



R.087575.005 KÉL,SET (Reay) Creek Pond Remediation Project

Virtual Bidder's Meeting

June 2, 2020



Transport
Canada

Transports
Canada

Canada

KEL,SET (Reay) Creek Pond Remediation Project

Introductions & Acknowledgments

Canada



Transport
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Transports
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Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada



Meeting Purpose & Instructions

Meeting Methods

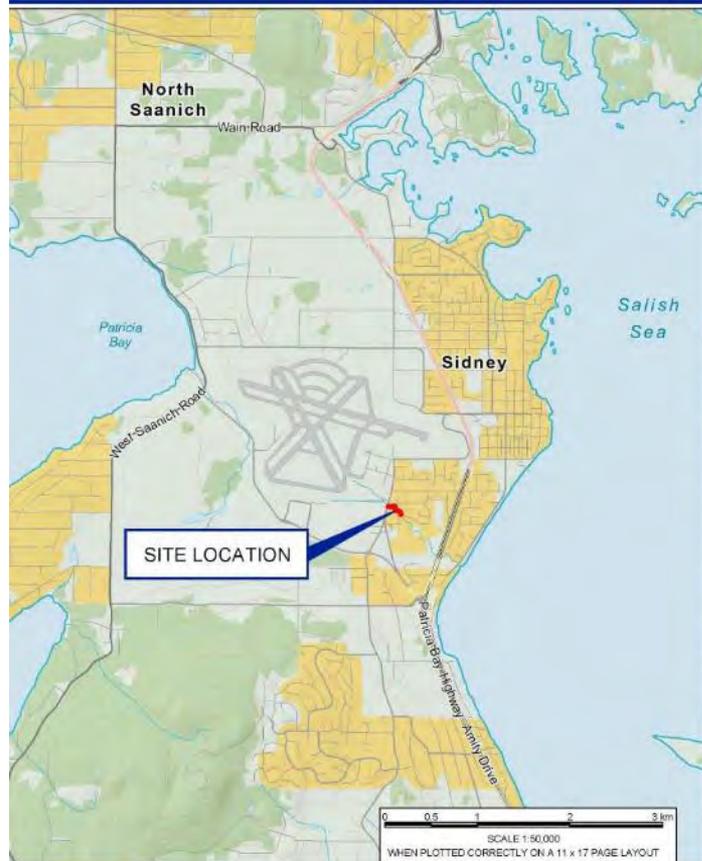
KEL,SET (Reay) Creek Pond

VIRTUAL BIDDER MEETING AGENDA

- Identify select key project aspects
 - General Contract Items
 - Contractor Requirements
- Virtual 'walk through' of the Site
- Highlight current conditions
- Provide information on the following:
 - Pond area
 - Dam area
 - Downstream diversion discharge area
 - Laydown areas
 - Potential access points
 - Upstream channel and diversion points
 - Detention pond area and other diversion infrastructure
 - Stockpile management area and access/egress points

KEL,SET (Reay) Creek Pond

Project Location



KEL,SET (Reay) Creek Pond



ÍEL,SET (Reay) Creek Pond



ÍEL,SET (Reay) Creek Pond



ÍEL,SET (Reay) Creek Pond





Laydown & Access Areas

CONSTRUCTION LIMIT AT CENTERLINE OF WESTBROOK DR FROM NORTHBROOK DR TO PARK ACCESS TRAIL. ONE WAY TRAFFIC TO BE ESTABLISHED ON WESTBROOK DR. TRAFFIC MANAGEMENT TO BE PROVIDED BY CONTRACTOR IN ACCORDANCE WITH TRAFFIC MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE.

CONTRACTOR TO MAINTAIN ACCESS TO DAM FOR TOWN OF SIDNEY AND DEPARTMENTAL REPRESENTATIVES

PUBLIC ACCESS TO PARK TRAIL TO BE MAINTAINED

EQUIPMENT ACCESS TO DAM CREST AND DOWNSTREAM SLOPE OF DAM PROHIBITED

ACCESS TO SPILLWAY AND LOW LEVEL OUTLET FOR WATER MANAGEMENT PURPOSES ONLY IN ACCORDANCE WITH APPROVED WATER MANAGEMENT PLAN

LOW LEVEL OUTLET VALVE MAY ONLY BE OPERATED BY TOWN OF SIDNEY STAFF

ACCESS TO DOWNSTREAM OF DAM ONLY FOR WATER MANAGEMENT IN ACCORDANCE WITH WATER MANAGEMENT PLAN APPROVED BY DEPARTMENTAL REPRESENTATIVE. DISCHARGE POINT MUST BE NO CLOSER THAN 15 m FROM DOWNSTREAM TOE OF DAM

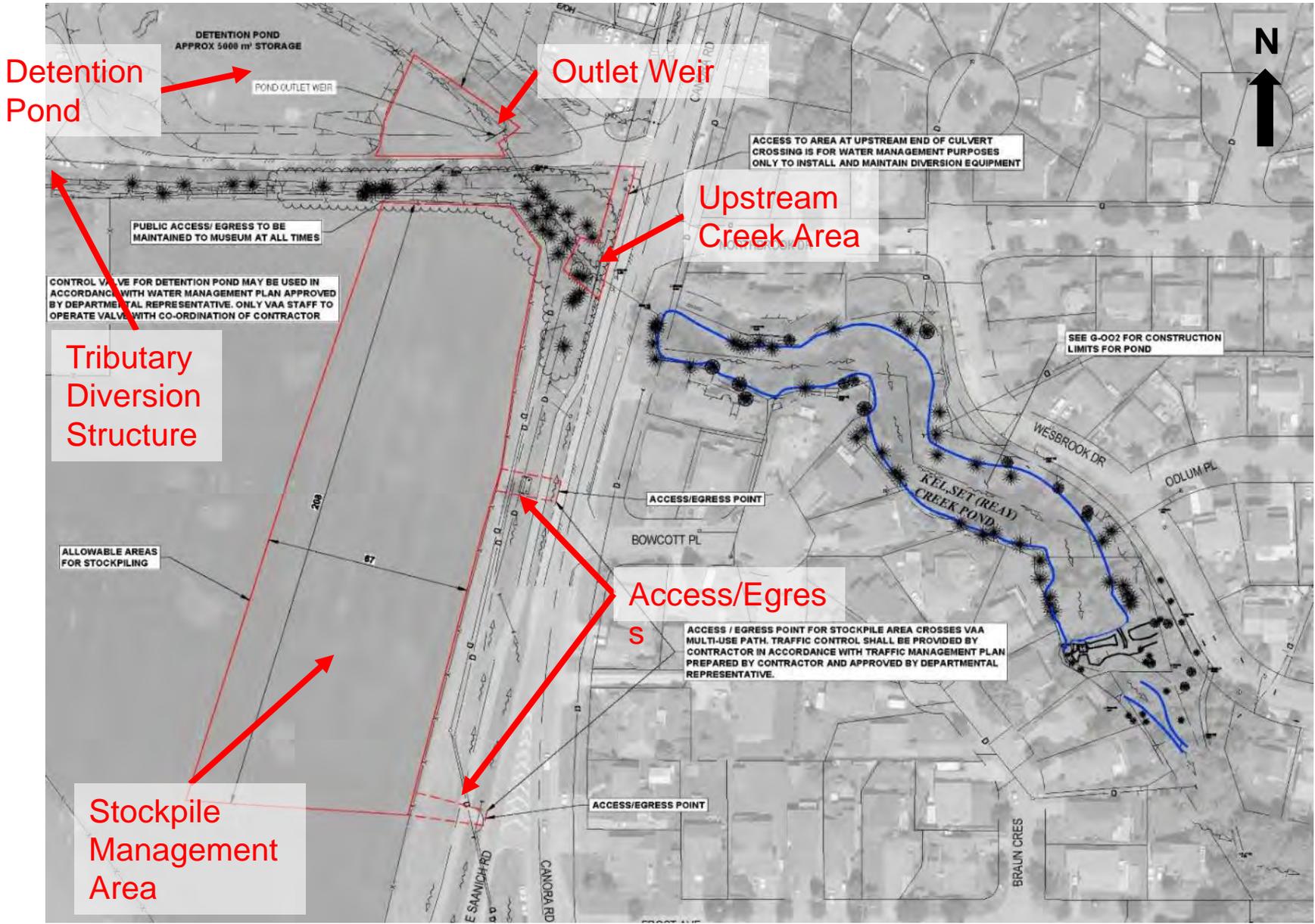
Private Properties

Dam & Spillway

Downstream Creek Areas

TEMPORARY ACCESS FROM CANORA ROAD MAY BE ALLOWED IN ACCORDANCE WITH THE TRAFFIC MANAGEMENT PLAN PREPARED BY CONTRACTOR AND APPROVED BY DEPARTMENTAL REPRESENTATIVE





