such as the incoming number if captured on caller ID.

Date of Call? _____
Time of Call? _____
Length of Call? _____
Sex of Caller? _____
Race of Caller? _____
Age of Caller? _____
Number call was received at _____

Ask Pointed Questions:

When will the bomb explode?
Where is the bomb located? (Exact as possible)
What does the bomb look like?
What kind of Bomb is it?
What will cause the bomb to explode (i.e., remote control, fuse, kicking it, etc.)?
Why are you doing this?
What did you say your name was?
Did you place the bomb? If not the caller, then who?
What is your address?
Where are you calling from?
If possible, provide the exact wording of the threat:

CALLER'S VOICE

CALM	ANGRY	EXCITED	SLOW	RAPID	GUTTURAL	
SOFT	LOUD	LAUGHTER	CRYING	NORMAL	DISGUISED	
DISTINCT	SLURRED	NASAL	STUTTER	LISP	ACCENT	
YOUNG	MIDDLE-AGE	OLD	FAMILIAR	RASPY	DEEP	WHISPER

BACKGROUND NOISES

INDOORS	OUTDOORS	STREET NOISES	GLASSWARE/BAR/PUB
VOICES	PA SYSTEM	MUSIC	HOUSE NOISES
OFFICE	FACTORY	ANIMALS	CAR/TRUCK MOTOR
CLEAR	STATIC	LOCAL	LONG DISTANCE
PHONE BOOTH	OTHER _____		

Notify your Supervisor/Security Time of Notification: _____
Name of Employee Taking Call/Completing Form: _____

G. ACTIVE SHOOTER

An Active Shooter is an individual actively engaged in killing or attempting to kill people in a confined and populated area; in most cases, active shooters use firearms and there is no pattern or method to their selection of victims. Active shooter situations are unpredictable and evolve quickly. Typically, the immediate deployment of law enforcement is required to stop the shooting and mitigate harm to victims. Because active shooter situations are often over within 10 to 15 minutes, before law enforcement arrives on the scene, individuals must be prepared both mentally and physically to deal with an active shooter situation.

Responding to an Active Shooter Incident

1. Assess the Situation

- A. Determine where you are in relation to the perpetrator.
- B. Determine if there is a viable escape route to exit the situation.
- C. Call 911 and initiate Code Red to warn area residents/property owners.
- D. When First Responders arrive, follow their directions.

2. Weigh Your Options:

A. **RUN** – If there is an accessible escape path, attempt to evacuate the premises. Be sure to:

1. Have an escape route and plan in mind.
2. Leave your belongings behind.
3. Encourage others to evacuate.
4. Exit with arms in the air, keeping your hands visible.
5. Educate others entering the building to remain outside and out of sight.

B. **HIDE** – If evacuation is not possible, find a place to hide.

1. Look for cover.
2. Hide behind large items (i.e., cabinets, desks).
3. Lock doors, if possible.
4. Silence mobile devices.

C. **FIGHT** – As a last resort, and only when your life is in imminent danger, attempt to disrupt or incapacitate the shooter by:

1. Acting as aggressively as possible against him/her.
2. Throwing items and improvising weapons.
3. Yelling.
4. Committing to your actions.

Reacting when law enforcement arrives:

1. Remain calm and follow officers' instructions.
2. Put down any items in your hands (i.e., bags, jackets).
3. Immediately raise your hands and spread your fingers.
4. Always keep your hands visible.
5. Avoid making quick movements towards officers.

Managing the Consequences of an Active Shooter Incident

After the active shooter has been incapacitated and is no longer a threat, human resources and/or management should engage in post-event assessments and activities, including:

1. Accounting of all individuals at a designated assembly point to determine who, if anyone is missing and potentially injured.
2. Assessing the psychological state of individuals at the scene and refer them to health care specialists accordingly.

H. AIRPLANE CRASH

1. Call 911 and evacuate building or area as soon as possible.
2. Maintain the scene area.
3. Assist Emergency Management as Necessary.

I. UTILITY/POWER DISRUPTION

In the event of any interruption to utility service (propane, electric, water, etc.) Security personnel should contact the appropriate utility company.

If an outage is anticipated to cause serious interruption to the operation or services provided to an ACL facility, contact Maintenance Manager and Security personnel.

For any issues involving any Association utilities, the Security staff should assure the safety and security of all employees, document events as they occur or as soon as possible after the fact by completing an incident report. The following questions should be answered:

1. What happened during the situation?
2. When did it take place (time)?
3. Who was involved?

For any water emergencies:

1. Attempt to determine the cause and extent of any water loss or shortage.
2. Consult with maintenance staff and/or water provider. Follow any recommendations and/or requests that they provide.

Broken Water Pipe

1. If possible, shut off the valve controlling the source.
2. Contact Maintenance Staff and/or water provider – depending on the incident.
3. Elevate furniture and equipment off the floor to prevent water damage.
4. Make sure that there are no potential electrical hazards. If necessary, shut off electricity to the unit or facility and/or contact the electric company for assistance (see Utility/Power Directory).
5. Determine if the building should be evacuated. Evacuate if needed.

Loss of Power

1. Determine whether the power outage is wide-spread or limited to your location.
2. If the surrounding area is affected, contact your local electric company to report the outage and ask about the cause of the outage and estimated time of power restoration.
3. If just your building is affected, conduct a site inspection to determine any obvious reasons for the power outage.
4. Contact Maintenance Staff to check the electrical circuit breakers to be sure all are on and working properly.
5. If needed, contact your local electric company to report the outage and request repair services.
6. If Association property needs a generator, contact the Maintenance Staff. The Maintenance Staff should confirm the generator started properly and note fuel level. Depending on length of outage, fuel resupply may be needed. If utilizing a portable generator, make sure that it is placed in a well-ventilated area and operated in accordance with instructions provided by the manufacturer.

7. If outage is expected to be extended or there is significant impact to operations, make a Code Red Notice to Property Owners.
8. Close the swimming pool (unless the pool pump is on the generator) based on length of outage.
9. Turn off any computers and equipment that could be damaged when power is restored.
10. Use flashlights or light sticks in any areas not covered by emergency lighting or where batteries to emergency lights become drained.
11. Depending on the length of outage, consider identifying restroom facilities in an area not dependent on a water pump to supply toilets and faucets.
12. When power is restored, wait a few minutes before turning on equipment to help eliminate further problems caused by a sharp increase in demand.
12. The General Manager will determine if continued operations are NOT feasible.

J. Pandemic

In the case of a pandemic event, the Association will follow the pandemic guidelines as issued by the County, State and Federal agencies.

UTILITY CONTROL LOCATIONS

List the service or utility shut off locations to the buildings to use during an emergency. If the shut off location is in another part of the building that you do not have access to, then identify how you will gain immediate access (i.e. call Maintenance).

Marina

Service/Utility	Location Description
Electrical – Circuit Breakers	Leach room In Marina Behind Cash registers on wall
Electrical – Main Switch	Down the trail off to the left up on hill
Gas – Main Valve	Down in pit in front of Marina
HVAC Control	Leach room In Marina
Propane Tank – Valve	Down the trail off to the left up on hill
Water – Main Valve	Leach room

Security

Service/Utility	Location Description
Electrical – Circuit Breakers	Leach room In Marina
Electrical – Main Switch	Down the trail off to the left up on hill
Gas – Main Valve	Down in pit in front of Marina
HVAC Control	Leach room In Marina
Propane Tank – Valve	Down the trail off to the left up on hill
Water – Main Valve	Leach room

Fish House

Service/Utility	Location Description
Electrical – Circuit Breakers	Panel inside fish house
Electrical – Main Switch	Marina Panel
Gas – Main Valve	None
HVAC Control	None
Propane Tank – Valve	None
Water – Main Valve	Underneath cleaning station

Old Maintenance

Service/Utility	Location Description
Electrical – Circuit Breakers	Wood shop on wall
Electrical – Main Switch	On pole by propane tank
Gas – Main Valve	On tank
HVAC Control	Below heaters gas valves
Propane Tank – Valve	South side of building
Water – Main Valve	Inside building in woodshop below water heater.

Golf Maintenance

Service/Utility	Location Description
Electrical – Circuit Breakers	Panel in lift room back right-hand side
Electrical – Main Switch	Inside the lift room
Gas – Main Valve	No gas
HVAC Control	none
Propane Tank – Valve	None
Water – Main Valve	Chemical room

Cove

Service/Utility	Location Description
Electrical – Circuit Breakers	Behind the Bar, Kitchen, and 4 in closet behind waitress stations
Electrical – Main Switch	
Gas – Main Valve	
HVAC Control	Sub panel off the kitchen box
Propane Tank – Valve	Behind the dumpster
Water – Main Valve	Behind the waitress station

Pro Shop

Service/Utility	Location Description
Electrical – Circuit Breakers	Backroom side door
Electrical – Main Switch	Outside close to Marina view
Gas – Main Valve	None
HVAC Control	Attic
Propane Tank – Valve	Outside patio
Water – Main Valve	Side room by refrigerator

Nixon Beach

Service/Utility	Location Description
Electrical – Circuit Breakers	Guard shack, closet in men's bathroom
Electrical – Main Switch	Closet men's bathroom or behind building at meter
Gas – Main Valve	No Gas
HVAC Control	Closet in men's bathroom
Propane Tank – Valve	No Gas
Water – Main Valve	Closet in men's bathroom

Campground

Service/Utility	Location Description
Electrical – Circuit Breakers	Outside Utility Closet
Electrical – Main Switch	Outside Utility Closet
Gas – Main Valve	None
HVAC Control	Outside Utility Closet
Propane Tank – Valve	Behind Bathhouse yellow stake
Water – Main Valve	Outside Utility Closet

Clubhouse

Service/Utility	Location Description
Electrical – Circuit Breakers	Break room behind curtain, cleaning closet, PA sub panel
Electrical – Main Switch	Break room
Gas – Main Valve	None
HVAC Control	Break room closet
Propane Tank – Valve	Left side of the building
Water – Main Valve	Break room closet underneath water heater
Main for Annex, Clubhouse and Pool	Corner of parking lot tool needed by maintenance

Annex

Service/Utility	Location Description
Electrical – Circuit Breakers	Storage room
Electrical – Main Switch	Storage room
Gas – Main Valve	None
HVAC Control	Storage room
Propane Tank – Valve	Same as clubhouse
Water – Main Valve	Utility closet downstairs

Pool

Service/Utility	Location Description
Electrical – Circuit Breakers	In pump room
Electrical – Main Switch	In Pump room or Annex storage building
Gas – Main Valve	none
HVAC Control	In the Pump room
Propane Tank – Valve	Behind pump house in the ground
Water – Main Valve	Utility closet downstairs

Old Firehouse

Service/Utility	Location Description

Electrical – Circuit Breakers	Main garage
Electrical – Main Switch	Main garage
Gas – Main Valve	None
HVAC Control	Fitness room closet
Propane Tank – Valve	Behind building
Water – Main Valve	Main bay all the way back

Maintenance

Service/Utility	Location Description
Electrical – Circuit Breakers	Lower-level west wall
Electrical – Main Switch	Poll in the back
Gas – Main Valve	On tank
HVAC Control	Attic
Propane Tank – Valve	East side of building
Water – Main Valve	Utility closet downstairs

K&S

Service/Utility	Location Description
Electrical – Circuit Breakers	Northeast corner of shop
Electrical – Main Switch	Northeast corner of shop
Gas – Main Valve	Parking lot
HVAC Control	Lunchroom, main bay and office
Propane Tank – Valve	Parking lot
Water – Main Valve	Bathroom by main office under sink

Dump

Service/Utility	Location Description
Electrical – Circuit Breakers	Utility Pole backside of building
Electrical – Main Switch	Utility Pole backside of building
Gas – Main Valve	None
HVAC Control	None
Propane Tank – Valve	None
Water – Main Valve	Maintenance building

XIII. PROVISIONS FOR UPDATING THE PLAN

The Safety and Security Manager has the primary responsibility to maintain the ACLPOA Emergency Plan. This includes collecting new information and making changes in: Chain of Command, communication equipment, phone numbers, personnel, resources, and emergency operation procedures. Each department head will assist the Security Manager in maintaining this plan by forwarding changes as they occur.

A standard method for reviewing and updating this plan will be performed under the following conditions:

1. Review and revise annually.
2. Revise as changes occur in personnel, equipment, resources, reporting methods, and operating procedures.
3. Revise as new emergency management services are established.
4. Revise as new information and techniques are discovered that improve the efficiency and overall effectiveness of the emergency management system.
5. Review and revise after an actual emergency or emergency has occurred and each responding agency critiques the emergency response.

XIV. SUMMARY

In any emergency requiring extensive mobilization of personnel to meet the demands of the situation, a series of adaptations in the organizational procedures occur. Major adaptations include recall and redeployment of field personnel, extending of shift schedules and curtailment of non-emergency services. Because of the many variables involved, a high degree of flexibility must be maintained. Efforts will be directed to handle the emergency incident as effectively as possible, utilizing the options available to Management personnel.

XV. APPENDICIES

A. APPLE CANYON LAKE HELICOPTER LANDING ZONES

Site 1 – ACL Parking Lot 14A159 Canyon Club Drive

Coordinates: Latitude – North 42 Degrees, 25 Minutes, 14.0 Seconds
Longitude – West 90 Degrees, 09 Minutes, 23.4 Seconds

Site 2 – Harding Ct. Cul-De-Sac 12A198 Harding Ct

Coordinates: Latitude – North 42 Degrees, 25 Minutes, 10.5 Seconds
Longitude – West 90 Degrees, 10 Minutes, 31.3 Seconds

Site 3 – Greenway 13A101 West Apple Canyon Rd

Coordinates: Latitude – North 42 Degrees, 25 Minutes, 55. 5 Seconds
Longitude – West 90 Degrees, 10 Minutes, 33.4 Seconds

Site 4 – Cul-de-sac 5A106 Buckhorn Ct

Coordinates: Latitude – North 42 Degrees, 26 Minutes, 48.9 Seconds
Longitude – West 90 Degrees, 09 Minutes, 57.7 Seconds

Site 5 – Greenway 8A86 Independence Dr

Coordinates: Latitude – North 42 Degrees, 26 Minutes, 5.4 Seconds
Longitude – West 90 Degrees, 09 Minutes, 19.7 Seconds

This page was faxed to the following Helicopter services:

- | | | |
|---|--|--|
| 1. REACT
Rockford, IL
800-637-3228
Fax 815-971-4120 | 2. LIFELINE
Rockford, IL
888-350-5433
Fax 815-395-5547 | 3. MED FLIGHT
Madison, WI
800-472-0111
Fax 608-262-7928 |
| 4. MED FORCE
Quad Cities
866-633-6723
Fax 563-326-4988 | 5. TRINITY AIR EVAC
Quad Cities
800-247-3822
Fax 877-222-5010 | 6. AIR CARE 3
Dubuque, IA
800-272-6440
Fax 563-589-9884 |

B. ACL EQUIPMENT LIST

QUANTITY	DESCRIPTION
1	Backhoe
2	Skid loaders
3	1-ton 4x4 Dump-truck
3	John Deere Utility Tractors
1	Rear Mounted Blade
1	2" Trash Pump
1	Portable Generator
1	Torch Set
1	16' Jon Boat
6	24' Pontoon Boats (+Rentals)
5	4x4 Pick-up Trucks
1	Front-Mounted Skid Steer/Grader
5	ACL Trucks/Van
5	UTV/Golf Cart

Local Contractors with Heavy Equipment:

Civil Constructors, Inc.	815-235-2200 or 815-858-2657
Gary Saam Construction	815-845-2234
Redfern Earth Moving	815-858-3438
Windy Hill Construction	815-777-4740

C. RESOURCE LIST

ACL:	General Manager	815-492-2238 (Office)
	Safety and Security Manager	815-492-0090 (Pool Office)
	Julie Janssen	815-266-1835 (Cell)
	On Duty Officer	815-492-2436
	Maintenance Manager	815-492-2167 (Office)
	Ed Ziarko	815-858-4119 (Cell)
	Building Inspector	815-492-0900 (Office)
	Joe Wiener	815-297-2257 (Cell)
	Communications Manager	815 492-2769 (Office)
	Tim Brokl	815-858-5242 (Cell)
Jo Daviess Sheriff's Dept:	Emergency	911
	Dispatch	815-777-2141
Emergency Management	Mike Simmons	815-281-2600
IDNR Dam Management	Paul Mauer	217-782-4427 (Office)
Illinois Dept. of Conservation:	Police	815 239-1152
	Capt. Laura Petrakis	309-230-7033
	Sgt. Tony Petrakis	309-230-7031
Local Agencies:	Jo Carroll Energy	815-858-2207 800-858-5522
	Verizon Telephone	800-483-1000
	ACL Water Utilities (Prairie Path)	800 831-2359 (Office) 815 858-4256 (Cell)
	Tim Brant	815-541-0149 (Cell)
	Thompson Township	815-291-8394
	Garbage (Montgomery Trucking)	800-775-0672
	Mulgrew Oil (Gas pumps)	815-988-7560
	FS (ACL LP, COVE)	815-235-7400

**Apple Canyon Lake
Property Owners'
Volunteer
Policies and Procedures
Manual**

January 2019

Table of Contents

Volunteer Corps Mission Statement	25
Section 1 – General Volunteer Policy	25
1.a Utilization of Volunteers	25
1.b Definition of “Volunteer”	25
1.c Purpose of Volunteer Policies	25
1.d Scope of Volunteer Policies	25
1.e Role of the Volunteer Coordinator	26
1.f Employees as Volunteers	26
1.g Scope of Volunteer Involvement	26
1.h Safety and Welfare of Volunteers	26
1.i Safety and Welfare of Participants	27
1.j Evaluation of Volunteer Program	27
Section 2 – Rights and Responsibilities	27
2.a Relationship Between Volunteer and ACLPOA	27
2.b Maintenance of Records	27
2.c Timesheets	28
2.d. Work Site	28
2.e Dress Code	28
2.f Right to Reject Services/Termination	28
2.g Resignation	28
Section 3 – Recruitment and Training of Volunteers	29
3.a ACLPOA Requests for Volunteers	29
3.b Orientation	29
Section 4 – Supervision and Evaluation of Volunteers	29
4.a Supervision of Volunteers	29
4.b The Volunteer as Volunteer Supervisor	29
4.c Volunteer/Staff Relationships	29
4.d Lines of Communication	29
4.e Standards of Performance	30
4.f Request for Volunteer Feedback	30
Section 5 – Volunteer Support and Recognition	30
5.a Access to ACLPOA Property and Materials	30
5.b Insurance	30
5.c Informal Recognition	30
Section 6 – Appendices	31
6.a Volunteer Job Description	32
6.b Timesheets and Sign-In Forms	34
6.c Volunteer Enrollment Paperwork	35

Apple Canyon Lake Property Owners' Volunteer Policies and Procedures Manual

Volunteer Corps Mission Statement

The mission of the Apple Canyon Lake Property Owners' Association (ACLPOA) Volunteer Corp is to actively promote a mutually rewarding relationship between volunteers who offer their talents, skills and time and staff who will support them in their efforts to cooperatively foster stewardship of Apple Canyon Lake Property Owners' Association (ACLPOA).

Section 1 – General Volunteer Policy

1.a Utilization of Volunteers

Apple Canyon Lake Property Owners' Association (ACLPOA) is best served by the active participation of its citizens in all aspects of community life. Through involvement in environmental and special event activities, as well as recreation, our members of all ages learn more about ACLPOA while forming strong bonds with one another. To this end, ACLPOA accepts and encourages the involvement of volunteers within all appropriate programs and activities. All staff members, as well as others in leadership roles, are encouraged to assist in the creation of meaningful and productive roles for volunteers.

1.b Definition of "Volunteer"

A "volunteer" is anyone, who without compensation, performs a task at the direction of and on behalf of Apple Canyon Lake Property Owners' Association. A "volunteer" must be officially registered and/or enrolled by ACLPOA prior to performance of the task. Volunteers shall not be considered an "employee" of ACLPOA.

1.c Purpose of Volunteer Policies

The purpose of these policies is to provide overall guidance, structure, and direction to staff and volunteers throughout the volunteer process. These policies do not constitute, either implicitly or explicitly, a binding contractual or personnel agreement. Apple Canyon Lake Property Owners' Association reserves the right to change any of these policies at any time and to expect adherence to the changed policy.

1.d Scope of Volunteer Policies

Unless specifically stated, these policies apply to all non-elected and non-appointed volunteers in all programs and projects undertaken on behalf of Apple Canyon Lake Property Owners' Association.

1.e Role of the Volunteer Coordinator

The overall Apple Canyon Lake Property Owners' Association Volunteer Corps will be initiated and formed by the Communication Manager. The productive utilization of volunteers requires a planned and organized effort. The Communications, in collaboration with the Association managers, is responsible for supervising the volunteer programs, thus, performs as the Volunteer Coordinator for ACLPOA. This position is to provide a central contact, offering coordinated and effective management under the ACLPOA guidelines for the benefit of staff and volunteers in their efforts to provide productive services.

1.f Employees as Volunteers

Apple Canyon Lake Property Owners' Association accepts the services of staff as volunteers. This service is accepted provided that the volunteer service is:

- a. Provided totally without any coercive nature.
- b. Involves work which is outside the scope of normal staff duties; and,
- c. Is provided outside of usual working hours.

1.g Scope of Volunteer Involvement

Volunteers may be utilized in many programs and activities at Apple Canyon Lake Property Owners' Association and serve at appropriate levels of skills as determined by the Volunteer Coordinator. Volunteers should not, however, be utilized to displace any paid employees from their positions.

A scope of volunteer service description will be provided to every individual outlining the general policies and procedures for volunteering. As appropriate some volunteer positions will have an additional form attached outlining specific duties for that job. Each general description will include:

- a. The general responsibilities of volunteers.
- b. Timesheet and recording reporting.
- c. Reporting and supervision responsibilities.
- d. Training and orientation prior to performing work; and,
- e. Personal protective equipment to be provided.

1.h Safety and Welfare of Volunteers

Of paramount importance is the safety and welfare of volunteers. Accepted common sense standards of behavior will be outlined prior to the performance of volunteer tasks/assignments. Supervisors are to be trained in basic First Aid and preferably CPR. A first

aid kit is to be on hand at all events. In the event of an injury, appropriate first aid is to be given, and the Security Department contacted to **immediately** complete an accident report. Access to telephone and/or radio communication should be available at all events.

All minors are to be directly supervised by an adult. No power tools are to be used by minor volunteers under the age of eighteen.

1.i Safety and Welfare of Participants

Of paramount importance is the safety and welfare of participants attending ACL events. Each event should have an Incident Action Plan in place a month prior and created by collaboration of Safety and Security, Recreation and Maintenance departments with the members of the commission planning the event. An Incident Action Plan template is included in the Appendix of the ACL Property Owners' Volunteer Policies and Procedures Manual.

1.j Evaluation of Volunteer Program

The Volunteer Coordinator and Association managers shall conduct an annual review of the Volunteer Corps policy and procedures. The general information gathered will consist of the number of volunteers used, number of volunteer hours served, projects, events and programs where volunteers were used. This report will be distributed at the annual Safety and Emergency planning meeting.

Section 2 – Rights and Responsibilities

2.a Relationship Between Volunteer and Apple Canyon Lake Property Owners' Association

Volunteers are viewed as a valuable resource to ACLPOA, its staff, and its residents.

Volunteers shall be extended the right to be given meaningful assignments, the right to be treated as respected co-workers, the right to effective supervision, the right to appropriate involvement and participation, and the right to recognition for work done.

In return, volunteers shall agree to actively perform their duties to the best of their abilities and to remain loyal to the goals and procedures ACLPOA.

2.b Maintenance of Records

A system of records will be maintained on each volunteer with the Communications Department including dates and hours of service, positions held, and awards received.

Volunteers and appropriate staff shall be responsible for submitting all appropriate records and information to the Volunteer Coordinator in a timely and accurate manner.

2.c Timesheets

Individual volunteers are responsible for the accurate completion and timely submission of timesheets. Volunteers working for ACLPOA must also sign in when beginning service and sign out when service is completed for that day on the appropriate forms.

(See Attachment II – Timesheets and Sign-In Forms)

2.d Work Site

The supervisor prior to the enrollment of any volunteer shall establish an appropriate worksite. The worksite shall contain necessary facilities, equipment, and space to enable the volunteer to effectively and comfortably perform his or her duties. Volunteer work sites are subject to the same safety requirements as are all ACLPOA work sites.

2.e Dress Code

As representatives of Apple Canyon Lake Property Owners' Association, volunteers, like staff, are responsible for presenting a good image to members and the Association. Volunteers shall dress appropriately for the conditions and performance of their duties. Volunteers will be issued the appropriate gear needed.

2.f Right to Reject Services/Termination

Apple Canyon Lake Property Owners' Association reserves the right to limit the use of volunteers, adjust the hours of any volunteer or to reject services as it, in its sole discretion, deems fit, in order to best achieve its purpose and policy. No employment of any other contractual right is created by these policies. Participation in any volunteer position at ACLPOA shall be open to any individual and no individual shall be discriminated against based upon race, color, religion, age, sex, national origin or physical, mental or sensory handicap, or based on any other characteristic protected by law. Grounds for rejecting services may include, but are not limited to: unsatisfactory background check, gross misconduct or insubordination, being under the influence of alcohol or drugs, theft of property, misuse of ACLPOA equipment or materials, mistreatment of clients or co-workers, failure to abide by ACLPOA policies and procedures, failure to meet the standards of performance relating to the essential functions of the volunteer position, and/or failure to satisfactorily perform assigned duties.

2.g Resignation

Volunteers may resign from volunteer service by communicating with the Communications department at any time. It is requested that volunteers who intend to resign provide advance notice of departure.

Section 3 – Recruitment and Training of Volunteers

3.a Apple Canyon Lake Property Owners’ Association Requests for Volunteers

The ACLPOA Apple Corps form is included in the annual assessment mailing. Individuals interested in serving on the Apple Corps should submit the form to the Communications Manager.

3.b Orientation

All volunteers will receive a general orientation on the nature and operation of the volunteer program and a specific orientation on the purposes and requirements of the volunteer work that they are accepting in that effort.

Section 4 – Supervision and Evaluation of Volunteers

4.a Supervision of Volunteers

Each volunteer with Apple Canyon Lake Property Owners’ Association must have a clearly identified supervisor who is responsible for direct management of that volunteer. This supervisor may be a staff person, a trained adult volunteer, or other designated person. This supervisor shall be responsible for day-to-day management and guidance of the work of the volunteer: and shall be available to the volunteer for consultation and assistance. An adult must supervise minors under the age of eighteen.

4.b The Volunteer as Volunteer Supervisor

After consulting with the Volunteer Coordinator or department manager, a volunteer may be assigned to act as a supervisor of other volunteers. The supervising volunteer is under the direction of the Volunteer Coordinator or department manager.

4.c Volunteer/Staff Relationships

Volunteers and staff are partners in implementing the mission and programs of the Department, with each having a complementary role to play. It is essential for the proper operation of this relationship that each partner understands and respects the needs and abilities of the other.

4.d Lines of Communication

Volunteers are entitled to all information pertinent to the performance of their work assignments except that information which Apple Canyon Lake Property Owners’ Association

deems to be confidential. Lines of communication operate in both directions and exist both formally and informally. Volunteers should be consulted regarding decisions that would substantially affect the performance of their duties.

Volunteers and their supervisors are responsible for regular communication with the Volunteer Coordinator. The Volunteer Coordinator shall be informed of any substantial change in the work or status of a volunteer and shall be consulted in advance of any corrective action.

4.e Standards of Performance

Standards of performance may be established for on-going volunteer positions. These standards may list the work to be done in that position, measurable indicators of whether the work was accomplished and appropriate timelines for accomplishment of the work.

4.f Request for Volunteer Feedback

The Department may, from time to time, seek feedback from its volunteers to improve its volunteer program.

Section 5 – Volunteer Support and Recognition

5.a Access to Apple Canyon Lake Property Owners' Association Property and Materials

As appropriate, volunteers shall have access to ACLPOA property and materials necessary to fulfill their duties and shall receive training in the operation of any equipment.

5.b Insurance

Liability and accident insurance are provided for all volunteers over the age of 14 engaged in volunteer work with Apple Canyon Lake Property Owners' Association. Coverage is through, Gallagher & Williams and Manny Arthur J. Gallagher & CO paid by the Association.

When appropriate, a copy of a volunteer's personal insurance information will be made, as personal insurance is always the primary coverage, with Gallagher & Williams and Manny Arthur J. Gallagher & Co as a secondary insurance.

5.c Informal Recognition

Thank you letters or emails, and/or verbal thanks are to be given to all volunteers as appropriate. All staff and volunteers responsible for volunteer supervision are encouraged to undertake on-going methods of recognition of volunteer service on a regular basis through the year. These methods of information recognition should range from a simple "Thank You" to a concerted effort to include volunteers as full participants in program decision-making and implementation.

Section 6 - Appendices

6.a Volunteer Job Description

6.b Timesheets and Sign-In Forms

Volunteer Sign-in Form – Volunteers need to sign in on this form when beginning work

6.c Volunteer Enrollment Paperwork

Volunteer Liability Release Form for Adults – This form is to be completed by all volunteers, adults and minor children, working projects for the Association including special events.

Volunteer Job Description

APPLE CANYON LAKE PROPERTY OWNERS ASSOCIATION

Apple Canyon Lake Property Owners Association

January 2020

Volunteer

FLSA STATUS: Nonexempt

REPORTS TO: Volunteer Coordinator or Member of Management Staff

POSITION SUMMARY: Helps the Association in a time of need. Most likely, but not limited to natural disasters, when Association labor is not sufficient to handle the increased workload. The role of the volunteer will be within their own capabilities hopefully at a capacity within their own experience or expertise

PRIMARY RESPONSIBILITIES AND ACCOUNTABILITIES:

- Work with the Volunteer Coordinator or Management staff to carry out the required tasks.
- Work with other volunteers to carry out the required tasks for the day, working as a team to be as efficient as possible as well as obtaining the goal for day.
- Communicate with the Volunteer Coordinator or Management staff to make sure that tasks are carried out properly and the correct resources are provided to accomplish the tasks.
- Use organization skills in order to complete different tasks in a timely effort
- Communicate to the Volunteer coordinator your experience or expertise so that you can be assigned a task that benefits the Association, but also uses the volunteer to the best of the ability
- Use the resources provided to carry out the required task
- Flexibility to work indoors or outside, sometimes during extreme weather conditions
- Able to work within their own personal schedule to help the Association

QUALIFICATIONS:

To perform this job successfully, an individual must be able to perform each essential job duty satisfactorily. The requirements are representative of the knowledge, skills, and/or abilities required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience: Not required, but communicate to the VC so that the Association can benefit from your expertise

Certificates or Licenses: Not required, but communicate to the VC so that the Association can benefit from your expertise

Skills and Abilities:

- To be able to work with a team with the resources provided to accomplish required tasks

Competencies:

- Strategic Thinking
- Mission Focused

- Organizing and Planning
- Problem Solving/Decision Making
- Communicativeness
- Interpersonal Skills

Physical Demands: Work will be performed sitting, standing, and walking. A lifting and carrying requirement will be forty (40) pounds.

GENERAL NOTICE:

This position description describes the general nature and level of work performed by the Volunteer assigned to this position and should not be interpreted as all inclusive. It does not state or imply that these are the only duties and responsibilities assigned to the position. The volunteer may be required to perform other job-related duties. All requirements are subject to change and to possible modification to reasonably accommodate individuals with a disability.

This position description does not constitute an employment agreement between the Association and volunteer and is subject to change by the employer as the needs of the Association and requirements of the position change.

Timesheets and Sign-In Forms

Volunteer Sign in

	Name	Mailing Address	Phone Number	Start Time	End Time
1					
2					
3					
4					
5					
6					
7					
8					
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11					
12					
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24					
25					
26					
27					
28					
29					

Volunteer Enrollment Paperwork

APPLE CANYON LAKE PROPERTY OWNERS ASSOCIATION VOLUNTEER LIABILITY RELEASE FORM

I, _____, have volunteered to assist Apple Canyon Lake Property Owners Association (ACLPOA) with a variety of projects and in a variety of capacities specifically located at the _____.

