



Oil Mill Creek Drain Public Information Centre #2

Proposed Drainage Plan

November 27, 2023 @ 18:30



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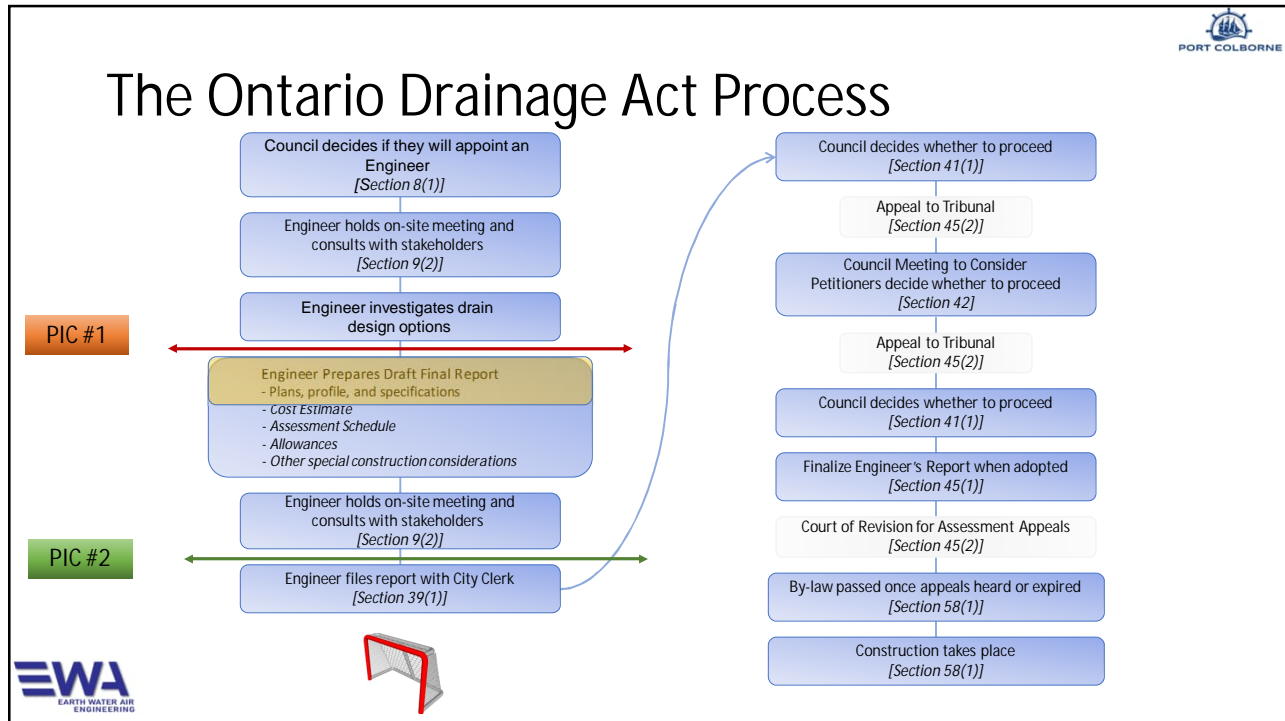


Agenda

- Role of Public Information Centre in the Drainage Act
- Baseline Report / Watershed Modelling
 - Existing Issues
- Discussion
 - What we're not doing
 - What we propose to do
- Drain Improvements
 - Proposed Improvements
 - Cost Estimate and Assessment
 - Public Input / Comments
- Next Steps
 - Receive comments
 - Report To Council for consideration



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Baseline Report – Overview

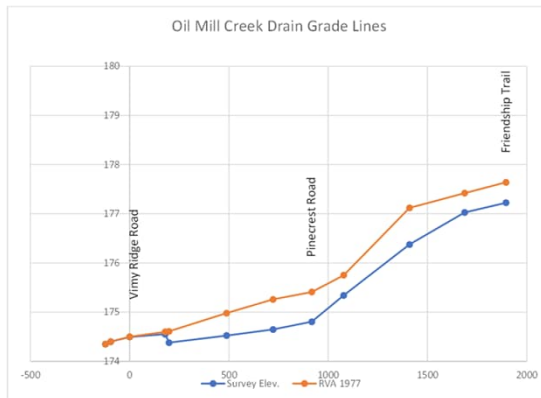
Baseline Report
 Baseline Plan & Profile Drawings
 Environmental Conditions

EWA (EARTH WATER AIR ENGINEERING) logo is in the bottom left.

PORT COLBORNE logo is in the top right.