SEQUENCE



FINISH

Laydown Areas & Potential Access Points

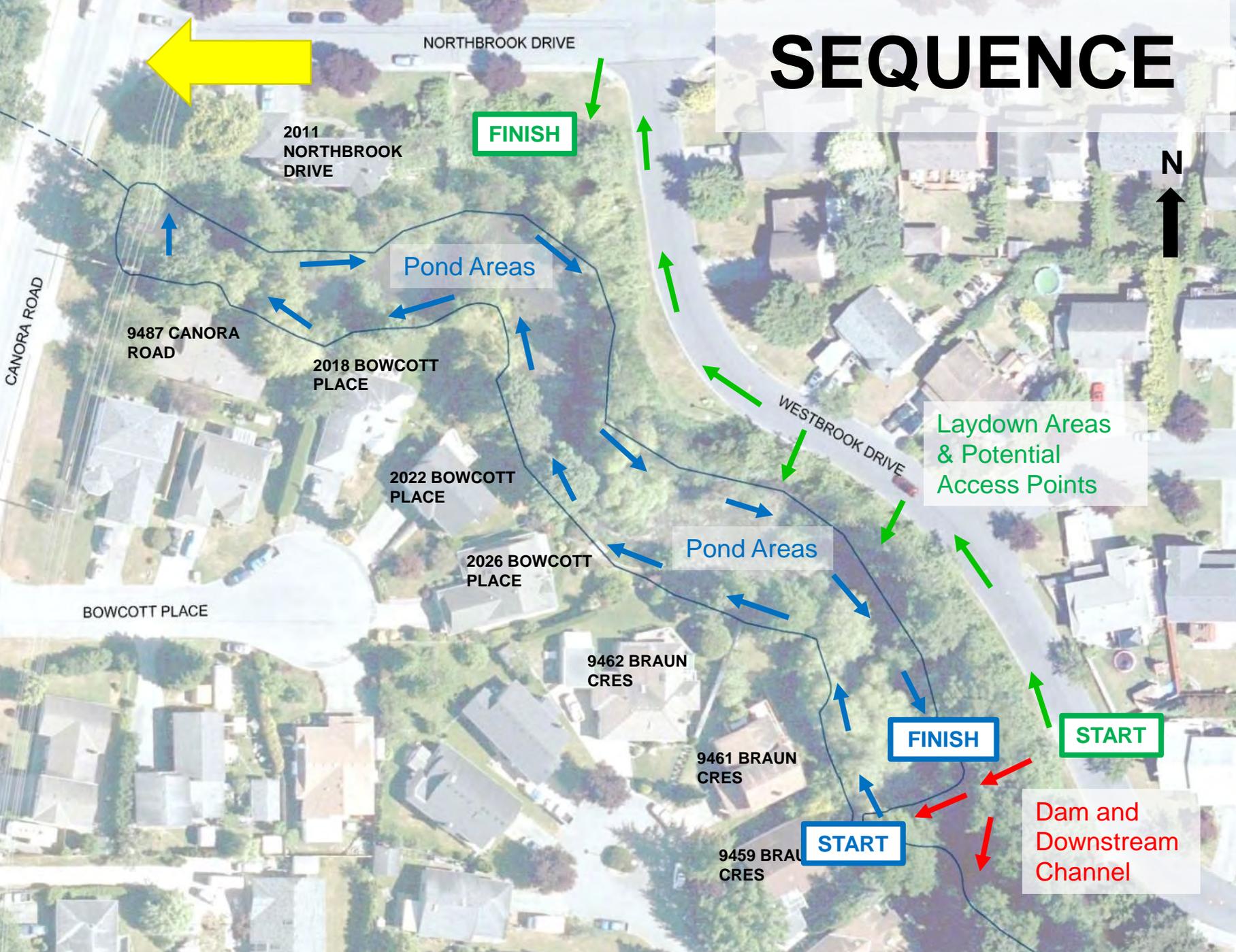
Pond Areas

FINISH

START

Dam and Downstream Channel

START



NORTHBROOK DRIVE

2011
NORTHBROOK
DRIVE

Pond Areas

9487 CANORA
ROAD

2018 BOWCOTT
PLACE

2022 BOWCOTT
PLACE

2026 BOWCOTT
PLACE

BOWCOTT PLACE

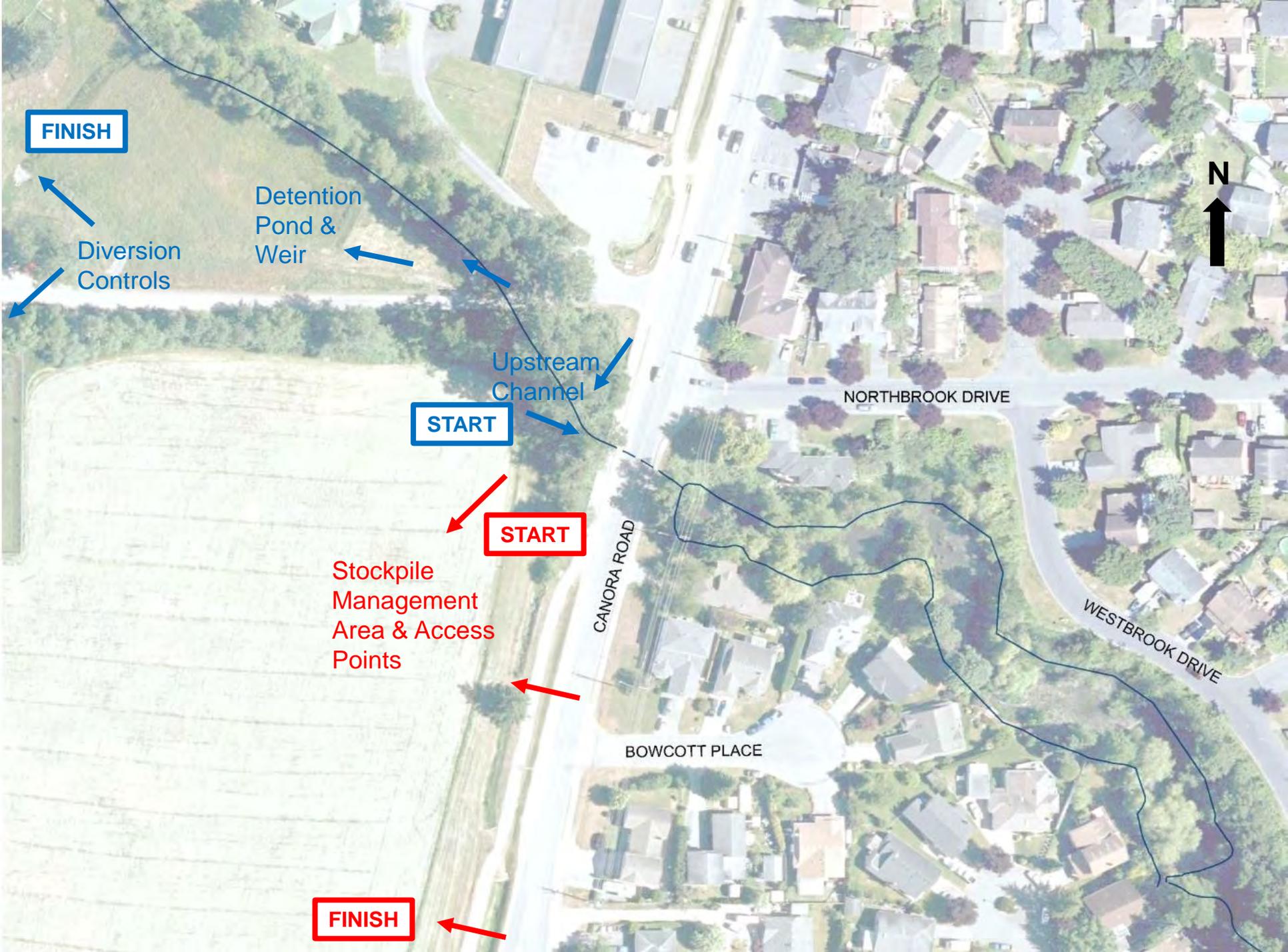
9462 BRAUN
CRES

9461 BRAUN
CRES

9459 BRAUN
CRES

WESTBROOK DRIVE

CANORA ROAD



FINISH

Diversion Controls

Detention Pond & Weir

START

Upstream Channel

START

Stockpile Management Area & Access Points

FINISH

NORTHBROOK DRIVE

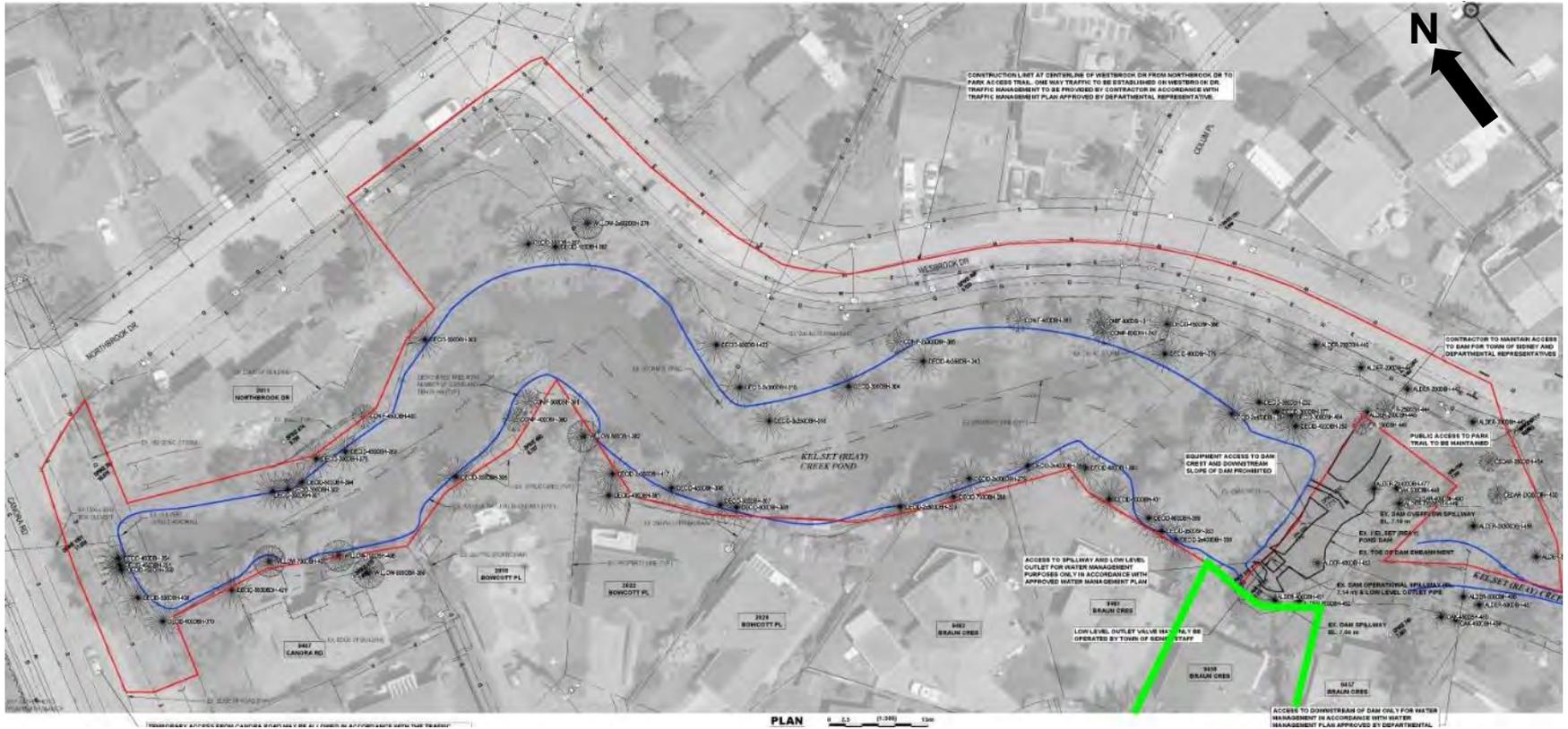
CANORA ROAD

BOWCOTT PLACE

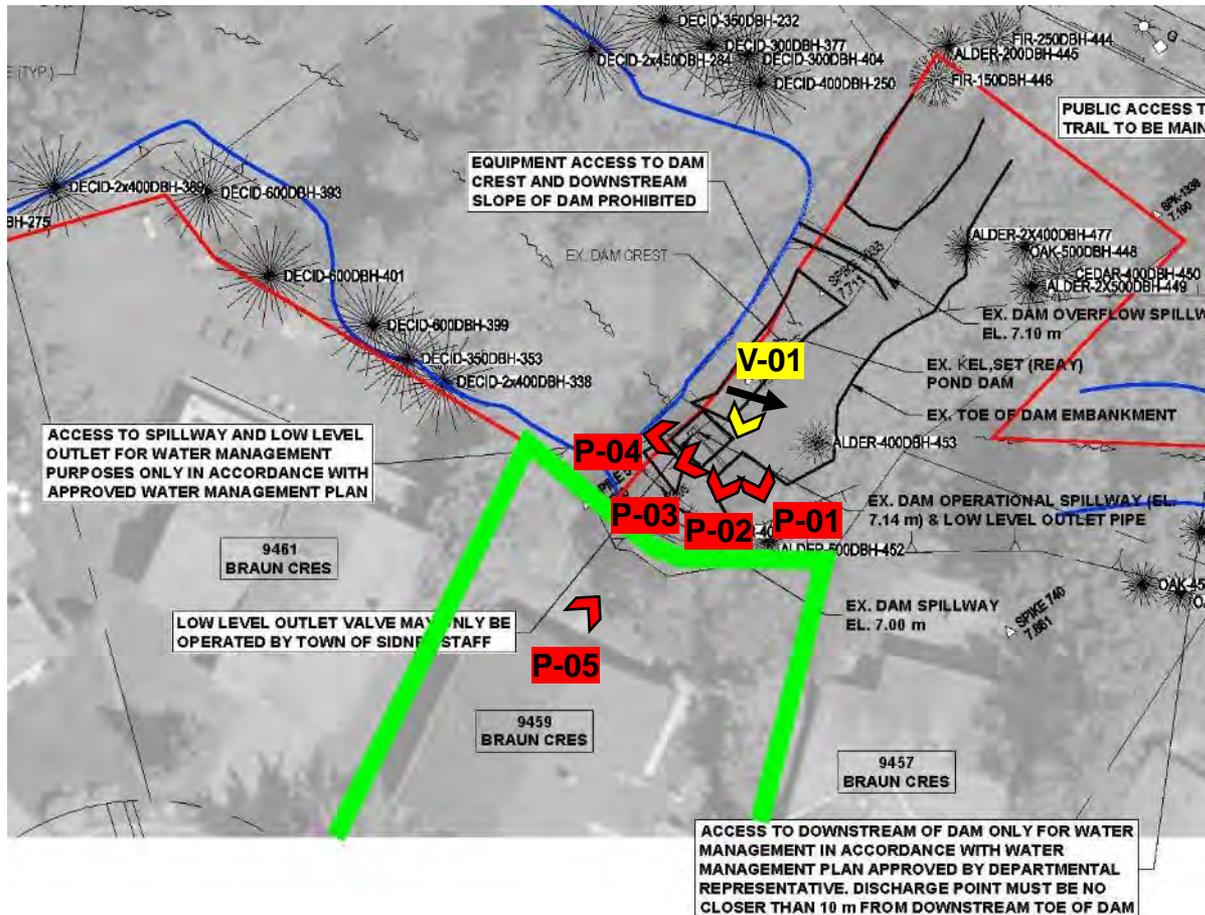
WESTBROOK DRIVE



9459 Braun Cres



9459 Braun Cres – Photo & Video Key



Video Symbol

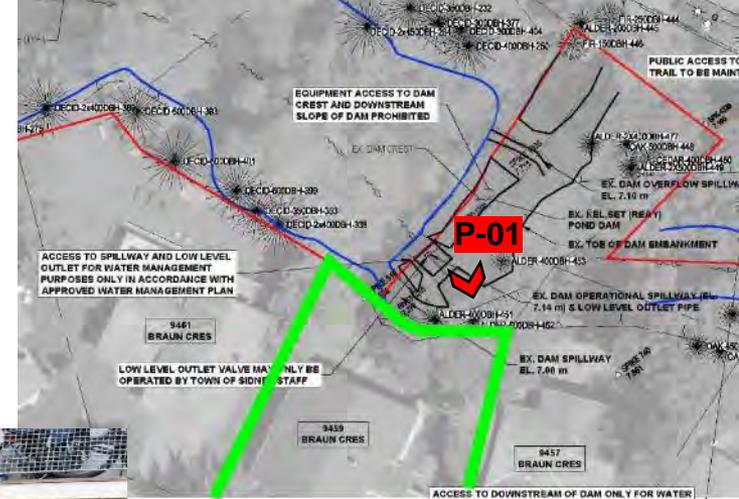
- V-09
- ➔ Direction of video panning

Photo Symbol

- P-89

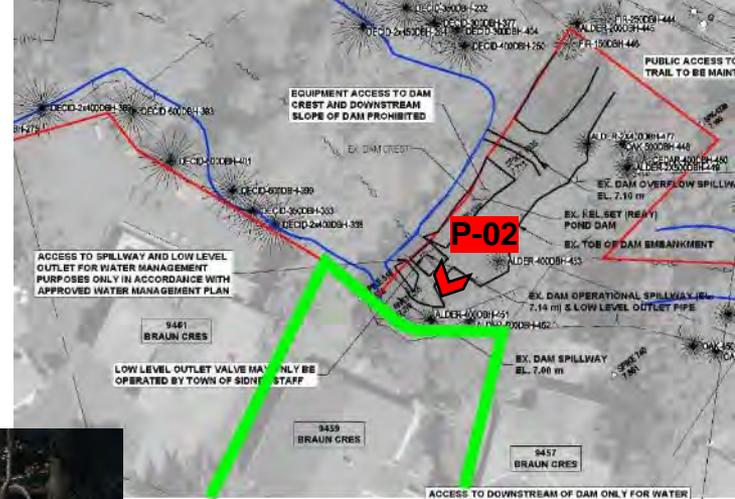
9459 Braun Cres

➔ P-01



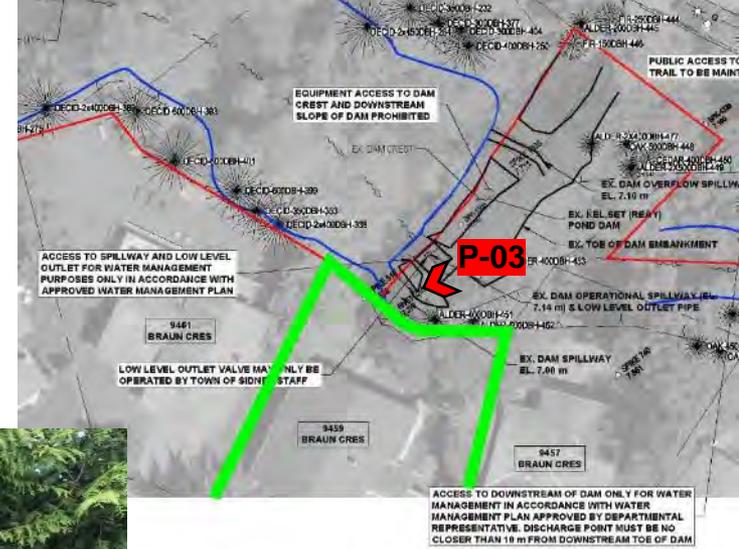
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➔ P-02



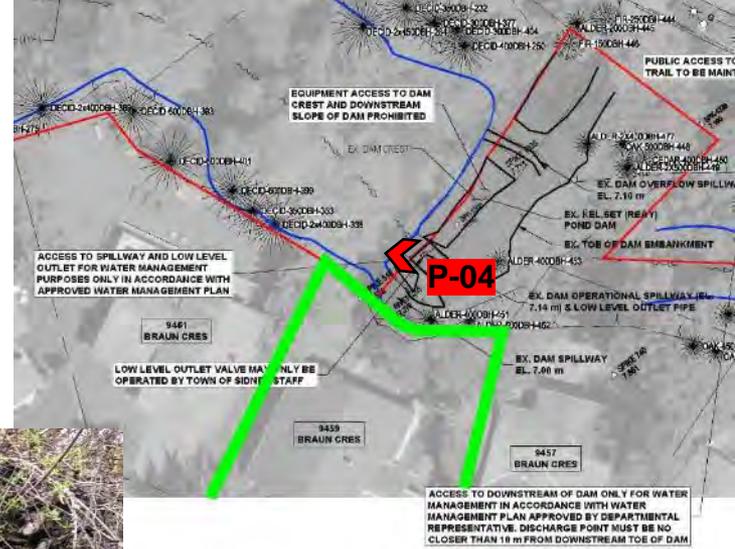
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➔ P-03



9459 Braun Cres

➔ P-04



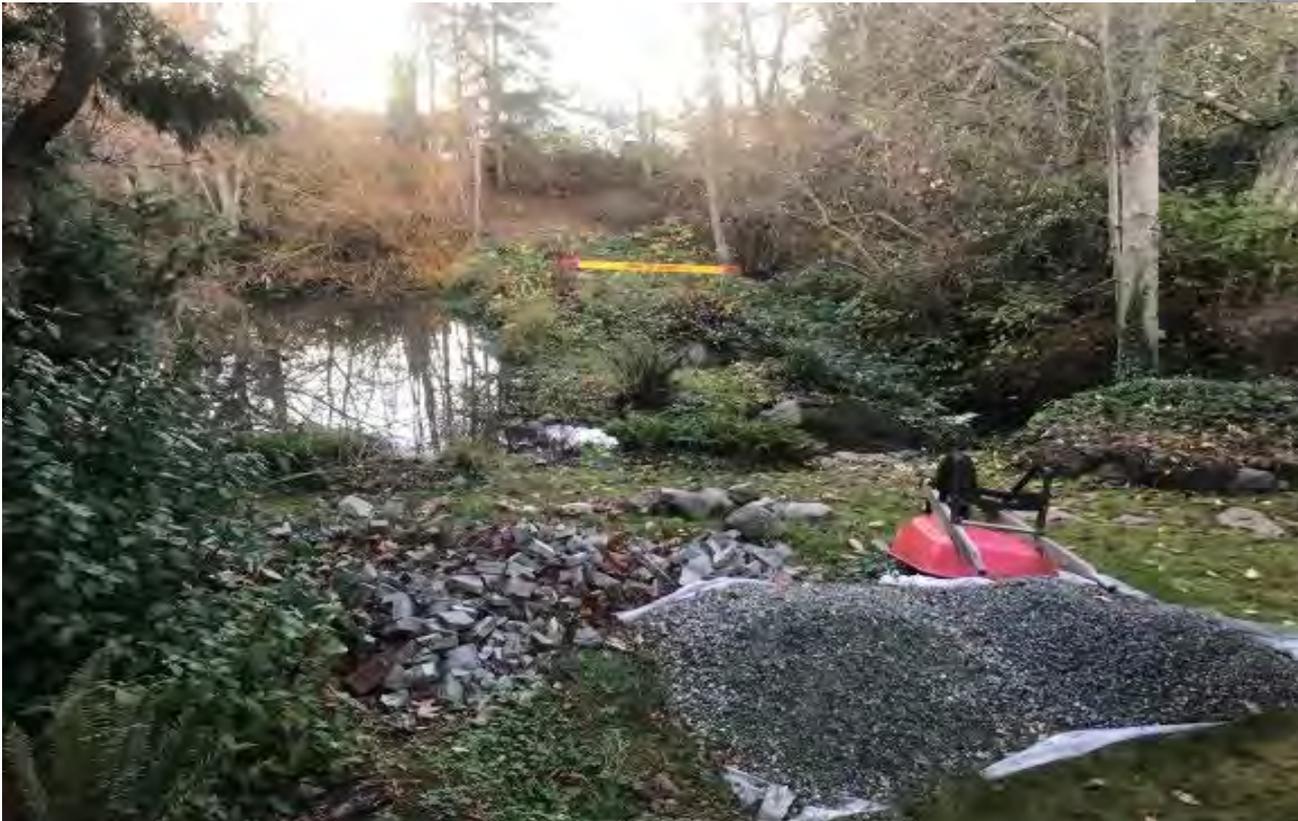
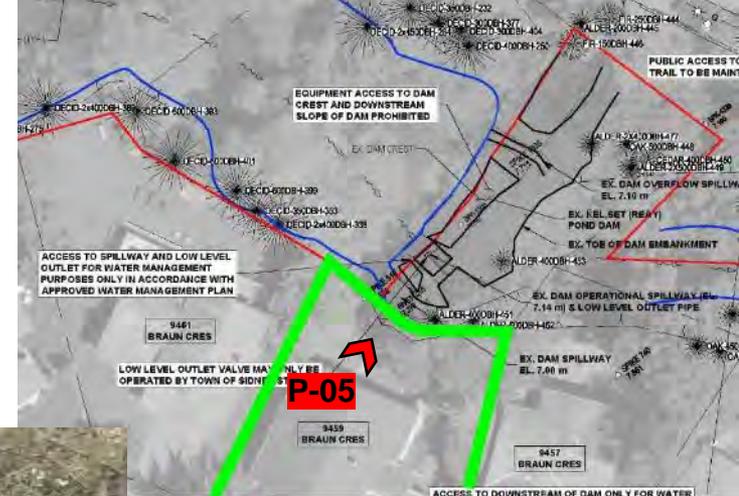
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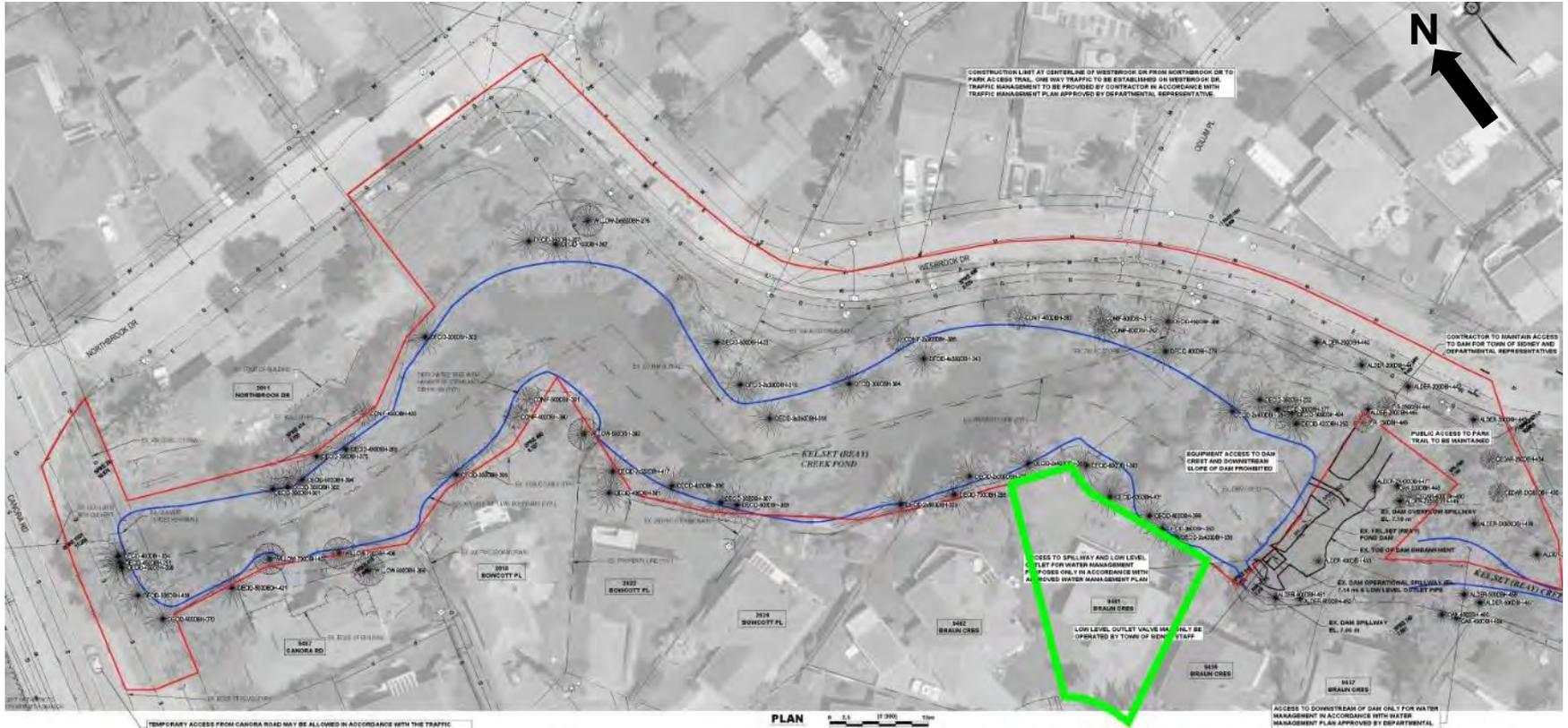


9459 Braun Cres

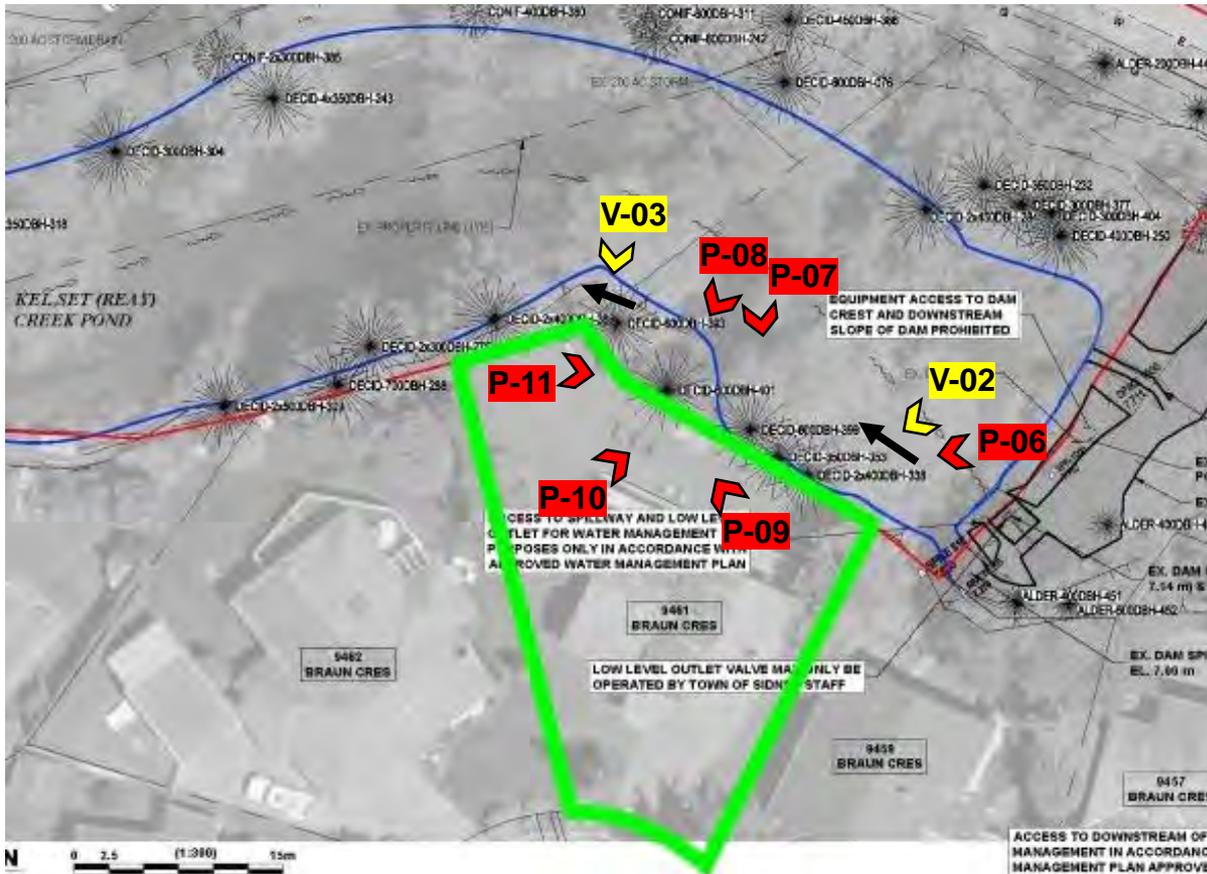
➔ P-05



9461 Braun Cres



9461 Braun Cres – Photo & Video Key



Video
Symbol



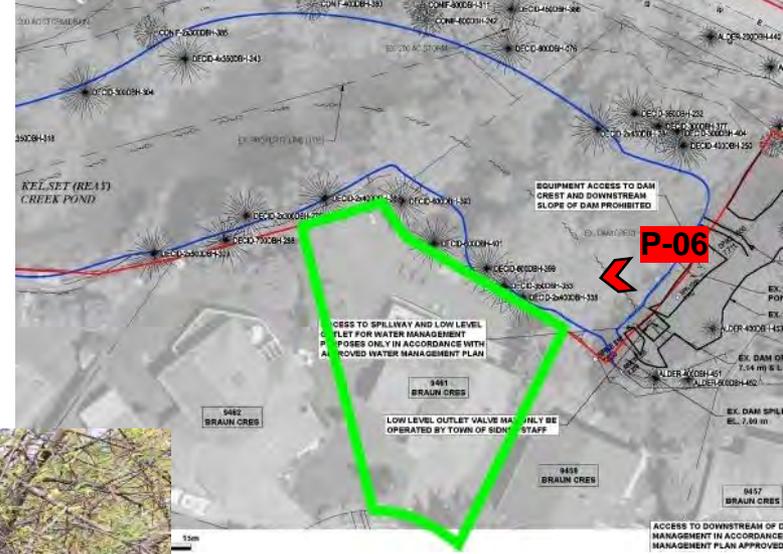
Direction of
video
panning

Photo
Symbol



9461 Braun Cres

➔ P-06



Trees and vegetation overhanging pond (see Annex B for tree retention and removal requirements)