I have volunteered my time and services because of my support for ACLPOA and my desire to participate actively in the furtherance of its work and wellbeing. I understand that my activities as a volunteer entail a risk of physical injury or death and that I may be exposed to hazards arising from vehicular travel over both improved and primitive roads/trails, use of personal tools or equipment and strenuous manual labor. I expressly assume all risks associated with such hazards, as well as all other risks associated with or arising from my volunteer activities. Because the assertion of claims against ACLPOA for personal injury occurring during my volunteer service would be antithetical to my support of ACLPOA and its goals, I grant this release.

On behalf of myself, my estate and the personal representative thereof, my heirs and assigns, I hereby forever release, hold harmless, and defend ACLPOA, their officers, directors, employees and agents, from any and all costs, claims, losses, liabilities or damages arising from or in any way related to, my service as a volunteer in the above-described project above the limited coverage currently stated in ACLPOA's liability insurance.

I understand that ACLPOA has limited coverage for volunteers and I assert that I have medical coverage in case of an injury not supported by ACLPOA's coverage. I intend this release to be effective, regardless of whether the claim of liability is asserted in negligence, strict liability in tort, or other theory of recovery. For myself, my estate and the personal representative thereof, my heirs and assigns, I covenant and agree to make no claim, or to institute any suit, action or proceeding against either ACLPOA or its officers, directors, employees or agents, relating to any accident, incident or occurrence arising out of, or in connection with, my volunteer activities.

I have executed this release on _____, 20____. I am over 18 years of age.
 I am under 18 years of age.

Signature: _____ Address: _____

Print Name: _____ Phone: _____

Parent's Signature (if under 18 years of age): _____

Print Name: _____

Apple Canyon Lake Property Owners Association

Date

Memorandum



To: ACL Board

Date: May 10, 2022

From: Deer Management Commission

Memo #: 2022-58

Topic: Deer Management Commission Designated Fund request

Issue & Analysis: The Deer Management Commission is requesting that the Board approve use of their Designated Fund to purchase construction materials for targets at the Archery Range as outlined in the attached information. The Deer Management Commission is requesting a maximum of \$1,000 to be spent. The current balance in their Designated Fund is \$2,803.71.

The AECC reviewed the Deer Management Commission's plan to install the archery range equipment in the ACL Quarry at their May 7 meeting.

Recommendation: To approve the Deer Management Commission's request for up to \$1,000 from their Designated Fund to be spent to purchase construction materials for targets at the Archery Range. The targets will be placed at the ACL Quarry in accordance with the plans submitted to the AECC.

Apple Canyon Lake Property Owners Association Committee Motion Card

Deer Management Committee

Date 7/30/22

I Move:

The ACL Deer Management Commission is requesting funds for construction materials for targets at the archery range as outlined in the attached information

The Deer Management Commission is requesting a maximum of \$1,000 and will be taken out of designated funds

Action Taken

MOTION MADE BY: <u>Al Lutz</u>	VOTE RECORDED:
MOTION SECONDED BY: <u>Neil Steh</u>	YEA: _____
CHAIR: _____	NAY: _____
	ABSTAIN: _____

Date Received _____ Given to _____ Date Completed _____

Apple Canyon Lake Property Owners Association Committee Motion Card

Committee: AECC

Date: May 7, 2022

Agenda Item: 6.13

**I Move:
Regarding the Quarry**

To permit the Deer Management Commission to install archery range equipment in the ACL Quarry as per the submitted plans.

Action Taken

MOTION MADE BY: <u>To Tom O'Neil</u>	VOTE RECORDED:
MOTION SECONDED BY: <u>BB R. Bally</u>	YEA: <u>6</u>
CHAIR: <u>Debra</u>	NAY: <u>0</u>
	ABSTAIN: <u>0</u>

**APPLE CANYON LAKE PROPERTY OWNERS ASSOCIATION
ARCHITECTURAL AND ENVIRONMENTAL CONTROL COMMITTEE
BUILDING PERMIT APPLICATION**

PERMIT NO. 613

ISSUE DATE _____

OWNER'S NAME ACLPOA PHONE NO. _____ SUBDIVISION 5
 ADDRESS 14157 CANYON CLUB LOT NO. QUARRY
 BUILDER'S NAME _____ PHONE NO. _____ ACL PO NO. _____
 ADDRESS _____

GENERAL CARPENTRY CONTRACTOR (Name, Address, Phone)
CONCRETE CONTRACTOR (Name, Address, Phone)
ELECTRICAL CONTRACTOR (Name, Address, Phone)
HEATING CONTRACTOR (Name, Address, Phone)
MASONRY CONTRACTOR (Name, Address, Phone)
LANDSCAPING CONTRACTOR (Name, Address, Phone)
PLUMBING CONTRACTOR (Name, Address, Phone)
SEPTIC SYSTEM CONTRACTOR (Name, Address, Phone)
OTHER <u>DEER MANAGEMENT COMMISSION</u> (Name, Address, Phone)
RESIDENCE _____ ADDITION _____ REMODEL N.Y. _____ DECK _____ LANDSCAPING _____ OTHER <input checked="" type="checkbox"/> GARAGE _____ DRIVEWAY _____ PER DOCK _____ SHED _____ WATER FRONT _____ GENERAL _____

DESCRIPTION
INSTALL ARCHERY RANGE EQUIPMENT IN QUARRY.

REQUIRED INFORMATION FOR ARCHITECTURAL AND ENVIRONMENTAL CONTROL COMMITTEE ONLY

PLANS (3 SETS)	SEPTIC DESIGN w/ County Approval	WATER TAP FEE
PERMIT FEES	BOND FEES	TITLE RECORD
COUNTY BUILDING PERMIT	ENTRANCE PERMIT (Township)	OTHER

APPROVED BY JW 2/28/22

Notes

FEE: WAIVED

Total Permits Paid \$ 0

Owner/Builder Signature _____	DATE _____
AECC Signature _____	
AECC Signature _____	
AECC Signature _____	

THE ISSUANCE OF A BUILDING PERMIT DOES NOT RELEASE THE OWNER AND CONTRACTOR FROM ANY STRUCTURAL OR ELECTRICAL RESPONSIBILITY TO COMPLY WITH THE ACL BUILDING CODE AND ALL APPLICABLE STATE AND COUNTY REGULATIONS. NOTE: AN ON-SITE DUMPSTER IS REQUIRED FOR ALL NEW HOUSES AND MAJOR ADDITIONS/REMODELING.

Building Inspector

From: GORDON WILLIAMS <gordonwilliams5345@comcast.net>
Sent: Monday, April 18, 2022 1:54 PM
To: Building Inspector
Cc: Kim Rees
Subject: Fwd: Archery Range Target Box Design
Attachments: SAND TARGET BOX.jpg; Archery Range.pdf; IMG_20220326_125043948.jpg; IMG_20220326_125040429.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Good Afternoon Joe! In our board meeting this past Saturday, the Deer Management Commission (Kim Rees) had a workshop regarding the Archery Range located in the rock quarry. We presented some plans that we would like to implement. The plans consist of additional targets that would be permanently set in the quarry. Attached, are the examples Kim presented at the board meeting. I felt that the board was very receptive of everything that was presented. We wish to be on the agenda for the May AECC Meeting. We would like to present this to the AECC Board for approval. Kim will be giving the presentation. Would it be possible to be on the agenda May 7th ?

Gordy Williams
815-541-3160

----- Original Message -----

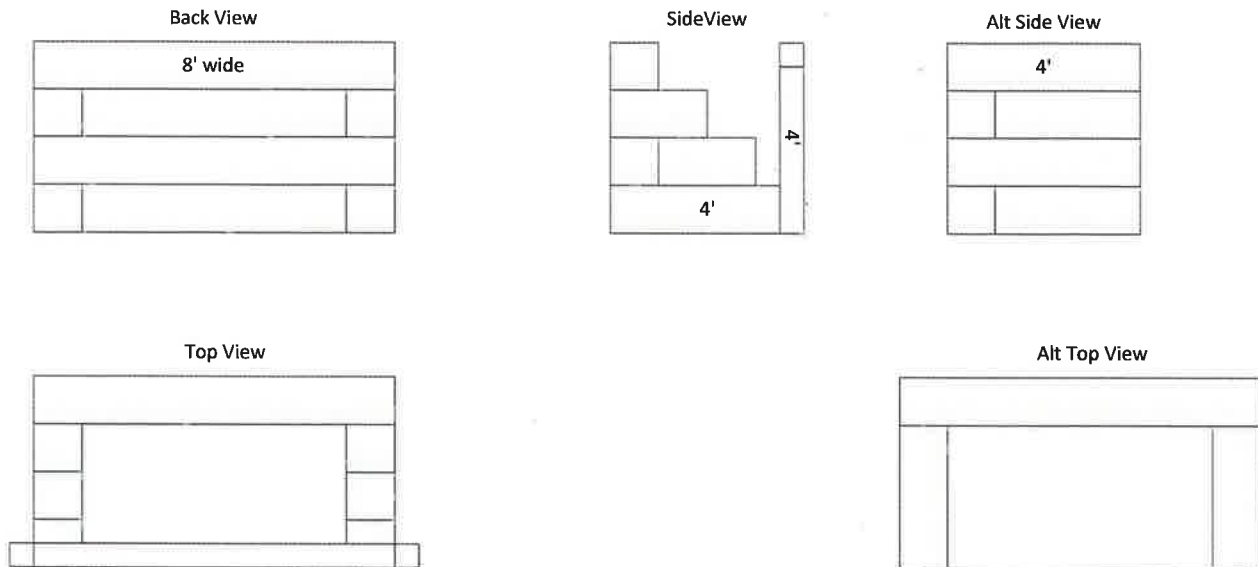
From: Jon Sonntag <jon@thesonntags.com>
To: Kim Rees <klrees75@yahoo.com>, Al Hendren <ahendren210@yahoo.com>, Al Lutz <KARLUTZ@msn.com>, Nick Gouskos <gouskong@ameritech.net>, Daniel Mamlic <danmamlic@sbcglobal.net>, Gordon Williams <gordonwilliams5345@comcast.net>, Shaun Nordlie <shaun.nordlie@applecanyonlake.org>, Gordon Ostrander <4ostrander@tds.net>, Ted Bluhm <bowhunter1029@att.net>, Jack Finley <finleyjack7@gmail.com>
Date: 03/31/2022 9:07 PM
Subject: Archery Range Target Box Design

Deer Mgmt Commission Members,

Attached is a PDF of the proposed archery range design as well as photos of the reclaimed barn wood and a smaller (3'x3') sand target box. Please review and let me know if you have any suggestions to improve the design. Prices are all from Menards for materials.

Jon

P.S. I'm not sure I'll be able to present at the workshop as we plan on spending Easter with my parents. So if anyone is willing to step up, let me know.



Two options for the target boxes have been provided for consideration. Both options use interlocking corners (like a log cabin). The first option uses stepped walls much like the existing concrete side walls that maintenance uses to hold rock and gravel at the quarry. This saves on material but will require a wood post on each front corner to attach the wire that will hold the targets. It also requires a stabilizing brace across the top of the posts so they don't bend inward given there is no support except at the very bottom.

The alternate side view shows a square side. In this design, no post or stabilizing brace is needed as the wire can be attached directly to the sides. A brace can be added if it appears that that sand pushes the sides apart.

We hope to use the reclaimed barn wood already at the quarry to create the target backdrops. (see photos showing the wood that's been lying there for a couple years). Since that is likely untreated lumber, the back and sides will likely last longer if lined with plastic to keep wet sand away from the timbers as well as putting 1-2" of gravel below the timbers so they are lying in a puddle of water after it rains. The timbers range from 8"x8" to 8"x18" in lengths over 20'.

We believe "pinning" the timbers by drilling holes and inserting rebar to hold it place will allow little, if any, movement.

Dimensions: 8 L' x 4' W x 4' H

The width will allow three 18"x18" square targets per target box. The target material is heavy paper, light cardboard or poster board. The arrow or crossbow bolt goes through the paper and is stopped by the sand. If the arrow misses the target box completely, the back wall of the quarry will stop the projectile, although hitting a rock wall will likely damage it.

The expected maintenance will entail pushing the sand back into the box and providing paper/light cardboard targets. The deer management commission intends to assist construction and maintenance under the guidance of ACL maintenance and approval by the AECC.

The multi-sport complex has a cabinet that holds sporting equipment available for people to use. We propose having a similar cabinet where paper targets can be stored. We could also foresee having some archery equipment (bows and arrows) there for people to use in the future.

With the board's approval, the deer management commission would like the costs to be taken from their designated fund.

Costs:

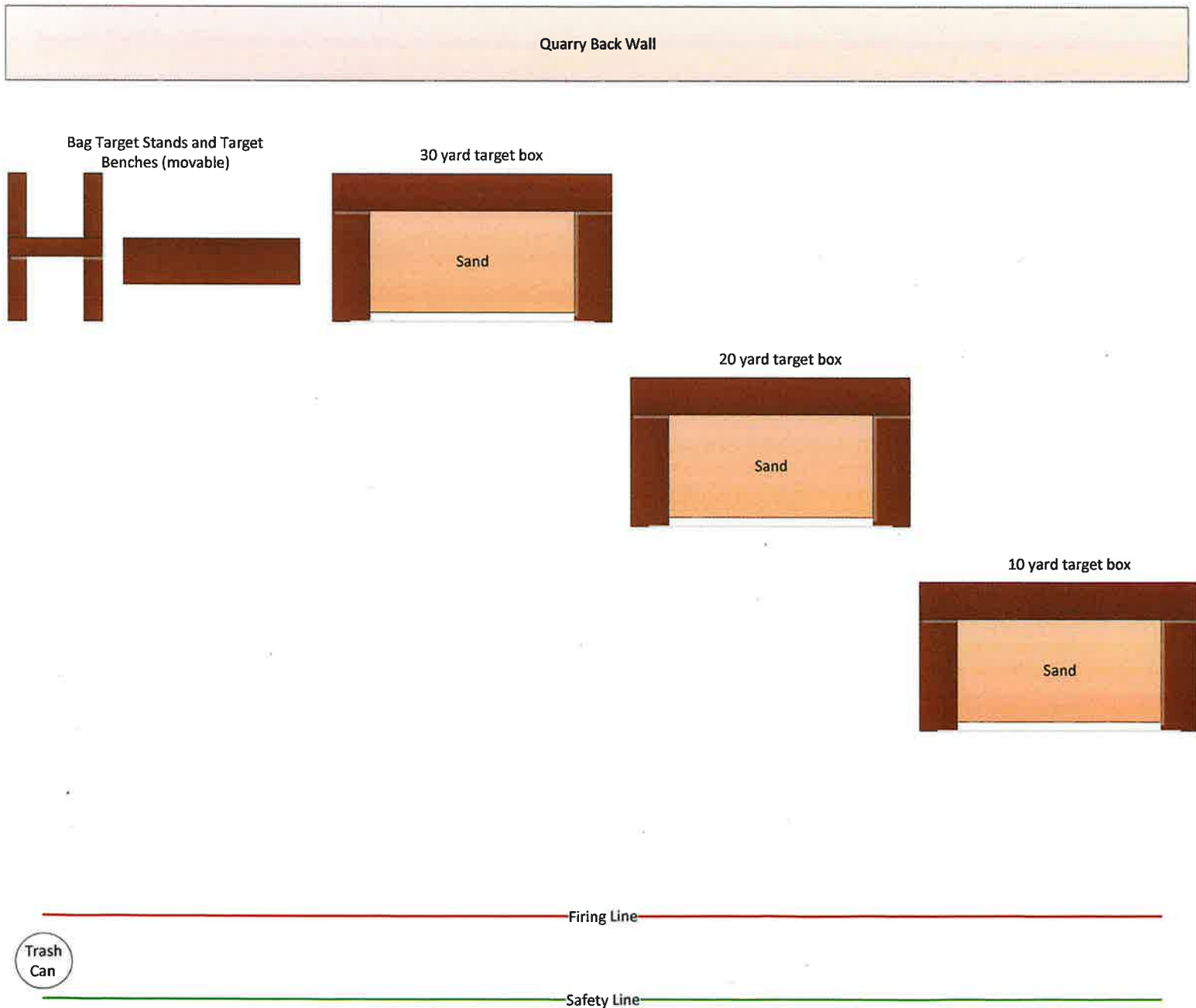
- Gravel: for under each target box (\$50?)
- Wood: \$0 - reclaimed lumber already in the quarry, AC2 treated 2"x2"x8' @ \$2 each = \$12
- Rebar or spikes: \$15 (three 3/8" x 20' fiberglass rebar)
- Plastic to line the wood in the target boxes: 48"x30 yards painters plastic - \$50
- Sand: Estimated \$400-\$600 (\$200/truck load @ 10 yards per load)
- Wire for suspending the targets: \$26 for 175' of 9 gauge galvanized wire
- Metal Clips to hold paper to the wire: \$10 for 100 binder clips of assorted sizes
- Target Paper/Cardboard: 18"x24" 100 count @ \$31
- Turnbuckles to tighten wire \$6-\$15

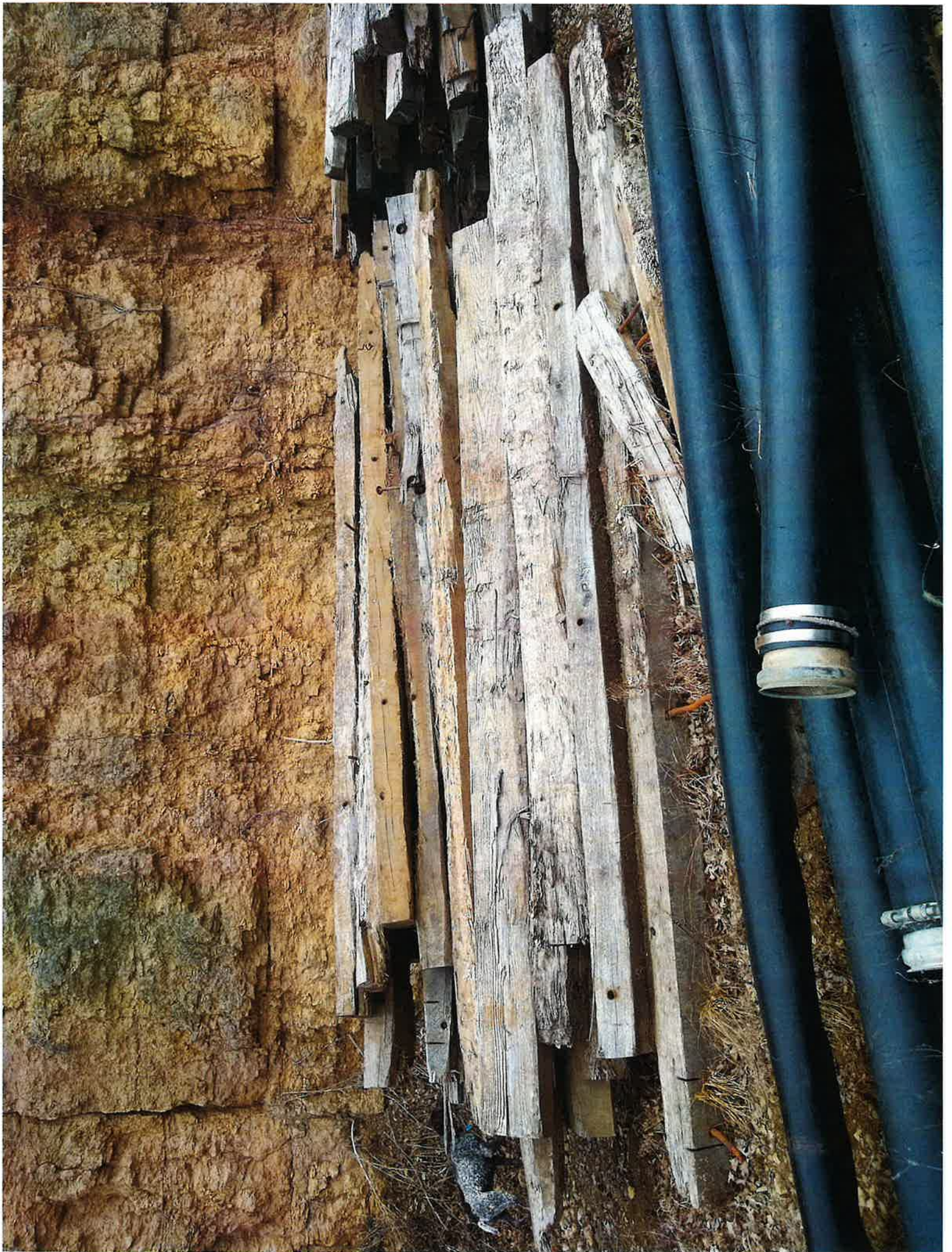
Tools:

- long drill bit to drill the rebar or spike holes
- small sledge or larger hammer to insert the rebar
- chainsaw to cut the timbers
- Staple gun and staples for the plastic liner
- Bobcat/ front end loader to move the sand and gravel
- Wire cutter

Each Target Box is filled with sand. A wire is run one foot below the top and across the front of each target box. Paper targets are hung from the wire with small spring clips in front of the sand. The target boxes will be set are 10, 20, and 30 yards from the firing line. Once in place and filled with sand, they will not be easily moved.

The footprint in the quarry is the same as it has been in the past using approximately 1/2 of the space in the back and to the left in the quarry. ACL has several target benches for use with block/foam targets and several suspended bag target stands that can be used in addition to the new target boxes.









Memorandum

To: ACL Board

Date: May 10, 2022

From: Conservation Commission

Memo #: 2022-55

Topic: Sunflower Garden

Issue & Analysis: The Conservation Commission is requesting that the ACL Board approve their request to plant a 10' x 50' sunflower garden between the trail and the dam.

Recommendation: To approve the Conservation Commission's request to plant a 10' x 50' sunflower garden between the trail and the dam.

Apple Canyon Lake Property Owners Association Committee/Commission Motion Card

Conservation Committee/Commission

Date 5/7/2022

I move:

The ACL Board approve the Conservation Commission's request to plant a sunflower garden between the trail and the dam, a plot 10' x 50'.

Action Taken

MOTION MADE BY: Angie Marsh
MOTION SECONDED BY: Henry Dodson
CHAIR: P. McLeary Weicher

VOTE RECORDED:
YEA: unanimous
NAY: 0
ABSTAIN: 0

Date Received 5/7/22 Given to Board Date Completed 5/21/22



Memorandum

To: ACL Board

Date: May 10, 2022

From: Conservation Commission

Memo #: 2022-56

Topic: Greenway Stewardship Program

Issue & Analysis: The Conservation Commission is requesting that the ACL Board approve their suggested amendments to the Greenway Stewardship Program Administration Procedures and the ACLPOA Greenway Stewardship Program Overview and Application to make the program more efficient for property owners.

Marked up and clean copies of both documents are included in the May Board packet.

Recommendation: To approve the amendments to the Greenway Stewardship Program Administration Procedures and the ACLPOA Greenway Stewardship Program Overview and Application as requested by the Conservation Commission.

Apple Canyon Lake Property Owners Association Committee/Commission Motion Card

Conservation Committee/Commission

Date 5/7/2022

I move:

The ACL Board approve the attached updates to the Greenway Stewardship administrative procedures and application in order to make the program more efficient for our residents.

Action Taken

MOTION MADE BY: Mary Hannon	VOTE RECORDED:
MOTION SECONDED BY: Mike Cammack	YEA: <u>unanimous</u>
CHAIR: P. McKeel Wiener	NAY: <u>0</u>
	ABSTAIN: <u>0</u>

Date Received 5/7/22 Given to Board 5/21/22 Date Completed

APPLE CANYON LAKE GREENWAY STEWARDSHIP ADMINISTRATION PROCEDURES

1. The ACL Property Owner obtains a Greenway Stewardship Program application from the Apple Canyon Lake website or from the office, completes the application page, and submits it to the General Manager or designee of ACLPOA.
2. The General Manager or designee will review the application, add it to the tracking form, notify the chairperson of the Conservation ~~Committee-Commission~~ (CC) of the property owner and lot number, and scan a copy of the application for the files. ~~A copy of the application should be forwarded to the~~ Natural Resources Manager or designee. ~~appropriate staff member to make that person aware of an upcoming project~~. ~~The original application is held in the office until the next CC meeting.~~
3. ~~At the next CC meeting the chairperson shall ask for two volunteers. These volunteers will take the original application, contact the ACL staff person, and arrange to view the project.~~
43. ~~The ACL staff member~~ Natural Resources Manager or designee and two CC volunteers will review the application, visit the site, and make any recommended changes (second page of the application) to the property owner. ~~The ACL staff member~~ The Natural Resources Manager or designee will prepare a brief report of his/her impressions and ~~forward it to the office to be included with~~ attach it to the original application.
45. The CC volunteers should bring the original application along with the staff report to the next scheduled CC meeting. The CC will review the application and any recommendations made by the ~~ACL staff member~~ Natural Resources Manager or designee and the designated CC volunteers for the site.
56. The CC will then vote to approve or disapprove the application and ~~notify the General Manager of their decision.~~ the Chair or Vice-Chair of the CC will then notify the Property Owners. The ACL Property Owner then acknowledges and agrees to any changes by signing the application.
67. The Property Owner will be given a copy of the entire completed and signed Stewardship application for his/her records and reference. The original will be filed in the ~~office~~ Greenway Stewardship binder.
78. The CC chairperson will notify the ~~ACL staff person~~ Natural Resources Manager or designee of the committee's decision. If there are trees to be removed as part of the approved project, the ~~ACL staff person~~ Natural Resources Manager or designee will tag the trees that will remain before the project is allowed to begin.
89. The Property Owner may contact either the CC volunteers or the ~~ACL staff member~~ Natural Resources Manager or designee if there are questions or problems as the project proceeds.
940. The General Manager or designee will regularly update the program tracking form with information provided by the CC.

104. CC volunteers assigned to a Stewardship project will monitor the project one month from the start date, then ~~quarterly the first year~~ at least twice a year thereafter or until the project is completed per the work outlined on the application. ~~This includes winter visits.~~

112. All projects will be monitored annually based on date of completion by the volunteers assigned to that project to determine whether the project is being maintained or not. This will provide important information to the CC that can be used to make future decisions about the effectiveness of the Greenway Stewardship program.

APPLE CANYON LAKE GREENWAY STEWARDSHIP ADMINISTRATION PROCEDURES

1. The ACL Property Owner obtains a Greenway Stewardship Program application from the Apple Canyon Lake website or from the office, completes the application page, and submits it to the General Manager or designee of ACLPOA.
2. The General Manager or designee will review the application, add it to the tracking form, notify the chairperson of the Conservation Commission (CC) of the property owner and lot number, and scan a copy of the application for the files. The application should be forwarded to the Natural Resources Manager or designee.
3. The Natural Resources Manager or designee and two CC volunteers will review the application, visit the site, and make any recommended changes (second page of the application) to the property owner. The Natural Resources Manager or designee will prepare a brief report of his/her impressions and attach it to the original application.
4. The CC volunteers should bring the original application along with the staff report to the next scheduled CC meeting. The CC will review the application and any recommendations made by the Natural Resources Manager or designee and the designated CC volunteers for the site.
5. The CC will then vote to approve or disapprove the application and the Chair or Vice-Chair of the CC will then notify the Property Owners. The ACL Property Owner then acknowledges and agrees to any changes by signing the application.
6. The Property Owner will be given a copy of the entire completed and signed Stewardship application for his/her records and reference. The original will be filed in the Greenway Stewardship binder.
7. The CC chairperson will notify the Natural Resources Manager or designee of the committee's decision. If there are trees to be removed as part of the approved project, the Natural Resources Manager or designee will tag the trees that will remain before the project is allowed to begin.
8. The Property Owner may contact either the CC volunteers or the Natural Resources Manager or designee if there are questions or problems as the project proceeds.
9. The General Manager or designee will regularly update the program tracking form with information provided by the CC.
10. CC volunteers assigned to a Stewardship project will monitor the project one month from the start date, then at least twice a year thereafter or until the project is completed per the work outlined on the application.
11. All projects will be monitored annually based on date of completion by the volunteers assigned to that project to determine whether the project is being maintained or not. This will provide important information to the CC that can be used to make future decisions about the effectiveness of the Greenway Stewardship program.

ALCPOA Greenway Stewardship Program Overview and Application

A healthy, natural greenway system is a vital component linked to the health of Apple Canyon Lake and supports the charming rural image we strive to maintain. The purpose of the program is to encourage ACL members to adopt a green space area and restore the native vegetation in that area. Since ACL was formed, many of these areas have lacked active management resulting in overgrowth. Non-native and invasive plants have also established themselves. Removing this growth will allow native vegetation to again establish itself in these areas.

GOALS

1. To encourage preservation, restoration, and enhancement of ACL's greenway.
2. To protect the lake and woodlands by ecological restoration, removal of invasive plants, and replacement of native plants if desired.
3. To recommend a maintenance program of continued care for the greenways at ACL.

PROCEDURES

1. The ACL Property Owner obtains a Greenway Stewardship Program application from the Apple Canyon Lake website or from the office, completes the application page only, and submits it to the General Manager or designee of ACLPOA.

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2. The General Manager or designee will review the application, ~~notify the Conservation Commission chair of the property owner and lot number for the application,~~ and forward it to the appropriate ACL staff member and the designated Conservation Committee member, Natural Resources Manager or designee.

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3. The ~~ACL staff member~~ Natural Resources Manager or designee and ~~designated two~~ Conservation Committee ~~Commission~~ members will review the application, visit the site, and make any recommended changes (second page of the application) to the property owner.

4. The Conservation ~~Committee~~ Commission will review the application and any recommendations made by the ~~ACL staff member~~ Natural Resources Manager or designee and the ~~designated volunteer committee commission~~ members for the site at their next scheduled meeting.

5. The Conservation ~~Committee~~ Commission will then approve or disapprove the application and the Conservation Chair will notify the General Manager of their decision. ~~The General Manager will then notify the Property Owners.~~ The ACL Property Owner then acknowledges and agrees to any changes by signing the application.

To ensure effective implementation of Greenway Stewardship applications, each applicant must understand that:

- All activities conducted must follow the approved plan.
- ACL staff must review the site during and at completion of the project
- Any prescribed burning must only be conducted with the direct supervision of ACL staff with the knowledge and approval of the General Manager or designee. Only ACL staff or ACL staff approved ecological restoration burn plans performed by an insured company are allowed in greenway areas.

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PROCEDURES

1. The ACL Property Owner obtains a Greenway Stewardship Program application from the Apple Canyon Lake website or from the office, completes the application page only, and submits it to the General Manager or designee of ACLPOA.
2. The General Manager or designee will review the application, notify the Conservation Commission chair of the property owner and lot number for the application, and forward it to the Natural Resources Manager or designee.
3. The Natural Resources Manager or designee and two Conservation Commission members will review the application, visit the site, and make any recommended changes (second page of the application) to the property owner.
4. The Conservation Commission will review the application and any recommendations made by the Natural Resources Manager or designee and the volunteer commission members for the site at their next scheduled meeting.
5. The Conservation Commission will then approve or disapprove the application and the Conservation Chair will notify the Property Owners. The ACL Property Owner then acknowledges and agrees to any changes by signing the application.

To ensure effective implementation of Greenway Stewardship applications, each applicant must understand that:

- All activities conducted must follow the approved plan.
- ACL staff must review the site during and at completion of the project
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Memorandum

To: ACL Board

Date: May 10, 2022

From: Garden Club

Memo #: 2022-57

Topic: Garden Club pumpkin patch request

Issue & Analysis: The ACL Garden Club is requesting permission to use the area adjacent to the ACL Maintenance building to grow pumpkins for:

- the clubhouse area
- the 17 ACL sign post gardens
- the Children's Garden and Adventure Program
- the fall Children's Garden Event - where each child receives their own pumpkin for free and decorates it.

By growing pumpkins ourselves, we could save between \$200 and \$400 depending on the price of pumpkins. This year we spent approximately \$200 and received 50 pumpkins through donations.

Thank you for your consideration. In order to have the pumpkins ready for fall and our fall Children's Garden event, we estimate planting seeds by June 1, 2022.

Recommendation: To approve the Garden Club's request to use the area adjacent to the ACL Maintenance building to grow pumpkins.