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Baseline Report

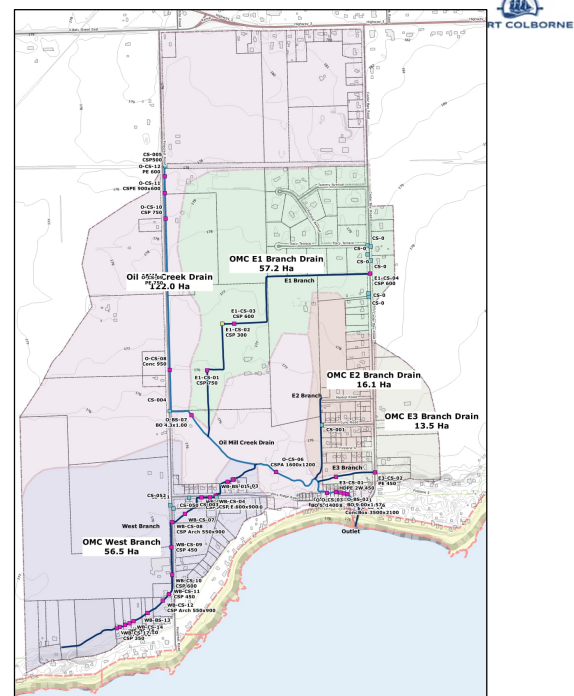


- Serves an area of 255.7 hectares based on the defined drain boundary.
- The main branch of the drain is 2,008m to the outlet into Lake Erie.
- The watershed boundary or high point is 182m. The average lake level is 174.16 IGLD (revised).
- Outlet - elevation;
 - North side is 174.5
 - South side (Control Gate) is 174.28
- This Oil Mill Creek drain slope characterised as a split watershed, high slope upper catchment and very low slope in the lower half of the drain.
 - Watershed average fall (slope) is given as 0.27% or 2.7m per 1000m
 - Drain average fall (slope) is given as 0.13% or 1.3m per 1000m

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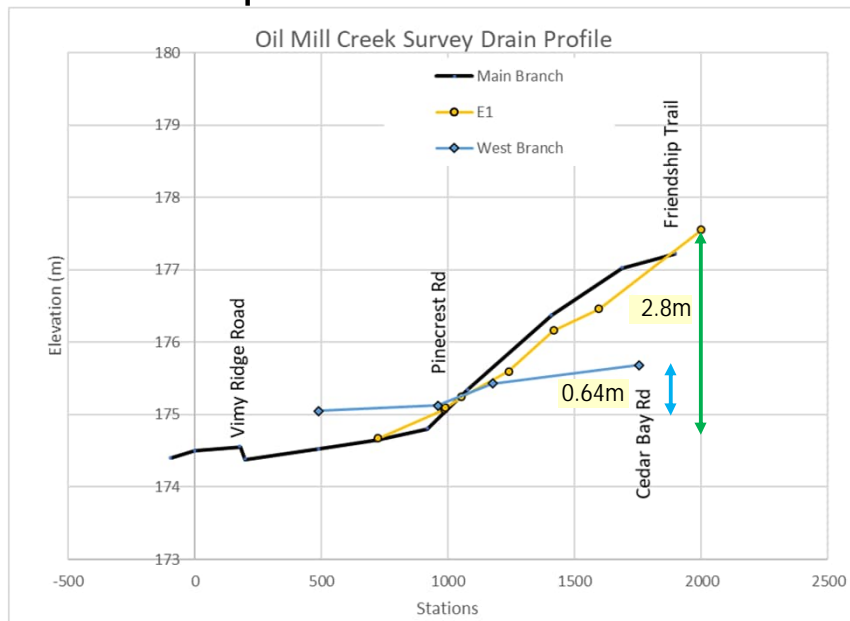
Drain and Branch Drains

- Oil Mill Creek E1 Branch
 - E1 is 1277m long and with an overall grade of 0.23%.
 - It's standing water in several places despite reasonable grades.
- Oil Mill Creek E2 & E3 Branches
 - E2 was lowered from its original intended profile mostly at the outlet as expected creating a considerable grade back to Merkel Road (original grade RVA 0.44% now 0.54%). The 325m Drain has an overall grade of 0.54%, making it the steepest portion of the Oil Mill Creek drains.
 - E3 is 223m long with an overall grade of 0.22%, corresponding to 2.2m over 1000m of fall. The survey recorded significant ponded or still water with a culvert submerged.
- Oil Mill Creek West Branch
 - The West Branch has a very low grade profile over its 1265m of length, making it one of the poorer functioning portions of the Oil Mill Creek. The overall grade is 0.05% or 0.5m per 1000m.
- Oil Mill Creek Drain
 - The Oil Mill Creek Drain has by design a very low grade in the first 600m of the drain, roughly to the point of confluence with the West Branch outlet. From the point adjacent to the Pinecrest Road, there is an improved grade line to the Friendship Trail.



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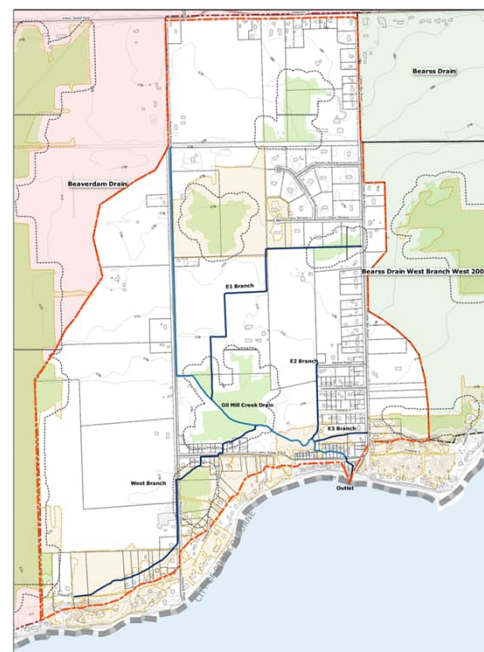
Comparison of drain slope



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Environment

- Significant wetland features exist within the Drain and catchment.
- DFO rated stream assessment as 'F'.