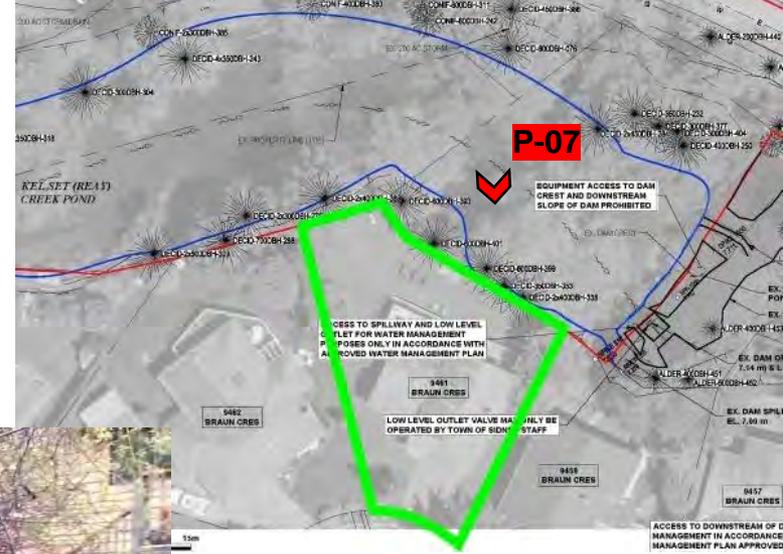
9461 Braun Cres

➤ V-02



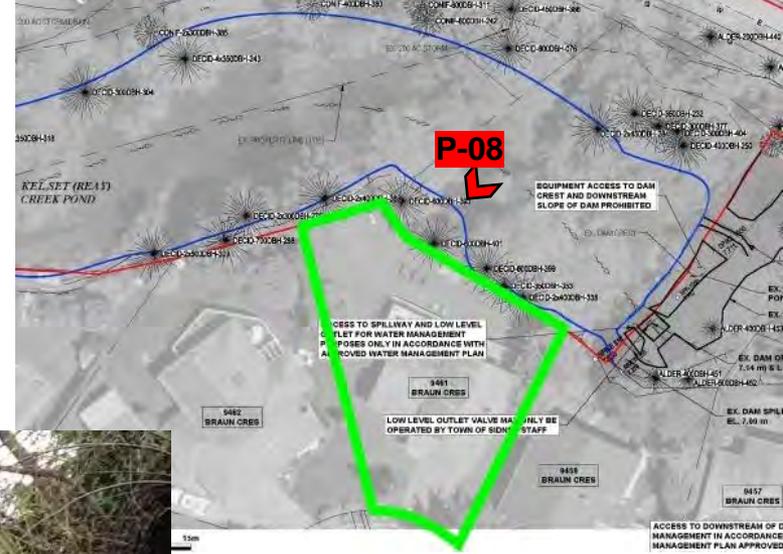
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➔ P-07



9461 Braun Cres

➔ P-08

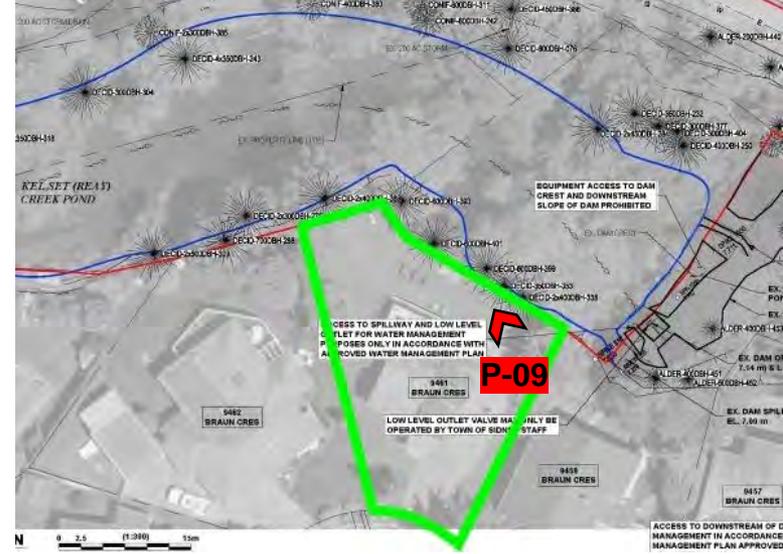


9461 Braun Cres

➤ V-03

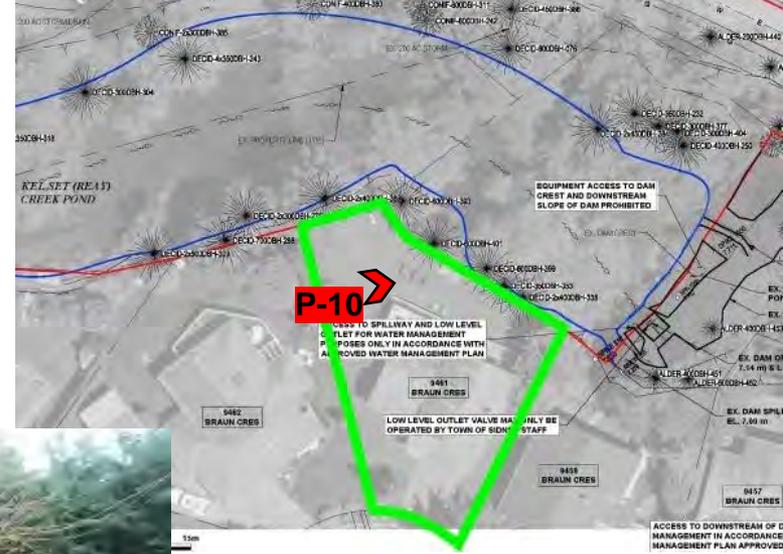


9461 Braun Cres



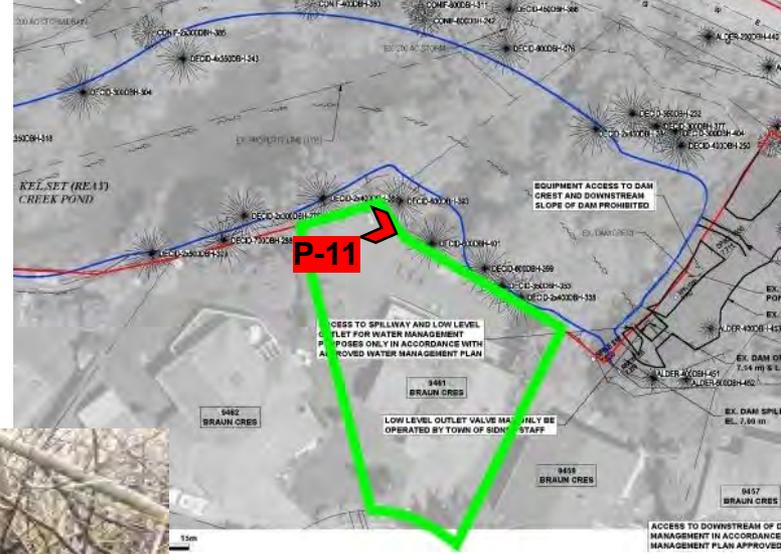
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➔ P-10

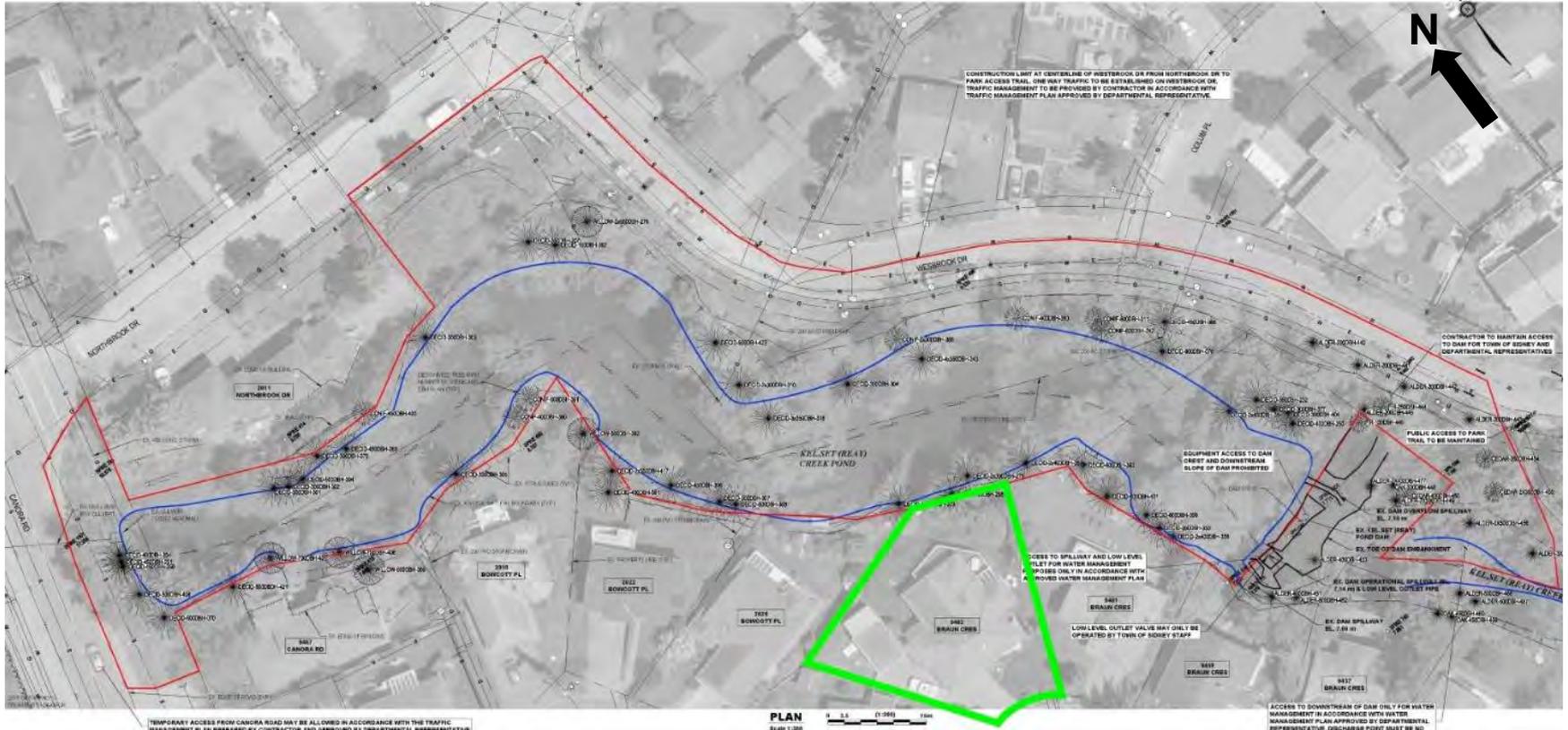


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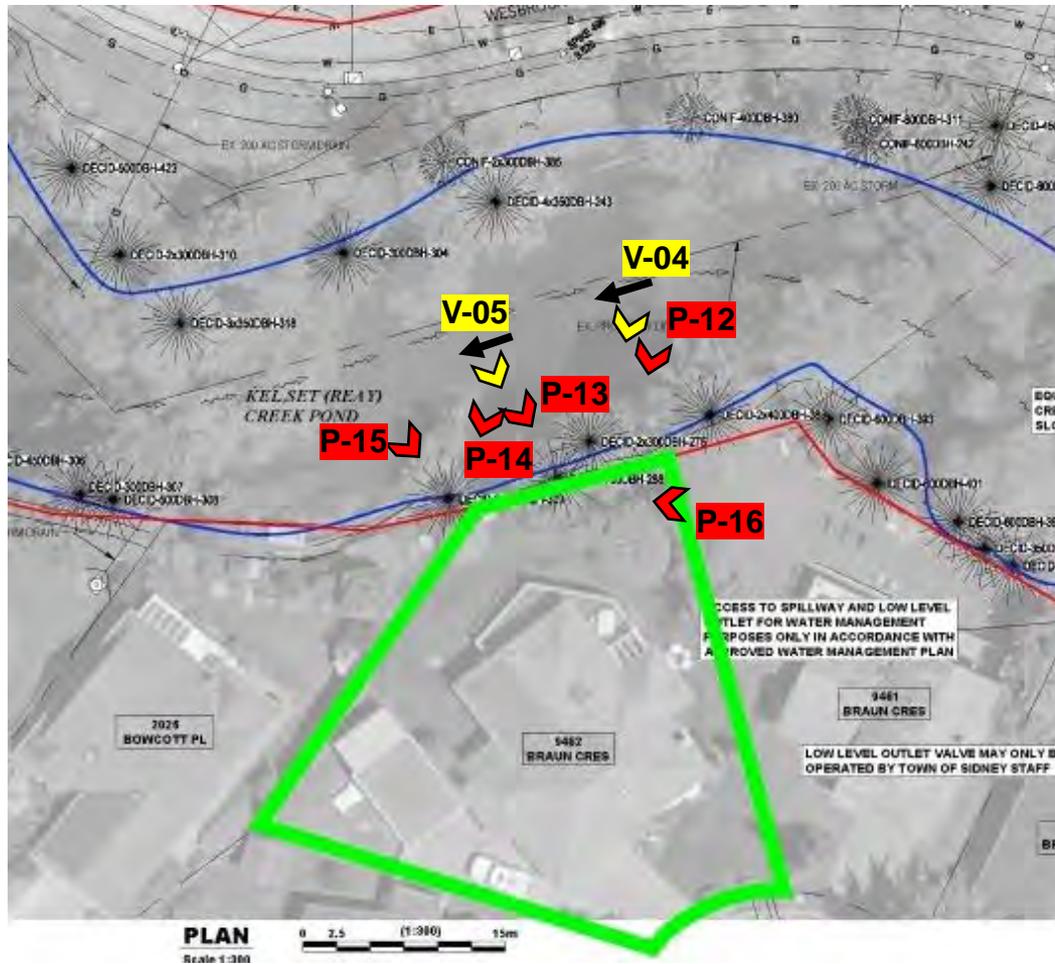
➔ P-11



9462 Braun Cres



9462 Braun Cres – Photo & Video Key



Video
Symbol



Direction of
video
panning

Photo
Symbol



9462 Braun Cres

➔ P-12



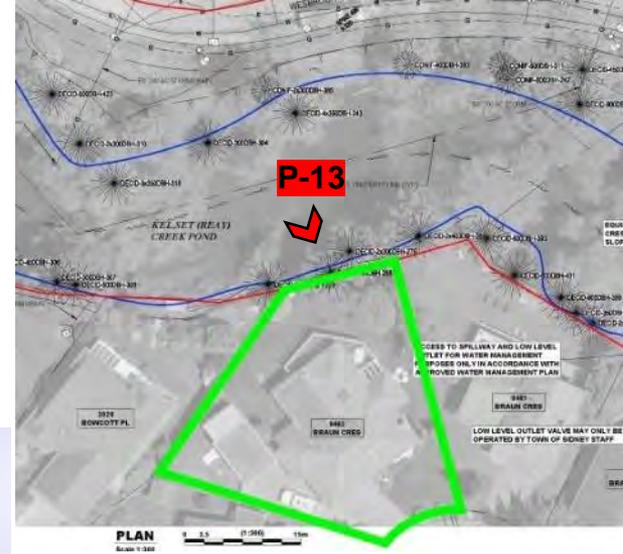
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➤ V-04



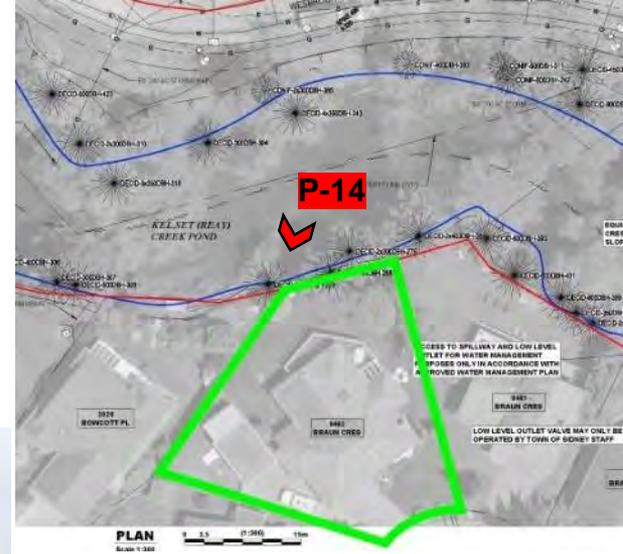
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➔ P-13



9462 Braun Cres

➔ P-14



9462 Braun Cres

➔ P-15



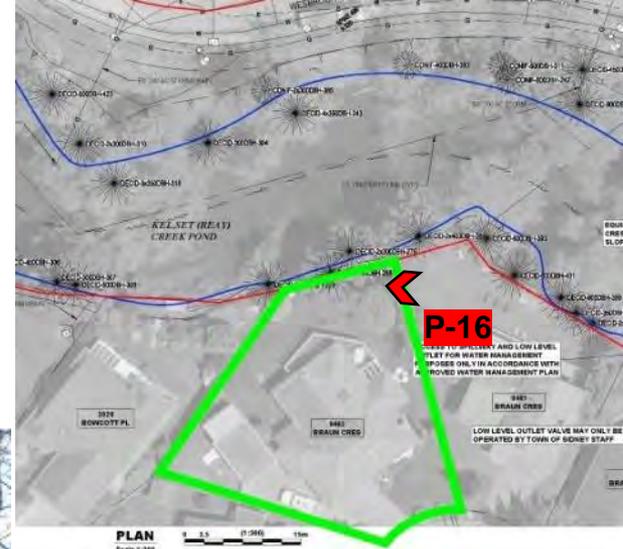
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➤ V-05