Memorandum

To: ACL Board

Date: May 12, 2022

From: Garden Club

Memo #: 2022-63

Topic: Garden Club Mann Tower request

Issue & Analysis: The Garden Club continues to beautify the lake property and create educational opportunities for all children and adults. With recent opportunities, the Garden Club is asking you to approve the below motions. All items are easily removed and can be relocated should future ACL development require that to happen.

1. Attach the metal posters to the Mann Tower as shown
2. Use ACL soil and mulch to level and enhance the area below the posters
3. Allow volunteers to do the work as soon as possible

The Board of Directors has previously approved putting up 2 educational signs. One is of birds of Illinois and the other is mammals of Illinois. This is a clarification for placement.



Recommendation: To approve the Garden Club's Mann Tower request.

Memorandum

To: ACL Board

Date: May 12, 2022

From: Garden Club

Memo #: 2022-64

Topic: Garden Club Balance Beams & Frog Hop request

Issue & Analysis: The Garden Club continues to beautify the lake property and create educational opportunities for all children and adults. With recent opportunities, the Garden Club is asking you to approve the below motion. All items are easily removed and can be relocated should future ACL development require that to happen.

To install Children's Adventure Balance Beams and Frog Hop:

1. 5 connected 4"x4" balance beams in a zig zag design, at the ground level, staked in the ground for safety
2. 10 wood disks made from tree stumps, at ground level similar to hopscotch layout, staked in the ground for safety
3. Using ACL soil and mulch, level the area underneath the beams and frog hop
4. Allow volunteers to do the work as soon as possible



Recommendation: To approve the Garden Club's Balance Beams & Frog Hop request.



Memorandum

To: ACL Board

Date: May 12, 2022

From: Garden Club/Ashlee Miller

Memo #: 2022-65

Topic: Garden Club Adventure Map

Issue & Analysis: The Garden Club continues to beautify the lake property and create educational opportunities for all children and adults. They have created an Adventure Map showcasing many fun attractions around the lake that our owners and their guests can explore. They are seeking the Board's approval of the Adventure Map before distribution. Staff did notice that bocce ball is spelled incorrectly and will send that to the Garden Club to be corrected before the maps are printed.

Recommendation: To approve the Garden Club's Adventure Map, with spelling correction as noted by staff.



How many of these can you do and see!

COVES • TENNIS • WALKING • BUTTERFLIES • FLOATING • BOCCI BALL • STAR GAZING • RABBITS • SLEDDING • DEER • WATERFALL • COLLECTING • BENCHES • WATER CROSSING • DUCKS • RESEARCHING • PAINTED ROCKS

ACL EXPLORE • HAVE FUN
Adventure Map



LAKE FUN FACTS!
 • Length - 3 miles
 • Maximum depth - 70ft
 • Surface area - 480 acres
 • Shore line length - 15 miles
 • Trail system length - 13 miles



- Beaches
- Golf Course
- Picnic Area/Benches
- Shoreline Fishing
- Bocci Ball
- Walking Trail
- UTV/Golf Cart Trail
- Kayak/Canoe Storage
- Garden Club Islands
- Archery
- Gnome Houses - Children's Garden/ Between hole #4 & 5 on the golf course
- Frog Hop - Abundance of frogs at the swimming pool and pond on hole #6 on the golf course at certain times of the year.
- Restrooms - All restrooms are only open seasonally except at the Clubhouse - 5am-5pm

- Pavilion
- Picnic Tables
- Playground
- Bath House

- Nixon Beach/Pavilion/Volleyball Court
- Cove Restaurant
- Pro Shop
- Marina/Boat Launch/Security Office
- Fish House
- Firehouse Fitness
- Boat Prep Area
- Multi-Sport Complex
- Dam Overlook
- Trail Scenic Stops
- Underwater Bridge
- Recycling Center
- K&S Marine



GOLFING • FOX • JUMPING • FISH • DIVING • DRAGONFLIES • CANOEING • FLOWERS • PICNICING • HERONS • CAMPING • BEACHES • PICKLE BALL • TURTLES • ARCHERY



Memorandum

To: ACL Board

Date: May 7, 2022

From: Barb Hendren, ACL Board President

Memo #: 2022-49

Topic: appointment of the Nominating Committee

Issue & Analysis: The Amended and Restated Bylaws state "The Nominating Committee shall consist of seven (7) Members appointed by the President with the approval of the majority of the Board at the Board meeting preceding the regular annual meeting. Said Nominating Committee shall serve for the year following the next annual meeting. The President shall make an earnest attempt to appoint to the Nominating Committee Members who are representative of all subdivisions of the Association, with at least one of them being a current Board member."

Mike Yorke (Big Spirit), JoAnn Blackmore (Canyon Club), Bill Bourell (Big Spirit), Cindy Zophy (Eagle), Crystal Erdenberger (Apache), and Paula Wiener (Hawthorne) have all volunteered to serve on the Nominating Committee next year. The seventh member will be the Board Liaison appointed following the Annual Meeting.

Recommendation: To appoint Mike Yorke, JoAnn Blackmore, Bill Bourell, Cindy Zophy, Crystal Erdenberger, and Paula Wiener to the Nominating Committee.



Memorandum

To: ACL Board

Date: May 10, 2022

From: Ashlee Miller

Memo #: 2022-59

Topic: Approval of the K&S Marine Service Center Lease Contract

Issue & Analysis: The lease for K&S Marine expires at the end of 2022. A new proposal has been drafted by the ACLPOA legal counsel with input from the Association's insurance agent. This draft was given to Kevin Drane for review and suggested changes. The contract for approval is a new 5-year lease with K&S Marine, Inc. starting in January 2023 and running until December 2027.

Recommendation: To approve the proposed contract with K&S Marine Inc. 11A267 Nicklaus Court, Apple River, IL 61001.

*Plan on a Page: High Performing Operations and Management –
OYAP – Develop and implement timeline for issuing RFP's for professional services*



Memorandum

To: ACL Board

Date: May 12, 2022

From: GM Search Ad Hoc Commission

Memo #: 2022-66

Topic: General Manager Job Description & Job Posting

Issue & Analysis: The General Manager Ad Hoc Commission have been meeting weekly since being approved by the BOD as an ad hoc commission at the April 16, 2022 meeting. The ad hoc commission has revised the existing General Manager Job Description to be up to date with the Organizational Chart and expectations of the next General Manager. The revised job description was used as a tool to create the ad hoc commission's recommended General Manager Job Posting.

Recommendation: To approve the General Manager Ad Hoc Commission's revised General Manager Job Description and Job Posting as included in the May Board Packet.

**Apple Canyon Lake Property Owners' Association
General Manager Search Commission Meeting Minutes
May 10, 2022**

UNAPPROVED

1.0 Call to Order and review/approve meeting minutes from the May 3, 2022 meeting Chair Michael Yorke called the meeting to order at 9:10am with the following commission members in attendance in person: Mike Cammack, Robert Cook, Laura Pratt, John Sershon, and Steve Tribbey. The following commission members attended by Zoom: ACLBOD Liaison Stephen Borst and Rich Krasula. Susan Zobjeck was absent. ACL Board of Directors members as guests attended in person: Henry Doden and Mike Harris. ACL Board of Directors members as guests attended by Zoom: John Anderson and Barb Hendren. ACL Interim General Manager Ashlee Miller attended in person.

Krasula motioned to approve the minutes of May 3, 2022 as written, seconded by Sershon. Motion carried unanimously.

2.0 Reflections on last meeting

3.0 Review Job Description, make final edits and prepare to send to BOD for approval. - See "General Manager Job Description - 22.5.11b edit, UA". Sershon moved to accept the final edits discussed today and send it to the BOD. Seconded by Yorke. Motion carried unanimously.

4.0 Make final edits to the Job Posting - See "GM Search Job Post with hyperlinks (rev 22.5.11b)". A new email address will be created for Yorke to receive resumes. Salary range will be determined by the ACLBOD. Sershon moved to accept the final edits discussed today and send it to the BOD. Seconded by Cammack. Motion carried unanimously.

5.0 Discuss where the job posting will be placed and when it will be placed. Assign responsibility for getting the position posted on multiple sites. Discussed the confidential point of contact for all resumes received from job posting sites. - Websites to post the job opening:

- ACL website
 - Illinois Lake Management Association – ILMA, <https://ilma-lakes.org/>
 - Community Association Institute – CAI, <https://www.caionline.org/>
 - Illinois Park & Recreation, <https://ilpra.org/>
 - Illinois Association of Lake Communities – IALC, <http://ialconline.com/about-us/>
 - LinkedIn.com
 - Indeed.com
-
- Sershon suggested and will take action on researching "Chicago Property Managers" website.
 - Point made about the advantage of using a search firm is they can pre-qualify candidates and perform background checks for us before we see them.
 - Utilize Carrie from HR and Kirsten from Communications Dept to help with the postings

APPLE CANYON LAKE PROPERTY OWNER'S ASSOCIATION

May 2022

ACLPOA Mission Statement

The Apple Canyon Lake Property Owner's Association Board of Directors shall act in a fiscally responsible manner while exercising all powers and authority vested in the Association, so as to preserve its values and amenities, and promote health, safety and welfare for the common benefit and enjoyment of its membership while maintaining its not-for-profit status.

GENERAL MANAGER

FLSA STATUS: Salaried/Exempt

REPORTS TO: The Board of Directors, Apple Canyon Lake Property Owner's Association, through the Board President.

CLASSIFICATION: Management

POSITION SUMMARY:

- Effectively manage and administer the day-to-day operations and activities of the Association in accordance with policies and procedures.
- Advise and make recommendations to the Board of Directors with respect to Association activities, financial planning, and the financial condition of the Association.
- Develop and maintain positive working relationships with property owners and staff as well as with neighbors, communities and state and local governmental agencies.
- Provide leadership that will preserve the environmental integrity of the area by adhering to sound conservation practices, trends, and regulations.

PRIMARY RESPONSIBILITIES AND ACCOUNTABILITIES:

Financial Management (25%)

- Recommend to the Treasurer and Budget Commission, as scheduled, the following proposed budgets:
 - A. Annual Operating Budget
 - B. Equipment and Facility Repairs and Replacement Budget
 - C. Capital Improvement Budget
- Develop a Five-year Capital Improvement Plan in accordance with the Apple Canyon Lake Master Plan, Strategic Plan and Reserve Study.
- Oversee adherence to the approved Operating Budget. All variances from that budget must have the approval of the Board of Directors.
- Oversee adherence to both approved Capital and R&R (Repairs and Replacement) Budgets. Variations from the budgets must be approved by the Board of Directors prior to expenditure.
- Oversee the creation of financial records required for the periodic, efficient audit of all financial transactions with the advice of the treasurer. Periodic reports of the financial condition of the Association will be made available to the Board of Directors and the Association membership.

- Oversee checking, savings, and investment accounts as have been authorized by the Board of Directors.
- Establish policies and procedures to ensure that all fees and other revenues are properly assessed and collected.
- Maintain awareness of, and make application for grant monies as appropriate for various projects.
- Assure that all assessments and penalties are collected. If delinquencies occur, assure that the Association is protected with legal recourse such as liens and foreclosures by working with legal counsel.
- Report annually on appropriate common properties' liability and damage insurance, fidelity bonds on selected personnel funds, and directors' liability insurance.
- Oversee the performance of the financial and purchasing functions to ensure their conformance with the law, good business practice, and prudent expenditure of Association funds.
- Develop and maintain required procedures assuring timely payment of salaries and wages, withholding and unemployment taxes, and any other obligations related to compensation.

Human Resources Management (20%)

- Conduct the hiring, orientation, training, evaluation, and coaching of all department managers or directors.
- Oversee and monitor the hiring, orientation, training, evaluation, and coaching of all other employees.
- Ensure the development of written job descriptions for each classification of employee and periodically review same for relevancy and completeness.
- Evaluate key personnel performance against job description annually.
- Recommend payroll changes to the Budget Commission.
- Encourage and provide opportunities for training and continuing education.
- Work with Board Executive Committee to establish performance goals and objectives for the General Manager's position.
- Establish performance goals and objectives for department heads and oversee implementation of goals.
- Participate with the Board Executive Committee in negotiating and administering benefit contracts.
- Apply federal, state, and local regulations in all personnel situations.
- Establish and maintain procedures for the safekeeping of all confidential records and personnel information.
- Ensure the development of direct reports and provide back-ups/replacements for all key positions including General Manager.

Communication (20%): Internal and External to the Association

- Participate with the Board Executive Committee in negotiating and administering contracts with product and service providers.
- Meet regularly with committee/commission chairpersons to assure conformance with Association covenants and restrictions, bylaws, and applicable local and state regulations. Require that committee/commission minutes/reports are available to the Board of Directors.
- Participate as a representative of the Association in civic, professional, and convention activities. Maintain an active membership in the Illinois Lake Management Association and participate in Jo Daviess County Visitor and Convention Bureau, and Economic Development.
- Reach out and maintain a network of fellow professionals.

- Utilize the *Apple Core* to communicate with Association members by providing a minimum of one report for each edition.
- Utilize the *Apple Seed* to communicate with Association members on a weekly basis.
- Write a weekly report, "ACL this Week" to the Board of Directors.
- Prepare a report to be presented to the Board of Directors at the monthly Board of Directors meeting.
- Prepare an agenda and information packet with the Board President for each Board of Directors meeting and distribute to Board members at least one week prior.
- Prepare and deliver a Manager's Report at the annual meeting. Assist the President in developing an agenda for this meeting.
- Develop and maintain a positive working relationship with employees, the Board of Directors, committee and commission members, Association members, visitors, vendors and lessees.
- Develop and maintain a positive working relationship with neighboring property owners, community associations, professional and environmental groups, as well as state and local government agencies.
- Provide litigation support as it affects the Association.

Natural Resources Regulatory Management (15%)

- Maintain awareness of state, federal, and local laws and regulations that impact lake management.
- Maintain awareness of regulatory agencies and their impact on lake management.
- Maintain awareness of the County Comprehensive Plan and its impact on development at Apple Canyon Lake.
- Establish and maintain procedures for the safekeeping of legal documents, construction plans, membership rosters, financial statements, contracts, and meeting minutes.
- Establish and maintain procedures for the safekeeping of medical records as required by the Blood Borne Pathogens Standard (29 CFR 1910.1030) & (Work Inj: 29 CFR 1904).
- Keep apprised of current trends and technologies in lake management.
- Oversees the Natural Resources manager.

Strategic Planning (10%)

- Oversee the annual update of the five-year Lake Strategic Plan.
- Coordinate and review all annual activities and programs to assure compatibility with the Master Plan and Reserve Study.
- Manage the completion of all Board of Directors approved Capital Projects.

Association and Board Liaison (10%)

- Oversee Board of Directors governance and policy compliance. Ensure that procedures, policies, regulations and by-laws are up to date and enforced to preserve the quality of the living environment and to protect common property values. Participate in meetings of the Board of Directors, committees, commissions, or advisory groups as necessary.
- Manage relationship with legal counsel and independent auditor in the best interest of the Association.
- Recommend enhanced governance techniques and common interest community trends that may affect the current plans of the Board of Directors.
- Ensure that Association properties are in compliance with all laws and ordinances.

QUALIFICATIONS:

To be successful in this job, an individual must be able to perform each essential job duty satisfactorily. The requirements are representative of the knowledge, skills, and/or abilities required.

Education and/or Experience: Bachelor's degree in a related field or equivalent experience.

License: Illinois Community Association Manager License.

Skills and Abilities:

- Interpret complex data from a variety of sources and integrate it into planning, organizing, and implementation using current technology.
- Understand the relationship and impact that policy decisions and recommendations have on the Association.
- Be conversant in a wide range of subjects including, but not limited to, fiscal responsibility, conservation, ecology, and laws that affect recreational facility management.
- Have highly developed interpersonal skills and be able to effectively communicate with a wide variety of groups and individuals, property owners, Board of Directors, staff and outside agencies.
- Manage effectively a diverse work force.

Competencies:

- Communication; Up/Down/Across An Organization
- Problem Solving
- Conflict Resolution Amongst People And Teams
- Courage To Take Action
- Decision Making Skills
- Project Management
- Supervising Others
- Strategic Planning
- Managing Criticism
- Collaboration With Others
- Interpersonal Skills
- Negotiating Skills

Physical Demands: Work will be performed sitting, standing, and walking.

You are expected to be available as needed especially in times of emergency or unusual circumstances.

GENERAL NOTICE:

This position description describes the general nature and level of work performed by the employee assigned to this position and should not be interpreted as all inclusive. It does not state or imply that these are the only duties and responsibilities assigned to the position. The employee may be required to perform other job-related duties. All requirements are subject to change and to possible modification to reasonably accommodate individuals with a disability.

This position description does not constitute an employment agreement between the Association and employee and is subject to change by the employer as the needs of the Association and requirements of the position change.

APPLE CANYON LAKE PROPERTY OWNER'S ASSOCIATION

IS SEARCHING FOR A

GENERAL MANAGER

Apple Canyon Lake, our hidden gem, is situated in the far northwest corner of Illinois, in an area known as the Driftless Region. This unique bucolic area is not far from the historic town of Galena, Illinois -a popular tourist destination and one of the most historic cities in Illinois and several other quaint towns. Apple Canyon Lake is a private recreational community consisting of approximately 2700 property owners. Established more than 50 years ago, Apple Canyon Lake consists of a 440-acre lake with a marina & dam, attention getting waterfall, a thriving fishery, beach, 13-mile multi-use trail system including dedicated walking trails and UTV/ATV access, seasonal restaurant, campground, golf course with pro-shop, clubhouse, swimming pool, tennis courts and a variety of other amenities.

This position reports to the Board of Directors and manages a multi-million dollar budget. The ideal candidate will possess the following minimum qualifications:

- A bachelor's degree or equivalent experience in a related field, such as business, management, or property management is preferred
- Five years in a management role, preferably with experience leading a diverse staff including, but not limited to, finance, facilities, and office personnel
- Required to possess or obtain an Illinois Community Association manager license
- Proven abilities to effectively communicate with property owners, commissions, committees, Board of Directors, and a staff of over 40 personnel plus additional seasonal help. External communications include legal, environmental, construction and financial advisors plus a variety of county, state and federal agencies.

Success in this general manager position will be rewarded with a competitive salary commensurate with experience and a performance-based bonus. An excellent benefits package is also included. Additionally, access to all ACL amenities is given.

Qualified candidates may apply by sending their resume to: Email address TBD (Directed to Mike Yorke)



Memorandum

To: Board of Directors

Date: May 12, 2022

From: Ashlee Miller

Memo: 2022-60

Topic: Lake Consultant Agreement – Shaun Nordlie

Issue: The ACL Board of Directors (BOD) has accepted the resignation of Shaun Nordlie, ACL General Manager, with an effective date of April 18, 2022. Shaun's six years of experience as General Manager and his strategic involvement with capital projects will leave a critical void that could jeopardize the timely completion of three key lake projects, specifically Contract Dredging, Flood Mitigation's Spillway Improvement, and the Winchester Bay Grant Request Application. The BOD having recognized this void has negotiated with Shaun Nordlie and has decided to offer him a consulting agreement to assist in keeping the three previously named projects on track. In exchange for his continued involvement, the BOD has agreed to pay a monthly consulting fee by project with payments being made after receiving an invoice from Shaun at the end of each month for which he worked on the projects. This agreement will continue for as long as the BOD considers Shaun's continued involvement necessary on a project-by-project basis.

Recommendation: To approve a project-by-project Lake Consultant Agreement with Shaun Nordlie with monthly consulting fees being drawn from the ACL Capital Project Fund for the following projects: Contract Dredging, Flood Mitigation's Spillway Improvement, and the Winchester Bay Grant Request Application.

Plan on a Page: Improvement of Infrastructure: Create a long-range capital development plan to include but not limited to flood mitigation, clubhouse area and offices, watershed management, dry dam improvements, dredging programs, and campground expansion.



Memorandum

To: Board of Directors

Date: May 12, 2022

From: Ashlee Miller

Memo: 2022-61

Topic: Winchester Bay Reach 1 Restoration Project Approval for 319 Grant Application

Issue & Analysis: Resource Environmental Solutions (RES) has completed the Final Design for the Winchester Bay Stream Reach 1 Restoration Project. Winchester Bay is the second largest inlet of water in the lake in our watershed and is the second priority of the watershed plan projects. The RES design re-meanders the stream, taking out some of the drastic ox bows currently in the stream. The plan creates some flood plains for taking nutrients out of the water in heavy rain events, armors sides of the stream in areas where there is high erosion, and creates shelves in areas of the stream where one side has a steep bank. Invasive trees and brush will also be removed with native grasses planted to help take sediment out of the water during heavy rain events. The estimated cost of the project is \$590,711.38. This project could qualify for a 319 IEPA Grant and RES will submit a grant on behalf of the Association if they will be hired to oversee the project once construction starts. 319 grant requests are due by the end of July, awards are usually revealed in February of the following year. If ACL were to submit a grant in 2022 and were awarded, work would then start in 2023. With the 319 Grant, the Association would be responsible for 40% of the project cost, approximately \$236,000.

Recommendation: To approve the Final Design of Winchester Bay Reach 1 Restoration Project done by RES and to work with RES to submit ACLPOA's application for a 319 IEPA Grant by July 2022.

Plan on a Page: Improvement of Infrastructure: Create a long-range capital development plan to include but not limited to flood mitigation, clubhouse area and offices, watershed management, dry dam improvements, dredging programs, and campground expansion.



17921 W. Smith Road
Brodhead, WI 53520

Corporate Headquarters
6575 West Loop South, Suite 300
Bellaire, TX 77401

Project Information

Opinion of Probable Cost

Winchester Bay Stream Reach 1 Restoration

May 9, 2022

Apple Canyon Lake Property Owners Association.

Below is our Opinion of Probable Cost for the Winchester Bay Stream Rach 1 Restoration project. We will be happy to answer any questions that you may have.

Sincerely,

A handwritten signature in black ink that reads "Josh LaPointe".

Josh LaPointe, Regional Operations Manager
RES
608-214-2355
jlapointe@res.us

A handwritten signature in black ink that reads "Travis Lanser".

Travis Lanser, Estimator
RES
262-895-9005
tlanser@res.us

Scope of Work and Estimate

WINCHESTER BAY STREAM REACH 1 OPC

ITEM	DESCRIPTION	QUANTITY		Unit Price	Total Cost
		TOTAL	UNIT		
1	SITE PREPARATION				
1.1	SURVEY/STAKING/LAYOUT	1	LS	\$8,500.00	\$8,500.00
1.2	MOBILIZATION	1	LS	\$15,900.00	\$15,900.00
1.3	CLEARING, GRUBBING, & TREE REMOVAL	1	LS	\$48,700.00	\$48,700.00
1.4	HERBICIDING (2x)	14.98	AC	\$400.00	\$5,992.00
1.5	DISCING/TILLING (1x)	7.49	AC	\$500.00	\$3,745.00
SITE PREPARATION SUBTOTAL					\$82,837.00
2	EARTHWORK				
2.1	EXCAVATION	1,680	CY	\$32.00	\$53,760.00
2.2	FILL	1,680	CY	\$16.00	\$26,880.00
2.3	FINE GRADING (2.5 TOTAL ACRES)	1	LS	\$11,700.00	\$11,700.00
2.4	CROSS VANE (2 EA) 24"-36" STONE	78	CY	\$270.00	\$21,060.00
2.5	RIFFLE TIE IN (IDOT CLASS A5 RIPRAP)	236	CY	\$220.00	\$51,920.00
2.6	STONE TOE PROTECTION (IDOT CLASS A5 RIPRAP)	543	CY	\$207.00	\$112,401.00
2.7	AGGREGATE BASE (IDOT CLASS A1 RIPRAP)	195	CY	\$150.00	\$29,250.00
2.8	RIFFLE ROCK RELOCATION (USING EXISTING STONE)	1	LS	\$9,600.00	\$9,600.00
2.9	OUTLET PROTECTION (IDOT CLASS A7 RIPRAP)	15	CY	\$360.00	\$5,400.00
EARTHWORK SUBTOTAL					\$321,971.00
3	EROSION AND SEDIMENT CONTROL				
3.1	TEMPORARY ROCK CONSTRUCTION ENTRANCE	2	EA	\$4,800.00	\$9,600.00
3.2	STAGING & STOCKPILE AREAS WITH CONSTRUCTION & SILT FEENCE	2	EA	\$3,400.00	\$6,800.00
3.3	SUMP PIT & DEWATERING	1	LS	\$27,000.00	\$27,000.00
3.4	EROSION CONTROL BLANKET - NAG DS75	7,611	SY	\$1.81	\$13,775.91
3.5	EROSION CONTROL BLANKET - NAG SC150BN	4,264	SY	\$3.29	\$14,028.56
3.6	STRAW MULCH	24,412	SY	\$0.40	\$9,764.80
EROSION AND SEDIMENT CONTROL SUBTOTAL					\$80,969.27
4	ECOLOGICAL RESTORATION & MANAGEMENT				
4.1	WET PRAIRIE SEEDING	0.70	AC	\$4,200.00	\$2,940.00
4.2	WET-MESIC PRAIRIE SEEDING	6.79	AC	\$3,500.00	\$23,765.00
4.3-4.5	TREE PLANTING & TREE TRUNK PROTECTION (2.5 CAL)	19	EA	\$700.00	\$13,300.00
4.6	TURF GRASS REPAIR AND RESEEDING AS NEEDED	1.00	LS	\$2,300.00	\$2,300.00
4.7	MANAGEMENT OF PLANTINGS-9.62 TOTAL ACRES (ALL ZONES, 3 YEARS)	3.00	YR	\$11,500.00	\$34,500.00
ECOLOGICAL RESTORATION & MANAGEMENT SUBTOTAL					\$76,805.00
CONTINGENCY 5%					\$28,129.11
TOTAL					\$590,711.38

Notes:

1. This quote is valid for 60 days.
2. RES is a non-union shop. Prevailing Wages rates not have been included in the above price.
3. Upon acceptance of this quote by the Owner/Client, RES Great Lakes LLC (RES) will provide a Services Agreement necessary for acceptance of the contract by each party.
4. **Quote is exclusive of sales tax.** Client/Owner shall pay all applicable sales or use taxes, or provide RES with a sales tax exemption certificate to support any exemption.

FINAL DESIGN FOR WINCHESTER BAY STREAM REACH 1 RESTORATION PROJECT

APPLE RIVER, ILLINOIS
 APRIL 2022

PROJECT LOCATION



CONTACTS
 10 DAVENESS COUNTY PLANNING & DEVELOPMENT
 HIGHWAY DEPT BUILDING
 1 COMMERCIAL DRIVE, SUITE 1
 HANOVER, IL 60041
 PHONE: 815-891-1310
 ERIC TISON
 erison@dcovaress.org

CLIENT CONTACT
 ED ZARNO
 BUILDING AND GROUNDS MANAGER
 OFFICE: 815-892-2187
 CELL: 815-898-4119

TYLER HEISELBACHER
 NATURAL RESOURCES MANAGER
 OFFICE: 815-892-2187
 CELL: 864-451-4661

GENERAL NOTES

- TOPOGRAPHY AND CONTOUR DATA PROVIDED BY MR. GREEN, 2021. ADDITIONAL FIELD OBSERVATIONS WERE CONDUCTED BY RES STAFF TO SUPPLEMENT AND REVISE DATA. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND LOCATIONS OF UTILITIES PRIOR TO STARTING CONSTRUCTION. WETLAND DELINEATION PROVIDED BY ASS MAY, 2020. (AES PROJECT NUMBER 19-0823)
- FEMA FLOOD MAP INFORMATION FROM JO DAVENESS COUNTY REGULATORY CONTRACTOR.
- ANY FIELD ADJUSTMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- SITE BENCHMARK**
 COUNTY CONTROL STATION 117
 ELEV=827.69 (MEASURED NAV88 GEOD 12A - DISK CAP MISSING ON CONTROL STATION)
 RR SPIKE SET IN NW SIDE OF EX PP APPROX. 8' EAST OF N. APPLE CANYON RD. AND 88' SOUTH OF PTE S END OF THE NORTHBOUND GUARDRAIL SPANNING WINCHESTER BAY STREAM REACH NO. 1 CULVERT SITE BM#2
 ELEV=828.41 (NAV088)
 RR SPIKE SET AT EOP ALONG N. APPLE CANYON RD AND LIES APPROX. 100' SOUTH OF THE NORTHBOUND GUARDRAIL AND 86' SW OF A DAVENESS CONSERVATION DISTRICT WILDLIFE BOX. ELEV=818.68 (NAV088)
 SITE BM#3
 SET AT EOP ALONG N. APPLE CANYON RD WHICH LIES APPROX 20' S SOUTHEAST OF A MAGNOL AT THE NW CORNER OF THE INTERSECTION OF BIG SPIRIT DR. AND N. APPLE CANYON RD. AND 23' SW OF A STREET NAME SIGN.
 ELEV=807.39 (NAV088)

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT	TOTAL
1	DIRT PREPARATION	1	LS	
1.1	UTILITY TRENCH / DITCH	1	LS	
1.2	UTILITY TRENCH / DITCH	1	LS	
1.3	GRAVING, GRADING AND TREE REMOVAL	1	LS	
1.4	HERBICIDING (2X)	7.81	AC	
1.5	DISKING/TILLING (1X)	7.81	AC	
2	LANDWORK			
2.1	EXCAVATION	1.88	CY	
2.2	PILE	1.88	CF	
2.3	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.4	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.5	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.6	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.7	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.8	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.9	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.10	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.11	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.12	PILE GRADING 7.5 TOTAL ACRES	1	LS	
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2.95	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.96	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.97	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.98	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.99	PILE GRADING 7.5 TOTAL ACRES	1	LS	
2.100	PILE GRADING 7.5 TOTAL ACRES	1	LS	

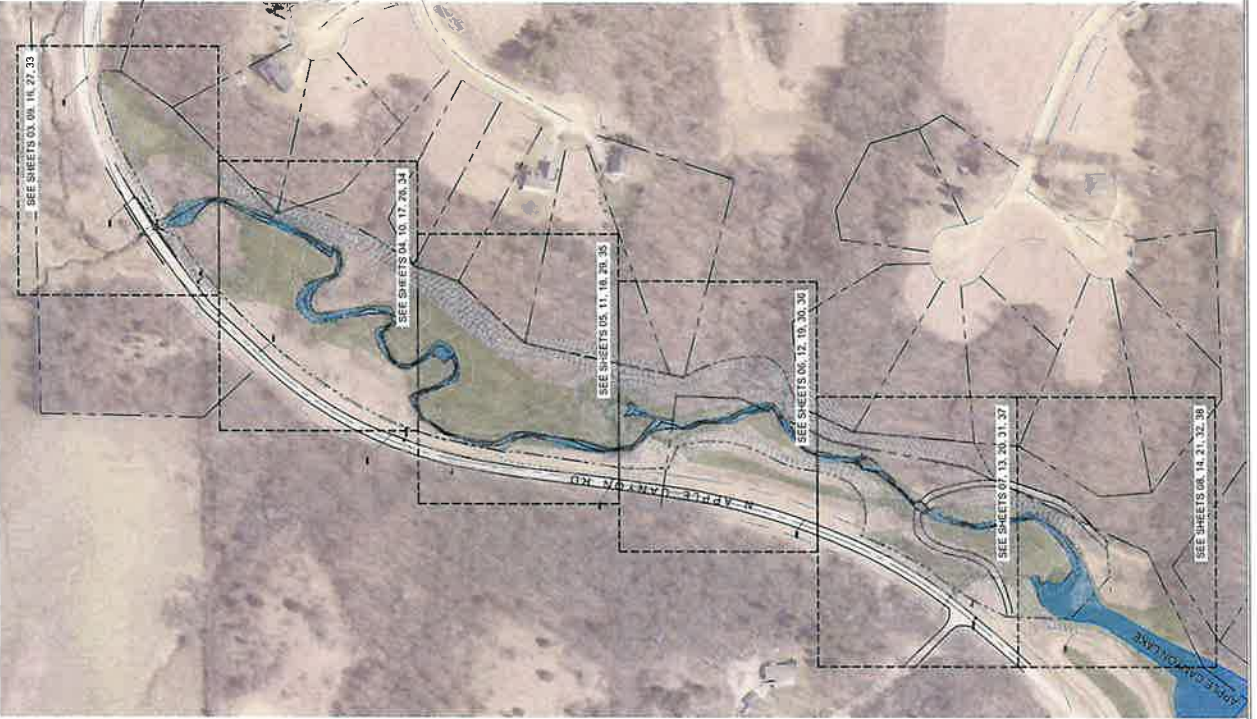
SHEET LIST TABLE

Sheet Number	Sheet Title
01	COVER
02	OVERALL PLAN
03	EXISTING CONDITIONS
04	EXISTING CONDITIONS
05	EXISTING CONDITIONS
06	EXISTING CONDITIONS
07	EXISTING CONDITIONS
08	EXISTING CONDITIONS
09	EXISTING CONDITIONS
10	EXISTING CONDITIONS
11	EXISTING CONDITIONS
12	EXISTING CONDITIONS
13	EXISTING CONDITIONS
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39	EXISTING CONDITIONS
40	EXISTING CONDITIONS
41	EXISTING CONDITIONS
42	EXISTING CONDITIONS
43	EXISTING CONDITIONS
44	EXISTING CONDITIONS
45	EXISTING CONDITIONS
46	EXISTING CONDITIONS