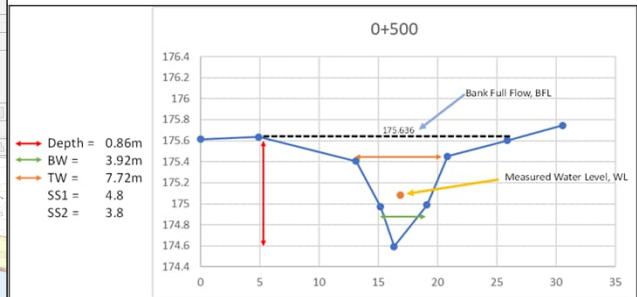
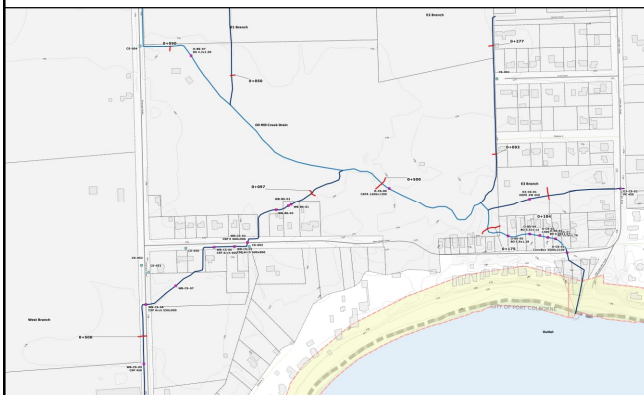


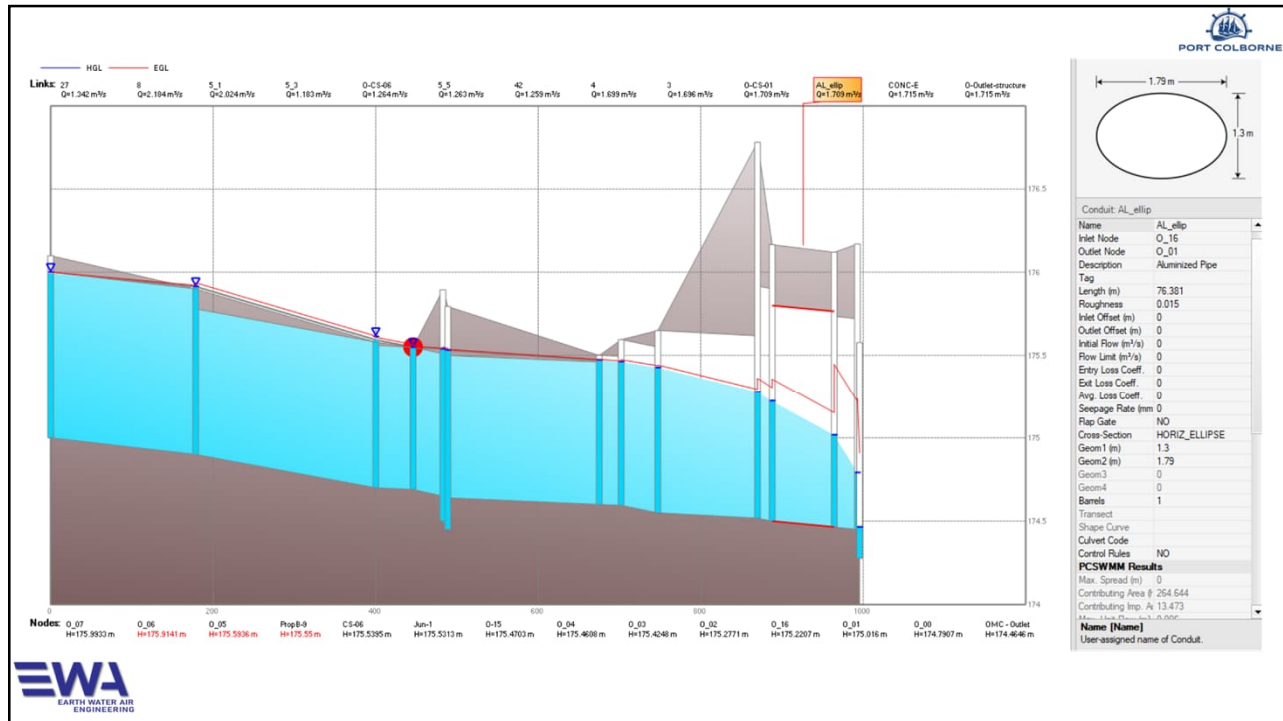
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Oil Mill Creek Watershed Report

Computer Based Hydrologic and Hydraulic Analysis

Culvert and Channel Capacity Analysis





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Drain Status – Issues, Problems & Opportunities

- Maintenance last performed in 2011 and 2008 before.
- Culverts inspected and few structural defects noted with replacements. Several culverts identified as undersized or high.
- A winch controls the flap gate at the outlet, requires being set and does not adjust to flow.
- Are there specific petition-based improvements requested?
 - Yes
- Are there opportunities for improvement?