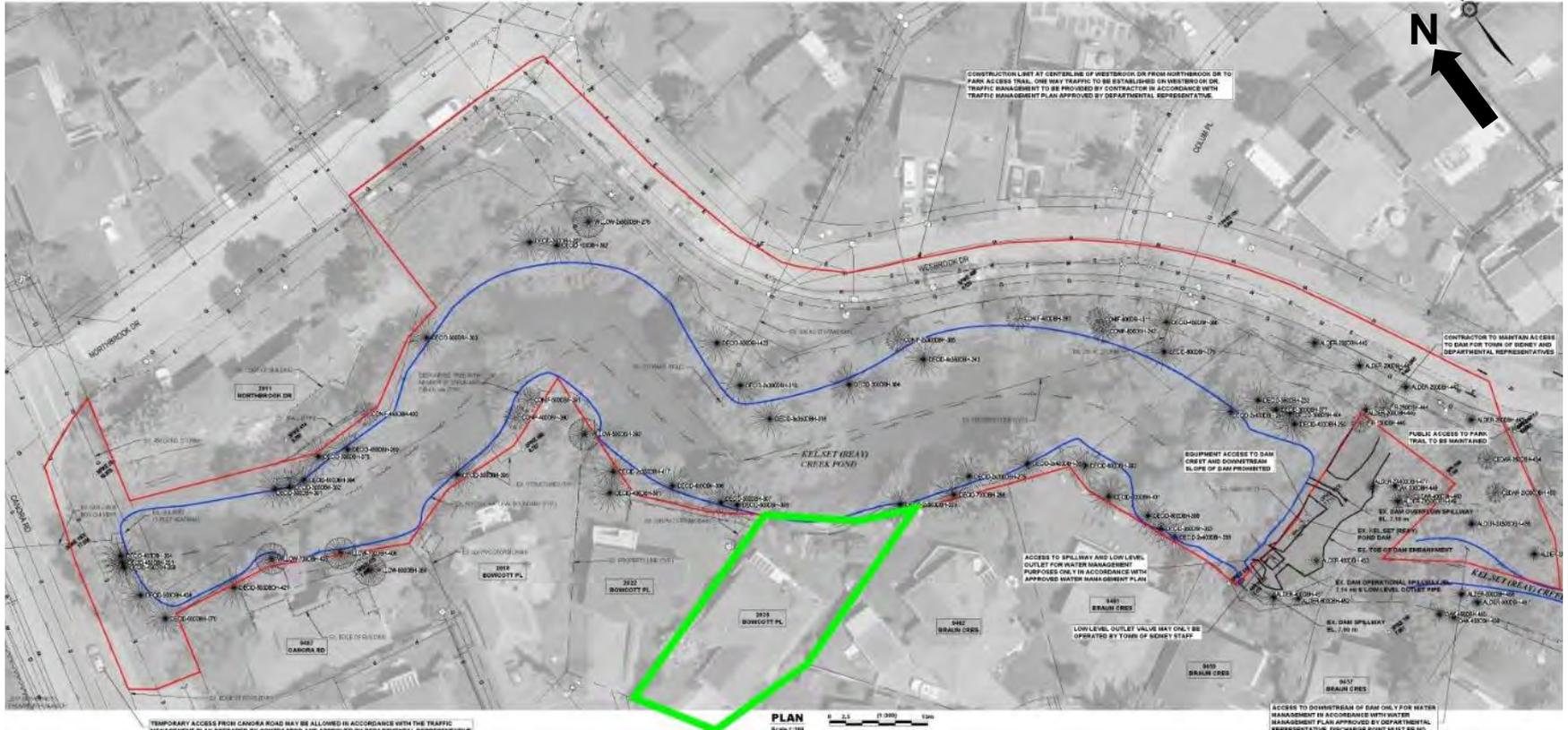


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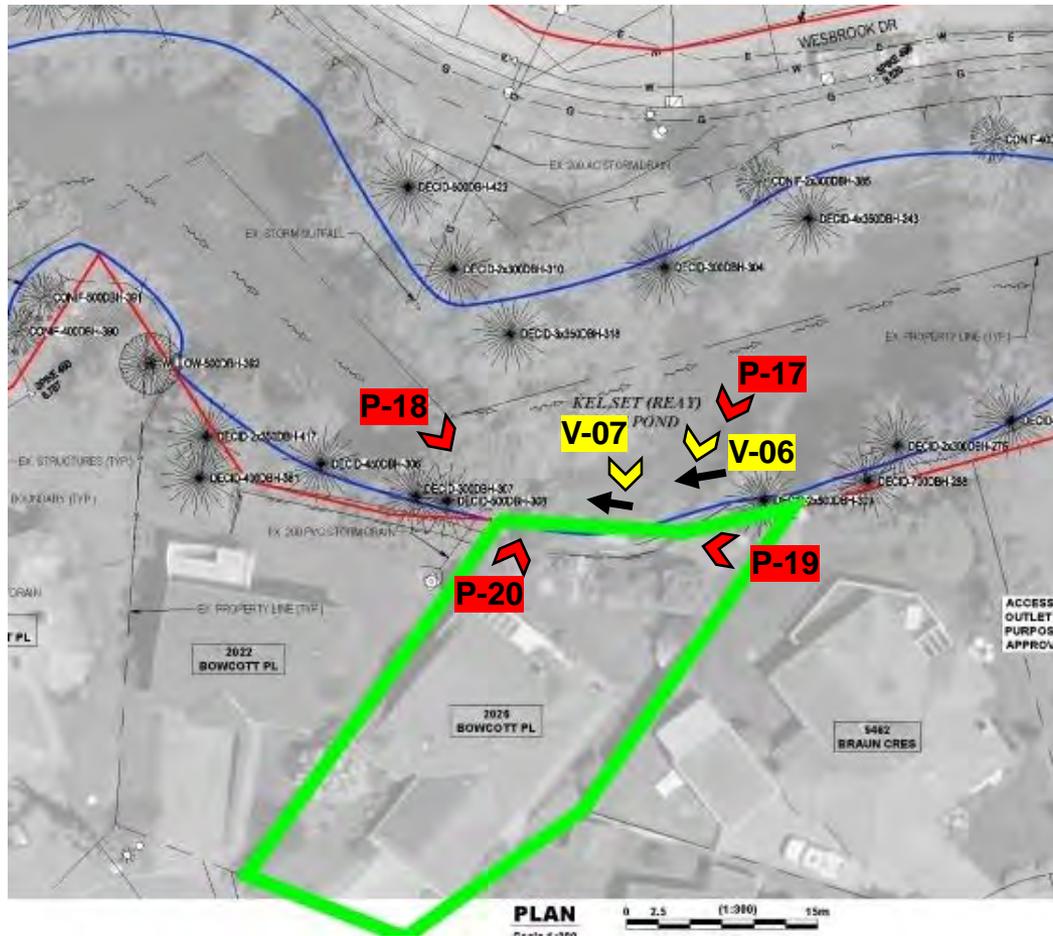
➔ P-16



2026 Bowcott Place



2026 Bowcott Place – Photo & Video Key



Video
Symbol

➤ V-09

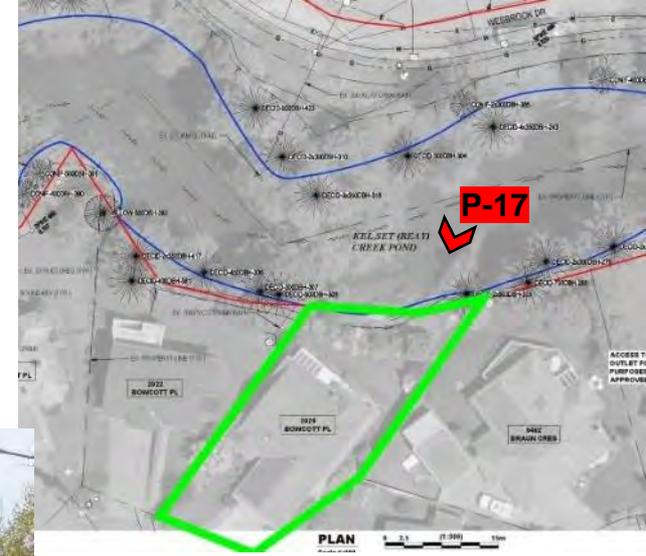
➔ Direction of
video
panning

Photo
Symbol

➤ P-89

2026 Bowcott Place

➔ P-17



2026 Bowcott Place

➤ V-06



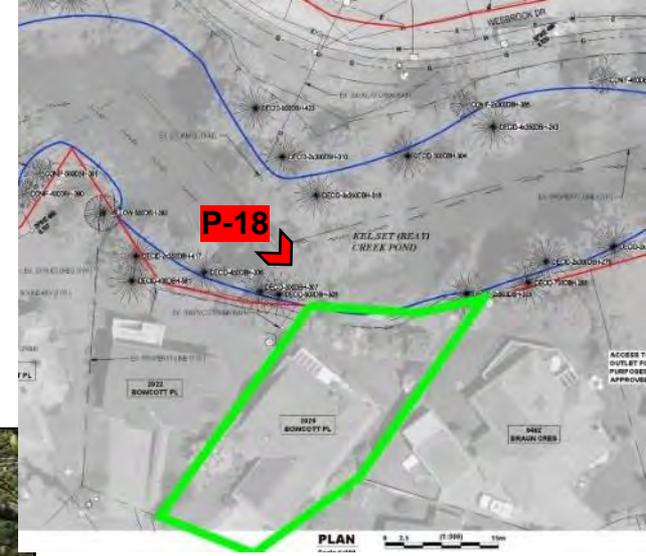
2026 Bowcott Place

➤ V-07

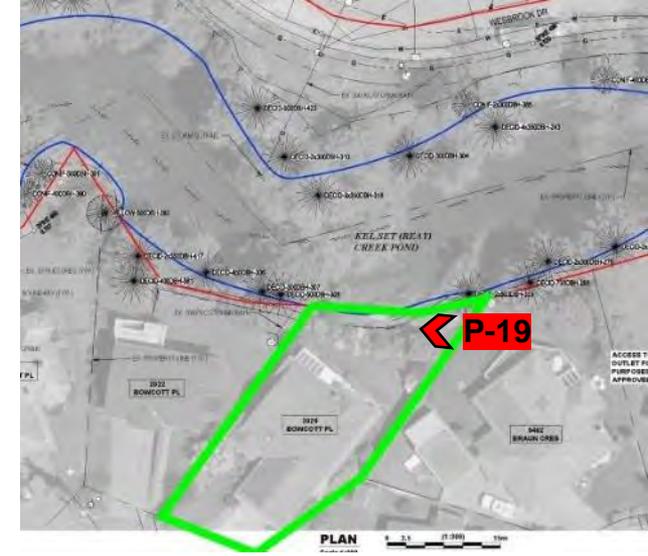


2026 Bowcott Place

➔ P-18



2026 Bowcott Place



Property line survey along edge of pond to be conducted by Contractor for all private residences.

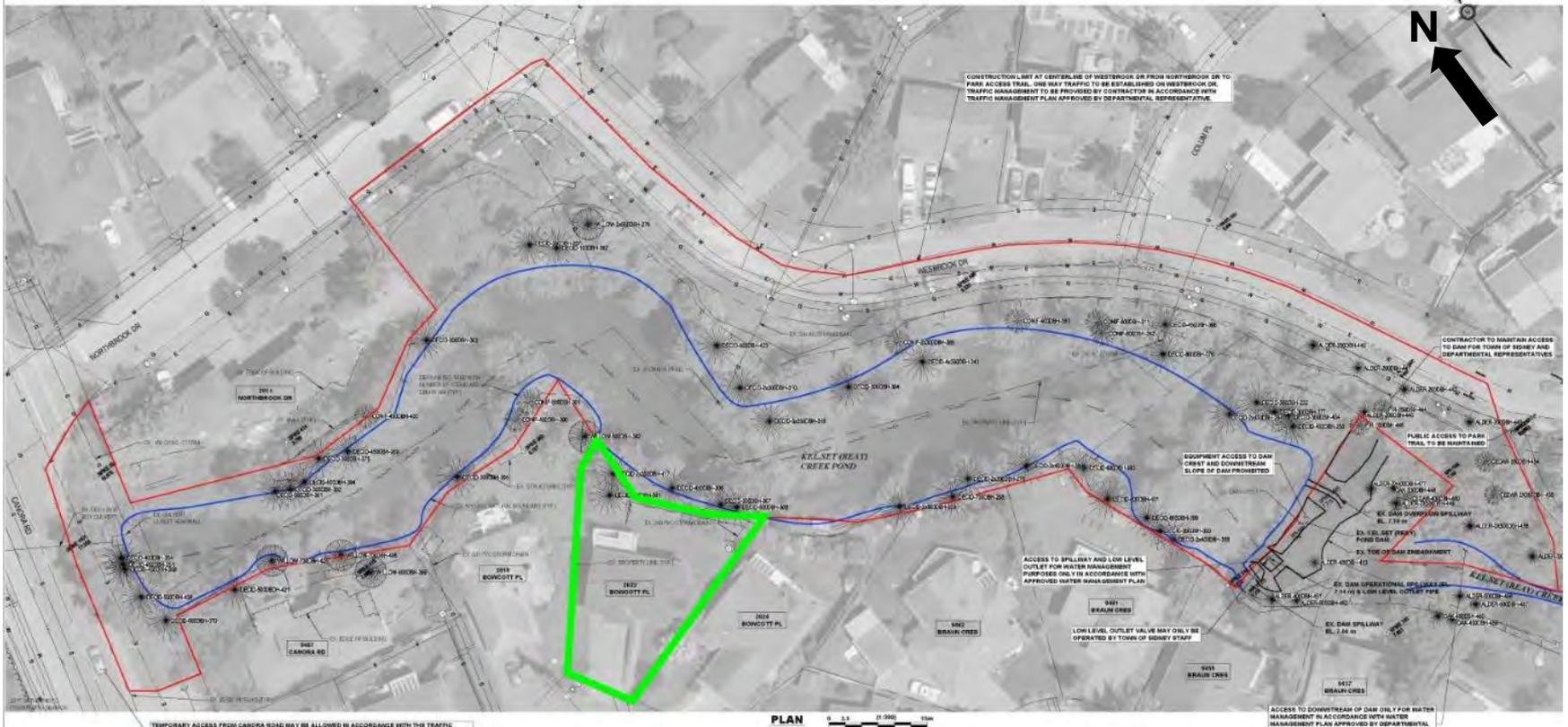
Pond edge extends on to private property beneath deck structure. Pond boundary to be adjusted to match property line during backfilling stage.

2026 Bowcott Place

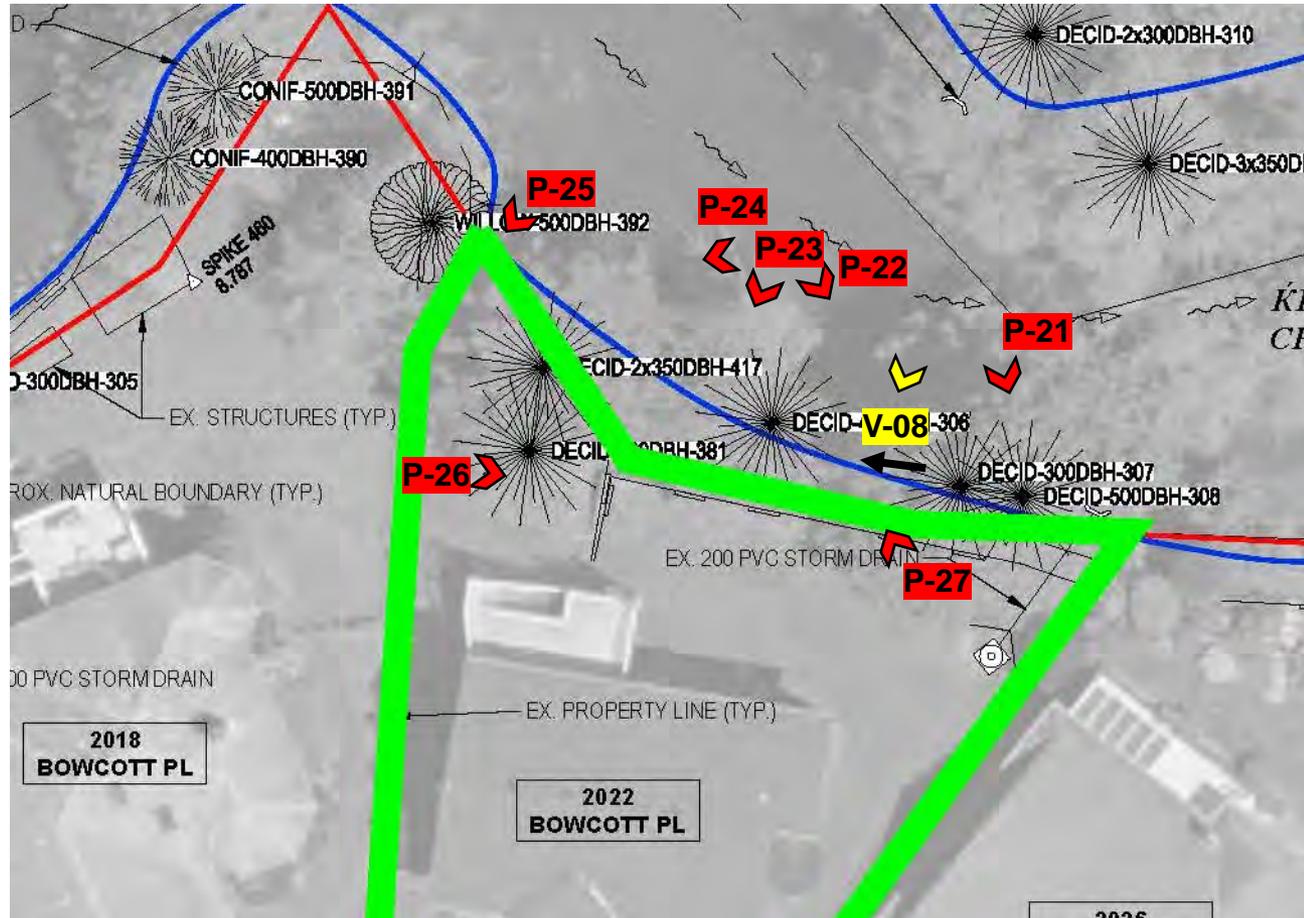
➔ **P-20**



2022 Bowcott Place



2022 Bowcott Place – Photo & Video Key



Video Symbol

➤ V-09

➔ Direction of video panning

Photo Symbol

➤ P-89

2022 Bowcott Place

➔ **P-21**



2022 Bowcott Place

➤ V-08



2022 Bowcott Place

➔ P-22



Tiered timber retaining wall adjacent to pond.

Contractor's geotechnical engineer to advise on slope stability concerns and adjacent structures.