WINCHESTER BAY
 STREAM REACH 1 RESTORATION
 E: North Apple Canyon Rd downstream to Apple Canyon Lake, IL

Apple Canyon Lake Property Owners Association
 1000 N. University Ave., Suite 100
 Naperville, IL 60563
 Phone: 630.335.1877 Fax: 630.335.1878
 www.res-nu.com

FINAL FOR PERMITTING
 SHEET TITLE
 COVER



PROJECT #	10100010
DESIGNED BY	RES, JAU, JAW
DRAWN BY	JAW
CHECKED BY	JAW
DATE	01/11/11
CONTRACT NUMBER	10010010
CONTRACT NAME	10010010
PROJECT NAME	WINCHESTER BAY
PROJECT ADDRESS	E. North Apple Canyon Rd
PROJECT CITY	Apple Canyon Lake, IL
PROJECT STATE	IL
PROJECT ZIP	60131
PROJECT PHONE	(815) 381-1111
PROJECT FAX	(815) 381-1112
PROJECT EMAIL	info@res.com

OVERALL PLAN
 SHEET NUMBER **02**

FINAL FOR PERMITTING

WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

NO.	DATE	DESCRIPTION
1	05/11/2023	ISSUED FOR PERMITTING

FINAL FOR PERMITTING

DATE: 5/11/2023

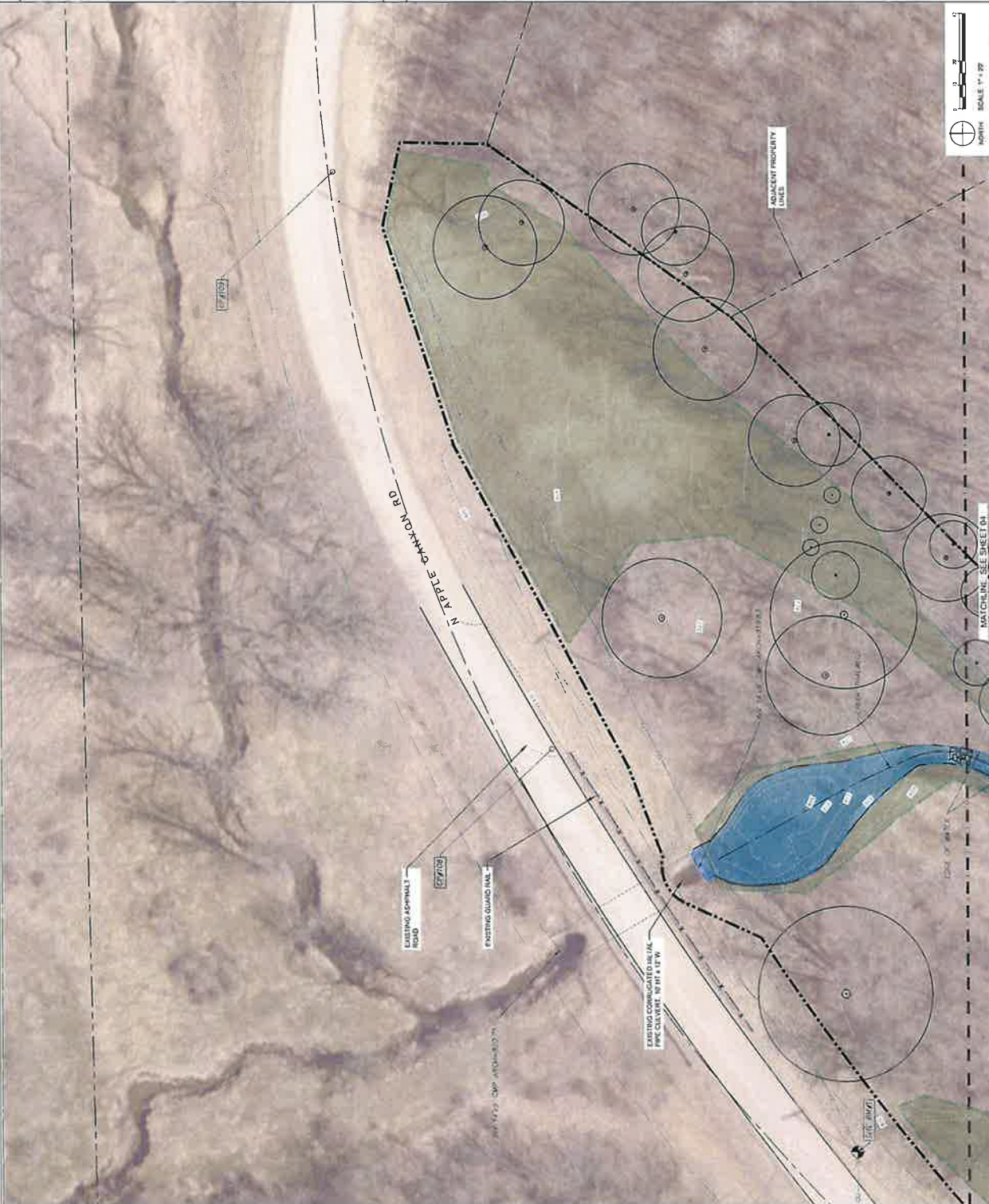
**EXISTING
 CONDITIONS**

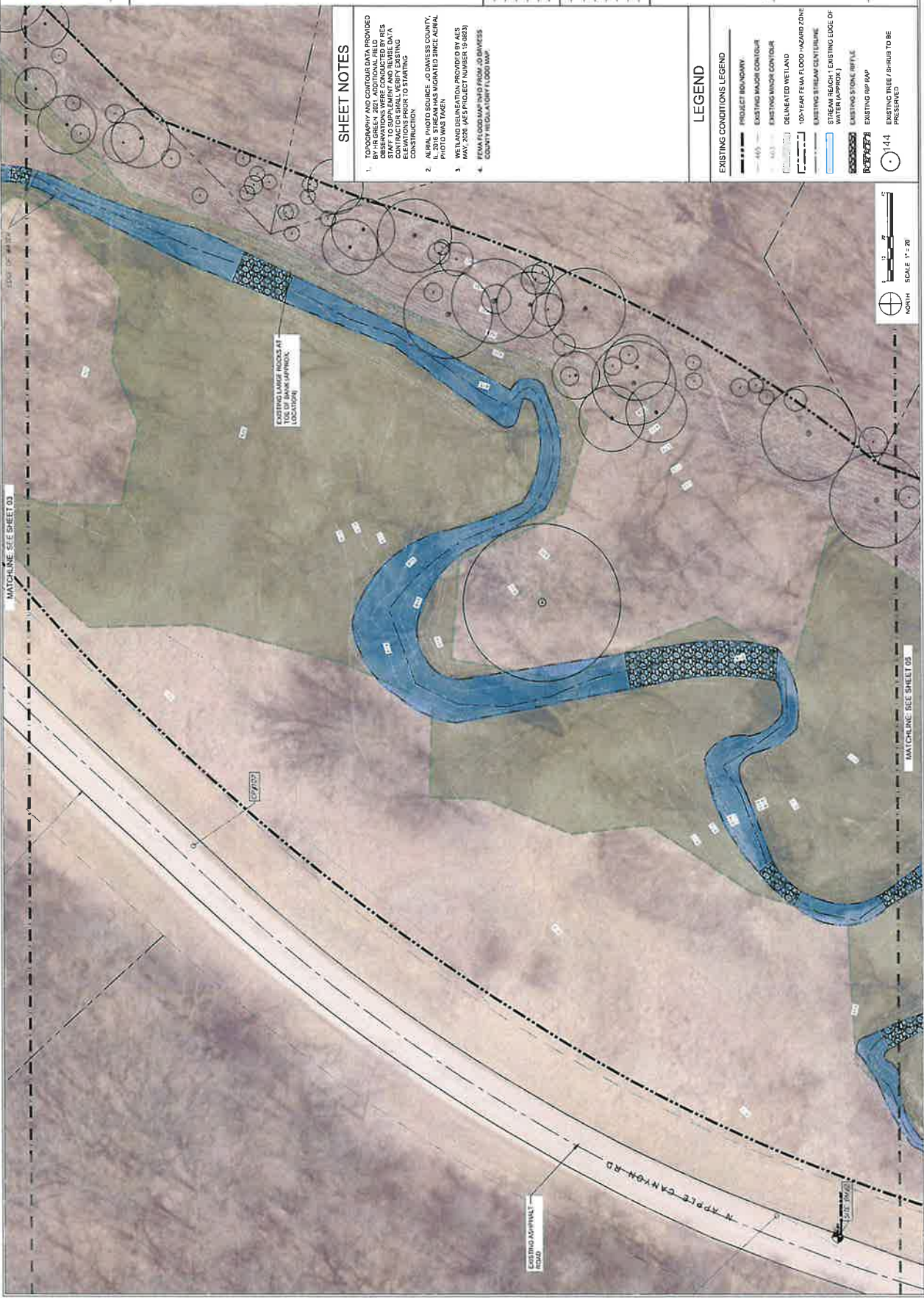
SHEET NUMBER
03

- ### SHEET NOTES
- TOPOGRAPHY AND CONTOUR DATA PROVIDED BY CLIENT. FIELD SURVEY AND PHOTO OBSERVATIONS WERE CONDUCTED BY RES STAFF TO SUPPLEMENT AND REVISE DATA WHERE NECESSARY. ELEVATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
 - AERIAL PHOTO SOURCE: JO DAVENESS COUNTY, WI. PHOTO TAKEN IN 2018. PHOTO HAS BEEN MOVED SINCE AERIAL PHOTO WAS TAKEN.
 - 100-YEAR FLOOD HAZARD ZONE (FLOOD MAP) MAY 2020 (AES PROJECT NUMBER W-2023).
 - FEMA FLOOD HAZARD ZONE (FLOOD MAP) COUNTY WISCONSIN FLOOD MAP.

- ### LEGEND
- EXISTING CONDITIONS LEGEND**
- PROJECT BOUNDARY
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - DELIMITED WETLAND
 - 100-YEAR FLOOD HAZARD ZONE
 - EXISTING STREAM CENTERLINE
 - STREAM REACH 1 EXISTING EDGE OF WATER (APPROX.)
 - EXISTING STONE RIFFLE
 - EXISTING RIP RAP
 - EXISTING TREE SPACERS TO BE PRESERVED

NO.	DATE	DESCRIPTION
1	05/11/2023	ISSUED FOR PERMITTING





SHEET NOTES

1. TOPOGRAPHY AND CONTIGUOUS DATA PROVIDED BY HIRSHLEY 2001. ADDITIONAL FIELD OBSERVATIONS WERE CONDUCTED BY ARES IN APRIL 2017. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO STARTING.
2. STREAM RESTORATION COURSE, JO DANKS COUNTY, IL 2016. STREAM HAS MIGRAED SINCE AERIAL PHOTO WAS TAKEN.
3. WETLAND DELINEATION PROVIDED BY ARES MAY 2008 (AES PROJECT NUMBER 16-083).
4. FEMA FLOOD MAP DATED FROM JO DANKS COUNTY REGULATORY FLOOD MAP.

LEGEND

- EXISTING CONDITIONS LEGEND**
- PROJECT BOUNDARY
 - EXISTING MAJOR CONTIGUA
 - EXISTING MINOR CONTIGUA
 - DELINEATED WETLAND
 - 100-YEAR FEMA FLOOD HAZARD ZONE
 - EXISTING STREAM CENTERLINE
 - STREAM REACH - EXISTING ELOC OF WATER (APPROX)
 - EXISTING STONE RIFLE
 - EXISTING RIP RAP
 - EXISTING TREE / SHRUB TO BE PRESERVED



REVISIONS	
NO.	DATE
1	10/20/10
2	11/15/10
3	01/14/11
4	02/10/11
5	03/10/11
6	03/10/11
7	03/10/11
8	03/10/11
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15	03/10/11
16	03/10/11
17	03/10/11
18	03/10/11
19	03/10/11
20	03/10/11

SHEET NOTES

1. TOPOGRAPHY AND CONTOUR DATA PROVIDED BY CLIENT. ALL DATA WAS CHECKED BY RES STAFF TO SUPPLEMENT AND REVISE DATA WHERE NECESSARY. ALL DATA WAS CHECKED FOR ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
2. AERIAL PHOTO SOURCE: JO DAVIES COUNTY, PHOTO WAS TAKEN AND HIGHLIGHTED SINCE AERIAL PHOTO WAS TAKEN IN 2008.
3. ALL DATA WAS TAKEN AND HIGHLIGHTED BY RES IN MAY 2010. RES PROJECT NUMBER: 10-0023.
4. FEMA FLOOD MAP AND FIRM IS JO DAVIES COUNTY REGULATORY FLOOD MAP.

LEGEND

EXISTING CONDITIONS LEGEND

- PROJECT BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DELINEATED WETLAND
- 10-YEAR FEMA FLOOD HAZARD ZONE
- EXISTING 5 YEAR CENTERLINE
- STRAIGHT REACH - EXISTING UCC OF WAY (W/ APPROX.)
- EXISTING 5' ONE-SIDE
- EXISTING RIP RAP
- EXISTING TREE (NUMBER TO BE PRESERVED)



NO.	DATE	REVISIONS
1	08/11/17	ISSUED FOR PERMITTING
2	08/11/17	ISSUED FOR PERMITTING
3	08/11/17	ISSUED FOR PERMITTING
4	08/11/17	ISSUED FOR PERMITTING
5	08/11/17	ISSUED FOR PERMITTING
6	08/11/17	ISSUED FOR PERMITTING
7	08/11/17	ISSUED FOR PERMITTING
8	08/11/17	ISSUED FOR PERMITTING
9	08/11/17	ISSUED FOR PERMITTING
10	08/11/17	ISSUED FOR PERMITTING

SHEET NOTES

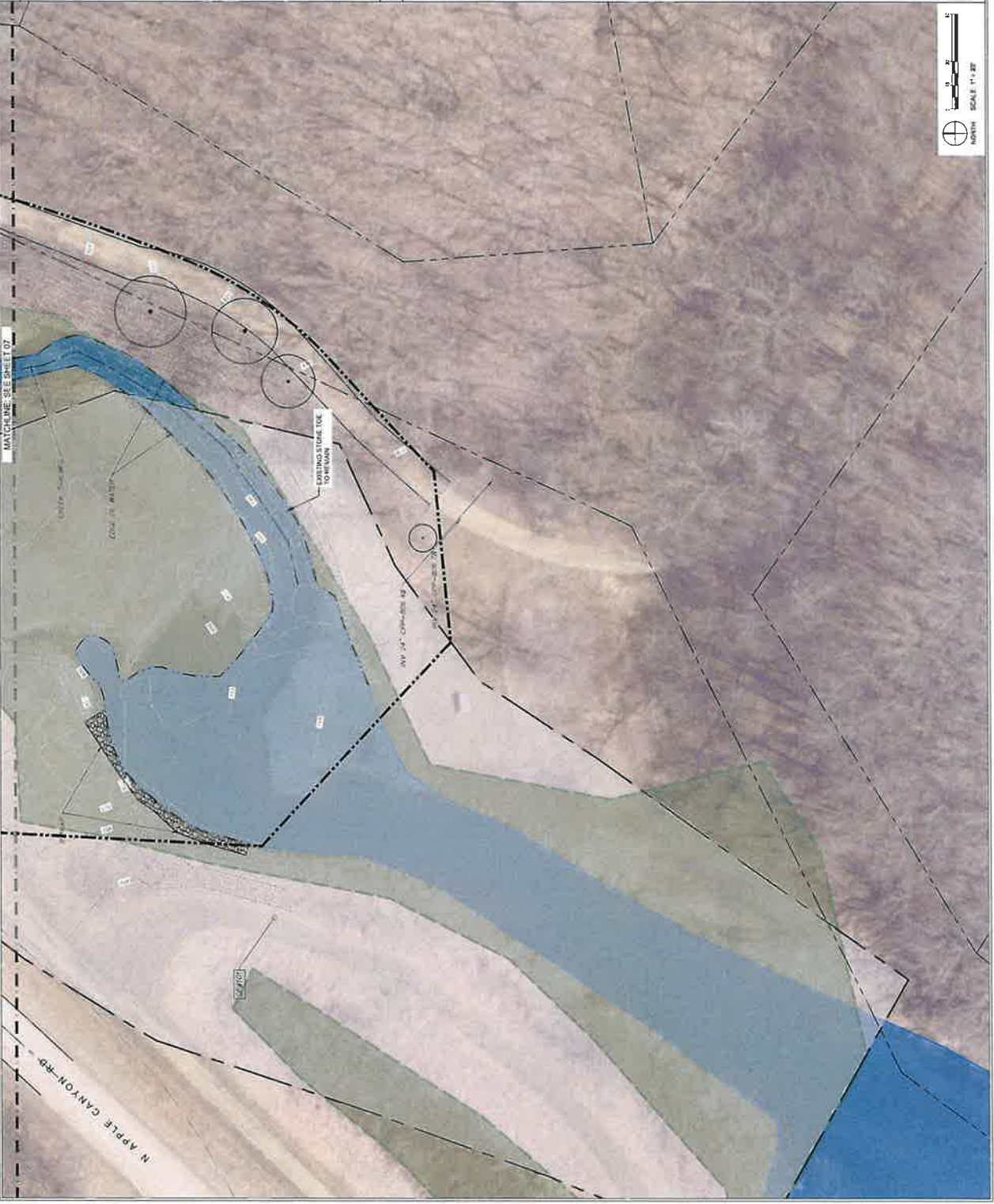
1. TOPOGRAPHY AND CONTIGUOUS DATA PROVIDED BY THE CLIENT. THE CLIENT HAS ADVISED THAT THE DATA IS ACCURATE AND THAT THE DATA WAS OBTAINED FROM AERIAL PHOTOGRAPHY CONDUCTED BY RES. TO VERIFY THE DATA, RES CONDUCTED A FIELD SURVEY OF THE PROJECT AREA AND RECORDED THE ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
2. AERIAL PHOTO SOURCE: JO DAVESSE COUNTY, WI, 2016. THIS DATA WAS MIGRATED SINCE AERIAL PHOTO WAS TAKEN.
3. AERIAL PHOTO SOURCE: JO DAVESSE COUNTY, WI, 2016. THIS DATA WAS MIGRATED SINCE AERIAL PHOTO WAS TAKEN.
4. FEMA FLOOD MAPS NOT FROM JO DAVESSE COUNTY REGULATORY FLOOD MAP.

LEGEND

EXISTING CONDITIONS LEGEND

- PROJECT BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DEGRADED WETLAND
- 10-YEAR FLOOD HAZARD ZONE
- EXISTING STREAM CENTERLINE
- STREAM REACH - EXISTING LODGE OF WATER (APPROX)
- EXISTING STONE RIFLE
- EXISTING RIP RAP
- EXISTING POE / SHULDS TO BE PRESERVED





SHEET NOTES

1. TOPOGRAPHY AND CONTOUR DATA PROVIDED BY RES. PHOTO SURVEY DATA WAS OBTAINED FROM RES STAFF TO SUPPLEMENT AND REVISE DATA FROM THE 2015 PHOTO SURVEY. ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
2. AERIAL PHOTO SOURCE: JO DAVESSE COUNTY, PHOTO TAKEN IN 2015. PHOTO WAS TAKEN IN MAY 2020 (AES PROJECT NUMBER 19-0021).
3. WETLAND DELINEATION PROVIDED BY AES.
4. FEMA FLOOD MAP INFO FROM JO DAVESSE COUNTY REGULATORY FLOOD MAP.

res
 RES | Restorer Environmental Services, LLC
 1000 N. Apple Canyon Rd., Suite 100
 Appleton, WI 54911
 Phone: 920.833.1111 | Fax: 920.833.1112
 www.res-restorer.com

**WINCHESTER BAY
 STREAM REACH 1 RESTORATION**
 E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

Apple Canyon Lake Troutery Owners Association
 Apple Canyon Lake, WI
 Appleton, WI 54911

LEGEND

EXISTING CONDITIONS LEGEND

- PROJECT BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DELINEATED WETLAND
- 100-YEAR FEMA FLOOD HAZARD ZONE
- EXISTING STREAM CENTERLINE
- STREAM REACH 1 EXISTING EDGE OF WATER (APPROX)
- EXISTING STONE RIFLE
- EXISTING RIP RAP
- EXISTING TREE 1/4" DIA TO BE PRESERVED

REVISIONS

NO.	DATE	DESCRIPTION
001	01/27/21	ISSUE FOR PERMITTING
002	02/02/21	REVISED PERMITTING COMMENTS
003	02/02/21	REVISED PERMITTING COMMENTS
004	02/02/21	REVISED PERMITTING COMMENTS
005	02/02/21	REVISED PERMITTING COMMENTS
006	02/02/21	REVISED PERMITTING COMMENTS
007	02/02/21	REVISED PERMITTING COMMENTS
008	02/02/21	REVISED PERMITTING COMMENTS
009	02/02/21	REVISED PERMITTING COMMENTS
010	02/02/21	REVISED PERMITTING COMMENTS

FINAL FOR PERMITTING

DATE: 01/27/21

EXISTING CONDITIONS

SHEET NUMBER: 08

WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

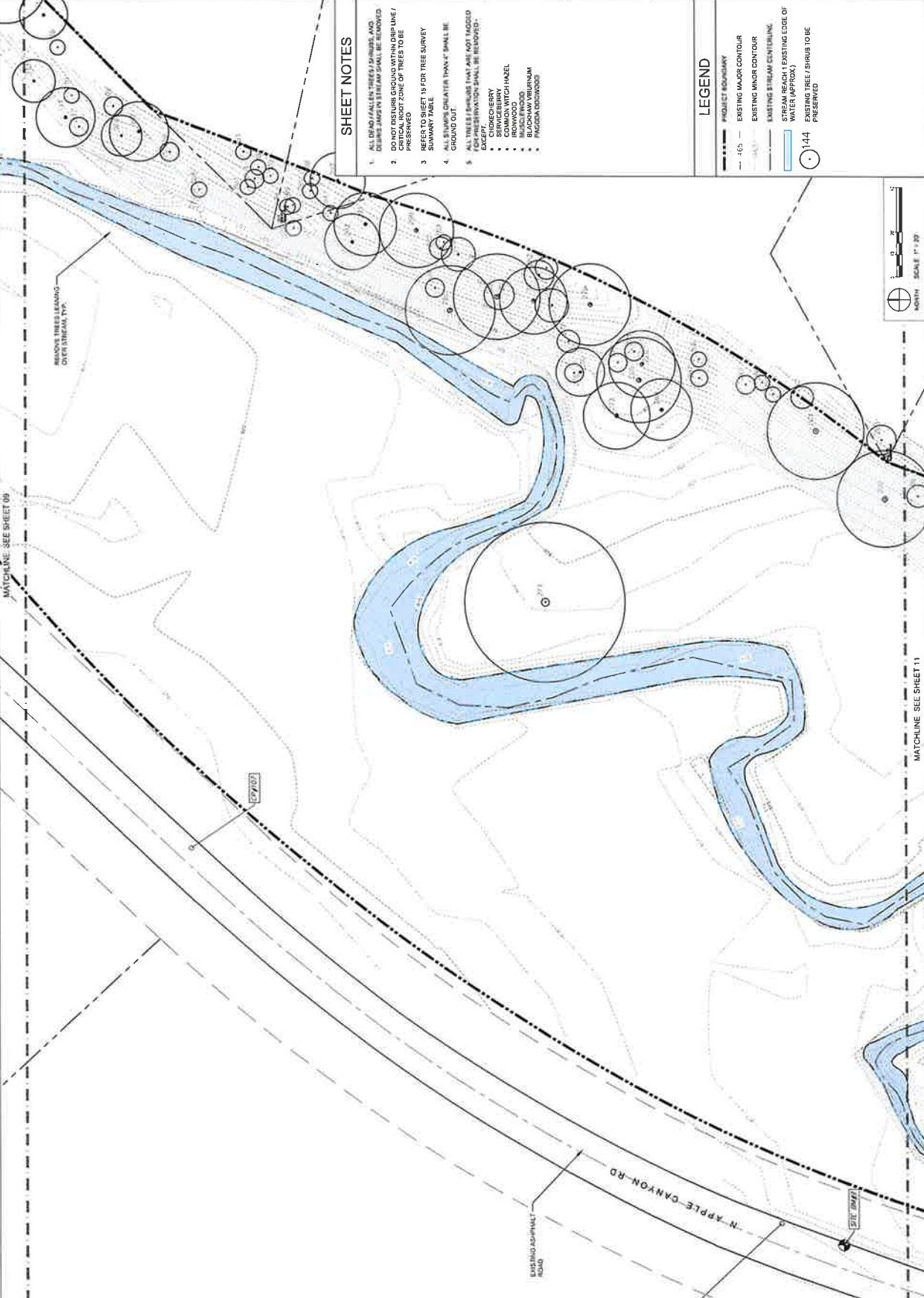
Client	RES
Project	WINCHESTER BAY
Phase	PRELIMINARY
Scale	AS SHOWN
Author	RES
Check	RES
Drawn	RES
Approved	RES
Revision	RES
Comments	RES

FINAL FOR PERMITTING

DATE: 5/11/11

TREE PRESERVATION & REMOVAL PLAN

SHEET NUMBER: **10**



- ### SHEET NOTES
1. ALL DEAD/FALLEN TREES/BRANCHES AND DEBRIS JAMPS IN STREAM SHALL BE REMOVED
 2. DO NOT DISTURB GROUND WITHIN DRIP LINE / CRITICAL ROOT ZONE OF TREES TO BE PRESERVED
 3. REFER TO SHEET 19 FOR TREE SURVEY SUMMARY TABLE
 4. GROUND OUT "CHATTER THIN" SHALL BE EXCEPT
 5. ALL TREES & SHRUBS THAT ARE NOT TAGGED FOR PRESERVATION SHALL BE REMOVED.
- EXCEPT:
- SERVICEBERRY
 - COMMON WITCH HAZEL
 - MULLEIN
 - BLACKBERRY
 - RUGOSA ROSE
 - RUGOSA HYDRANGEA

- ### LEGEND
- PROJECT BOUNDARY
 - - - EXISTING MAJOR CONTOUR
 - - - EXISTING MINOR CONTOUR
 - - - EXISTING STREAM CENTERLINE
 - - - STREAM REACH 1 EXISTING EDGE OF WATER (APPROX)
 - 144 EXISTING TREE / SHRUB TO BE PRESERVED

REMOVES TREES LEAVING OVERSTRENGTH TYP.

MATCHLINE SEE SHEET 09

MATCHLINE SEE SHEET 11



SHEET NOTES

1. ALL DEAD/FALLEN TREES / SHRUBS, AND DEBRIS JAMS IN STREAM SHALL BE REMOVED PER PERMITS.
2. DO NOT DISTURB GROUND WITHIN DRIP LINE / PROTECTION ZONE OF TREES TO BE PRESERVED.
3. THIS SHEET IS FOR TREE SURVEY SUMMARY TABLE.
4. ALL STUMPS GREATER THAN 4" SHALL BE GROUND OUT.
5. ALL TREES / SHRUBS THAT ARE NOT TAGGED FOR PRESERVATION SHALL BE REMOVED.