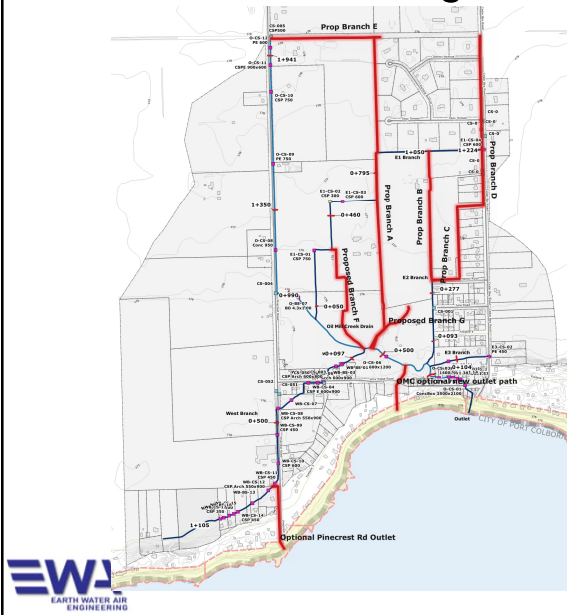
Drain Issues:

1. The outlet gate is manual and open/closed at the wrong/right time.
2. Bell Acres roadside swales and standing water.
3. West Branch has a rock hump that doesn't drain properly and some culvert capacity issues.
4. Branch E3 has bank erosion and culvert issues.
5. Oil Mill Creek Centennial Park Flooding

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What we're not doing

Oil Mill Creek Design – New Options



1. New Outlets

1. Overflow Outlet south through existing park.
2. New Outlet through Pinecrest Rd.

2. New Drain Alignments

1. Option A – yes improved
2. Option B – works but min benefit
3. Option C – local improvement
4. Option D – existing path better
5. Option E – Existing works
6. Option F – No benefit
7. Option G – existing path

Option C

- 10 properties, 5 for 50%
- 3.3 Ha – 1.98 (60%)



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Petition Drains – Section 4 Improvements

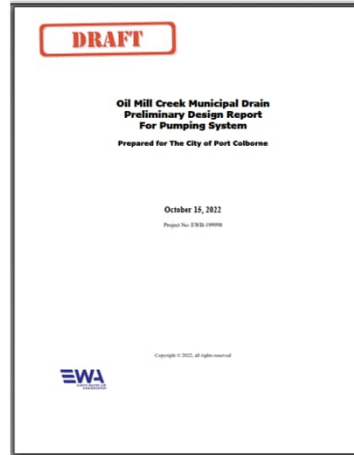
- Petition Drains
 - (a) majority of owners (>50%)
 - (b) more than 60% of the land area
 - (c) required for a road, request by jurisdiction responsible for road.
 - (d) drainage required for agricultural purposes, the Director



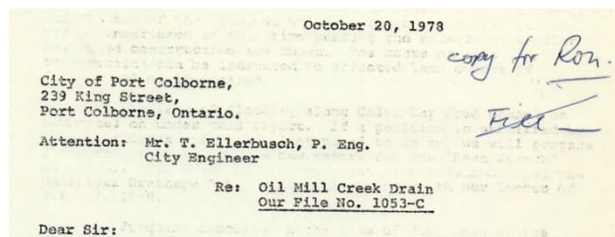
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Return to Pumping

- Minimal Benefit
- Three phase power is required at the pump site.
- Existing discharge and intake pipes are intact but already near the predicted service life.
- Estimate of \$135,000 excluding approvals, pipes and controls.
- Requires 50% of the watershed to sign a petition.



What we are doing





1978 Report Highlights

- Maintenance and culvert replacement.
- Flapgate reduces flow
 - Replace with sluice gate.
- New outlet in lake?
 - Cost prohibitive
- Flooding along Cedar Bay Rd.
 - Petition for new branch.
- Flooding around Vimy Ridge Rd
- Outlet through the park?
 - An open channel would require too much land only a pipe would work. Drifting sand would be a problem.
- Detention area
 - stormwater pond for a 2 year storm – 18 acre-ft (22,200 m³) - 120m x 120m x 1.5m
 - "... we cannot guarantee that it will prevent all flooding."