2022 Bowcott Place

➔ P-23



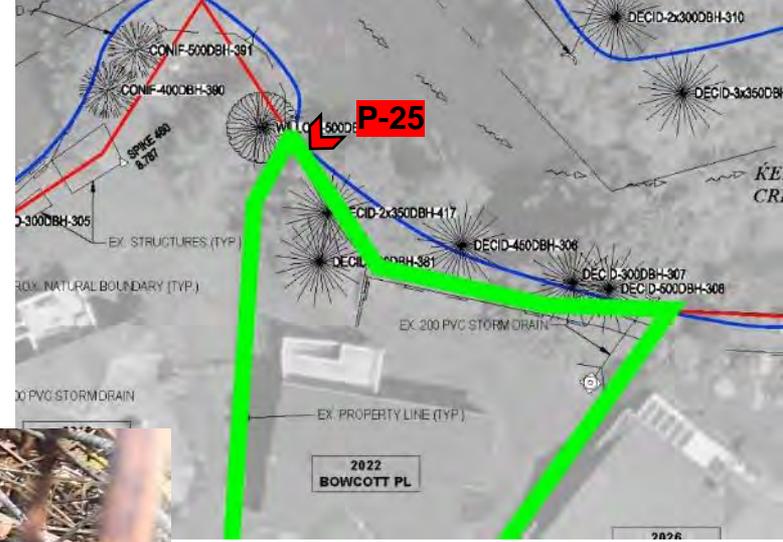
2022 Bowcott Place

➔ P-24



2022 Bowcott Place

➔ P-25



2022 Bowcott Place

➤ P-26

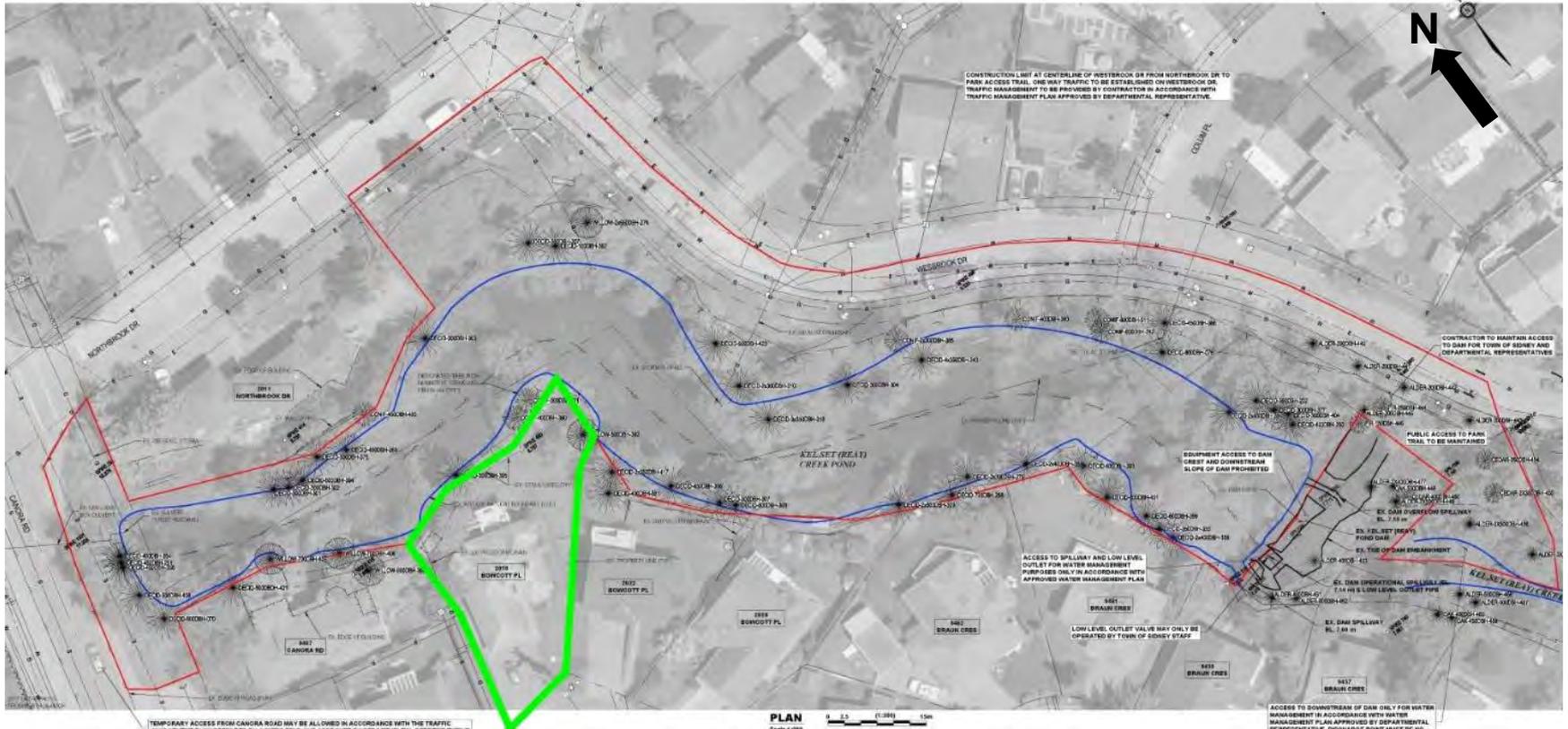


2022 Bowcott Place

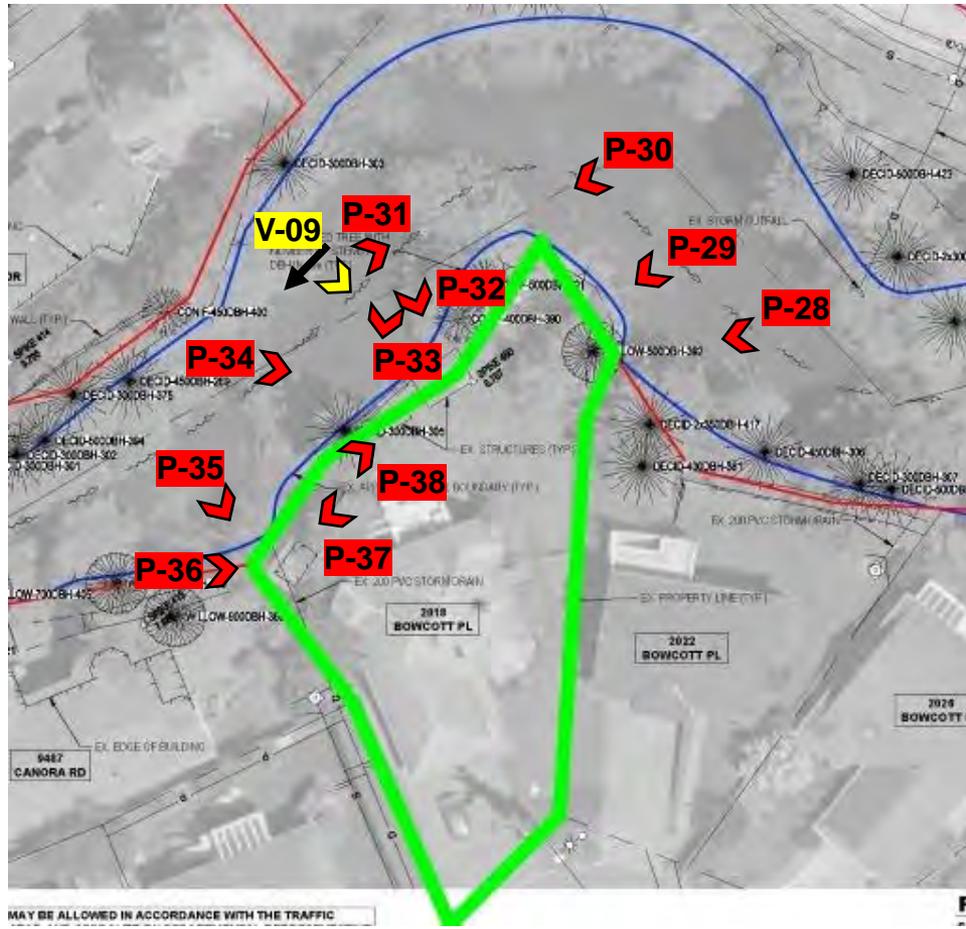


View from above
tiered timber retaining
wall.

2018 Bowcott Place



2018 Bowcott Place – Photo & Video Key



Video
Symbol

➤ V-09

➔ Direction of
video
panning

Photo
Symbol

➤ P-89

2018 Bowcott Place

➔ P-28



2018 Bowcott Place

➔ P-29



2018 Bowcott Place



**Western Red Cedars
along pond margins to
be retained.**

2018 Bowcott Place

➔ P-31



2018 Bowcott Place

➤ V-09



2018 Bowcott Place

➔ P-32



Rock stack wall to be removed during excavation. Property owner to retain rock. Backfill according to drawings and contractor's geotechnical engineer requirements.