- CHOCHECHERRY
- SERVICEBERRY
- WESTERN WHITE PINE
- MOUNTAIN HEMLOCK
- REDWOOD
- PACIFIC DOGWOOD
- PACIFIC SALMON
- PACIFIC DOGWOOD

LEGEND

- PROJECT BOUNDARY
- - - EXISTING MAJOR CONTOUR
- - - EXISTING MINOR CONTOUR
- - - EXISTING STREAM CENTERLINE
- STREAM REACH'S EXISTING EDGE OF WATER (APPROX)
- /44 EXISTING TREE / SHRUB TO BE PRESERVED



**WINCHESTER BAY
STREAM REACH 1 RESTORATION**

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

RES Proj. #	RES180118
Proposed by	RES, CAL, CA
Drawn by	RES
Checked by	RES
Contract System	NAI 8.01.17

FINAL FOR PERMITTING

SHEET TITLE
TREE PRESERVATION & REMOVAL PLAN

SHEET NUMBER
11



RES | Environmental Solutions LLC
 100 Maple St., Suite 100
 Appleton, WI 54912
 Phone: 920.842.8200
 Fax: 920.842.8201
 Email: info@res.com

WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

AS2 Proj # 19010318
 Drawn by: SJL, AM, JJA
 Checked by: JJA
 Date: 08/14/19
 Client: Apple Canyon Lake Property Owners Association
 4000 Apple Canyon Rd, Appleton, WI 54912
 Phone: 920.842.8200
 Fax: 920.842.8201
 Email: info@res.com

FINAL FOR PERMITTING

DATE: _____ SHEET TITLE: **TREE PRESERVATION & REMOVAL PLAN**
 SHEET NUMBER: **12**

- ### SHEET NOTES
- ALL DEAD/FALLEN TREES/BRUSH AND LIMBS IN STREAM SHALL BE REMOVED TO MAINTAIN STREAM CHANNEL PRESERVED.
 - DO NOT DISTURB GROUND WITHIN ORP LINE / EXCEPT FOR TREE SURVEY.
 - REFER TO SHEET 15 FOR TREE SURVEY SUMMARY TABLE.
 - ALL STUMPS GREATER THAN 4" SHALL BE GROUND OUT.
 - ALL TREES / SHRUBS THAT ARE NOT TAGGED FOR PRESERVATION SHALL BE REMOVED. EXCEPT:
 - CHOKECHERRY
 - DOGWOOD
 - IRONWOOD
 - RED BUD
 - COMMON WITCH HAZEL
 - BLACKHAW VIBURNUM
 - PAGODA DOGWOOD

- ### LEGEND
- PROJECT BOUNDARY
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - EXISTING STREAM CENTERLINE
 - STREAM REACH 1 EXISTING EDGE OF WATER (APPROX)
 - EXISTING TREE / SHRUB TO BE PRESERVED



MATCHLINE SEE SHEET 11

N APPLE CANYON RD

MATCHLINE SEE SHEET 13

NORTH SCALE 1" = 20'

WINCHESTER BAY STREAM REACH 1 RESTORATION

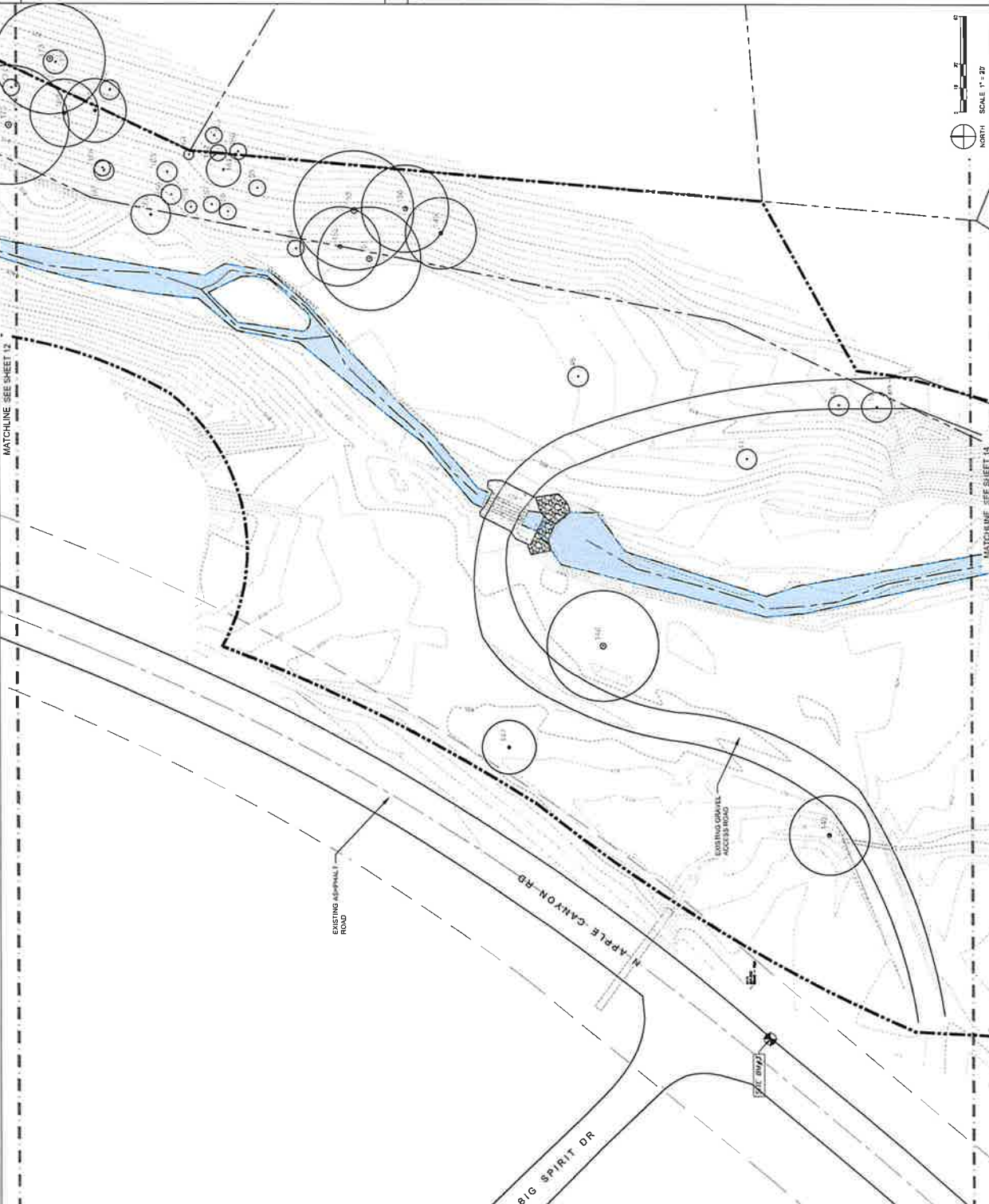
E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

NO. 10	PROJECT	RES-1013
NO. 11	DATE	02/24/14
NO. 12	CLIENT	AMA
NO. 13	CONTRACT	141
NO. 14	CONTRACT SYSTEM	IND 1 REEF
NO. 15	DATE	02/24/14
NO. 16	DATE	02/24/14
NO. 17	DATE	02/24/14
NO. 18	DATE	02/24/14
NO. 19	DATE	02/24/14
NO. 20	DATE	02/24/14

DATE: 02/24/14
 SHEET TITLE: TREE PRESERVATION & REMOVAL PLAN
 SHEET NUMBER: 13

- ### SHEET NOTES
- ALL DEAD/FALLEN TREES / SHRUBS AND DEBRIS JAMS IN STREAM SHALL BE REMOVED
 - DO NOT DISTURB GROUND WITHIN DRIP LINE / CANOPY OF ANY TREE TO BE PRESERVED
 - REFER TO SHEET 15 FOR TREE SURVEY SUMMARY TABLE
 - ALL TREES / SHRUBS WITHIN 4" SPREAD ARE TO BE REMOVED
 - ALL TREES / SHRUBS THAT ARE NOT TAGGED FOR PRESERVATION SHALL BE REMOVED.
- CHOKEDERRY
 - SERVICEBERRY
 - RED BUD
 - DOGWOOD
 - BLACKHAW VIBURNUM
 - PANICUM DOWNWOOD

- ### LEGEND
- PROJECT BOUNDARY
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - EXISTING STREAM CENTERLINE
 - STREAM REACH 1 EXISTING EDGE OF WASH APPROX.
 - EXISTING TREE / SHRUB TO BE PRESERVED



WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

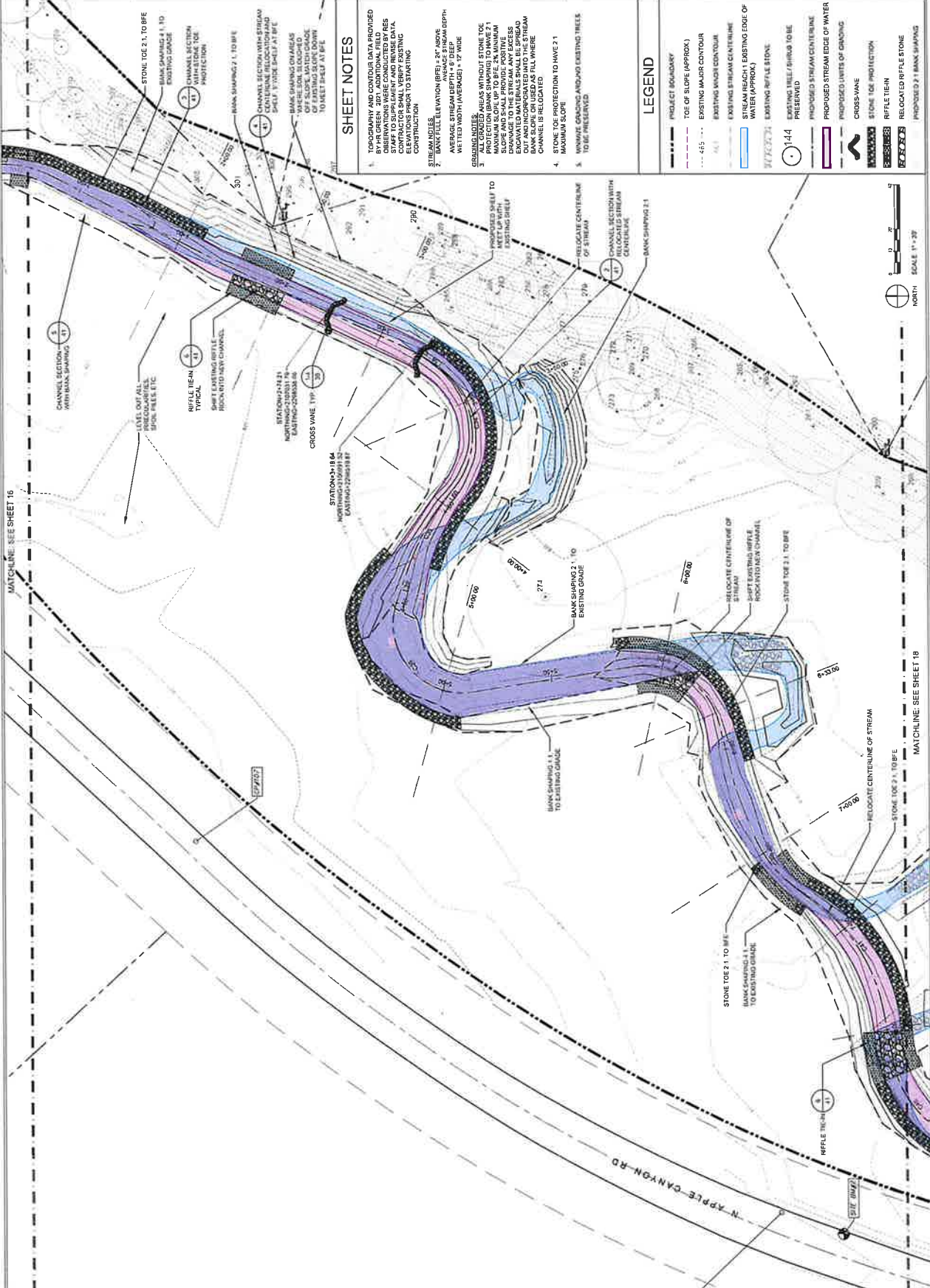
Project #	19100110
Drawn By	RIZ, JAM, JKA
Checked By	JKA
Contract No.	19100110
Contract Name	WINCHESTER BAY
Scale	AS SHOWN
Date	10/15/19
Sheet No.	17

FINAL FOR PERMITTING

DATE: _____ SHEET TITLE: _____

GRADING & LAYOUT

SHEET NUMBER
17



SHEET NOTES

- TOPOGRAPHY AND CONTOUR DATA PROVIDED BY THE CLIENT. FIELD SURVEY AND OBSERVATIONS WERE CONDUCTED BY RES STAFF TO SUPPLEMENT AND REVISE DATA. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED. ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
- STREAM NOTES:
 1. BANK FULL ELEVATION (BFE) - 2' TO 3' ABOVE AVERAGE STREAM DEPTH.
 2. BANK FULL ELEVATION (BFE) - 2' TO 3' ABOVE AVERAGE STREAM DEPTH.
 3. STREAM WIDTH (AVERAGE) - 12' WIDE.
- GRADING NOTES:
 1. ALL GRADING SHALL BE DONE WITHOUT STONE TOE PROTECTION. BANK SHAPING TO HAVE 2:1 SLOPE AND SHALL PROVIDE POSITIVE DRAINAGE TO THE STREAM. ANY EXCESS DRAINAGE SHALL BE INCORPORATED INTO THE STREAM BANK SLOPE OR USED AS FILL WHERE NECESSARY.
 2. STONE TOE PROTECTION TO HAVE 2:1 MAXIMUM SLOPE.
 3. REMOVE GRASSING AND/OR EXISTING TREES TO BE PRESERVED.

LEGEND

- PROJECT BOUNDARY
- TOE OF SLOPE (APPROX)
- EXISTING MAJOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STREAM CENTERLINE
- EXISTING STREAM CENTERLINE
- EXISTING REFLEE TIE-IN
- EXISTING REFLEE TIE-IN
- EXISTING TREE/SHRUB TO BE PRESERVED
- EXISTING TREE/SHRUB TO BE PRESERVED
- PROPOSED STREAM CENTERLINE
- PROPOSED STREAM CENTERLINE
- PROPOSED LIMITS OF GRADING
- CROSS-VANE
- CROSS-VANE
- STONE TOE PROTECTION
- STONE TOE PROTECTION
- REFLEE TIE-IN
- REFLEE TIE-IN
- RELOCATED REFLEE STONE
- RELOCATED REFLEE STONE
- PROPOSED 2:1 BANK SHAPING
- PROPOSED 2:1 BANK SHAPING



MATCHLINE SEE SHEET 16

MATCHLINE SEE SHEET 18

WINCHESTER BAY STREAM REACH 1 RESTORATION

N. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

NO.	DATE	DESCRIPTION
1	01/20/23	ISSUED FOR PERMITTING
2	02/01/23	REVISED FOR PERMITTING
3	02/01/23	REVISED FOR PERMITTING
4	02/01/23	REVISED FOR PERMITTING
5	02/01/23	REVISED FOR PERMITTING
6	02/01/23	REVISED FOR PERMITTING
7	02/01/23	REVISED FOR PERMITTING
8	02/01/23	REVISED FOR PERMITTING
9	02/01/23	REVISED FOR PERMITTING
10	02/01/23	REVISED FOR PERMITTING

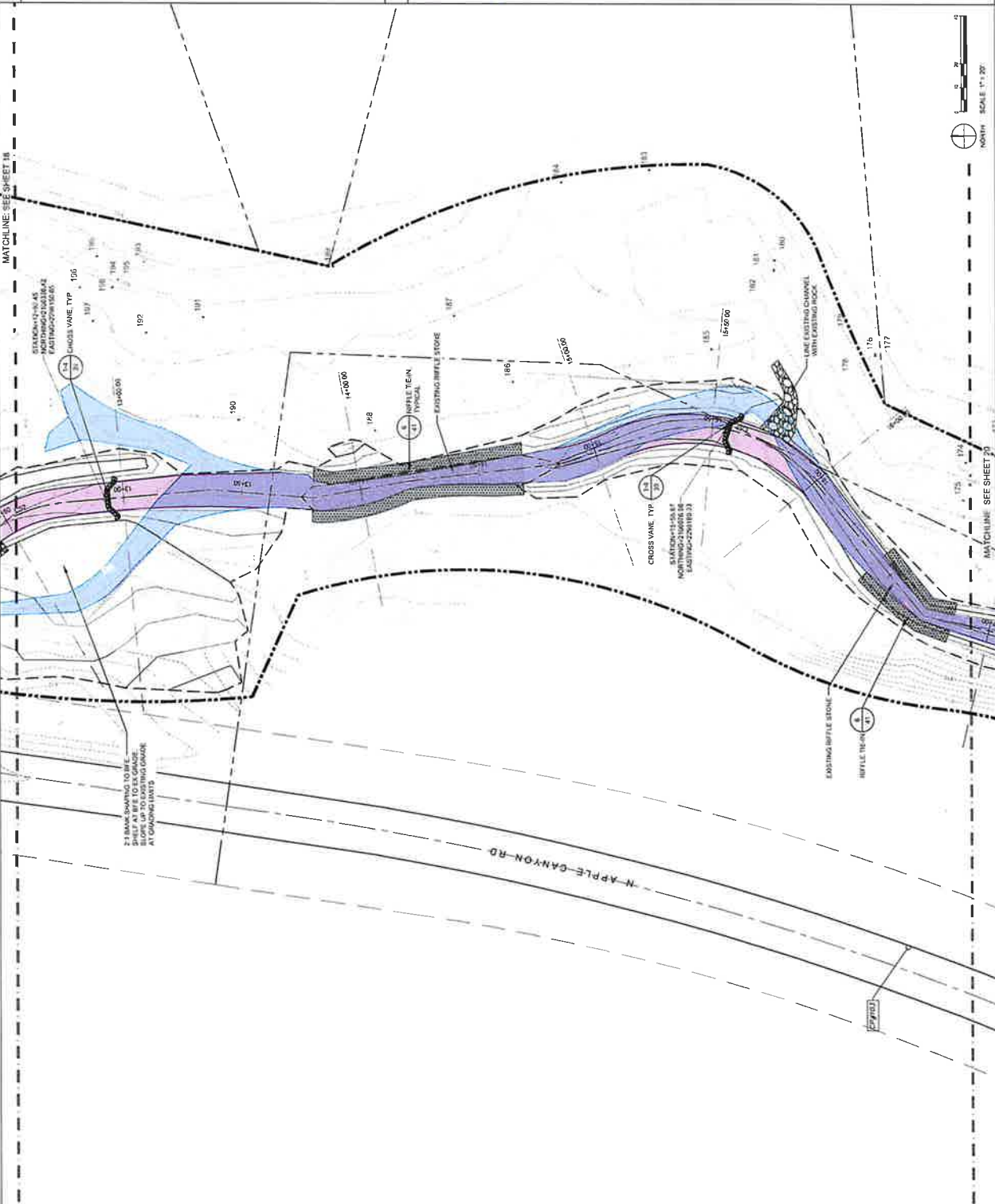
FINAL FOR PERMITTING

DATE: 5/10/23
 SHEET NUMBER: 19

- ### SHEET NOTES
1. TOPOGRAPHY AND CONTOUR DATA PROVIDED FOR THIS PROJECT WAS OBTAINED FROM AERIAL PHOTOGRAPHS AND FIELD SURVEY DATA. OBSERVATIONS WERE CONDUCTED BY RES STAFF TO SUPPLEMENT AND REVISE DATA. ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL. ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
 2. STREAM NOTES
 AVERAGE STREAM DEPTH: 0.50' DEEP
 WETTED WIDTH (AVERAGE): 7' - 12' WIDE
 AVERAGE STREAM DEPTH: 0.50' DEEP
 WETTED WIDTH (AVERAGE): 7' - 12' WIDE
 3. GRADING NOTES
 PROPOSED GRADING SHALL BE WITHOUT STONE TOE PROTECTION (BANK SHAPING) TO HAVE 2:1 SLOPE. PROPOSED GRADING SHALL PROVIDE POSITIVE DRAINAGE TO THE STREAM. ANY EXCESS DRAINAGE SHALL BE DIRECTED TO THE STREAM AND INCORPORATED INTO THE STREAM BANKS. SLOPE GRADING SHALL BE USED AS FILL WHERE CHANNEL IS RELOCATED.
 4. MAXIMUM SLOPE COLLECTION TO HAVE 2:1
 5. NONWAVE GRADING AROUND EXISTING TREES TO BE PRESERVED.

LEGEND

- PROJECT BOUNDARY
- TOE OF SLOPE (APPROX)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING STREAM CENTERLINE
- STREAM REACH 1 EXISTING EDGE OF WATER (APPROX)
- EXISTING RIPPLE STONE
- EXISTING TREE / SHRUB TO BE PRESERVED
- PROPOSED STREAM CENTERLINE
- PROPOSED STREAM EDGE OF WATER
- PROPOSED LIMITS OF DIMENS
- CROSSWAVE
- STONE TOE PROTECTION
- RIFFLE TRIN
- RELOCATED RIPPLESTONE
- PROPOSED 2:1 BANK SHAPING



MATCHLINE SEE SHEET 18

MATCHLINE SEE SHEET 20

N. APPLE CANYON RD

SCALE 1" = 20'

19

WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

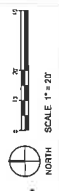
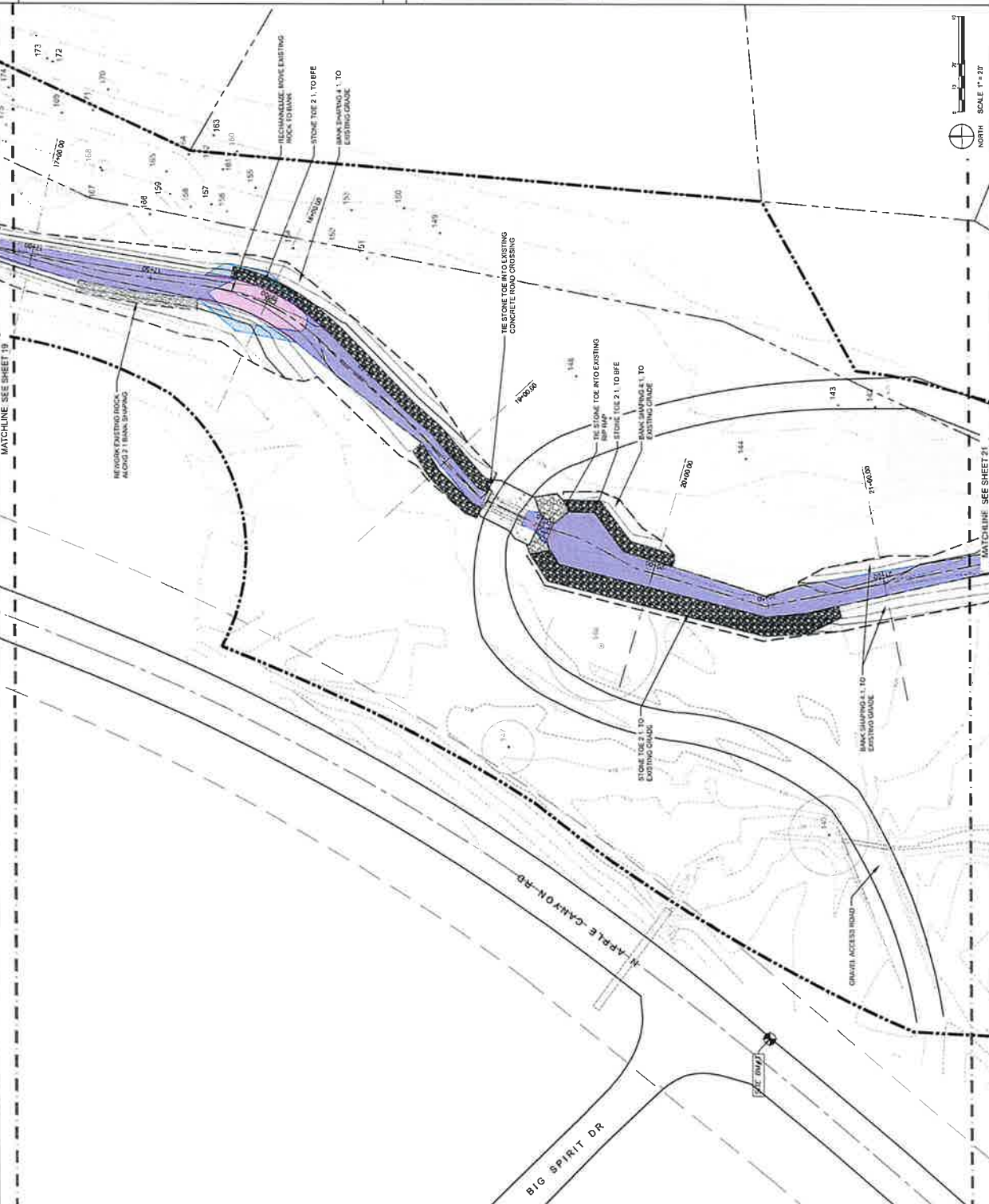
PROJECT #	PLU 08118
DESIGNED BY	SOE, JAL/JRA
CHECKED BY	JMA
DATE	08/17
CONTRACT SYSTEM	1403 & 4317
DATE PLOTTED	08/17/10
SCALE	AS SHOWN
PROJECT LOCATION	WINCHESTER BAY
PROJECT DESCRIPTION	STREAM RESTORATION
CLIENT	APPLE CANYON LAKES PROPERTY OWNERS ASSOCIATION

SHEET NOTES

1. TOPOGRAPHY AND CENTERLINE DATA PROVIDED BY CLIENT. ALL FIELD OBSERVATIONS WERE CONDUCTED BY RES SURVEYORS. ALL DATA CONTAINED HEREIN SHALL VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
2. STREAM NOTES:
 1. BANK TOE ELEVATION (BTE) - 2 FT ABOVE AVERAGE STREAM DEPTH.
 2. BANK TOE WIDTH (BTW) - 1/2 WIDTH OF CHANNEL.
 3. ALL CHANNEL AREAS WITHOUT STONE TOE PROTECTION SHALL BE SHIPPED TO BANK 2:1 PROTECTION. ANY PLACES WHERE SLOPE AND SMALL PROTECTIVE ROCKS CHANGE TO THE STREAM, ANY PLACES OUT AND INCOMPATIBLE TO THE STREAM BANKS SHALL BE USED AS FILL WHERE APPROPRIATE.
4. STONE TOE PROTECTION TO HAVE 2:1 MAXIMUM SLOPE.
5. MINOR GRADING AROUND EXISTING TREES TO BE PRESERVED.

LEGEND

	PROJECT BOUNDARY
	TOE OF SLOPE (APPROX)
	EXISTING WATER CONTOUR
	EXISTING STREAM CENTERLINE
	STREAM REACH 1 EXISTING EDGE OF WATER (APPROX)
	STONE TOE 2:1 EXISTING RIFFLE STONE
	EXISTING RIFFLE STONE
	PROPOSED STREAM CENTERLINE
	PROPOSED STREAM EDGE OF WATER
	PROPOSED LIMITS OF GRADING
	CROSS-SLOPE
	STONE TOE PROTECTION
	RIFFLE STEIN
	RELOCATED RIFFLE STONE
	PROPOSED 3:1 BANK SHAPING



MATCHLINE SEE SHEET 19

MATCHLINE SEE SHEET 21

BIG SPIRIT DR

N APPLE CANYON RD

GRAVEL ACCESS ROAD

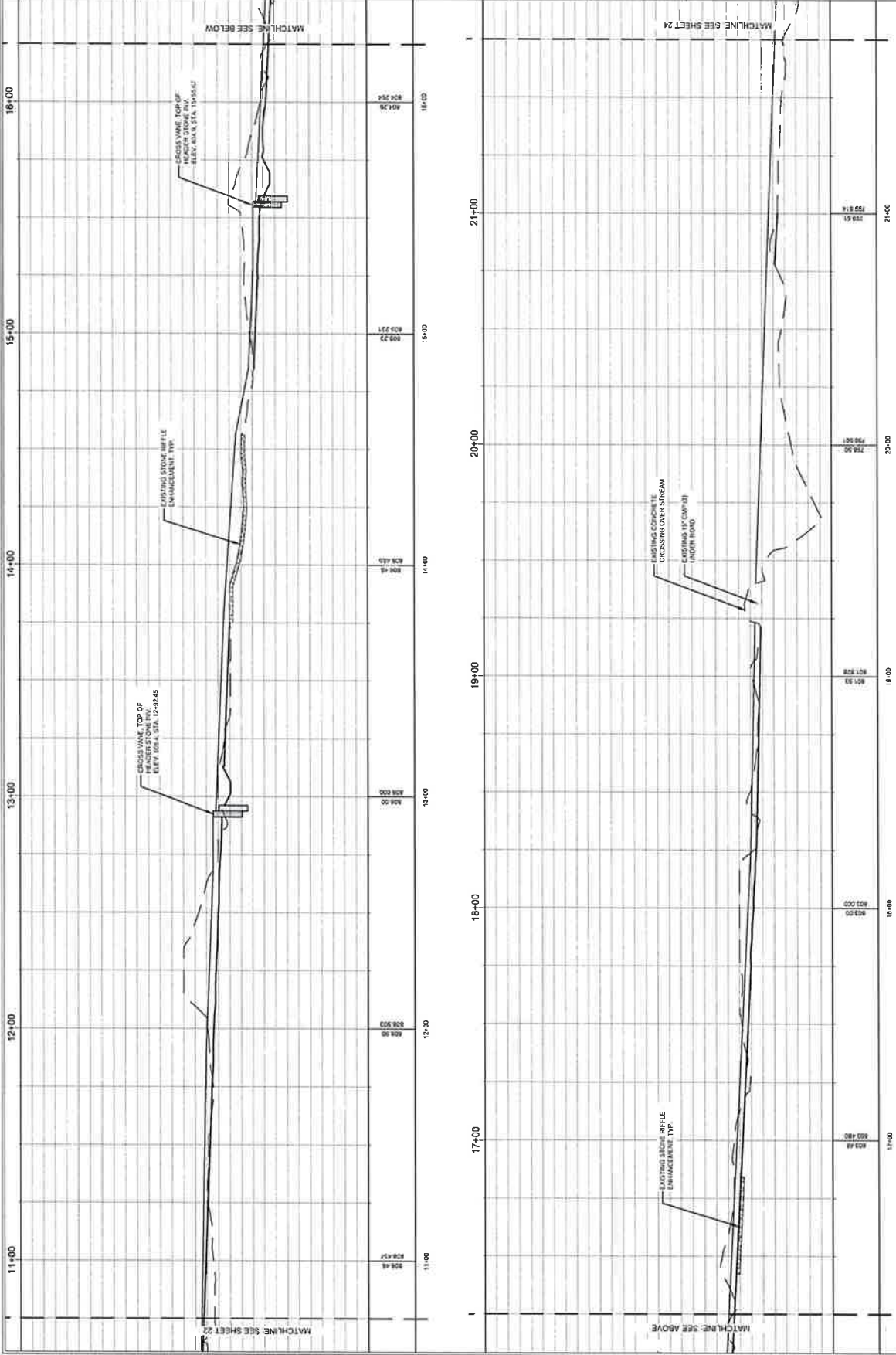
PROJECT #	18-001
DESIGNED BY	RES, JAL, JJA
CHECKED BY	JJA
DRAWN BY	SHZ
CONTRACT SYSTEM	NA010017

FINAL FOR PERMITTING

DATE: 5/17/18

STREAM PROFILE

SHEET NUMBER: **23**



1 WINCHESTER BAY STREAM REACH 1 PROFILE

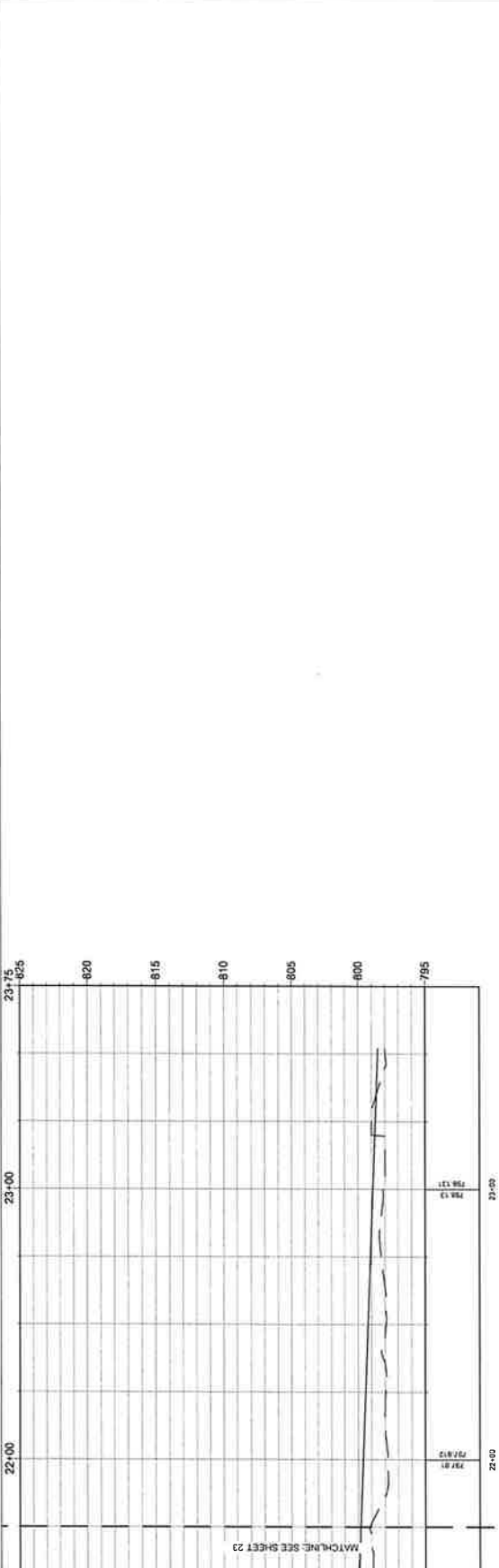
HORIZONTAL SCALE 1" = 25'-0" VERTICAL SCALE 1" = 2'-0"



Apple Canyon Lake Property Owners Association
 1 North Apple Canyon Rd downstream to Apple Canyon Lake, IL
**WINCHESTER BAY
 STREAM REACH 1 RESTORATION**

NO. PROJ.	1111111111
DATE	01/11/2018
PROJECT	WINCHESTER BAY
CLIENT	Apple Canyon Lake Property Owners Association
CONTRACT NO.	1111111111
CONTRACT DATE	01/11/2018
CONTRACT VALUE	1111111111
CONTRACT TYPE	1111111111
CONTRACT STATUS	1111111111
CONTRACT DESCRIPTION	1111111111