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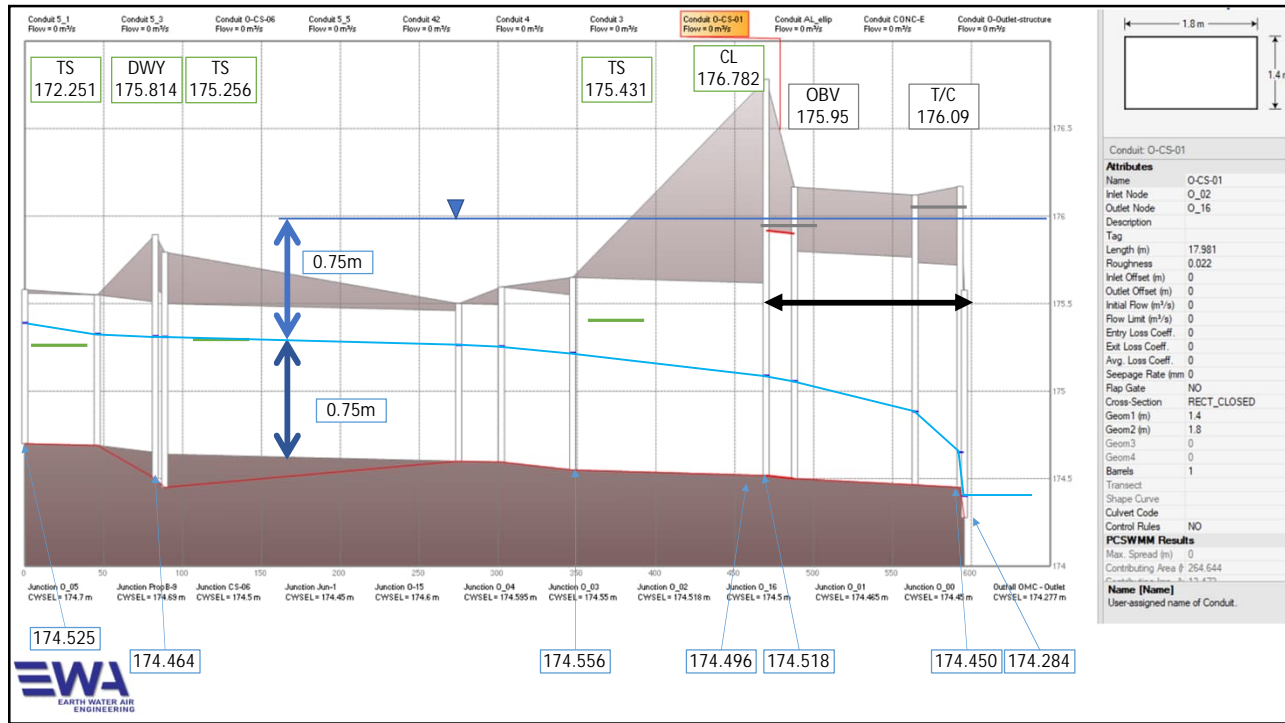


#1 Drain Control Structure

- Control Structure Considerations:
 - Pumping
 - Existing pump structure – hasn't operated for a long time.
- Control Structure Gate flow capacity
 - Runoff flow through openings 1:100 year storm
 - Storm surge level control
 - Modernization - Implementing remote operation
- Site improvements