2018 Bowcott Place

➔ **P-33**

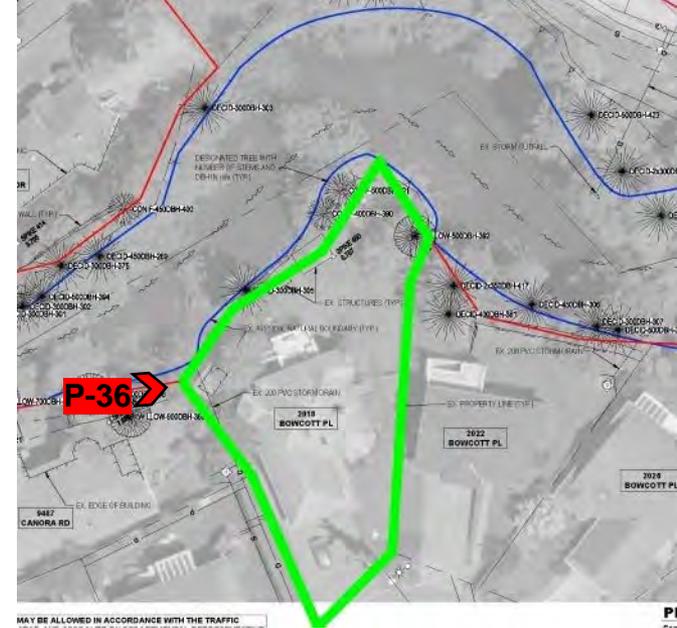


2018 Bowcott Place

➔ P-34



2018 Bowcott Place



2018 Bowcott Place

➔ P-37

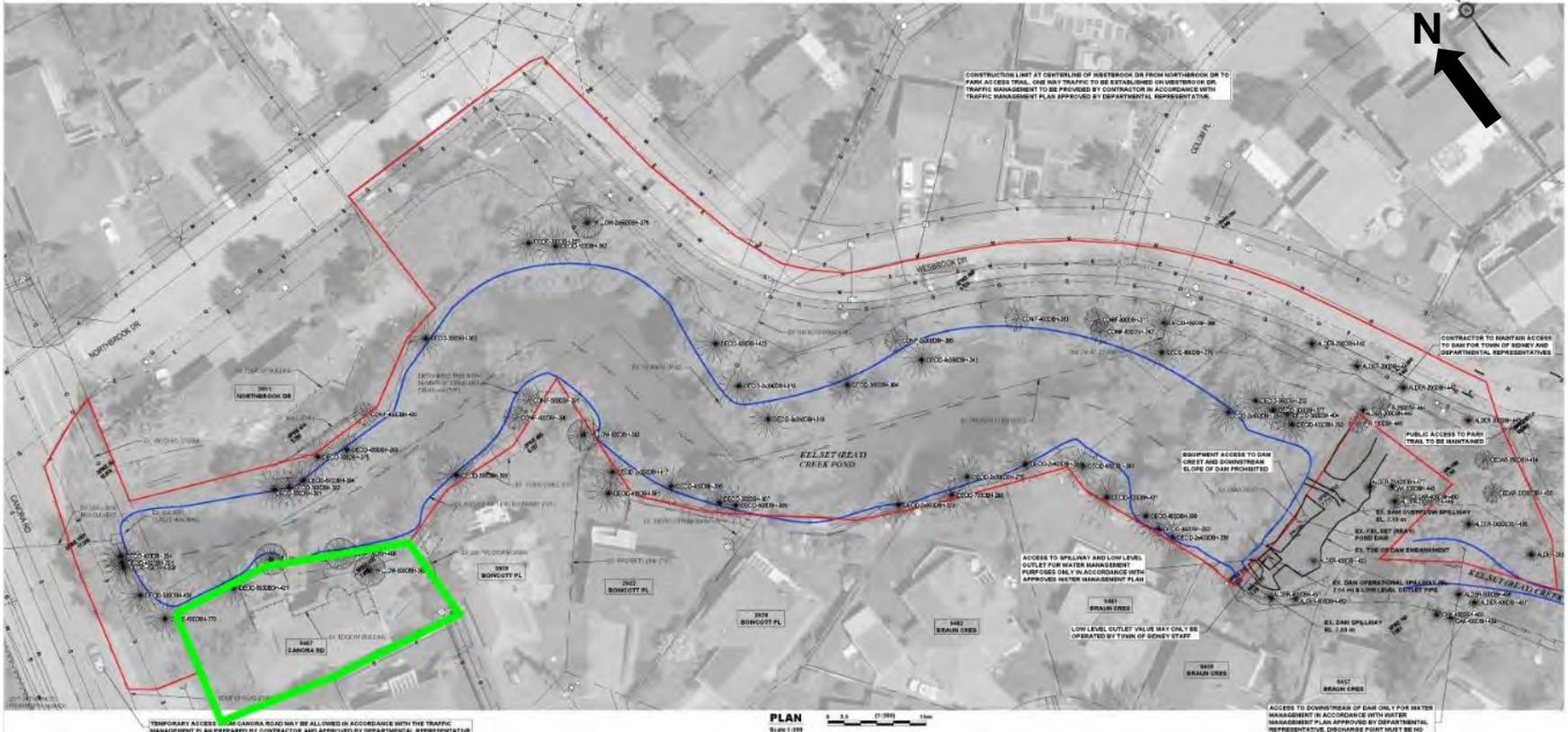


2018 Bowcott Place

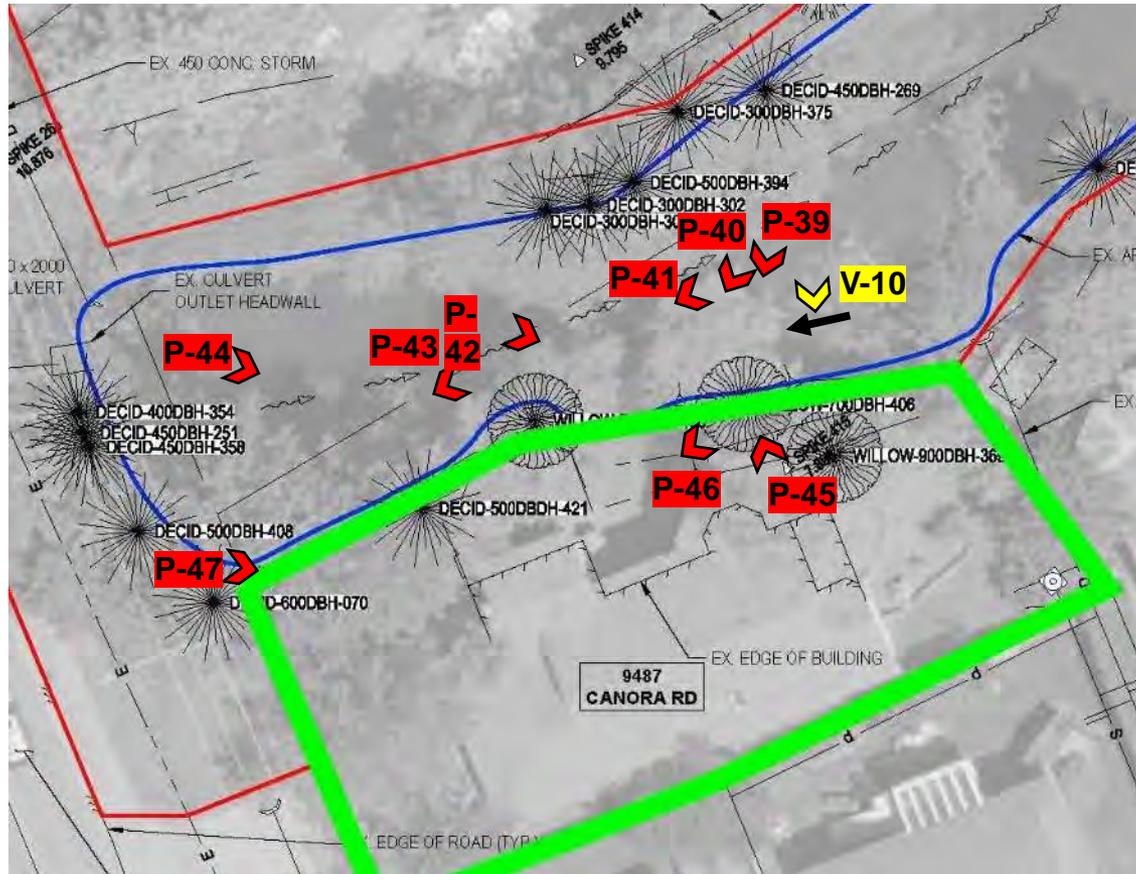
➔ **P-38**



9487 Canora Road



9487 Canora Road – Photo & Video Key



Video
Symbol



Direction of
video
panning

Photo
Symbol



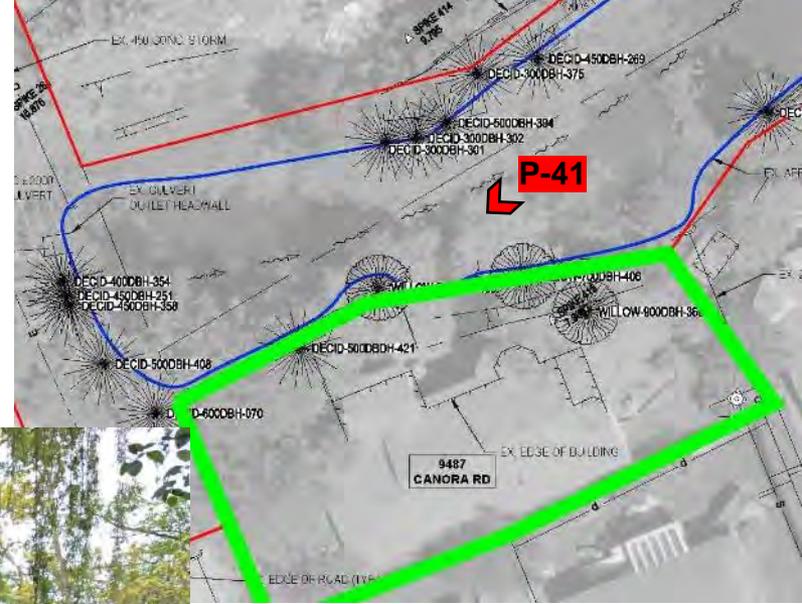
9487 Canora Road

➤ V-10



9487 Canora Road

➤ **P-41**



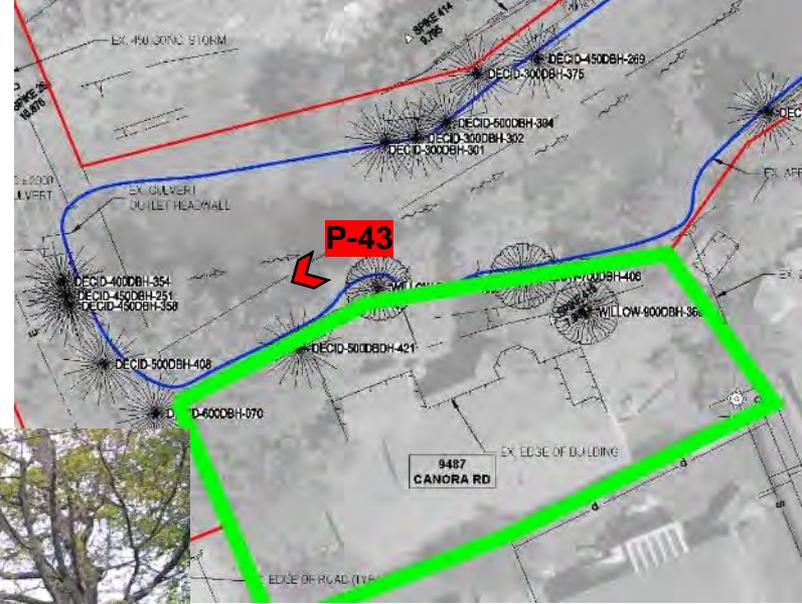
9487 Canora Road

➤ P-42

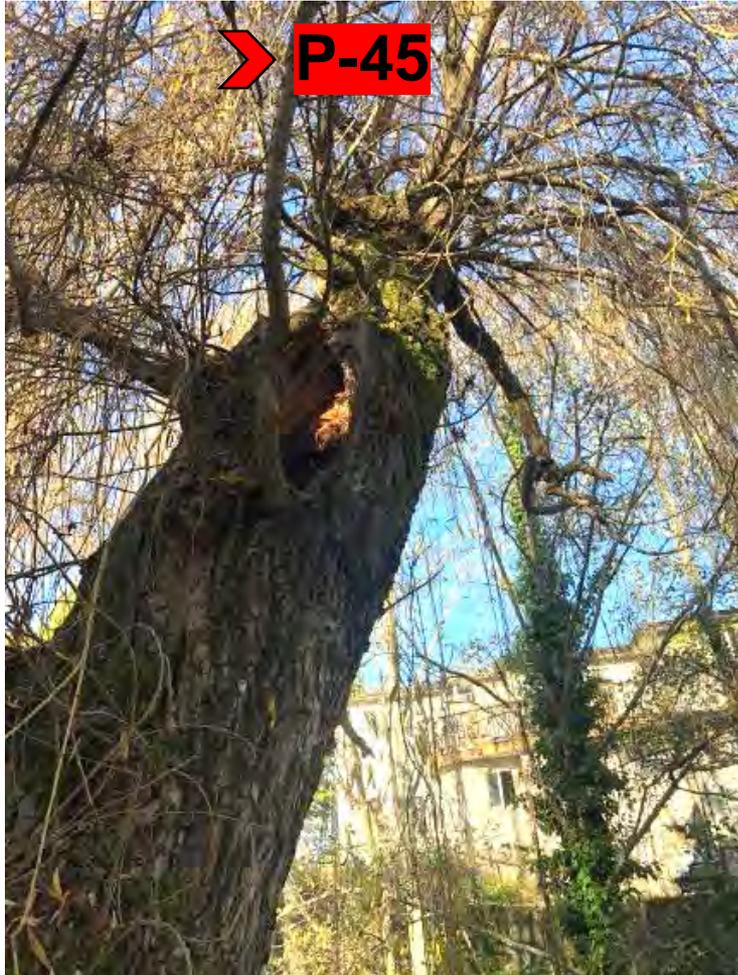


9487 Canora Road

➔ P-43



9487 Canora Road



9487 Canora Road

➔ P-46



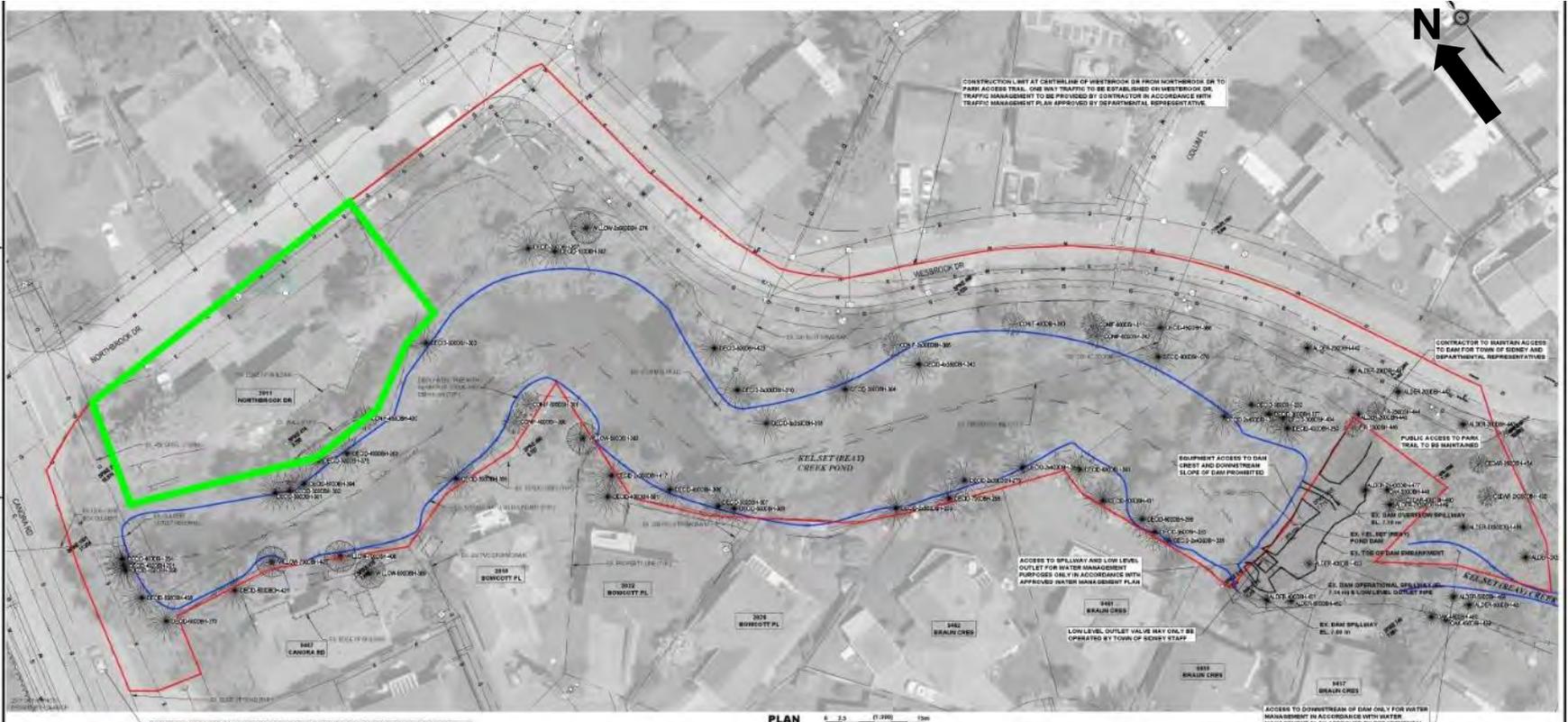
9487 Canora Road

➔ P-47

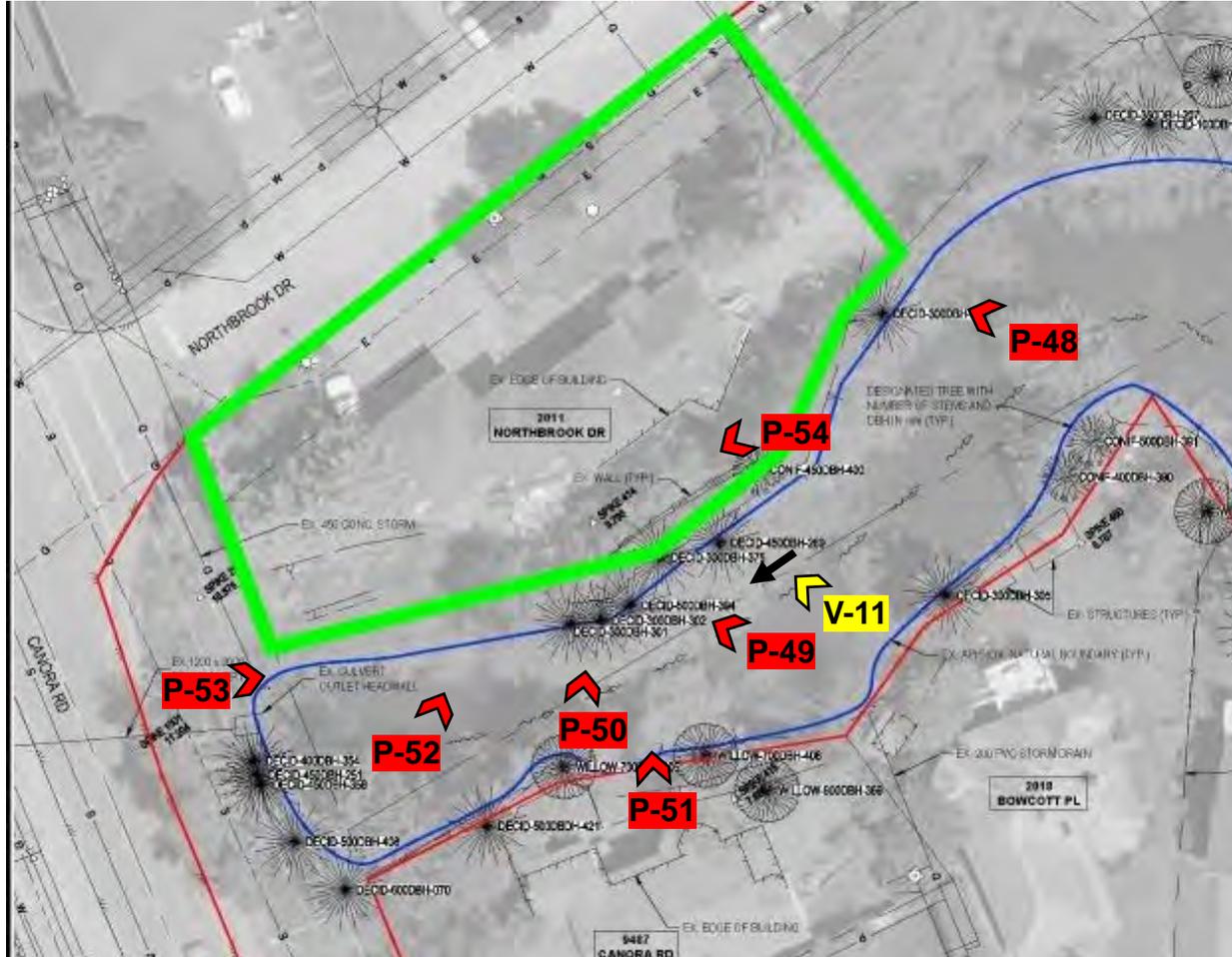


Rock stack wall adjacent to pond at NW corner of property

2011 Northbrook Dr



2011 Northbrook Dr – Photo & Video Key



Video
Symbol

➤ V-09

➔ Direction of
video
panning

Photo
Symbol

➤ P-89

2011 Northbrook Dr

➔ P-48



2011 Northbrook Dr

➤ V-11



2011 Northbrook Dr

➔ P-50



2011 Northbrook Dr

➔ P-51



2011 Northbrook Dr

➔ **P-53**

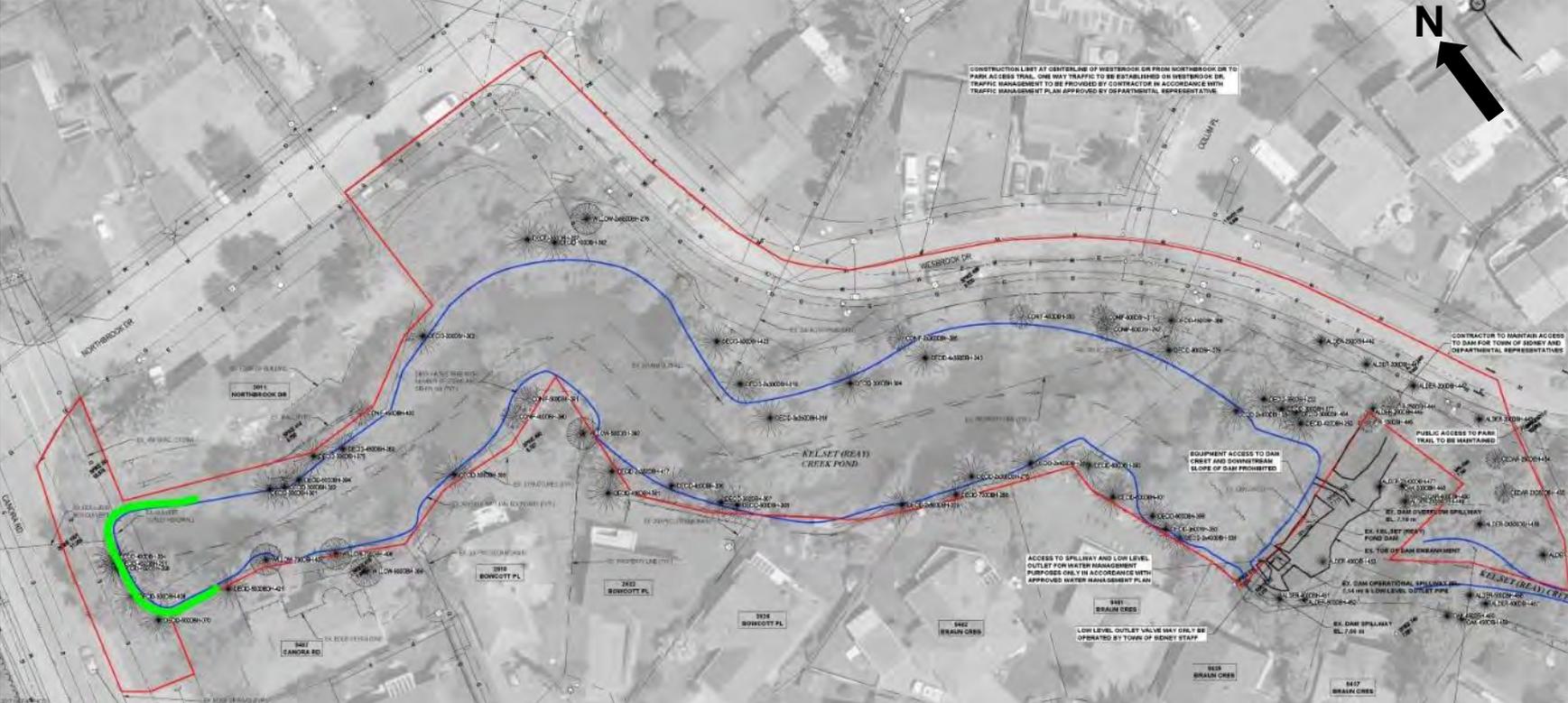


2011 Northbrook Dr

➔ P-54

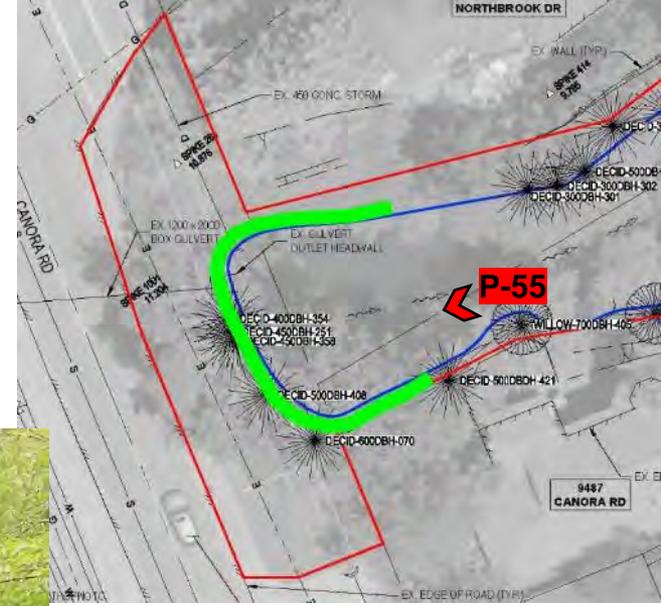


Upstream End of Pond



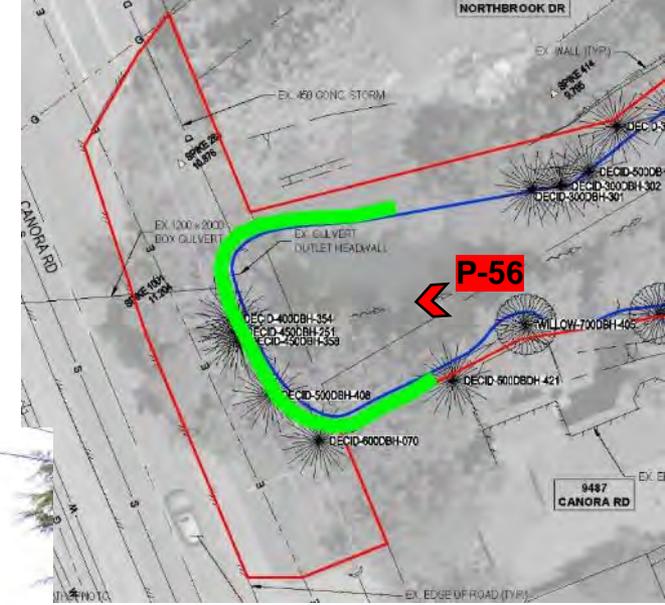
Upstream End of Pond

➔ **P-55**



Upstream End of Pond

➔ **P-56**



Culvert beneath
Canora Road

Upstream End of Pond

➤ V-12



Upstream End of Pond

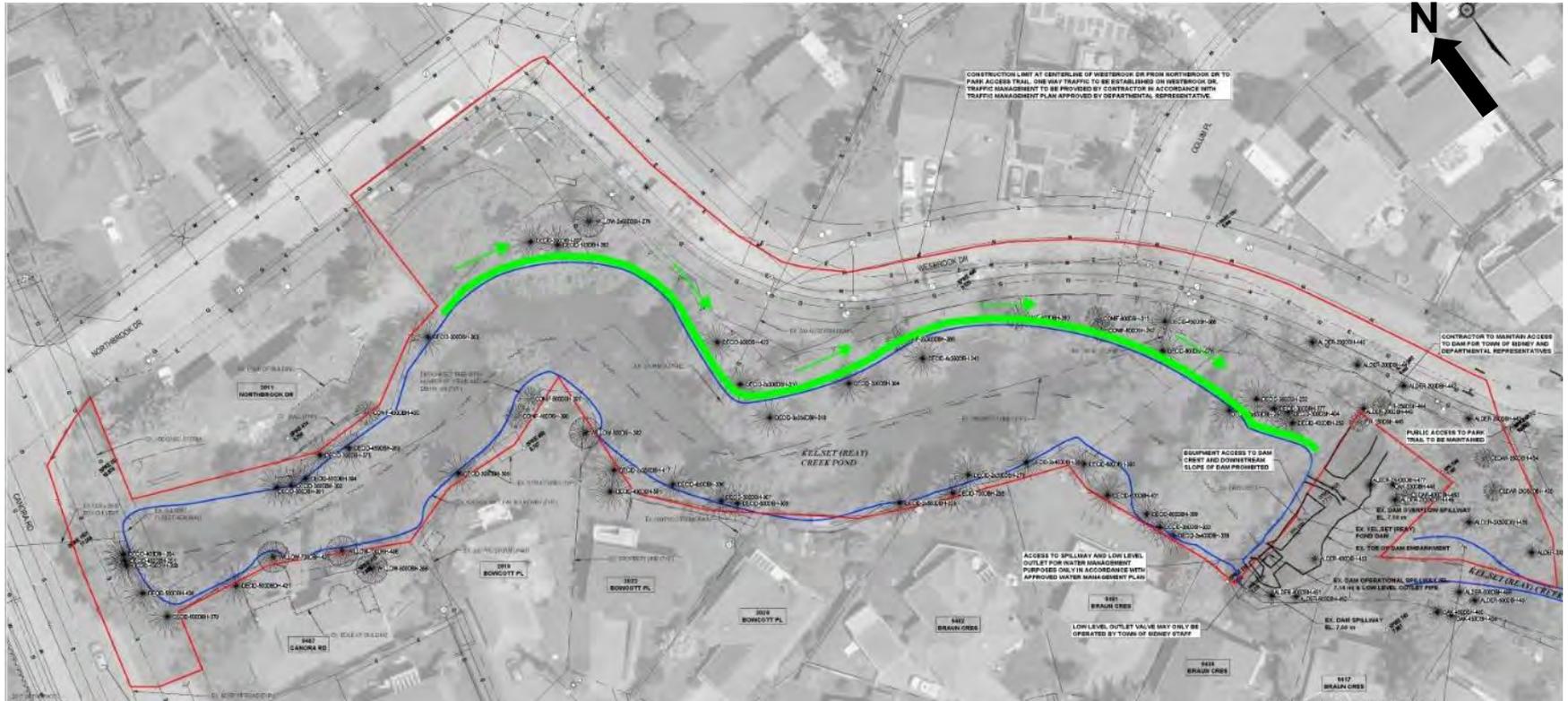
➔ **P-57**



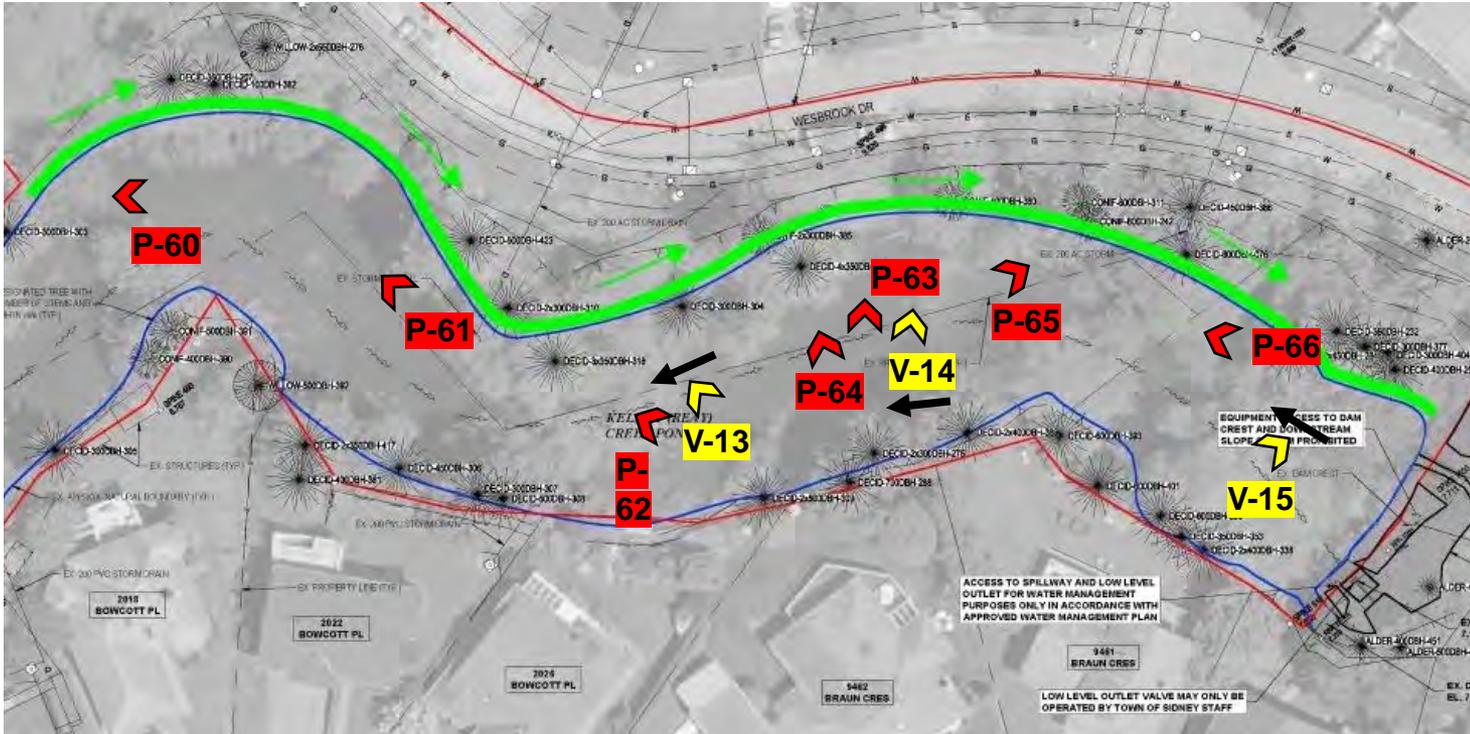
Remove trees
along Canora Road

Culvert beneath
Canora Road

North Bank of Pond



North Bank of Pond – Photo & Video Key



Video Symbol

-  V-09
-  Direction of video panning

Photo Symbol

-  P-89

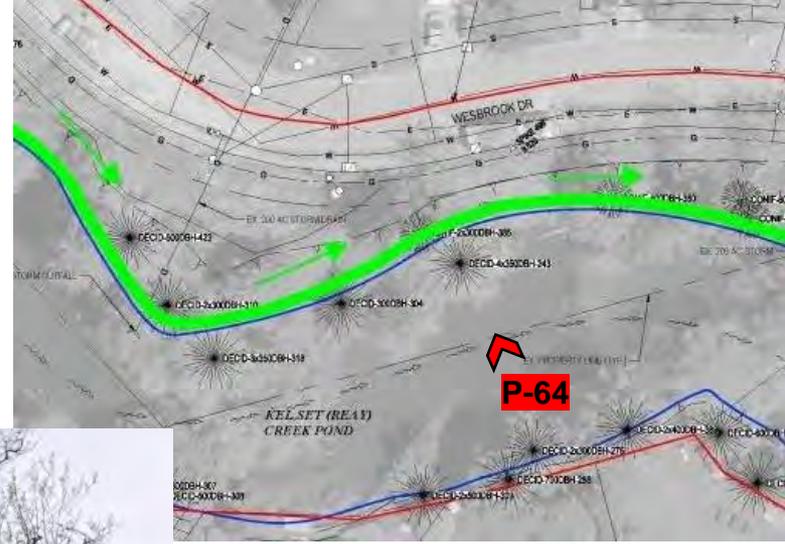