DATE: 01/11/2018
**STREAM
 PROFILE &
 STAKING TABLE**
 SHEET NUMBER: 24



1 WINCHESTER BAY STREAM REACH 1 PROFILE
 HORIZONTAL SCALE 1" = 20'-0" VERTICAL SCALE 1" = 4'-0"

STAKING TABLE

SEQUENCE STATION	TYPE	START STATION	START NORTHING	START EASTING	LENGTH	RADIUS	UNIDIRECTION DIRECTION	PROJECTION	END NORTHING	END EASTING	DELTA	CHORD LENGTH	DEGREE OF CURVATURE BY ARC
C00	CURVE	0+00.00	210193.00	228389.95	43.95	43.47	S72°32'50.62"W	1+04.84	210168.73	228460.35	65°23'15"	42.27	195°59'49"
C01	CURVE	0+43.95	210193.00	228389.95	11.33	56.95	S32°24'16.87"W	3+25.33	210686.72	228518.17	81°13'48"	11.33	100°35'45"
C02	CURVE	0+55.28	210686.72	228518.17	4.38	37.61	S32°00'04.77"W	3+29.81	210692.10	228515.00	-	-	-
C03	CURVE	0+59.66	210692.10	228515.00	50.82	37.61	S32°00'04.77"W	3+80.63	210697.52	228515.00	39°32'57"	54.41	152°21'22"
C04	CURVE	1+10.48	210697.52	228515.00	6.01	163.77	S31°18'58.90"W	3+86.64	210697.52	228515.00	-	-	-
C05	CURVE	1+16.49	210697.52	228515.00	38.27	105.56	S61°54'53.37"W	4+24.91	210697.52	228515.00	18°30'32"	38.09	53°46'04"
C06	CURVE	1+54.76	210697.52	228515.00	15.64	31.75	N07°50'00.15"W	4+40.55	210700.64	228468.15	118°11'18"	15.64	183°42'32"
C07	CURVE	1+70.40	210700.64	228468.15	86.45	31.75	S07°04'20.51"W	5+13.70	210687.23	228468.15	81°54'24"	46.40	166°41'38"
C08	CURVE	2+56.85	210687.23	228468.15	59.53	51.07	S32°25'53.71"W	6+27.89	210695.16	228532.55	33°18'16"	33.10	89°13'40"
C09	CURVE	3+16.38	210695.16	228532.55	33.57	57.78	S32°26'40.19"W	7+21.82	210692.14	228527.62	84°07'30"	33.57	72°05'54"
C10	CURVE	3+50.95	210692.14	228527.62	61.05	79.55	S31°48'17.86"W	7+81.81	210692.14	228527.62	57°03'25"	61.05	150°18'17"
C11	CURVE	4+12.00	210692.14	228527.62	47.43	47.63	S31°17'20.07"W	8+01.34	210692.14	228515.00	30°30'47"	47.43	59°53'56"
C12	CURVE	4+59.43	210692.14	228527.62	62.86	108.21	S22°45'27.69"W	9+24.09	210692.14	228515.00	-	-	-
C13	CURVE	5+21.29	210692.14	228527.62	4.35	94.88	S17°45'03.99"E	9+48.11	210621.37	228114.58	-	-	-
C14	CURVE	5+25.64	210621.37	228114.58	46.86	346.00	S31°51'55.54"E	10+33.06	210624.57	228113.75	7°46'27"	46.86	16°33'34"
C15	CURVE	5+72.50	210624.57	228113.75	4.48	72.66	S67°01'12.87"W	10+37.54	210624.57	228113.75	-	-	-
C16	CURVE	5+77.98	210624.57	228113.75	4.99	72.66	S17°59'22.32"W	10+42.52	210624.57	228113.75	3°56'26"	4.99	78°51'20"
C17	CURVE	5+82.97	210624.57	228113.75	29.18	114.90	S17°26'37.77"W	10+71.70	210624.57	228113.75	-	-	-
C18	CURVE	6+12.15	210624.57	228113.75	57.31	886.94	S12°14'02.65"W	11+29.00	210690.00	228113.75	6°31'58"	7.64	9°36'32"
C19	CURVE	6+69.46	210690.00	228113.75	7.64	886.94	S12°20'38.82"W	11+36.64	210682.24	228113.75	-	-	-
C20	CURVE	6+77.10	210682.24	228113.75	28.53	167.10	S12°45'08.38"W	11+65.17	210645.67	228113.75	57°19'17"	28.53	74°42'00"
C21	CURVE	7+05.63	210645.67	228113.75	71.86	167.10	S12°59'23.97"E	12+24.97	210629.49	228113.75	35°41'54"	31.41	91°52'46"
C22	CURVE	7+77.49	210629.49	228113.75	30.03	61.03	S22°53'09.01"E	12+55.00	210522.56	228113.75	60°12'04"	30.03	89°44'30"
C23	CURVE	8+07.52	210522.56	228113.75	76.28	63.14	S16°18'14.41"W	13+00.25	210528.41	228113.75	28°01'11"	31.78	83°18'33"
C24	CURVE	8+83.80	210528.41	228113.75	52.07	65.19	S32°26'20.49"W	13+27.09	210528.41	228113.75	28°58'18"	52.07	54°25'30"
C25	CURVE	9+35.87	210528.41	228113.75	15.88	16.88	S9°58'30.05"W	21+76.72	210528.41	228113.75	14.87	14.87	347°53'30"

Apple Canyon Lake Property Owners Association
 1 North Apple Canyon Rd downstream to Apple Canyon Lake, IL
**WINCHESTER BAY
 STREAM REACH 1 RESTORATION**





RES Environmental Remediation Solutions LLC
 1000 West 10th Street, Suite 100
 Denver, CO 80202
 Phone: 303.733.8800
 Fax: 303.733.8801
 www.resolutions.com

Apple Canyon Land Property Owners Association
 1000 West 10th Street, Suite 100
 Denver, CO 80202
 Phone: 303.733.8800
 Fax: 303.733.8801
 www.resolutions.com

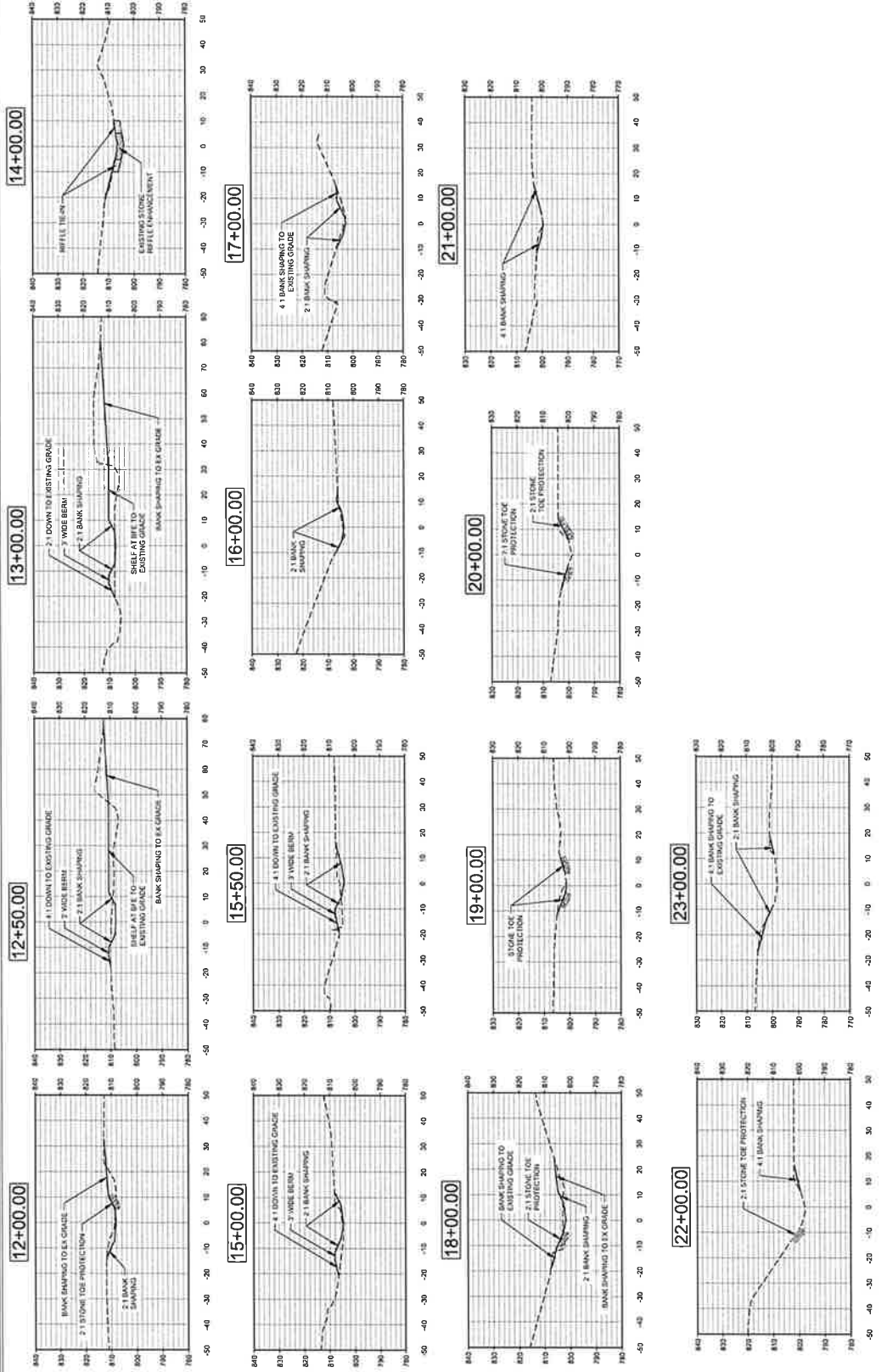
Project No. J
 Date: 10/11/11
 Location: Apple Canyon
 Drawing No. 642
 Scale: AS SHOWN

DATE: 10/11/11
 DRAWN BY: J. J. J.
 CHECKED BY: J. J. J.
 APPROVED BY: J. J. J.
 PROJECT: APPLE CANYON
 SHEET NO. 26
 OF 26

WINCHESTER BAY
 STREAM REACH 1 RESTORATION
 E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

SCALE: 1" = 20'-0"

1 WINCHESTER BAY STREAM REACH 1 CROSS SECTIONS



FINAL FOR PERMITTING

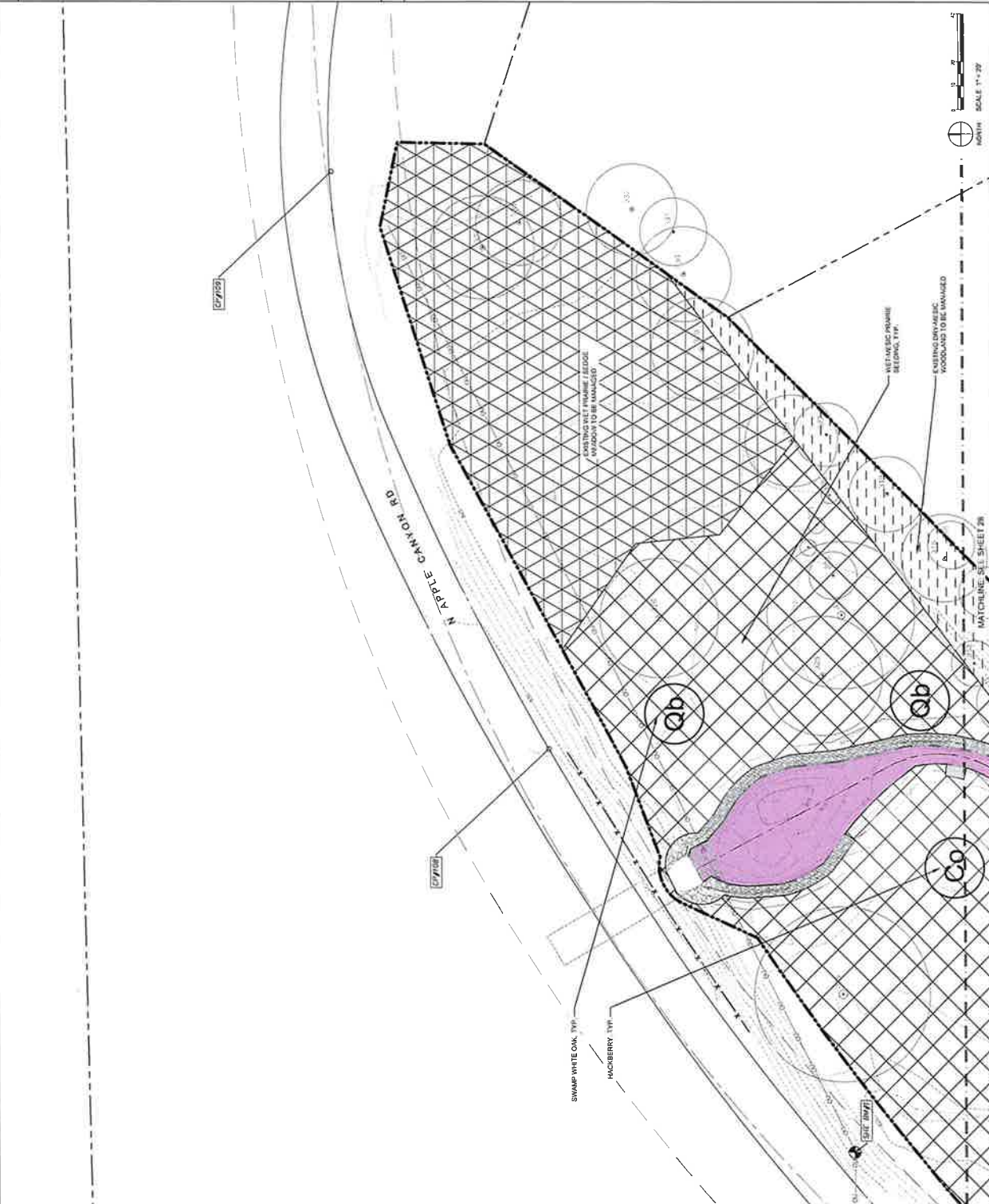
Project No.	2018-010
Client	Apple Canyon Lake Property Owners Association
Location	Apple Canyon Lake, IL
Contract No.	2018-010
Contract Name	Stream Restoration
Contract Status	Not Yet Started
Contract Start Date	
Contract End Date	
Contract Value	
Contract Description	
Contract Notes	

SHEET NOTES

- SEE NATIVE SEED LISTS ON SHEET 42 FOR SEED MIX SCHEDULE
- PLACE EROSION CONTROL, PLANKET AND STRAW MULCH AS SHOWN ON EROSION CONTROL PLANS IMMEDIATELY AFTER SEED PLACEMENT.

LEGEND

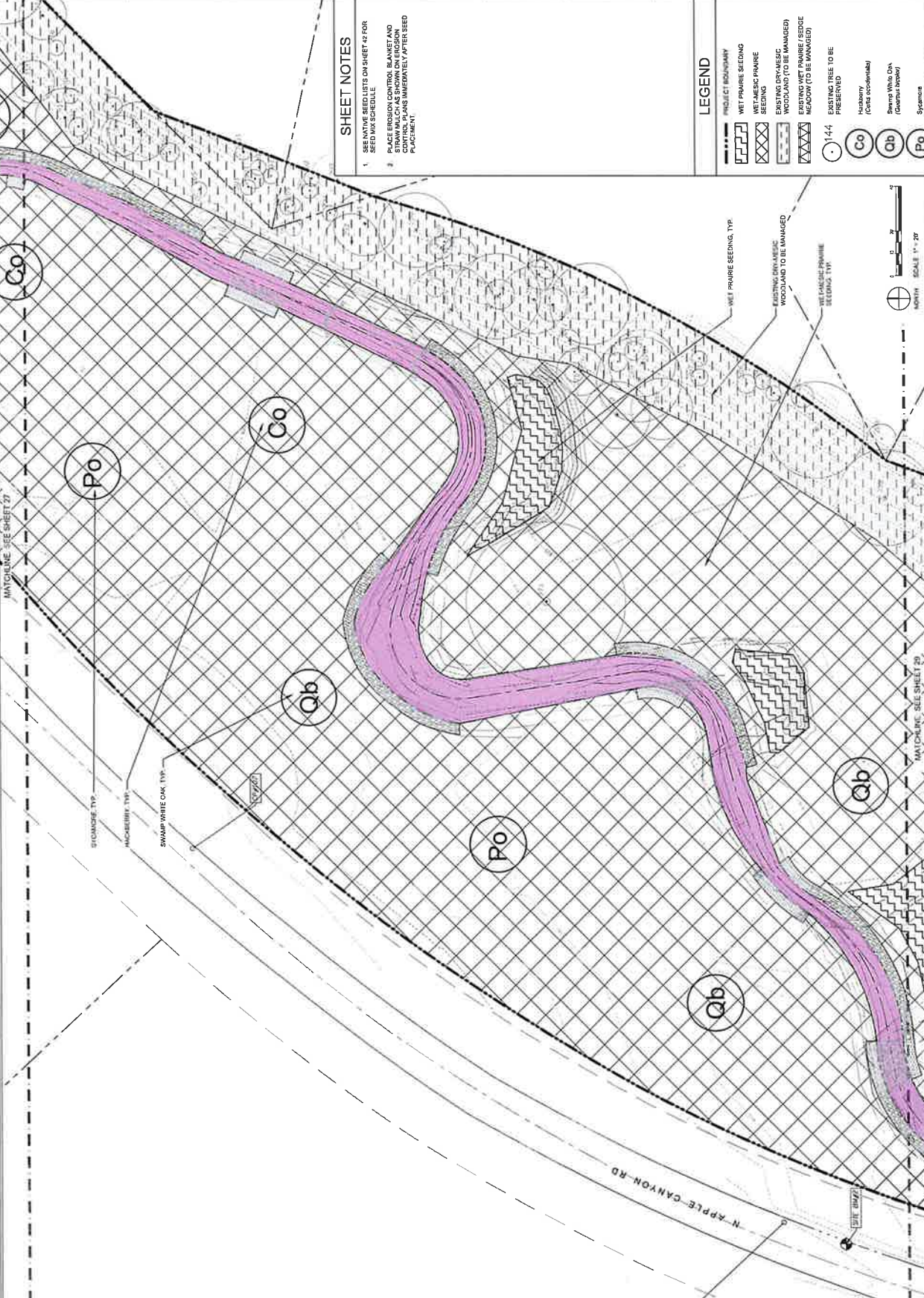
- PROJECT BOUNDARY
- WET PRAIRIE SEEDING
- WET-MESIC PRAIRIE SEEDING
- EXISTING DRY-MESIC WOODLAND (TO BE MANAGED)
- EXISTING WET PRAIRIE / SEDE MEADOW (TO BE MANAGED)
- EXISTING TREE TO BE PRESERVED
- Hickory (Celastraceae)
- Swamp White Oak (Quercus bicolor)
- Sycamore (Platanus occidentalis)



WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

PROJECT NO.	18-001
CLIENT	Apple Canyon Lake Property Owners Association
DATE	08/14/2018
DESIGNED BY	J. M. [Name]
CHECKED BY	[Name]
DATE	08/14/2018
CONTRACT SYSTEM	AWA SELECT



SHEET NOTES

- SEE NATIVE SEEDLISTS ON SHEET 27 FOR SEED MIX SCHEDULE
- PLACE EROSION CONTROL, BLANKET AND CONTROL PLANS IMMEDIATELY AFTER SEED PLACEMENT

LEGEND

- PROJECT BOUNDARY
- WET PRairie SEEDING
- WET PRairie FRAMING SEEDING
- EXISTING OPEN-SPACE WOODLAND (TO BE MANAGED)
- EXISTING WET PRairie / SEDGE MEADOW (TO BE MANAGED)
- EXISTING TREE TO BE PRESERVED
- 1-44
- Co
- Qb
- Po

Maple

Swamp White Oak (Quercus bicolor)

Swamp White Oak (Quercus bicolor)

Spontaneous

NO.	DATE	DESCRIPTION
1	08/11/2017	ISSUED FOR PERMITTING
2	08/11/2017	ISSUED FOR PERMITTING
3	08/11/2017	ISSUED FOR PERMITTING
4	08/11/2017	ISSUED FOR PERMITTING
5	08/11/2017	ISSUED FOR PERMITTING
6	08/11/2017	ISSUED FOR PERMITTING
7	08/11/2017	ISSUED FOR PERMITTING
8	08/11/2017	ISSUED FOR PERMITTING
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16	08/11/2017	ISSUED FOR PERMITTING
17	08/11/2017	ISSUED FOR PERMITTING
18	08/11/2017	ISSUED FOR PERMITTING
19	08/11/2017	ISSUED FOR PERMITTING
20	08/11/2017	ISSUED FOR PERMITTING

SHEET NOTES

- SEE NATIVE SEED LISTS ON SHEET 42 FOR SEED MANIPULATION
- PLACE EROSION CONTROL BLANKET AND CONTROL TANKS IMMEDIATELY AFTER SEED PLACEMENT

LEGEND

PROJECT BOUNDARY
 - - - - -

WET PRAIRIE SEEDING
 [Cross-hatch pattern]

WET ALBERTA PRAIRIE SEEDING
 [Diagonal hatch pattern]

EXISTING BRYALIC WOODLAND (TO BE MANAGED)
 [Dotted pattern]

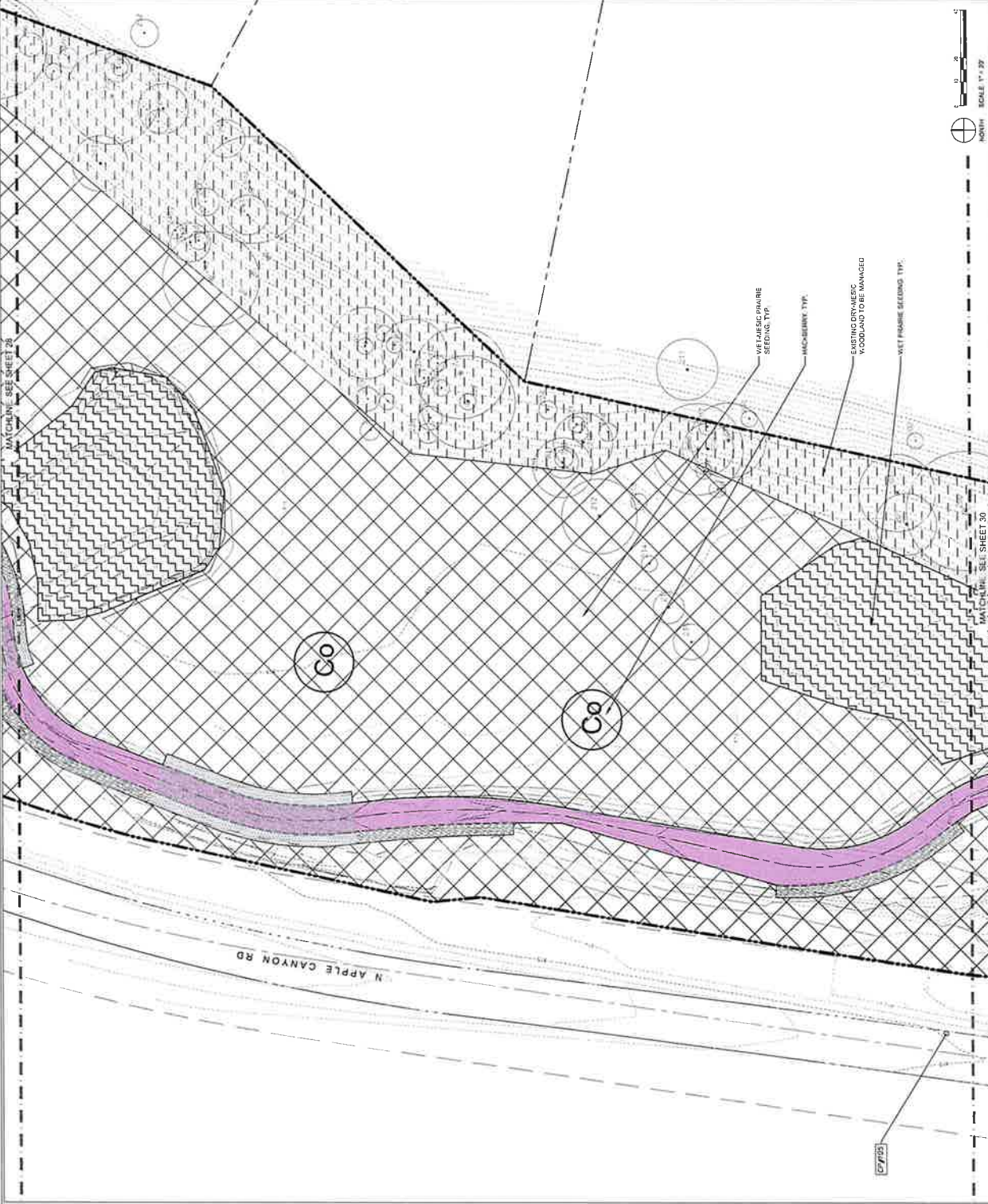
EXISTING WET PRAIRIE / SEED MEADOW (TO BE MANAGED)
 [Horizontal hatch pattern]

EXISTING TREE TO BE PRESERVED
 (1,4,4)

Co
 (Cirsium sp.)

Qb
 Swainson White Oak (Quercus alba)

Pb
 Sycamore (Platanus occidentalis)

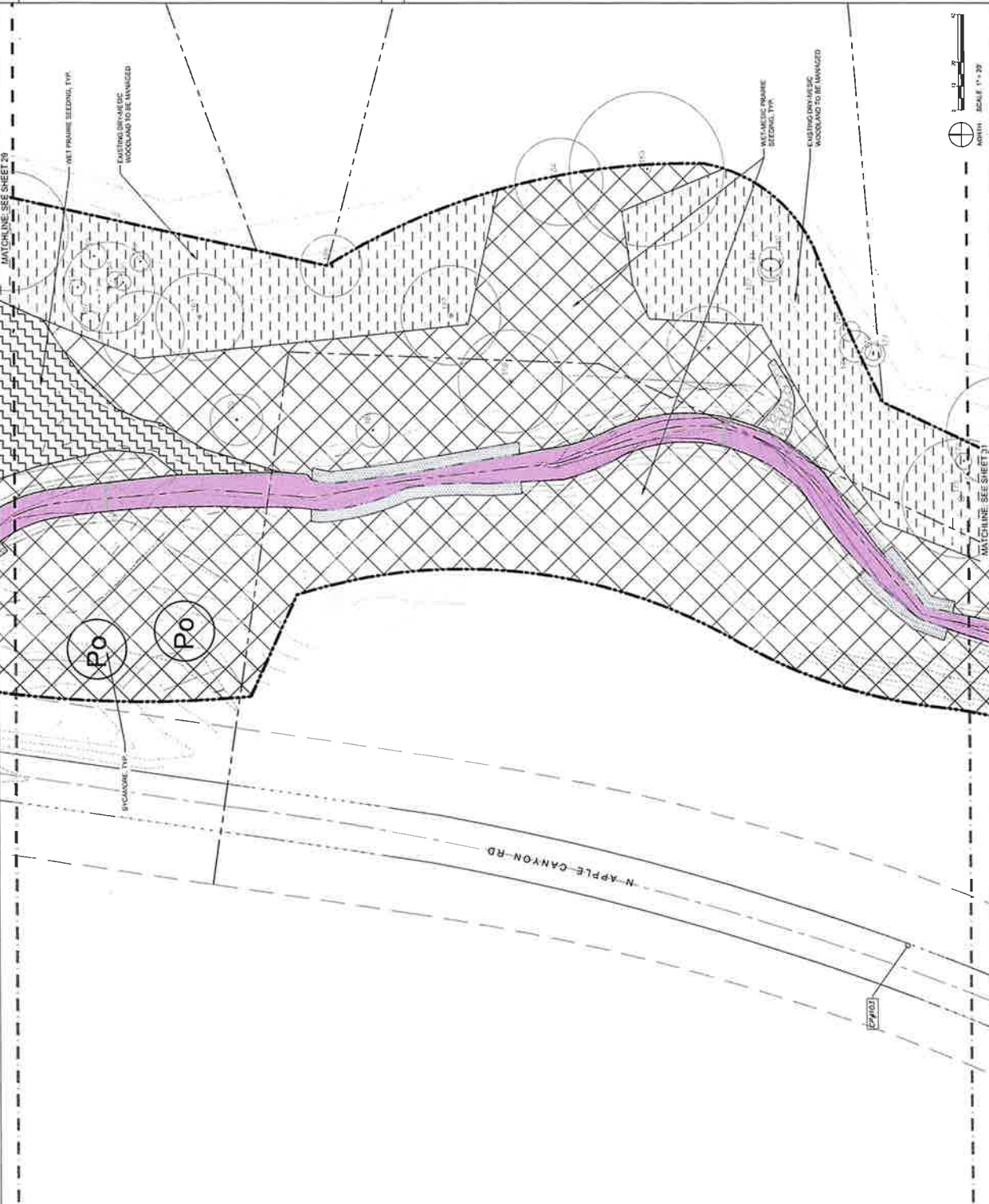


SHEET NOTES

- SEE NATIVE SEED LISTS ON SHEET 43 FOR SEED MIX SCHEDULE
- PLACE EROSION CONTROL BLANKET AND STRAW MULCH AS SHOWN ON EROSION CONTROL PLANS IMMEDIATELY AFTER SEED PLACEMENT.

LEGEND

- PROJECT BOUNDARY
- WET PRAIRIE SEEDING
- WET-MESIC PRAIRIE SEEDING
- EXISTING DRY-MESIC WOODLAND (TO BE MANAGED)
- EXISTING WET PRAIRIE / SEED MEADOW (TO BE MANAGED)
- EXISTING TREE TO BE PRESERVED
- 144
- Co (Celastrus occidentalis)
- Ob (Ostrya virginiana)
- Po (Panicum capillare)

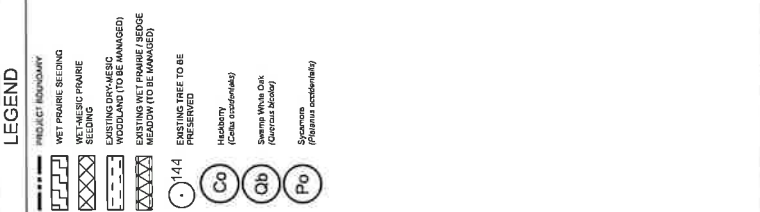


SHEET NOTES

- SEE NATIVE SEED LISTS ON SHEET 32 FOR SEED MIX SCHEDULE
- PLACE EROSION CONTROL, BLANKET AND STRAW MULCH AS SHOWN ON EROSION CONTROL PLANS IMMEDIATELY AFTER SEED PLACEMENT.

LEGEND

- PROJECT BOUNDARY
- WET PRAIRIE BEADING
- WET-AMEISC PRAIRIE SEEDING
- EXISTING DRY-AMEISC WOODLAND (TO BE MANAGED)
- EXISTING WET PRAIRIE / BEDGE MEADOW (TO BE MANAGED)
- EXISTING TREE TO BE PRESERVED
- 144
- Co (Celtis occidentalis)
- Qb (Quercus bicolor)
- Po (Populus sp.)