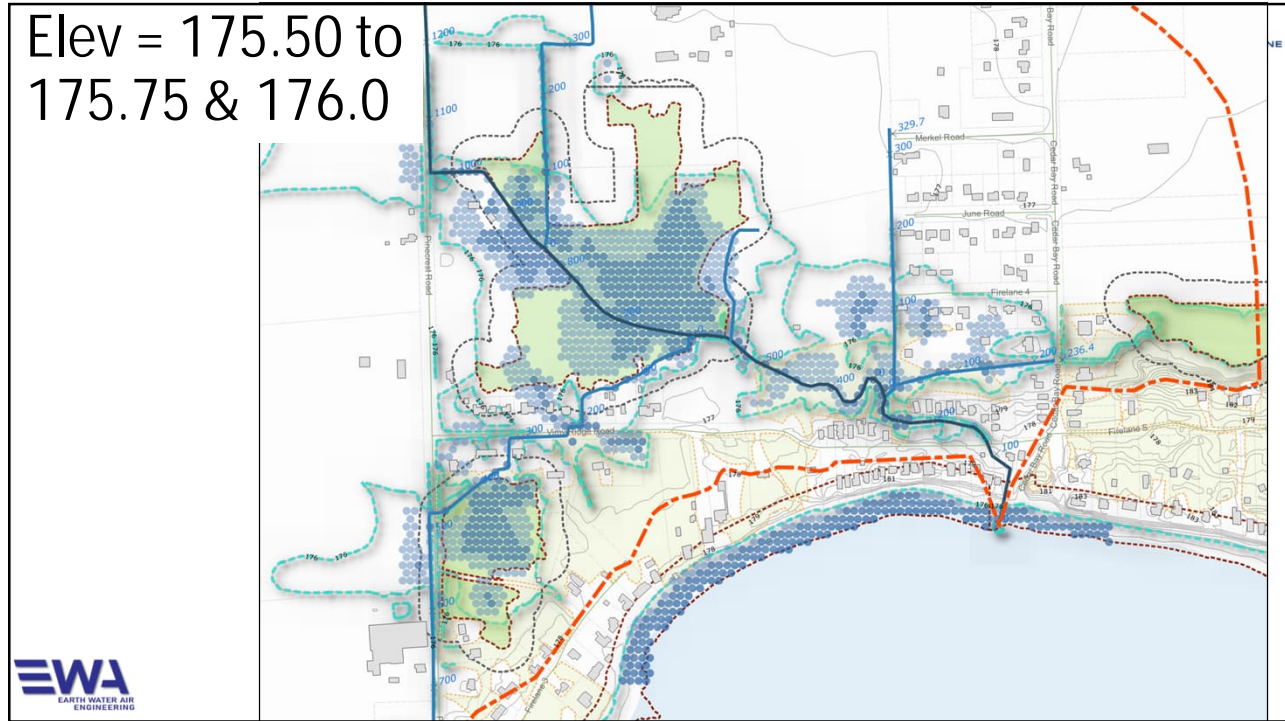
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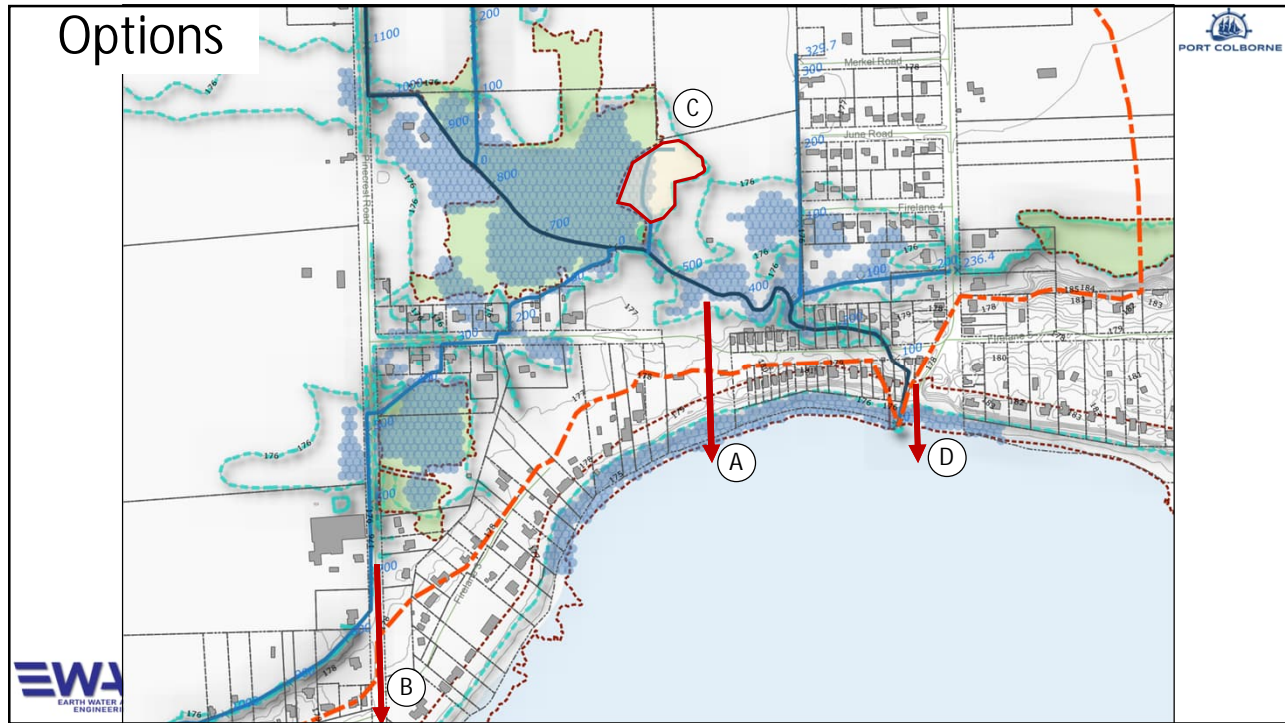
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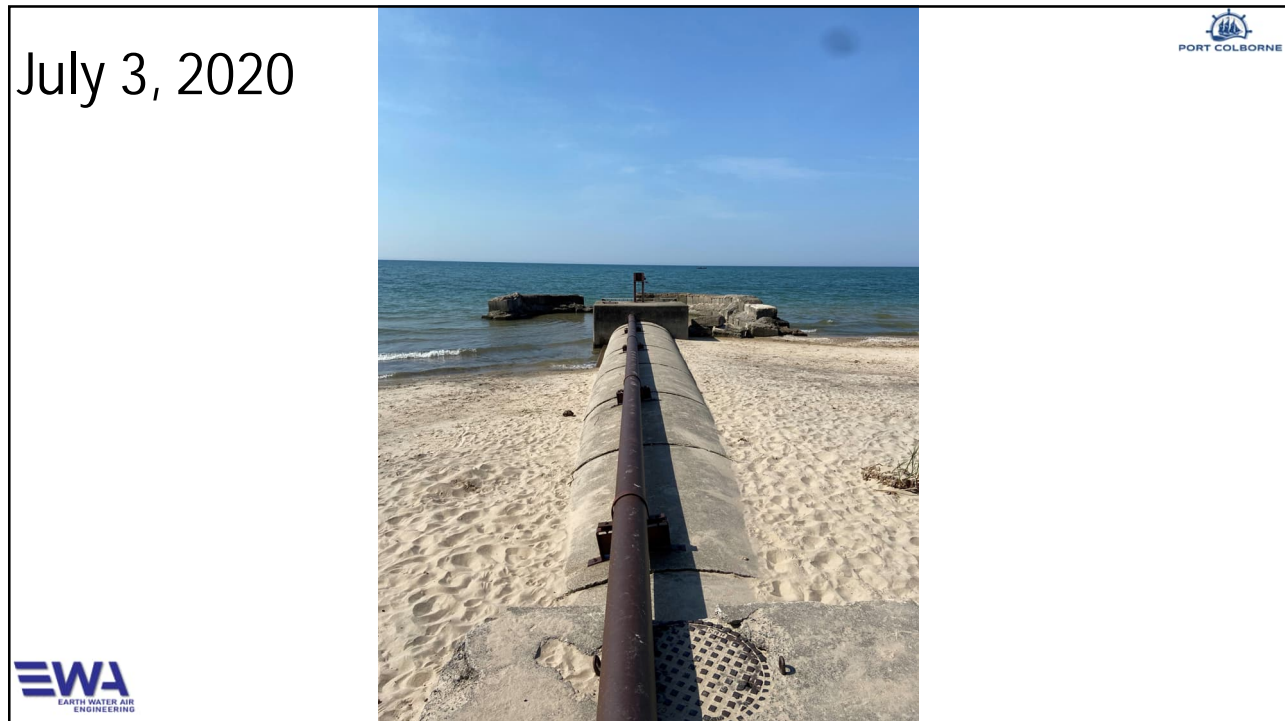
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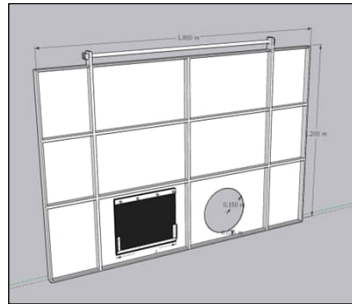
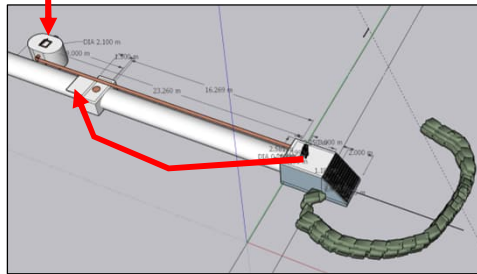