North Bank of Pond

➤ V-13



North Bank of Pond

➔ P-64



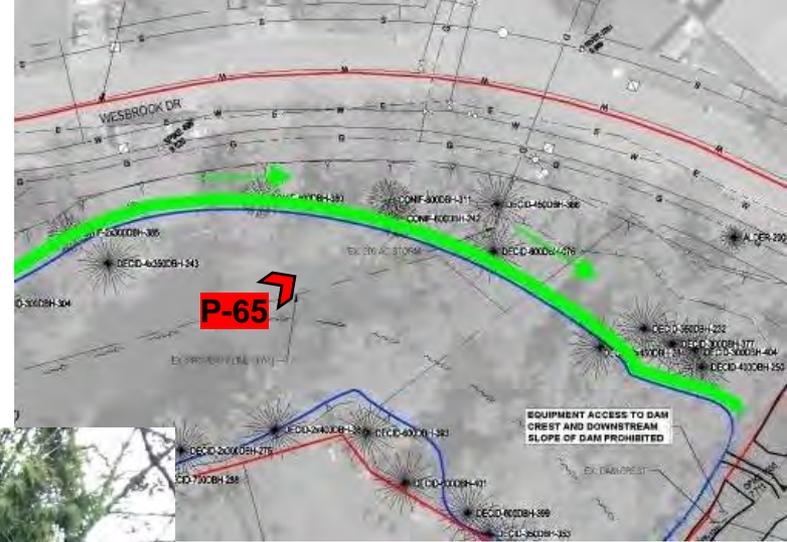
North Bank of Pond

➤ V-14



North Bank of Pond

➔ **P-65**



Retain cedar trees along bank

North Bank of Pond

➔ **P-66**

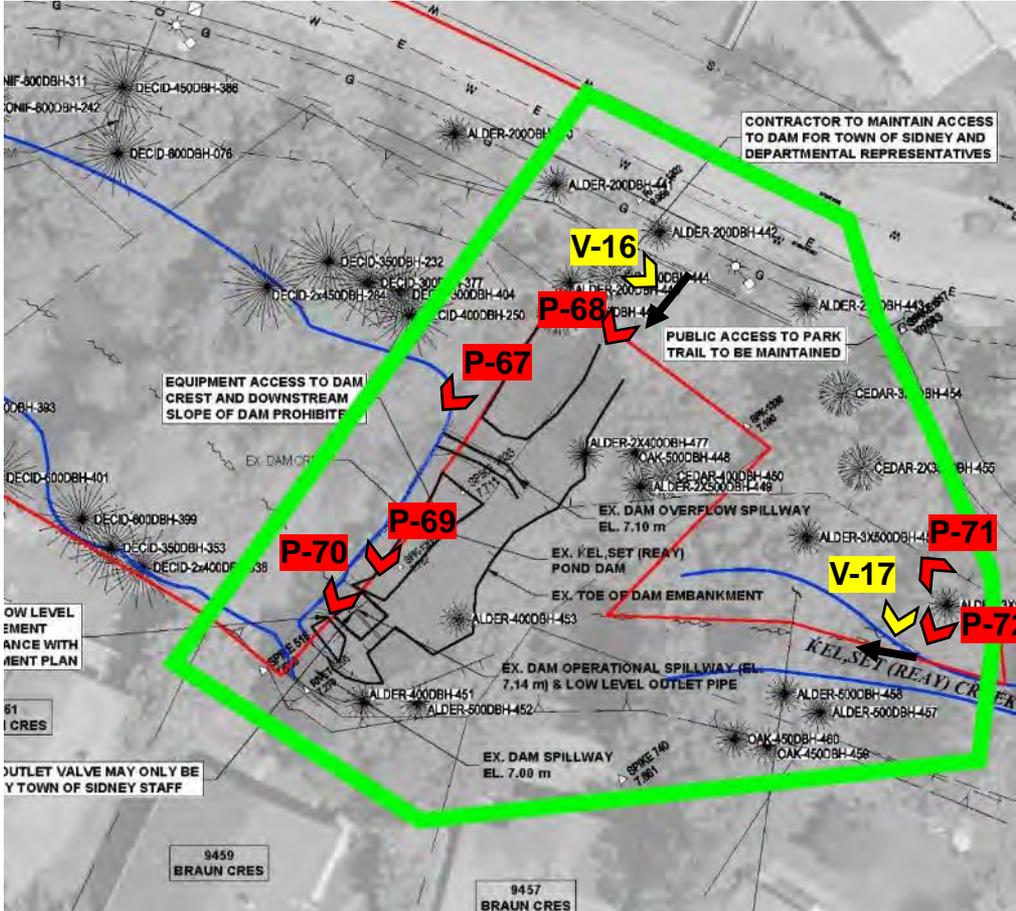


North Bank of Pond

➤ V-15



Dam Area – Photo & Video Key



Video
Symbol

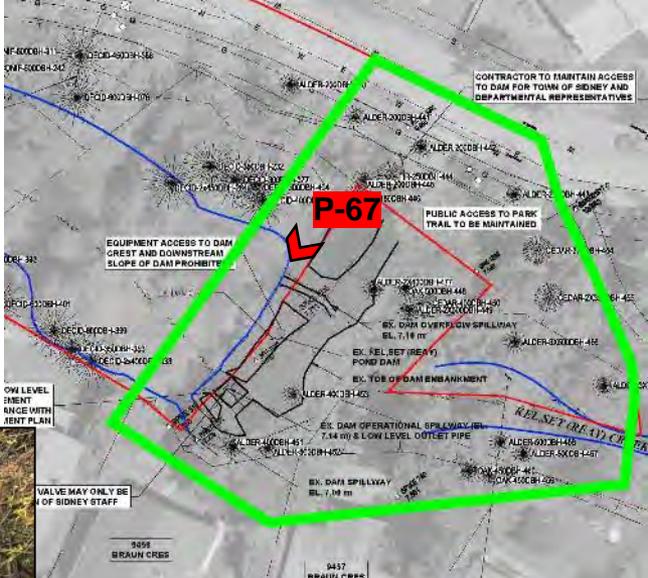
- V-09
- ➔ Direction of video panning

Photo
Symbol

- P-89

Dam Area

➔ P-67



Dam Area

➤ V-16



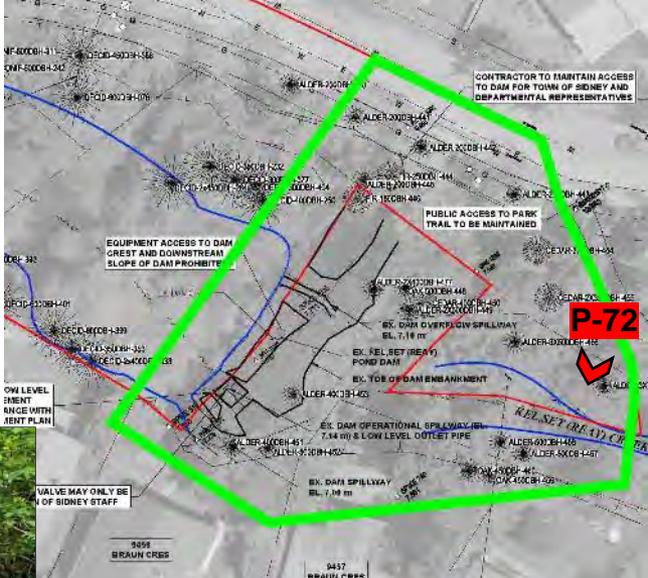
Dam Area

➔ P-71



Dam Area

➔ P-72

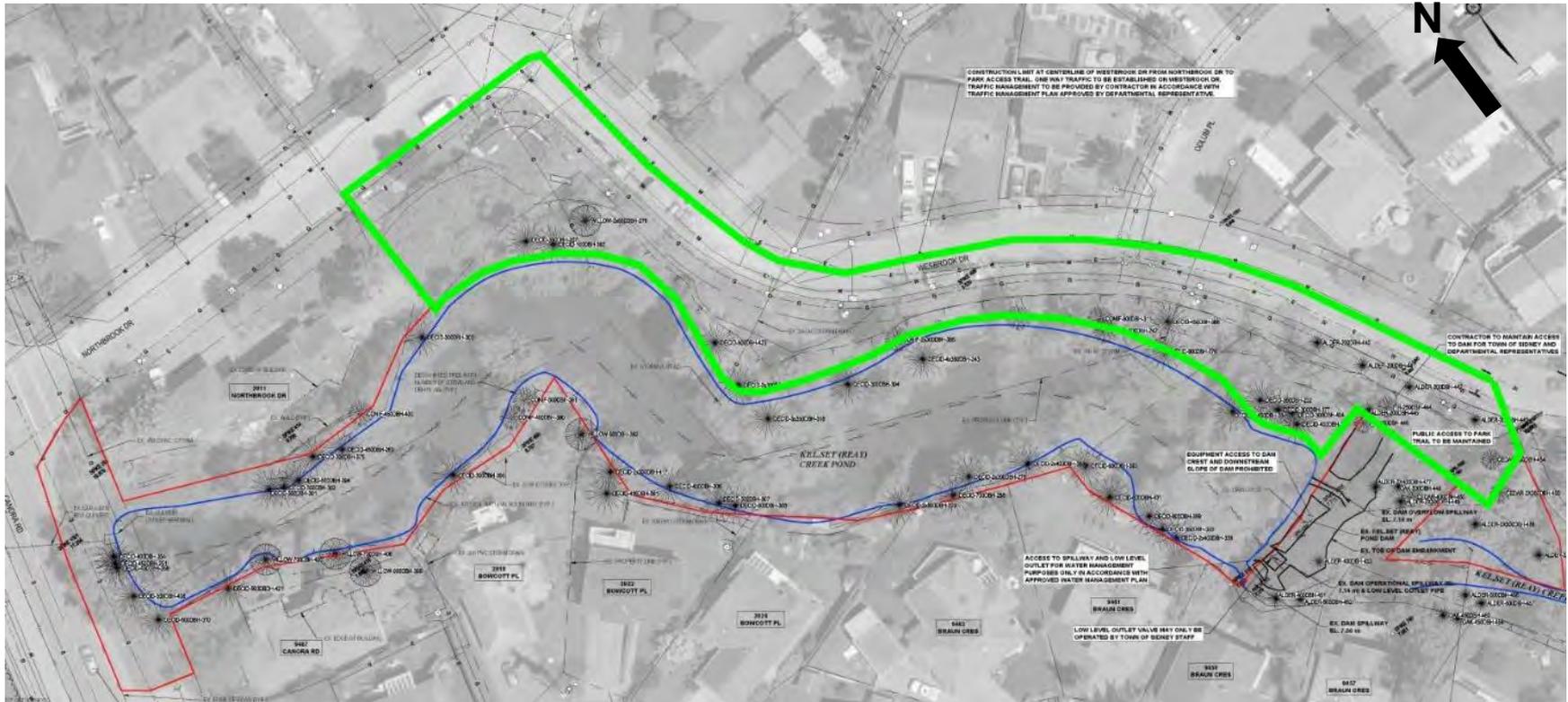


Dam Area

➤ V-17



Laydown & Access Areas



Laydown & Access Areas – Photo & Video Key

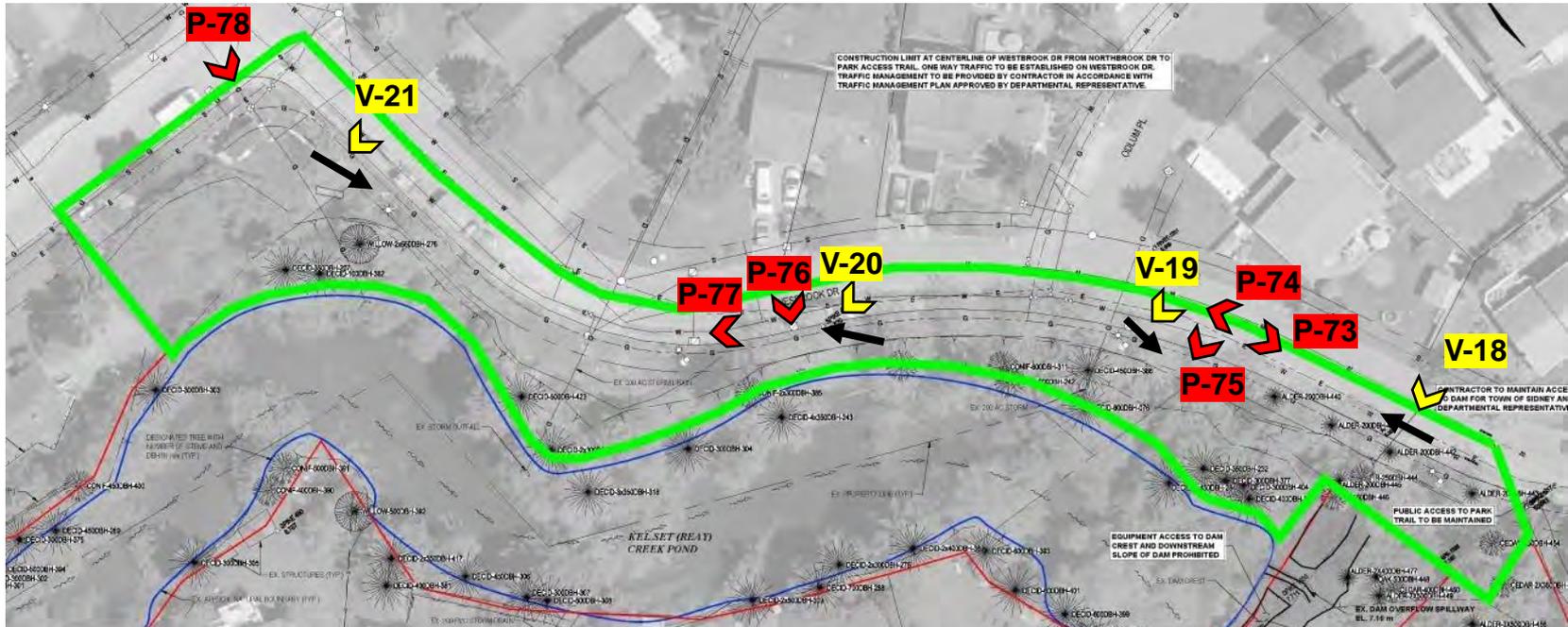


Photo
Symbol



Video
Symbol



→ Direction of
video
panning

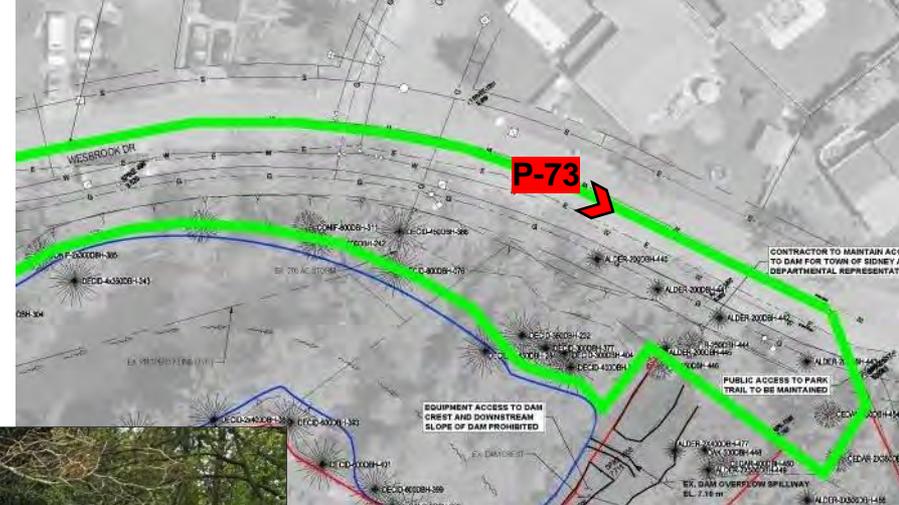
Laydown & Access Areas

➤ V-18



Laydown & Access Areas

➔ **P-73**



Laydown & Access Areas

➔ P-74



Laydown & Access Areas

➤ V-19



Laydown & Access Areas

➔ **P-75**



Laydown & Access Areas

➤ V-20



Laydown & Access Areas

➔ **P-76**



Laydown & Access Areas

➔ P-77



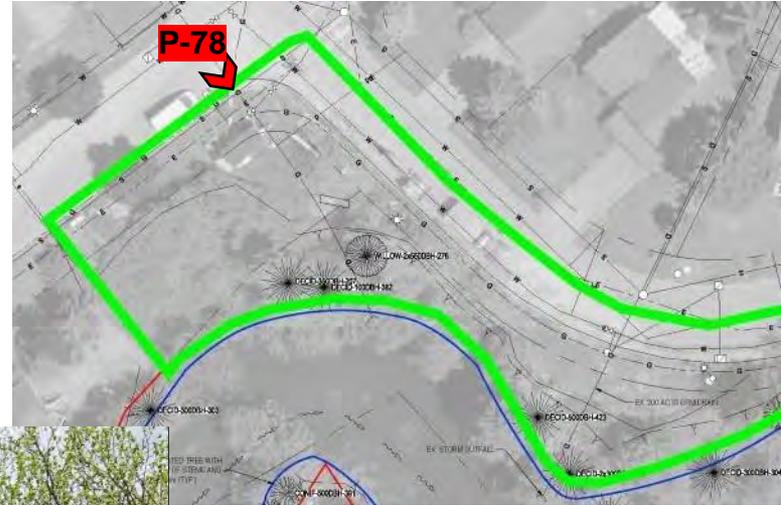
Laydown & Access Areas

➤ V-21



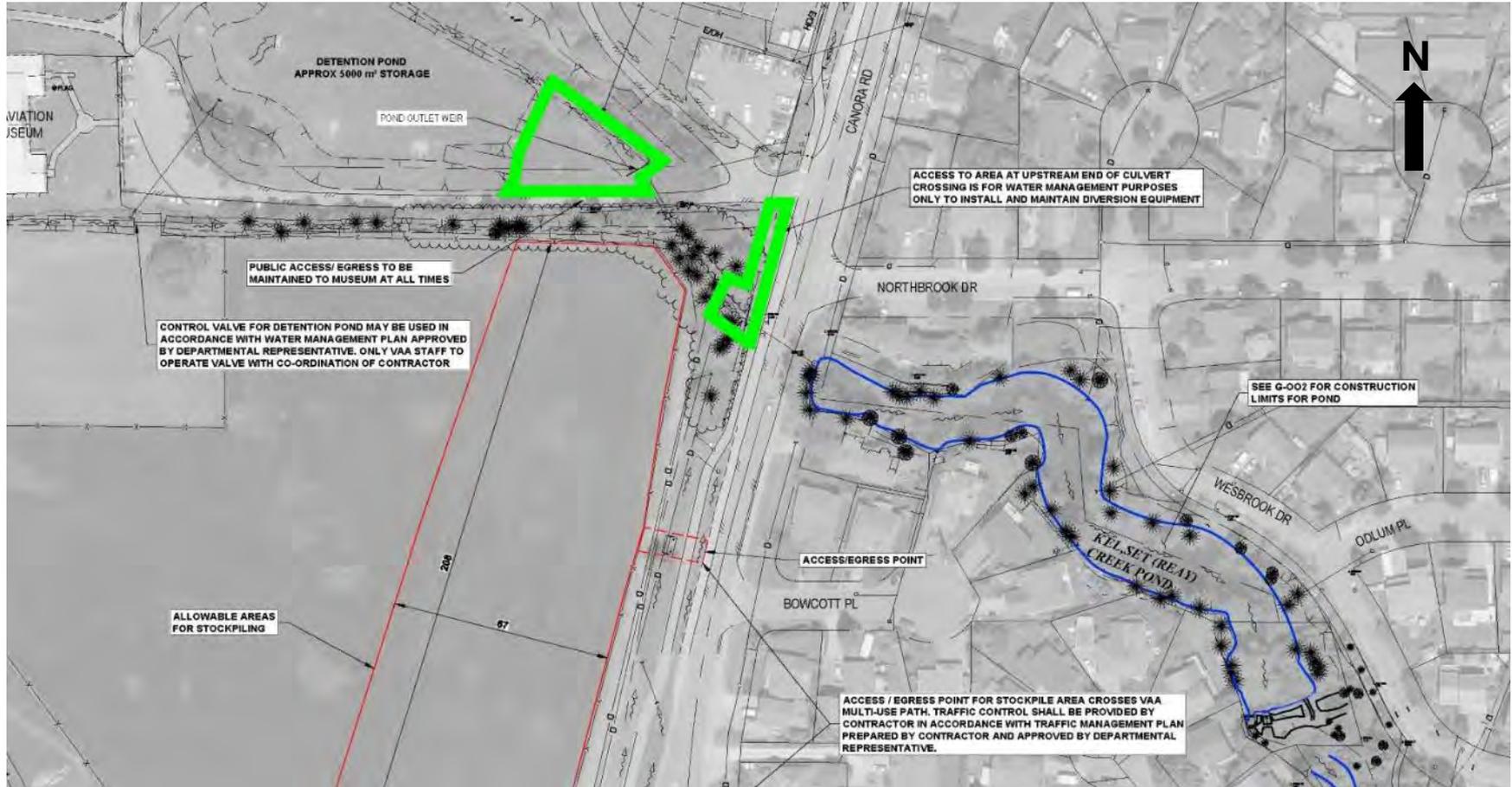
Laydown & Access Areas

➔ P-78

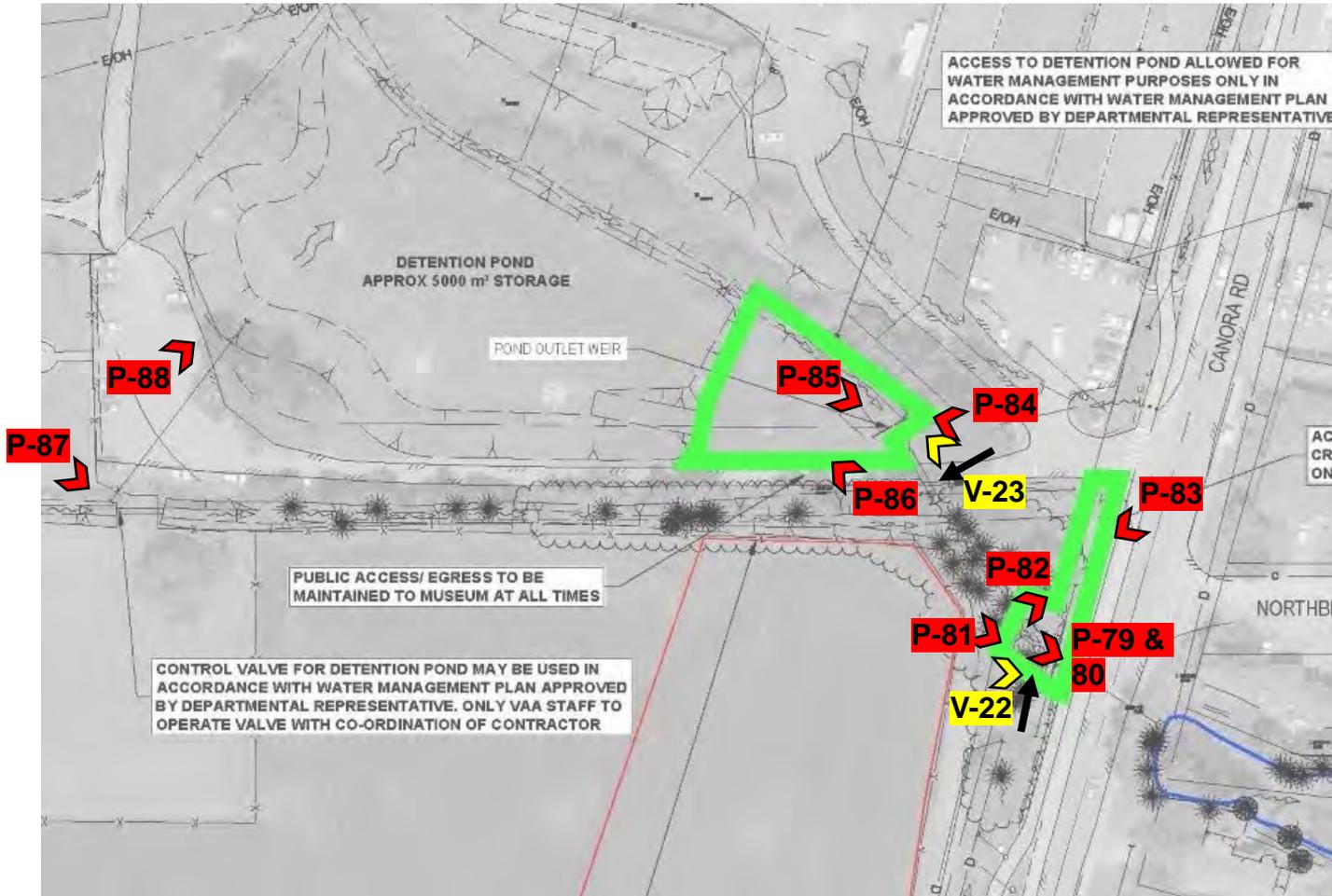


Hydrant to remain accessible to emergency crews and Town of Sidney staff.

Upstream Areas



Upstream Areas – Photo & Video Key



Video Symbol

➤ V-09

➔ Direction of video panning

Photo Symbol

➤ P-89

Upstream Areas

Creek Channel

➤ P-79



Culvert beneath
Canora Road

Spring-fed roadside
ditch input to
KEL,SET (Reay)
Creek

Upstream Areas

Creek Channel

> P-80



Culvert beneath
Canora Road

Upstream Areas

Creek Channel

➤ P-81



Culvert beneath