SCALE 1" = 20'
 NORTH

Project No.	14120
Client	Apple Canyon Lake Property Owners Association
Design By	RES
Drawn By	JAA
Checked By	BAZ
Contract System	MAX 8317
Scale	1" = 20'
Sheet No.	32
Sheet Title	PLANTING PLAN

FINAL FOR PERMITTING

DATE: 04/15/18

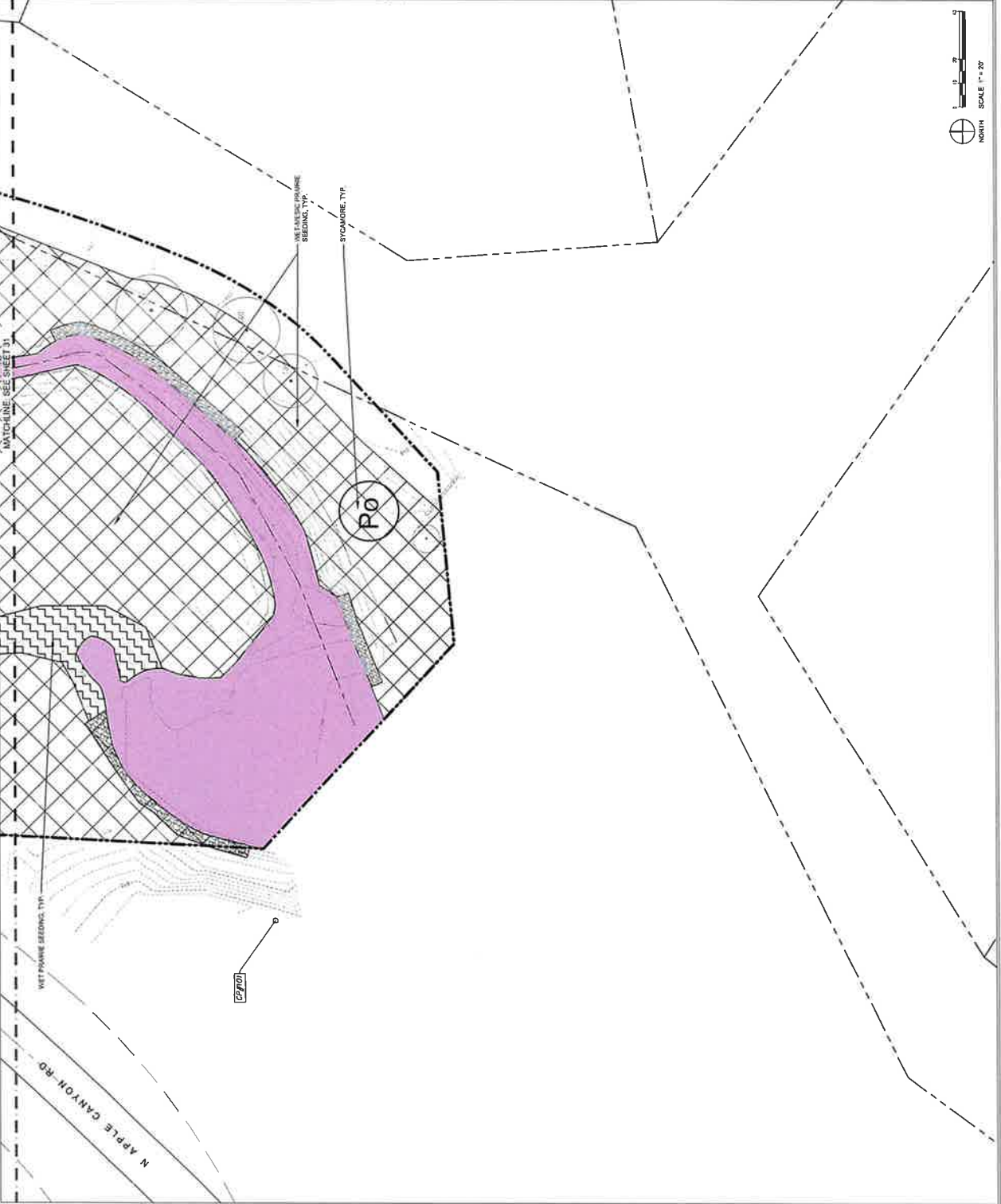
SHEET NUMBER: 32

SHEET NOTES

- SEE NOTE SHEETS ON SHEET 42 FOR SEED MIX SCHEDULE
- PLANTING SHALL BE DONE IN WETLANDS AND CONTROL PLANS IMMEDIATELY AFTER SEED PLACEMENT

LEGEND

- PROJECT BOUNDARY
- WET PRAIRIE SEEDING
- WETLANDS SEEDING
- SYCAMORE, TYP
- EXISTING DRY MEADOW WOODLAND (TO BE MANAGED)
- EXISTING WET PRAIRIE (SLOPE MEADOW) (TO BE MANAGED)
- EXISTING TREE TO BE PRESERVED
- 144
- Co (Carya acuminata)
- Qb (Quercus bicolor)
- Po (Prunus pennsylvanica)



WINCHESTER BAY STREAM REACH 1 RESTORATION

E. North Apple Canyon Rd downstream to Apple Canyon Lake, IL

Project No.	2019-018
Client	Apple Canyon Lake Property Owners Association
Design By	RES
Drawn By	JAA
Checked By	SAZ
Contract No.	2019-018
Contract Name	Apple Canyon Lake Property Owners Association
Contract Date	08/13/2019
Contract Location	Apple Canyon Lake, IL
Contract Description	Stream Restoration
Contract Status	Final

FINAL FOR PERMITTING

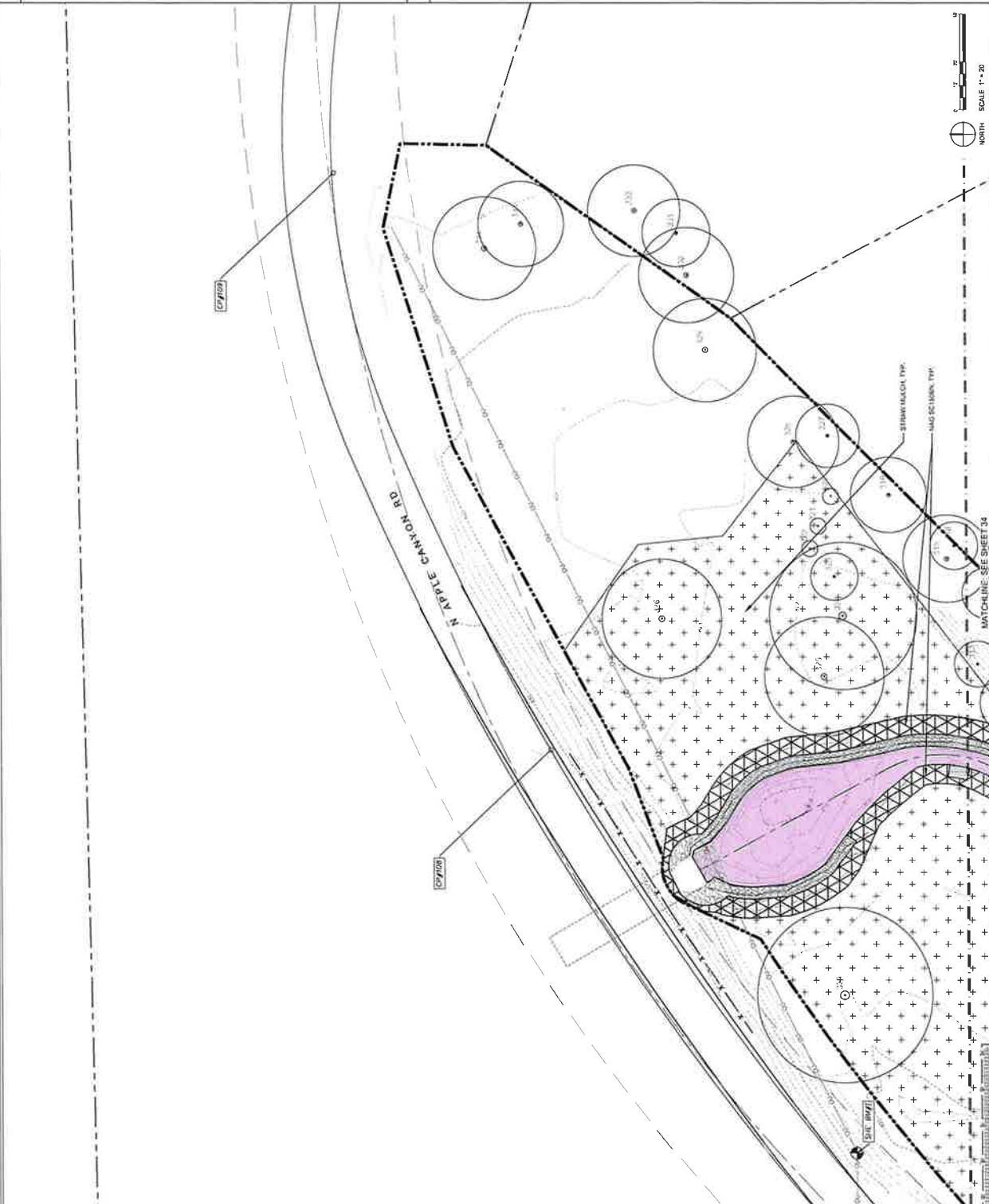
DATE: _____ SHEET TITLE: **EROSION & SEDIMENT CONTROL**

SHEET NUMBER: **33**

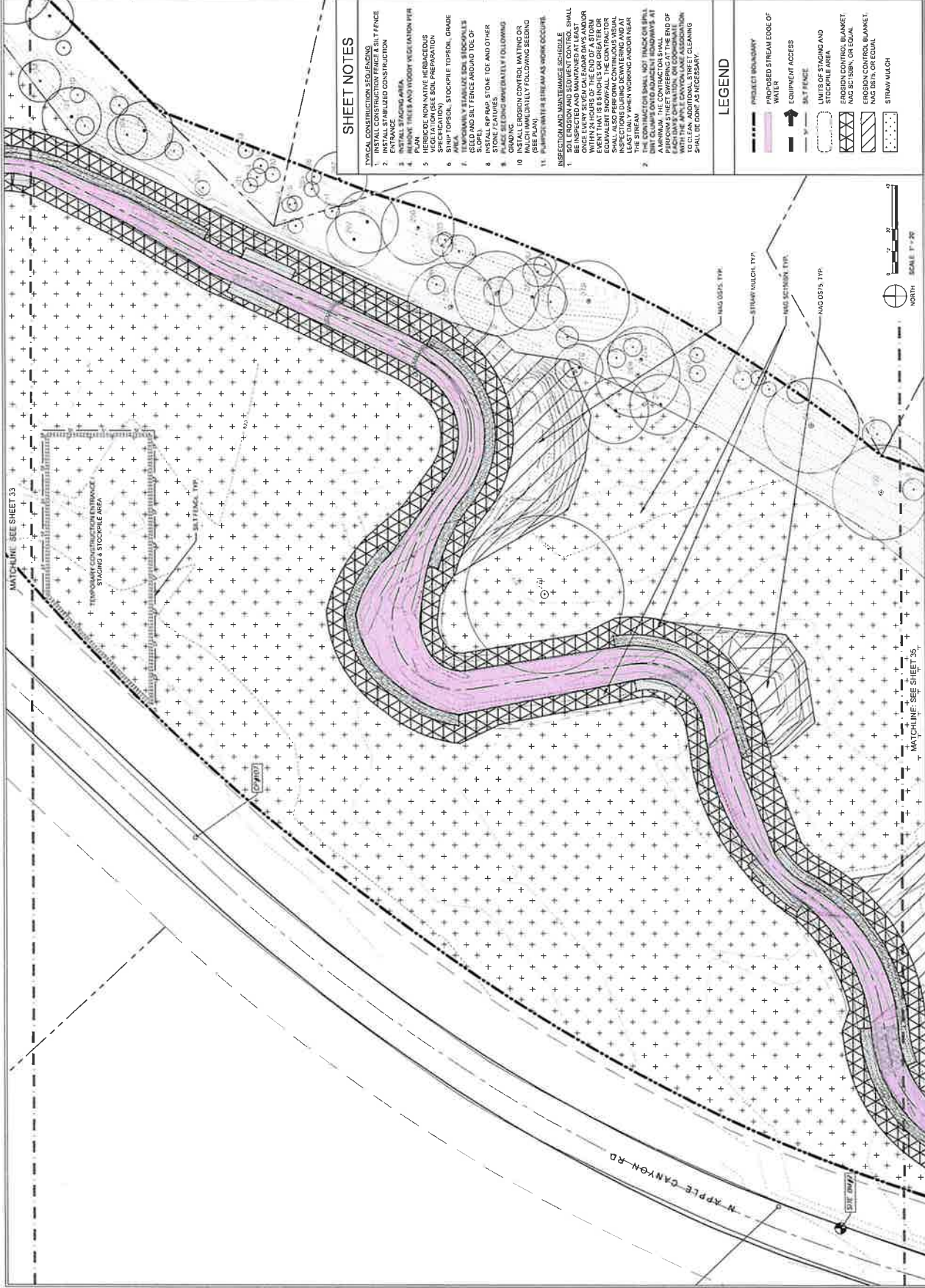
- ### SHEET NOTES
- REMOVE EXISTING VEGETATION PER PLAN
 - INSTALL CONSTRUCTION FENCE & SILT FENCE
 - ENTRANCE
 - REMOVE TREES AND WOODY VEGETATION PER PLAN
 - INSTALL NATIVE VEGETATION SPECIFICATION (SEE SOIL PREPARATION AREA)
 - TOPSOIL STOCKPILE TOPSOIL GRADE AREA
 - TEMPORARILY STABILIZE SLOPES WITH SILT FENCE AND/OR USE OF SLOPE
 - INSTALL RIP-RAP, STONE TIE AND OTHER PLACEMENT IMMEDIATELY FOLLOWING GRADING
 - EROSION CONTROL, MATING OR MULCH IMMEDIATELY FOLLOWING SEEDING (SEE PLAN)
 - PUMP/WATER STREAM AS WORK OCCURS
- INSPECTION AND MAINTENANCE SCHEDULE**
- SET EROSION AND SEDIMENT CONTROL STRUCTURES EVERY SEVEN (7) DAYS AND/OR AFTER EACH RAIN EVENT THAT EXCEEDS ONE INCH OR EQUIVALENT SNOWFALL. THE CONTRACTOR SHALL CONDUCT VISUAL INSPECTIONS DURING DEWATERING AND AT LEAST DAILY WHEN WORKING AND/OR NEAR DIRT CLUMPS ONTO ADJACENT ROADWAYS. AT EACH DAY'S OPERATION OR COORDINATION WITH THE LOCAL HEALTH DEPARTMENT TO CLEAN ADDITIONAL STREET CLEANING SHALL BE DONE AS NECESSARY.

LEGEND

- PROJECT BOUNDARY
- PROPOSED STREAM EDGE OF WATER
- EQUIPMENT ACCESS
- SILT FENCE
- LIMITS OF STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKET, MATING OR MULCH
- EROSION CONTROL BLANKET, MATING OR MULCH
- STRAW MULCH



Project No.	18-0018
Client	Apple Canyon Lake Property Owners Association
Scale	AS SHOWN
Drawn By	SKZ JAM/HA
Checked By	SKZ
Contract No.	18-0018
Contract Item	18-0018
Contract Date	18-0018
Contract Status	18-0018
Contract Value	18-0018
Contract Location	18-0018
Contract Description	18-0018
Contract Start Date	18-0018
Contract End Date	18-0018
Contract Owner	18-0018
Contract Designer	18-0018
Contract Engineer	18-0018
Contract Architect	18-0018
Contract Contractor	18-0018
Contract Subcontractor	18-0018
Contract Consultant	18-0018
Contract Specialist	18-0018
Contract Manager	18-0018
Contract Administrator	18-0018
Contract Coordinator	18-0018
Contract Assistant	18-0018
Contract Support	18-0018
Contract Other	18-0018



SHEET NOTES

1. TYPICAL CONSTRUCTION SEQUENCING SHALL BE AS FOLLOWS:
 1. INSTALL SILT FENCE
 2. INSTALL STRAW MULCH CONSTRUCTION ENTRANCE
 3. INSTALL STAGING AREA
 4. PLAN
 5. INSTALL 8" PVP FIBROUS REINFORCED POLYMER (FRP) PIPE
 6. HERBICIDE NON-NATIVE HERBACEOUS SPECIES (SPECIFICATION)
 7. SOIL PREPARATION
 8. STEP TOPSOIL, STOCKPILE TOPSOIL, GRADE
 9. TEMPORARILY STABILIZE SOIL STOCKPILES (SEED AND SILT FENCE AROUND TOP OF STOCKPILES)
 10. INSTALL RPP RAP, STONE TIE AND OTHER STONE FEATURES
 11. GRADING (CONFORM TO SPECIFICATION) FOLLOWING
 12. INSTALL EROSION CONTROL MATING OR OTHER EROSION CONTROL MEASURES (SEE PLAN)
 13. PUMP OUT WATER FROM WORK OCCURRENCE
2. INSPECTION AND MAINTENANCE SCHEDULE SHALL BE AS FOLLOWS:
 1. SOIL EROSION AND SEDIMENT CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL BE REPAIRED IMMEDIATELY AS NECESSARY WITHIN 24 HOURS OF THE END OF A STORM EVENT. THE CONTRACTOR SHALL MAINTAIN EQUIVALENT SNOWFALL. THE CONTRACTOR SHALL ALSO PERFORM CONTINUOUS VISUAL INSPECTION OF THE EROSION CONTROL MEASURES AT LEAST DAILY WHILE WORKING AND/OR NEAR THE STREAM.
 2. THE CONTRACTOR SHALL NOT TRACK OR SPILL ANY MATERIALS ONTO ADJACENT ROADWAYS. AT A MINIMUM, THE CONTRACTOR SHALL MAINTAIN THE CONTRACTOR'S TRUCKS AND EQUIPMENT OPERATING ON ADJACENT ROADWAYS TO CLEAN. ADDITIONAL STREET CLEANING SHALL BE DONE AS NECESSARY.

LEGEND

- PROJECT BOUNDARY
- PROPOSED STREAM EDGE OF WATER
- EQUIPMENT ACCESS
- SILT FENCE
- LIMITS OF STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKET, MAT 30" x 180" OR EQUIV.
- EROSION CONTROL BLANKET, MAT 60" x 75" OR EQUIV.
- STRAW MULCH



MATCHLINE - SEE SHEET 33

MATCHLINE - SEE SHEET 35

N APPLE CANYON RD

TEMPORARY CONSTRUCTION ENTRANCE, STAGING & STOCKPILE AREA

STAGE

180 DIPS, TYP.

STUMP MULCH, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

180 DIPS, TYP.

SHEET NOTES

1. TYPICAL CONSTRUCTION SEQUENCING SHALL BE AS FOLLOWS:
 1. INSTALL STAKE AND RIBBON VEGETATION PER PLAN
 2. INSTALL STAKE AND RIBBON VEGETATION PER PLAN
 3. INSTALL STAGING AREA
 4. INSTALL STAKE AND RIBBON VEGETATION PER PLAN
 5. HERBICIDE TREATMENT PER SPECIFICATION
 6. HERBICIDE TREATMENT PER SPECIFICATION
 7. TEMPORARILY STABILIZE SOIL STOCKPILES
 8. INSTALL RPP RAP, STONE DOE AND OTHER STONE FEATURES
 9. CRACKING AND REPAIRS AS NECESSARY
 10. INSTALL EROSION CONTROL MATTING OR EQUIVALENT PER PLAN
 11. PUMPED WATER STRAW AS WORK OCCURS
2. SOIL EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND FOR 24 HOURS OF THE END OF A STORM EVENT. SOIL EROSION AND SEDIMENT CONTROL SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE REPAIRED AS NECESSARY. SOIL EROSION AND SEDIMENT CONTROL SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE REPAIRED AS NECESSARY.

LEGEND

- PROJECT BOUNDARY
- PROPOSED STREAM EDGE OF WATER
- EQUIPMENT ACCESS
- STAKE FENCE
- LIMITS OF STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKET, MGC 50108B, OR EQUAL
- EROSION CONTROL BLANKET, MGC D575, OR EQUAL
- STRAW MATCH



DATE	DESCRIPTION
10/20/20	Initial Design
11/10/20	Final Design
12/15/20	Construction Start
01/31/21	Construction Complete
02/28/21	Final Inspection

SHEET NOTES

- INSTALL PERMANENT FENCE
- INSTALL STABILIZED CONSTRUCTION ENTRANCE
- INSTALL STAGING AREA
- INSTALL 18" x 18" GRID PLYWOOD VEGETATION PER PLAN
- HERBICIDE-NONNATIVE HERBACEOUS SPECIFICATION - SOIL PROTECTION
- TEMPORARILY STABILIZE SOIL STOCKPILES (USED AND BILT FENCE AROUND TOE OF STOCKPILES)
- INSTALL RIP RAP, STONE TOE AND OTHER STONE FEATURES, IMMEDIATELY FOLLOWING GRADING
- INSTALL EROSION CONTROL MATTING OR MULCH IMMEDIATELY FOLLOWING STAGING (SEE PLAN)
- PUMPOUT WATER STREAM AS WORK OCCURS
- INSPECTION AND MAINTENANCE SCHEDULE
- SOIL EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES WITHIN 24 HOURS OF THE END OF A STORM EVENT. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 10% COVER AT ALL TIMES. THE CONTRACTOR SHALL ALSO PERFORM CONTINUOUS VISUAL INSPECTIONS OF THE STREAM CHANNEL AT LEAST DAILY WHILE WORKING AND/OR NEAR THE STREAM
- TRUCKS AND EQUIPMENT SHALL NOT TRACK OR SPILL MATERIALS ONTO ADJACENT ROADWAYS AT ANY TIME. THE CONTRACTOR SHALL END OF EACH DAY'S OPERATION OR COORDINATE WITH THE ADJACENT PROPERTY OWNER TO DO ANY ADDITIONAL STREET CLEANING THAT SHALL BE DONE AS NECESSARY.

LEGEND

- PROJECT BOUNDARY
- PROPOSED STREAM EDGE OF WATER
- EQUIPMENT ACCESS
- BILT FENCE
- AREAS OF STAGING AND STOCKPILE AREA
- EROSION CONTROL BLANKET - 18" x 18" GRID PLYWOOD OR EQUAL
- EROSION CONTROL BLANKET - 18" x 18" GRID PLYWOOD OR EQUAL
- STRAW MULCH



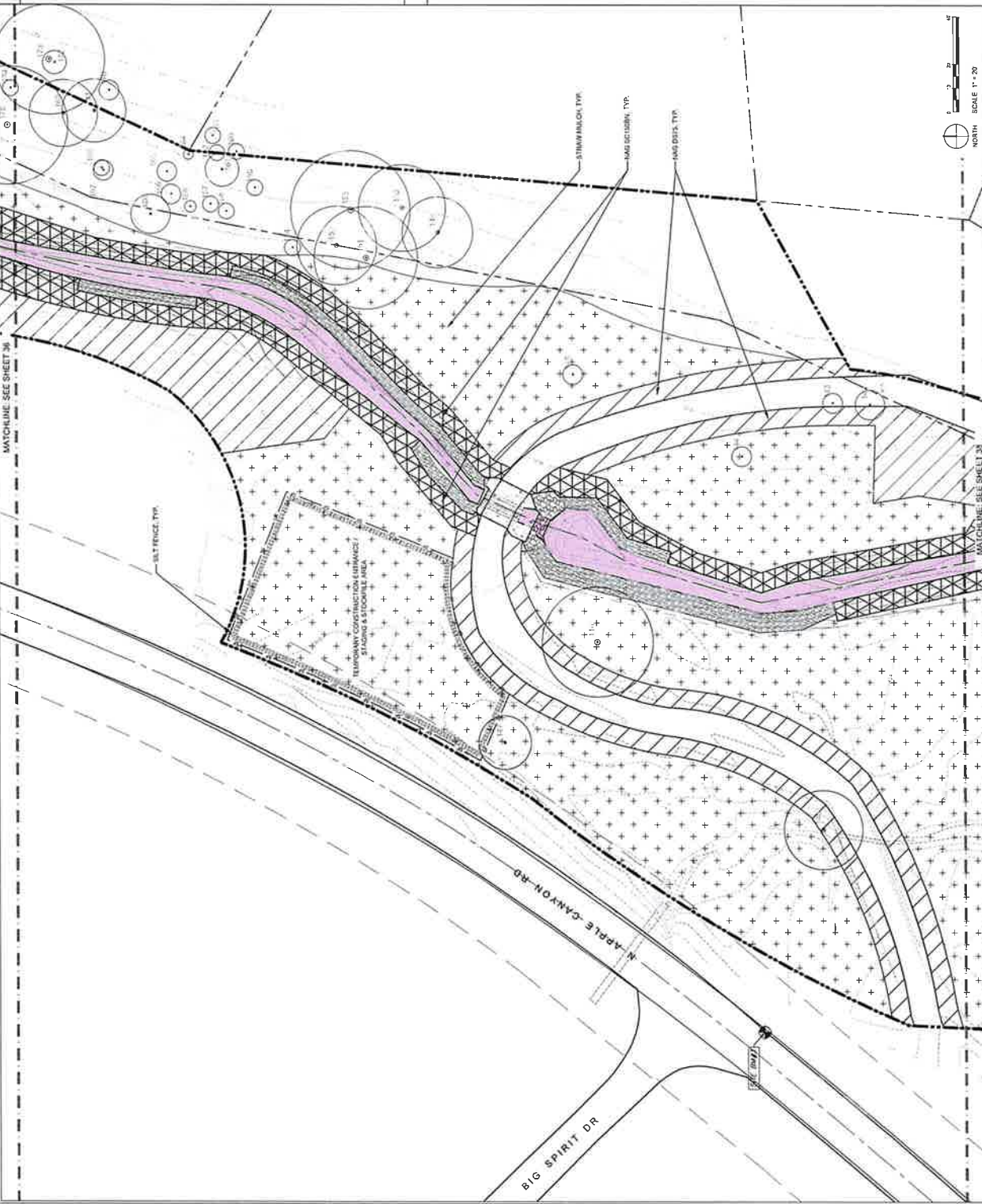
WINCHESTER BAY STREAM REACH 1 RESTORATION

E1 North Apple Canyon Rd downstream to Apple Canyon Lake, IL

Project No.	18-001018
Client	Apple Canyon Lake Property Owners Association
Contract No.	18-001018
Contractor	SWI, INC.
Contractor License No.	18-001018
Contractor License State	CO
Contractor License Expiration	12/31/2018
Contractor License Category	18-001018
Contractor License Subcategory	18-001018
Contractor License Description	18-001018
Contractor License Address	18-001018
Contractor License City	18-001018
Contractor License State	18-001018
Contractor License Zip	18-001018
Contractor License Phone	18-001018
Contractor License Fax	18-001018
Contractor License Email	18-001018
Contractor License Website	18-001018
Contractor License Other	18-001018

- ### SHEET NOTES
1. VERIFY CONSTRUCTION RESTRICTIONS AND INSTALL CONSTRUCTION FENCE & SILT FENCE
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE
 3. ENHANCE EXISTING AREA
 4. REMOVE TREES AND WOODY VEGETATION PER PLAN
 5. PREPARE AND MAINTAIN LOGS AND/OR VEGETATION (SEE SOIL PREPARATION SPECIFICATION)
 6. AREA TO BE STABILIZED TO PREVENT EROSION
 7. TEMPORARILY STABILIZE SOIL STOCKPILES WITH MULCH AND SILT FENCE AROUND TOE OF SLOPE
 8. INSTALL BMP RAP, STONE ICE AND OTHER EQUIPMENT
 9. PLACE SEEDING IMMEDIATELY FOLLOWING GRADING
 10. INSPECTION AND REPAIR, MAINTENANCE OR MULCH IMMEDIATELY FOLLOWING SEEDING (SEE PLAN)
 11. PUMP OUT WATER FROM STREAM AS WORK OCCURS
- APPLICATION AND MATERIAL SCHEDULE**
1. SOIL EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE PROJECT PERIOD AND SHALL BE MAINTAINED ONCE EVERY SEVEN CALENDAR DAYS AND/OR AFTER EVERY SIGNIFICANT WEATHER EVENT THAT IS SIX INCHES OR GREATER OR EQUIVALENT SNOWFALL. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL EROSION CONTROL MEASURES AT LEAST DAILY WHEN WORKING AND/OR NEAR DIRT CLUMPS ONTO ADJACENT ROADWAYS AT EACH DAILY OPERATION OR COORDINATION WITH THE LOCAL HEALTH DEPARTMENT TO CLEAN ADDITIONAL STREET CLEANING SHALL BE DONE AS NECESSARY.

- ### LEGEND
- PROJECT BOUNDARY
 - PROPOSED STREAM EDGE OF CHANNEL
 - EQUIPMENT ACCESS
 - SILT FENCE
 - LIMITS OF STAGING AND STOCKPILE AREA
 - EROSION CONTROL BLANKET, 100% SCISSOR, OR EQUAL
 - EROSION CONTROL BLANKET, 100% DOTS, OR EQUAL
 - STRAW MULCH



WINCHESTER BAY STREAM REACH 1 RESTORATION

E North Apple Canyon Rd downstream to Apple Canyon Lake, IL

Project No.	18-0018
Drawn By	JM
Checked By	SAZ
Contract Name	WATERWAY
Sheet No.	38

FINAL FOR PERMITTING

DATE: _____ SHEET TITLE: _____

EROSION & SEDIMENT CONTROL

SHEET NUMBER: **38**

- ### SHEET NOTES
1. PERFORM CONSTRUCTION SEQUENCING
 2. INSTALL STABILIZED CONSTRUCTION SILT FENCE
 3. ENHANCE EXISTING VEGETATION
 4. REMOVE TREES AND WOODY VEGETATION PER PLAN
 5. USE ROCKS AND LOGS FOR EROSION CONTROL
 6. VEGETATION (SEE SOIL PREPARATION SPECIFICATION)
 7. TEMPORARILY STABILIZE SLOPE STOCKPILES AND SILT FENCE AROUND TOE OF SLOPE
 8. INSTALL RIP RAP STONE TOE AND OTHER EROSION CONTROL MEASURES
 9. PLACE SEEDING IMMEDIATELY FOLLOWING GRADING
 10. INSPECTION FOR NOISE, MATING OR MUDCH IMMEDIATELY FOLLOWING SEEDING (SEE PLAN)
 11. PUMP/WATER STREAM AS WORK OCCURS

LEGEND

- PROJECT BOUNDARY
- PROPOSED STREAM EDGE OF WATER
- EQUIPMENT ACCESS
- SILT FENCE
- LIMITS OF STAGING AND STOCKPILE AREA
- EROSION CONTROL: BLANKET, MATS, LOGS, RIP RAP, OR EQUAL
- EROSION CONTROL: BLANKET, MATS, LOGS, OR EQUAL
- STRAW MULCH

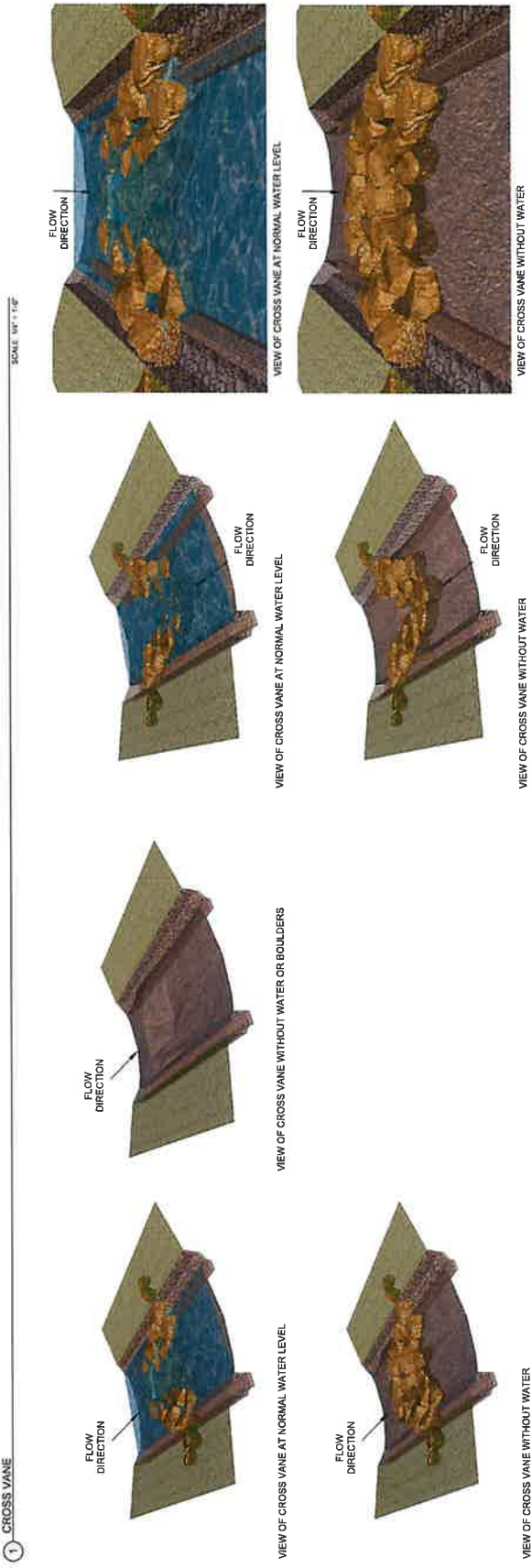
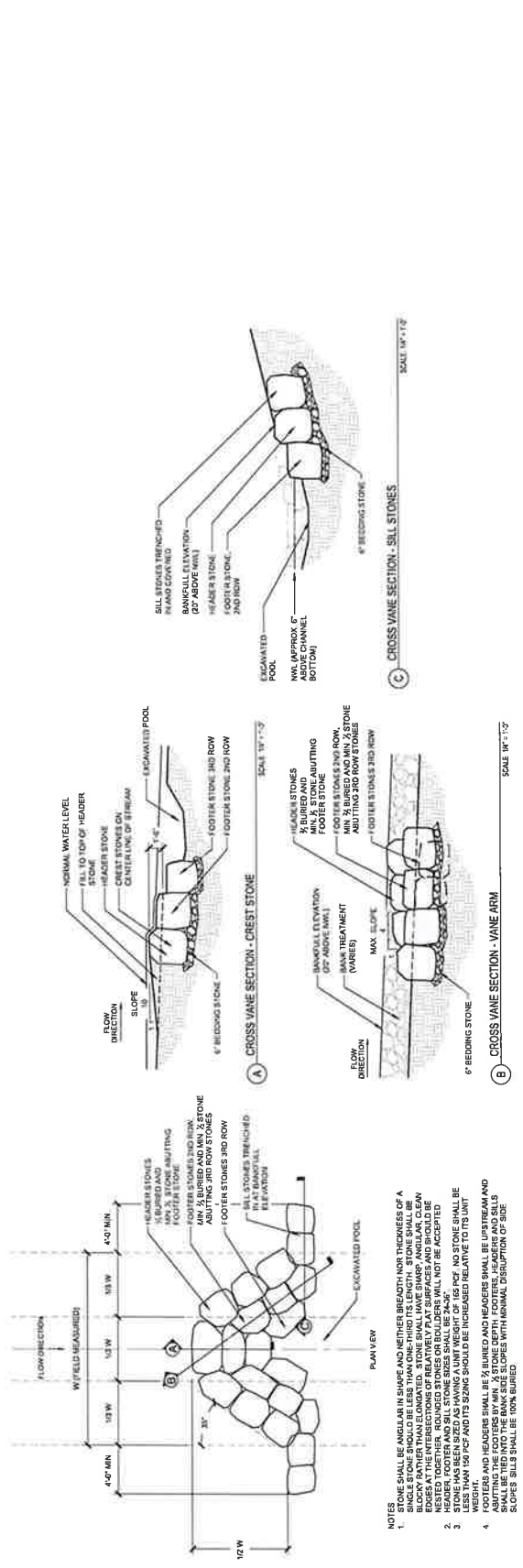