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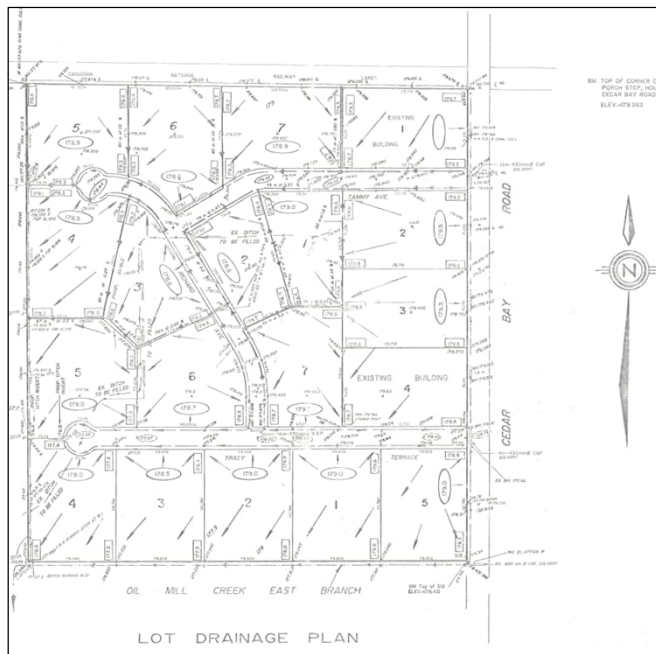
Outlet Gate Changes