Canora Road

Upstream Areas

Creek Channel

> P-82



Canora Road
Pedestrian Path

Access from Canora
Road

Upstream Areas

Creek Channel



Upstream Areas

Creek Channel

> P-83



Access from Canora Road toward KEL,SET (Reay) Creek

Multi-Use Path along Canora Road

Upstream Areas

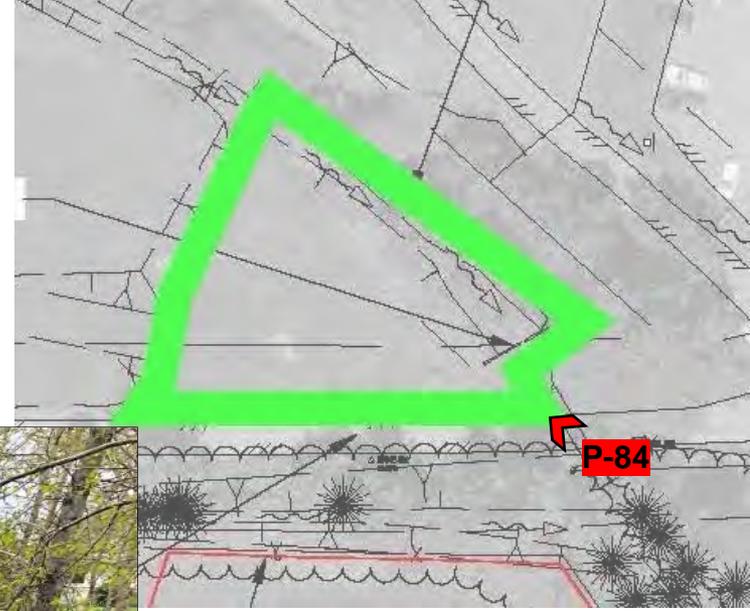
Detention Pond



Upstream Areas

Detention Pond

> P-84

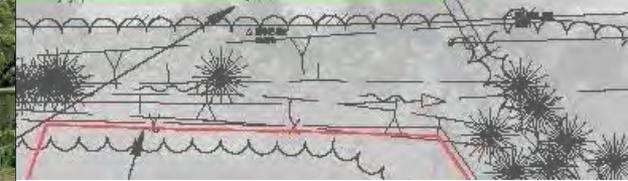


Detention Pond outlet
weir along KEL,SET
(Reay) Creek

Upstream Areas

Detention Pond

> P-85



Culvert beneath
Norseman Road

Detention Pond outlet
weir along KEL,SET
(Reay) Creek

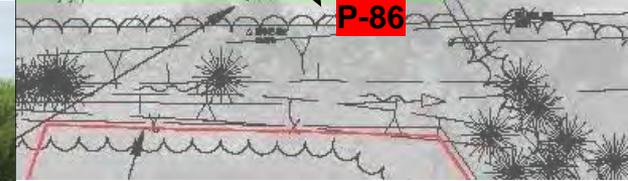
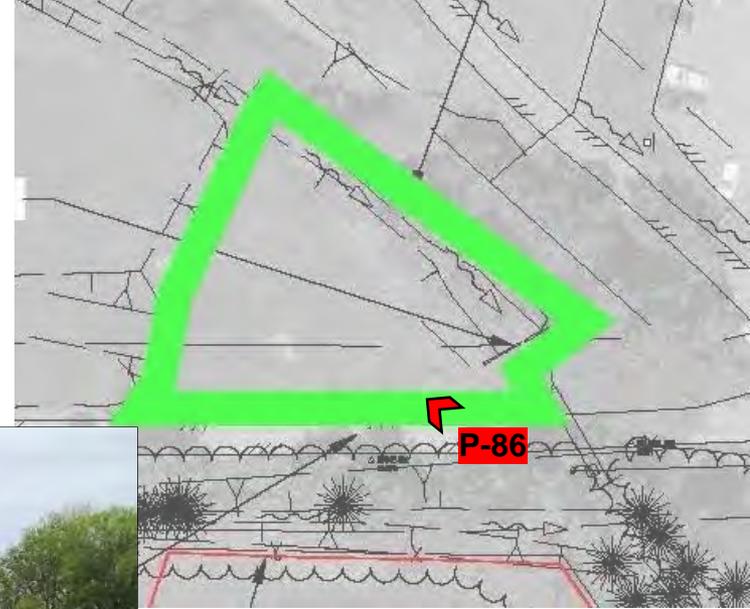
Flow
direction



Upstream Areas

Detention Pond

> P-86



Creek
Channel

BC Aviation Museum
and Parking Lot
(not for use)

Upstream Areas

Tributary Diversion

➔ **P-87**



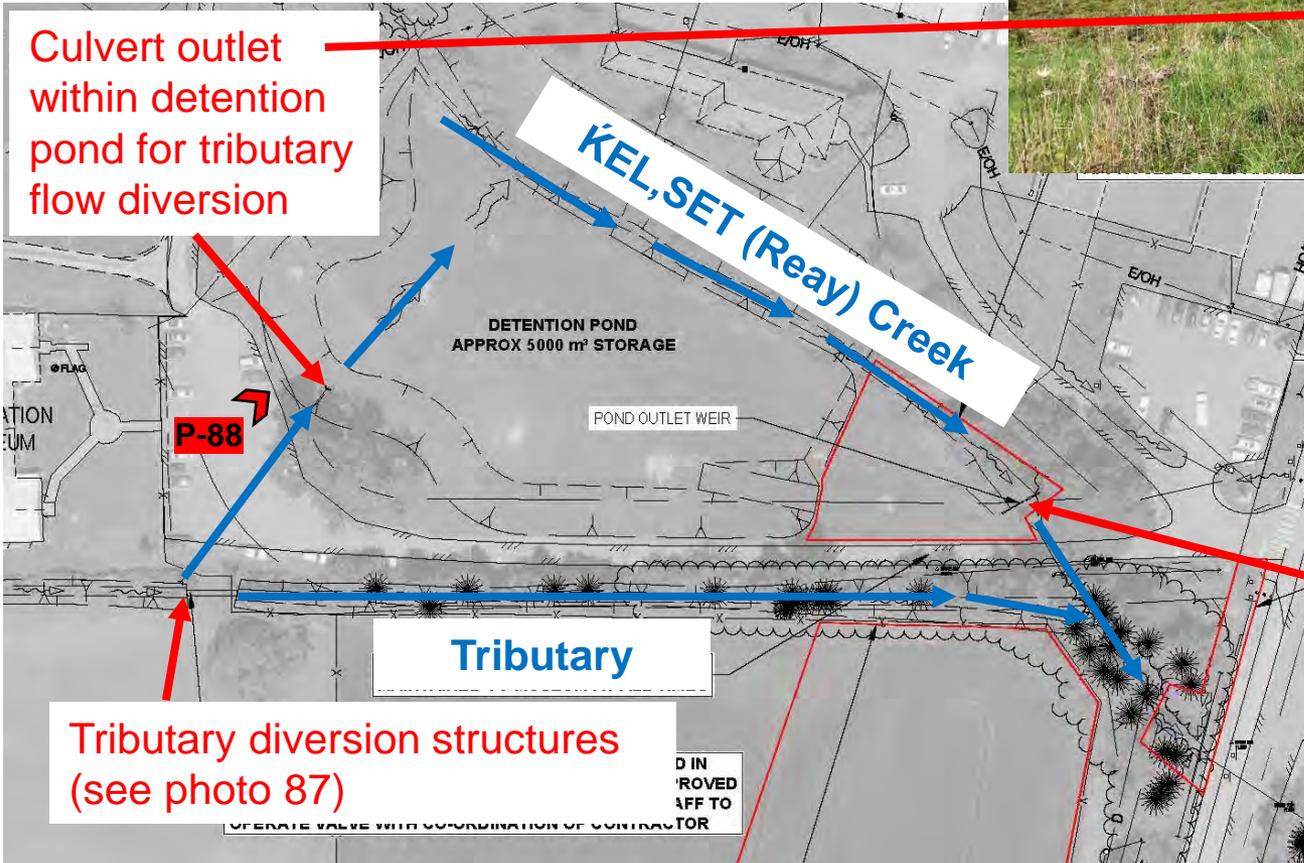
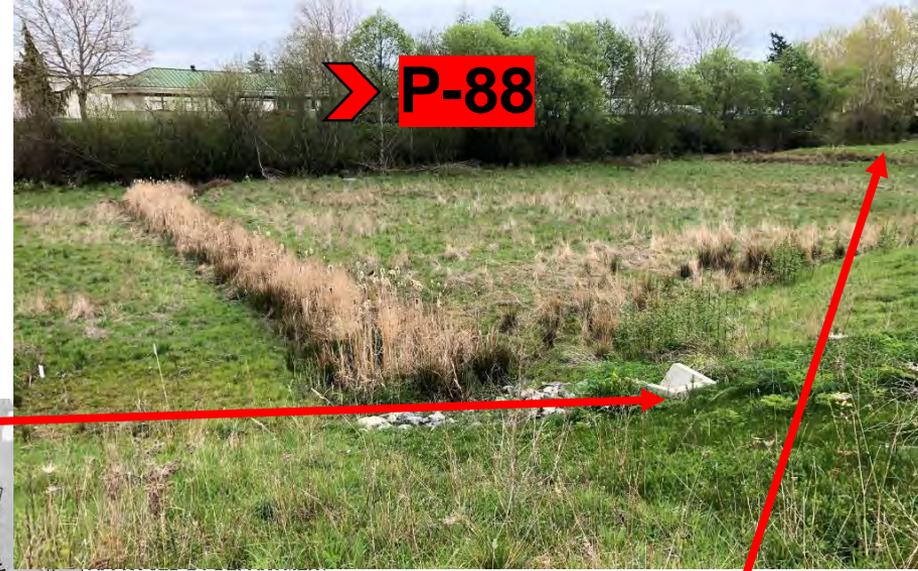
Flow control gate for
KEL,SET (Reay)
Creek Tributary

Culvert headwall
leading to detention
pond

Upstream Areas

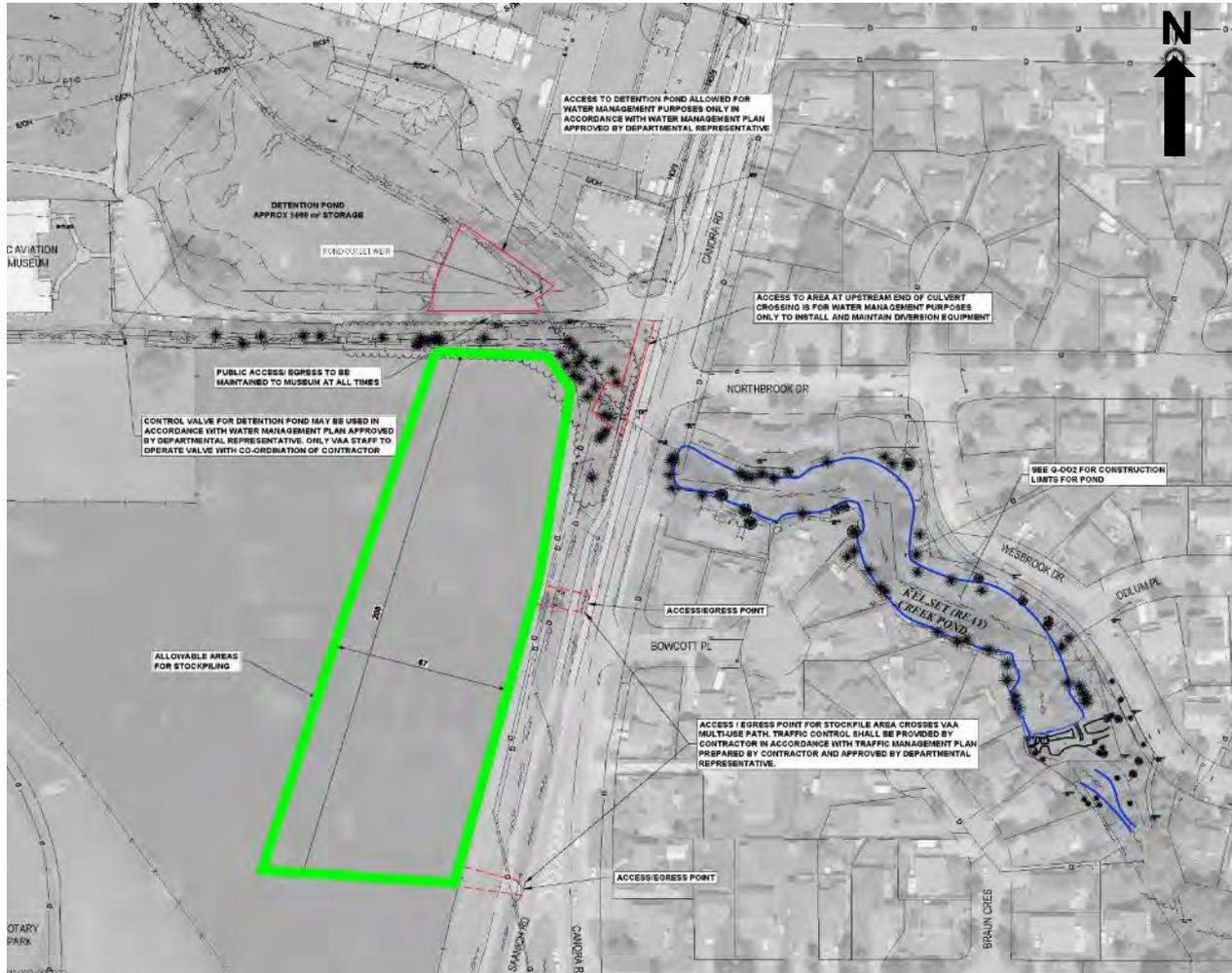
Tributary Diversion

P-88

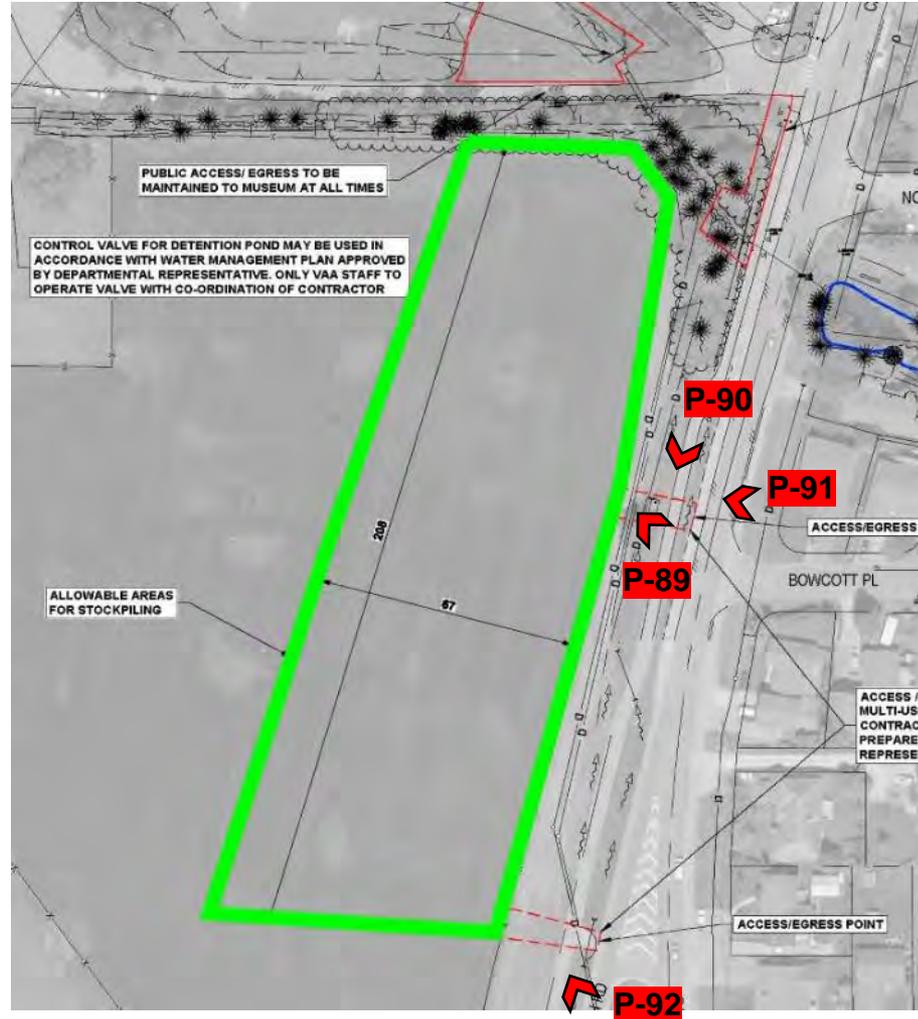


Detention pond outlet weir

Stockpile Area



Stockpile Area – Photo & Video Key



Video Symbol

➤ V-09

➔ Direction of video panning

Photo Symbol

➤ P-89

Stockpile Area

➔ P-89



- ➔ KÉL,SET (Reay) Creek
- ➔ Stockpile Management Area
- ➔ Access Gate

Stockpile Area



North access to STP Area

Multi-Use Path

Stockpile Area

➔ P-91



North access and gate to STP Area

Multi-Use Path

Canora Road

Stockpile Area

➔ P-92



➔ P-92



Canora Road

Multi-Use Path

South access to STP Area

KEL,SET (Reay) Creek Pond Remediation Project

Thank You

(Please submit any questions in writing to the PSPC Contracting Authority)