PROJECT NO.	19-0001
DATE	03/20/2019
DESIGNED BY	JAA
CHECKED BY	GAZ
CONTRACT NO.	190113000
DATE	03/20/2019
PROJECT	WINCHESTER BAY
LOCATION	North Apple Canyon Rd
SCALE	AS SHOWN

DATE: _____ SHEET TITLE: **CROSS VANE DETAILS**

SCALE: _____

FINAL FOR PERMITTING



VIEW OF CROSS VANE AT NORMAL WATER LEVEL

VIEW OF CROSS VANE WITHOUT WATER OR BouldERS

VIEW OF CROSS VANE AT NORMAL WATER LEVEL

VIEW OF CROSS VANE WITHOUT WATER

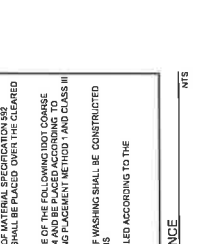
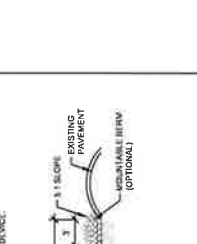
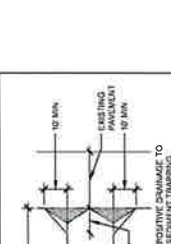
VIEW OF CROSS VANE WITHOUT WATER

VIEW OF CROSS VANE WITHOUT WATER

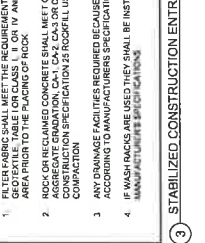
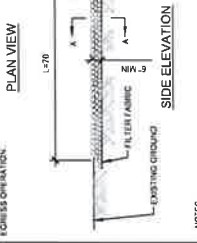
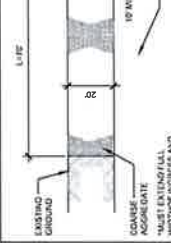
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82	06/01/2021	REVISED PER COMMENTS
83	06/15/2021	REVISED PER COMMENTS
84	07/01/2021	REVISED PER COMMENTS
85	07/15/2021	REVISED PER COMMENTS
86	08/01/2021	REVISED PER COMMENTS
87	08/15/2021	REVISED PER COMMENTS
88	09/01/2021	REVISED PER COMMENTS
89	09/15/2021	REVISED PER COMMENTS
90	10/01/2021	REVISED PER COMMENTS
91	10/15/2021	REVISED PER COMMENTS
92	11/01/2021	REVISED PER COMMENTS
93	11/15/2021	REVISED PER COMMENTS
94	12/01/2021	REVISED PER COMMENTS
95	12/15/2021	REVISED PER COMMENTS
96	01/01/2022	REVISED PER COMMENTS
97	01/15/2022	REVISED PER COMMENTS
98	02/01/2022	REVISED PER COMMENTS
99	02/15/2022	REVISED PER COMMENTS
100	03/01/2022	REVISED PER COMMENTS



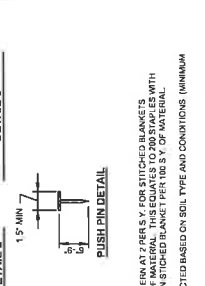
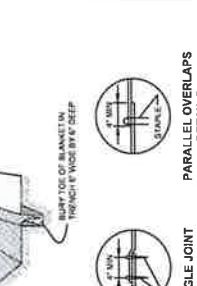
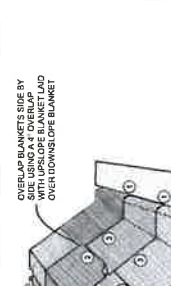
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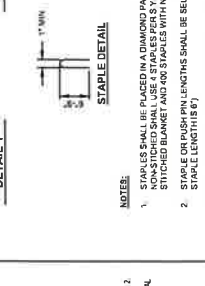
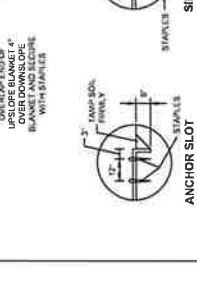
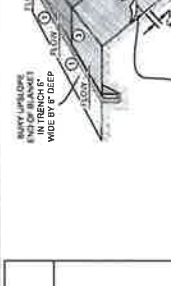
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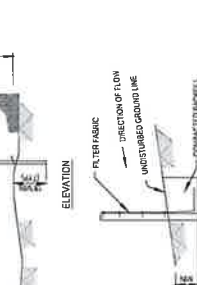
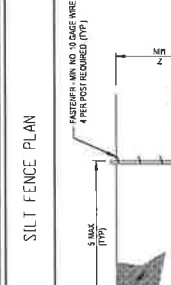
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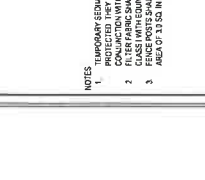
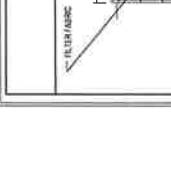
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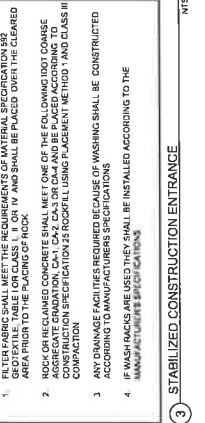
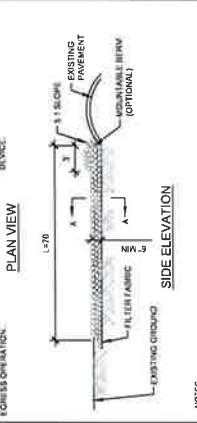
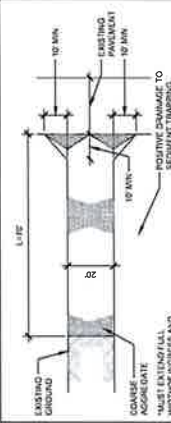
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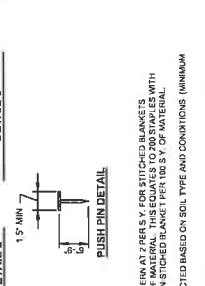
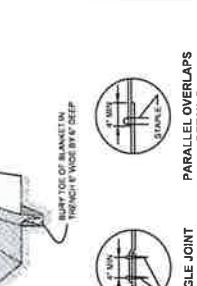
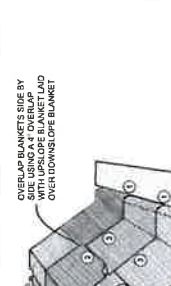
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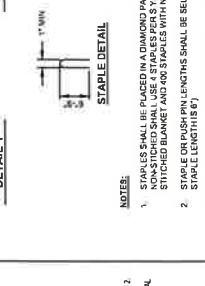
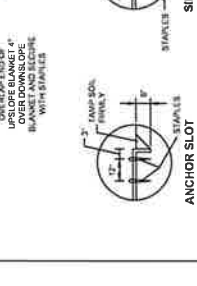
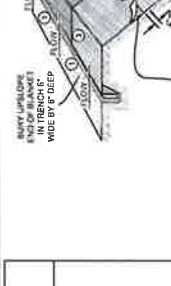
7 PIPE OUTLET PROTECTION



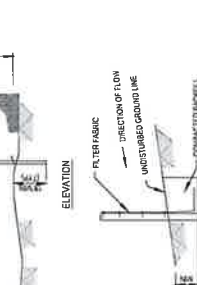
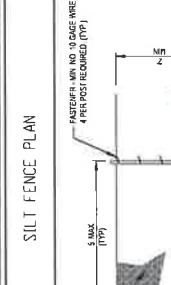
8 DETAILS



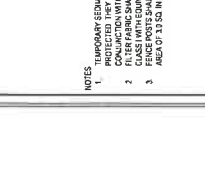
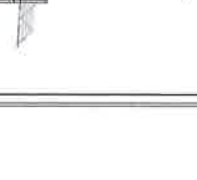
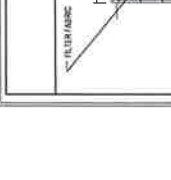
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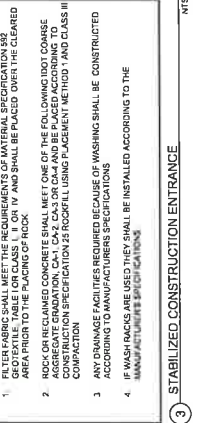
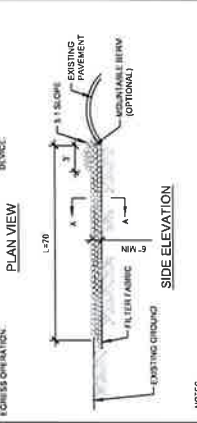
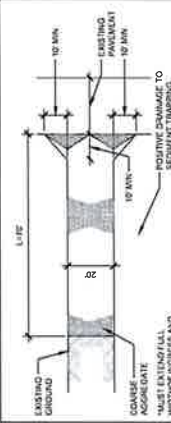
10 DETAILS



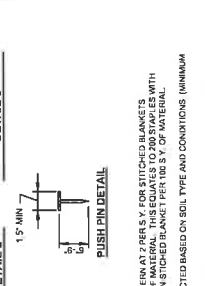
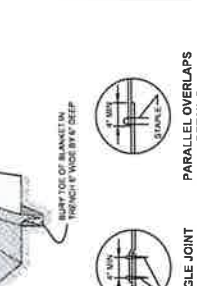
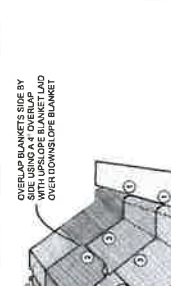
11 DETAILS



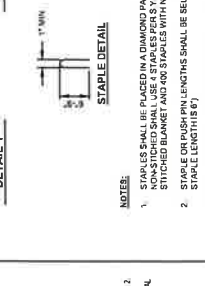
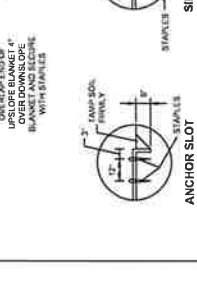
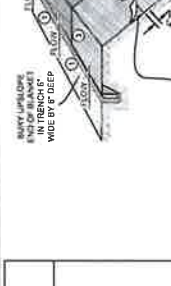
12 DETAILS



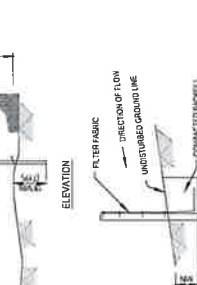
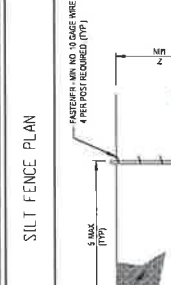
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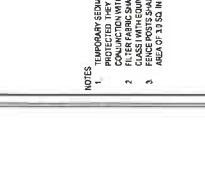
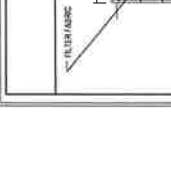
14 DETAILS



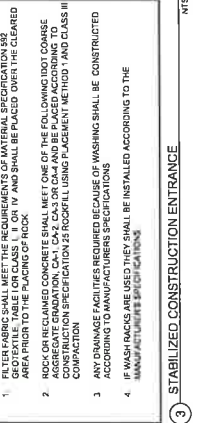
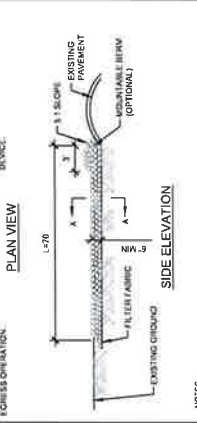
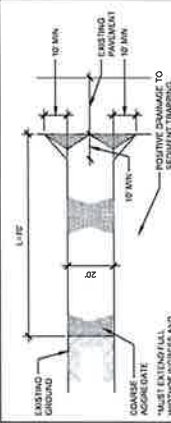
15 DETAILS



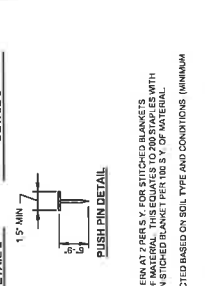
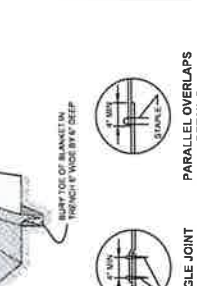
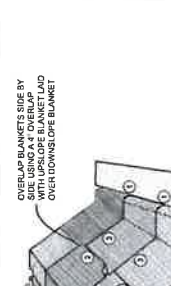
16 DETAILS



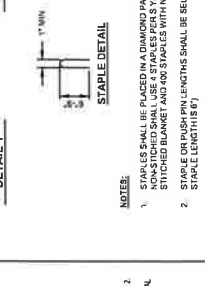
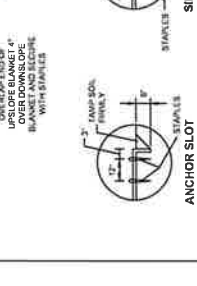
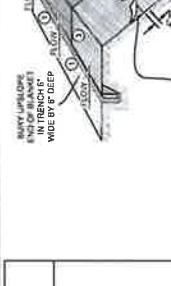
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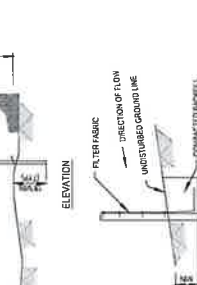
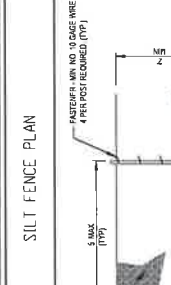
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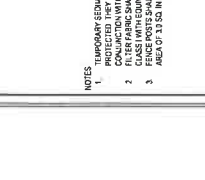
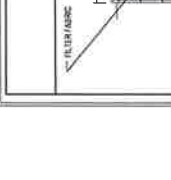
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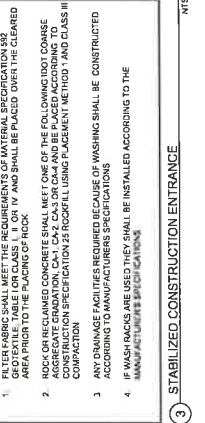
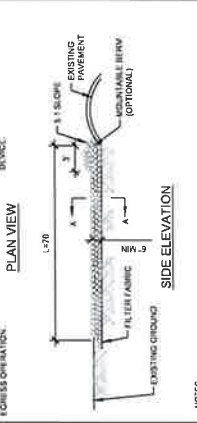
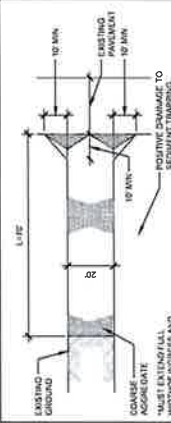
20 DETAILS



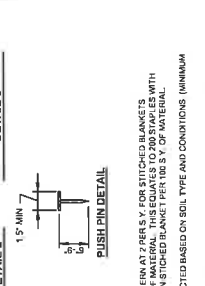
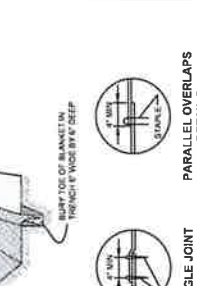
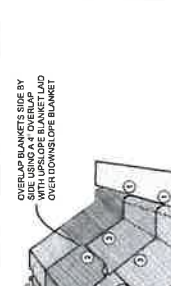
21 DETAILS



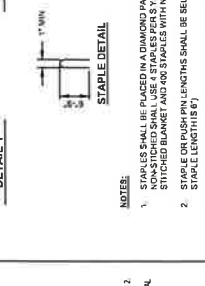
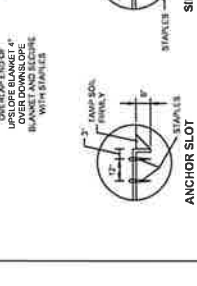
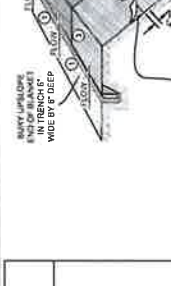
22 DETAILS



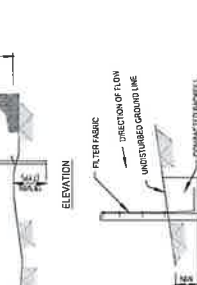
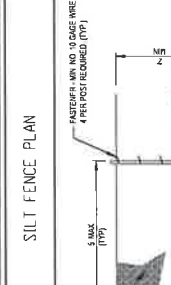
23 DETAILS



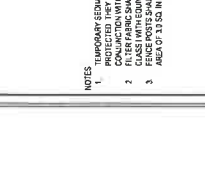
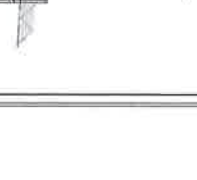
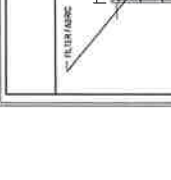
24 DETAILS



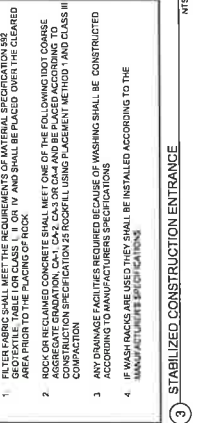
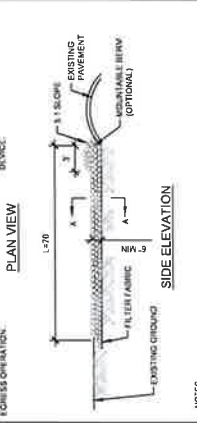
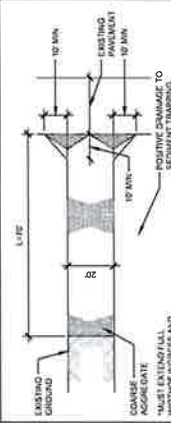
25 DETAILS



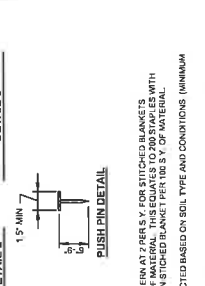
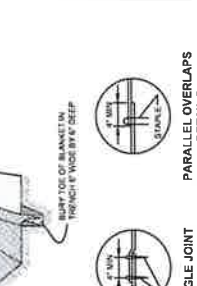
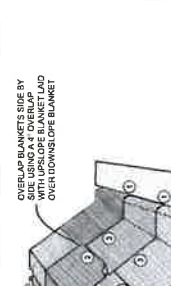
26 DETAILS



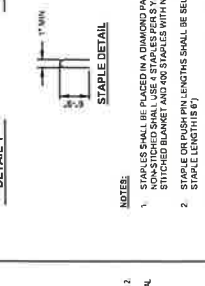
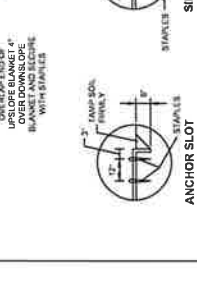
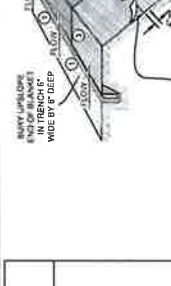
27 DETAILS



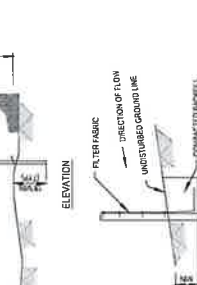
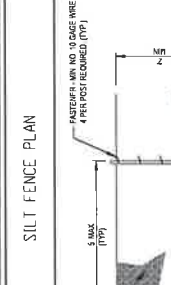
28 DETAILS



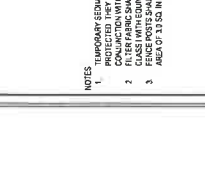
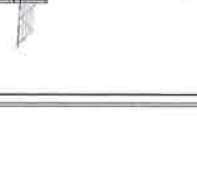
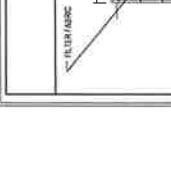
29 DETAILS



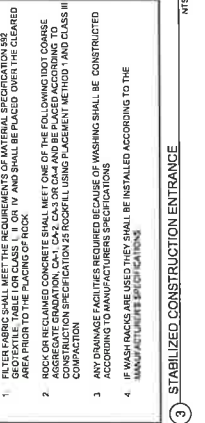
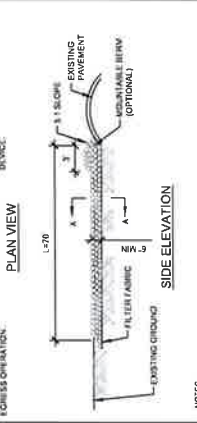
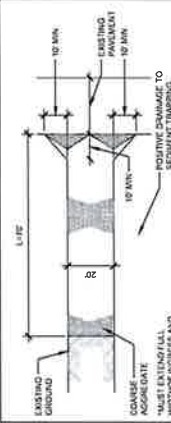
30 DETAILS



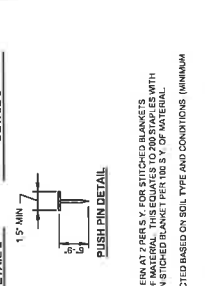
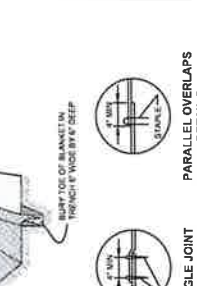
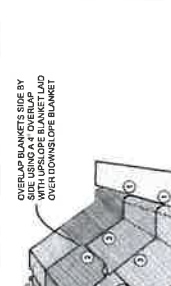
31 DETAILS



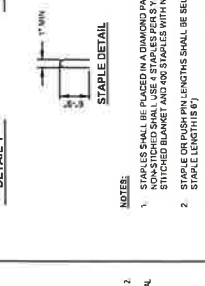
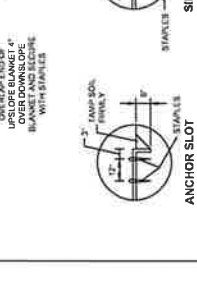
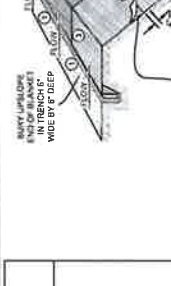
32 DETAILS



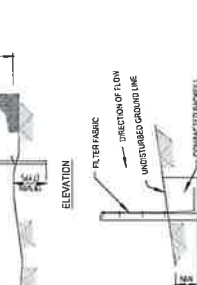
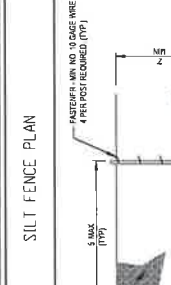
33 DETAILS



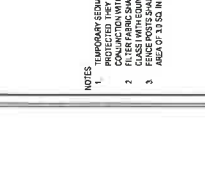
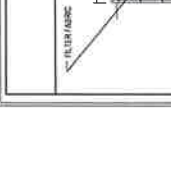
34 DETAILS



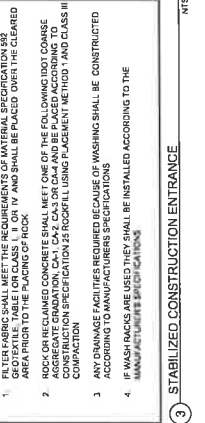
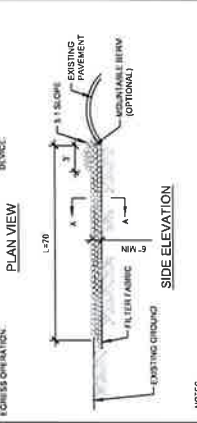
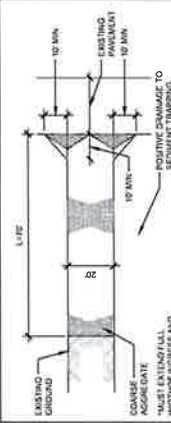
35 DETAILS



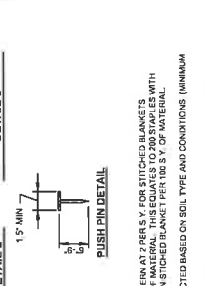
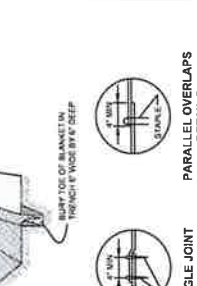
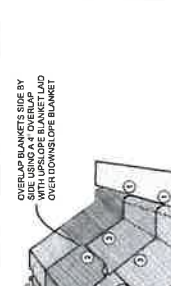
36 DETAILS



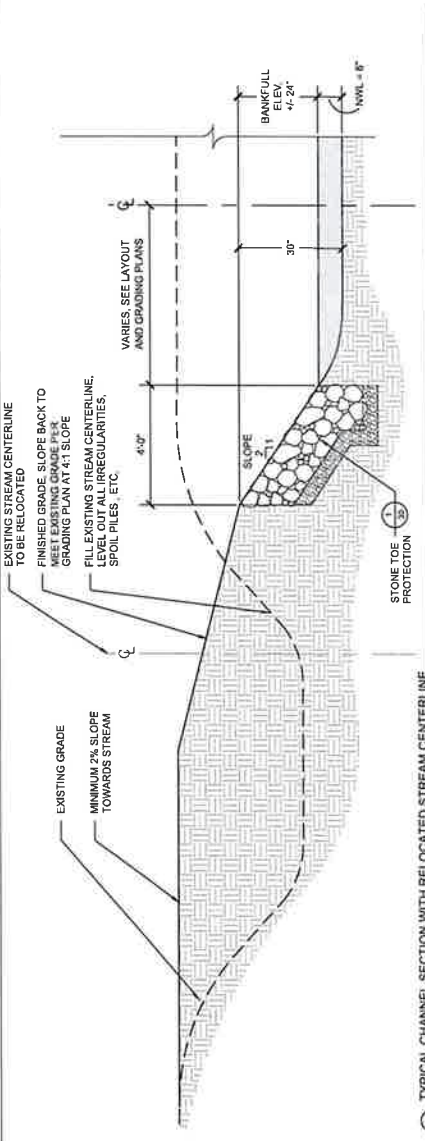
37 DETAILS



38 DETAILS

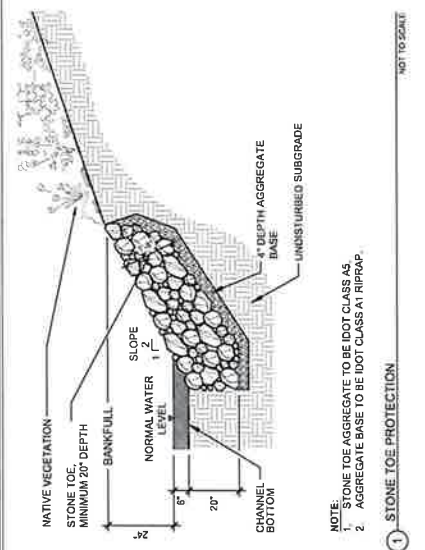


Sheet No.	41
Project No.	2017-001
Project Name	Apple Canyon Land Property Owners Association
Client	Apple Canyon Land Property Owners Association
Scale	AS SHOWN
Author	
Checker	
Designer	
Engineer	
Contractor	
City	
County	
State	
Date	

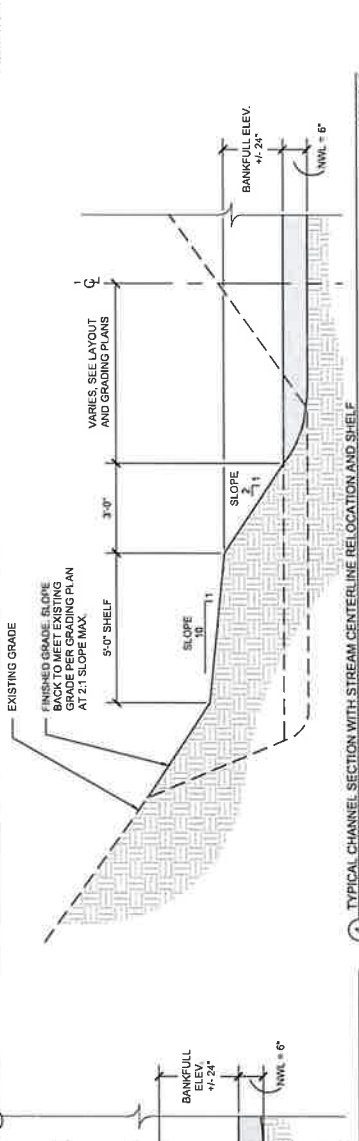


NOTE:
 1. STONE TOE AGGREGATE TO BE IDOT CLASS A5
 2. AGGREGATE BASE TO BE IDOT CLASS AT RIPRAP.

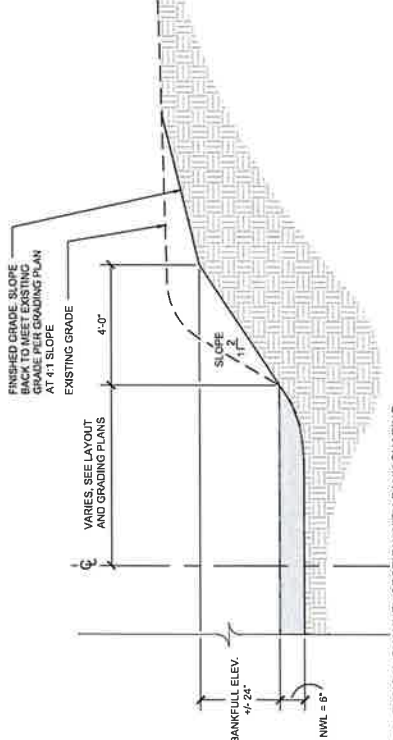
1 STONE TOE PROTECTION NOT TO SCALE



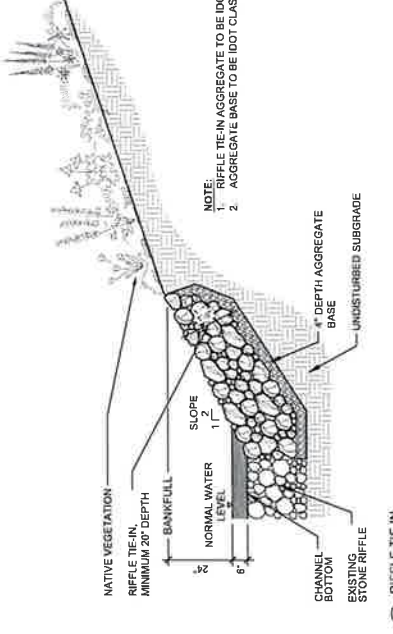
2 TYPICAL CHANNEL SECTION WITH RELOCATED STREAM CENTERLINE NOT TO SCALE



3 TYPICAL CHANNEL SECTION WITH STONE TOE PROTECTION NOT TO SCALE



4 TYPICAL CHANNEL SECTION WITH STREAM CENTERLINE RELOCATION AND SHELF NOT TO SCALE



5 TYPICAL CHANNEL SECTION WITH BANK SHAPING NOT TO SCALE

NOTE:
 1. RIFFLE TIE-IN AGGREGATE TO BE IDOT CLASS A5
 2. AGGREGATE BASE TO BE IDOT CLASS AT RIPRAP.

6 RIFFLE TIE-IN NOT TO SCALE

Capital Projects Update