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#2 Bell Acres Improvements

Petition 4 Request by Road Authority

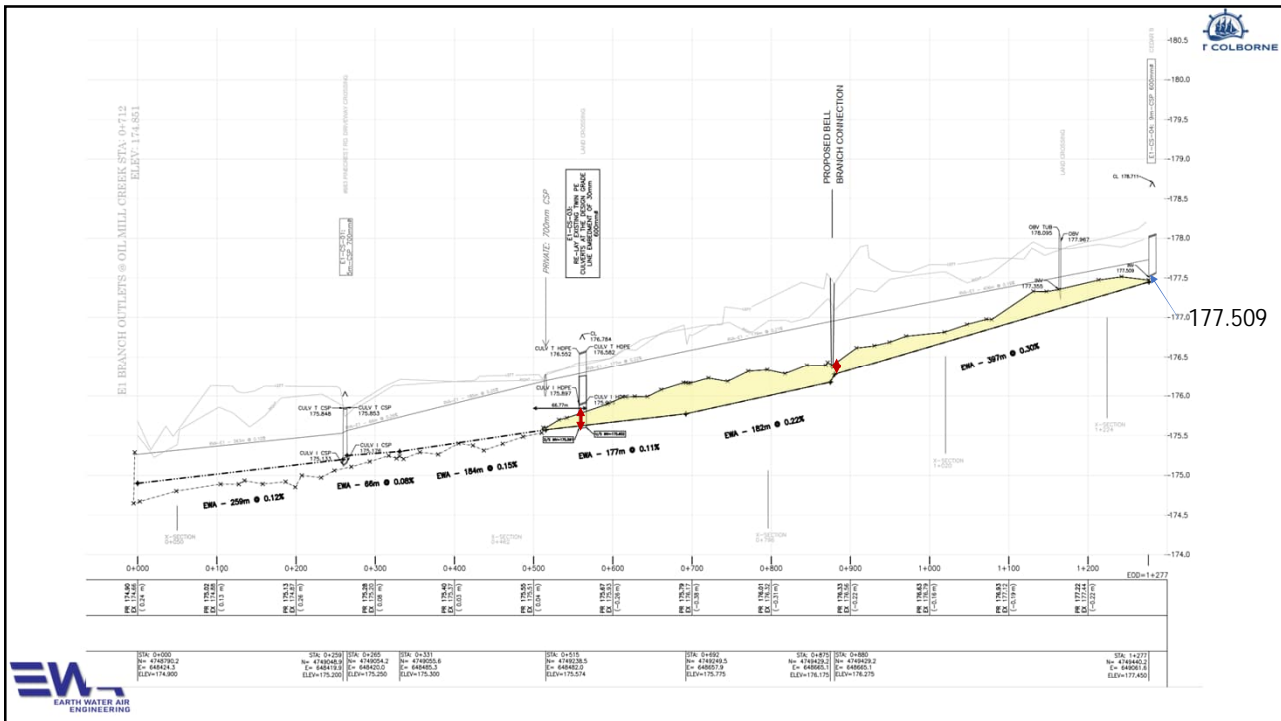


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Petition 4

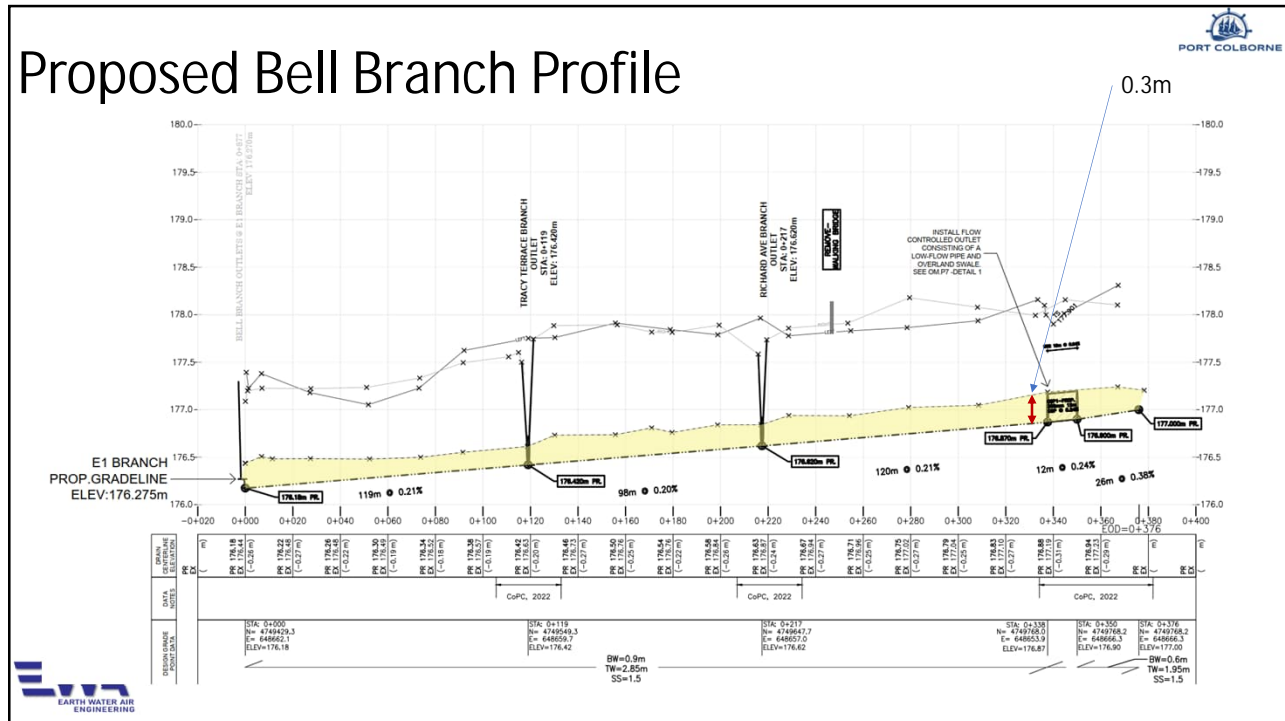


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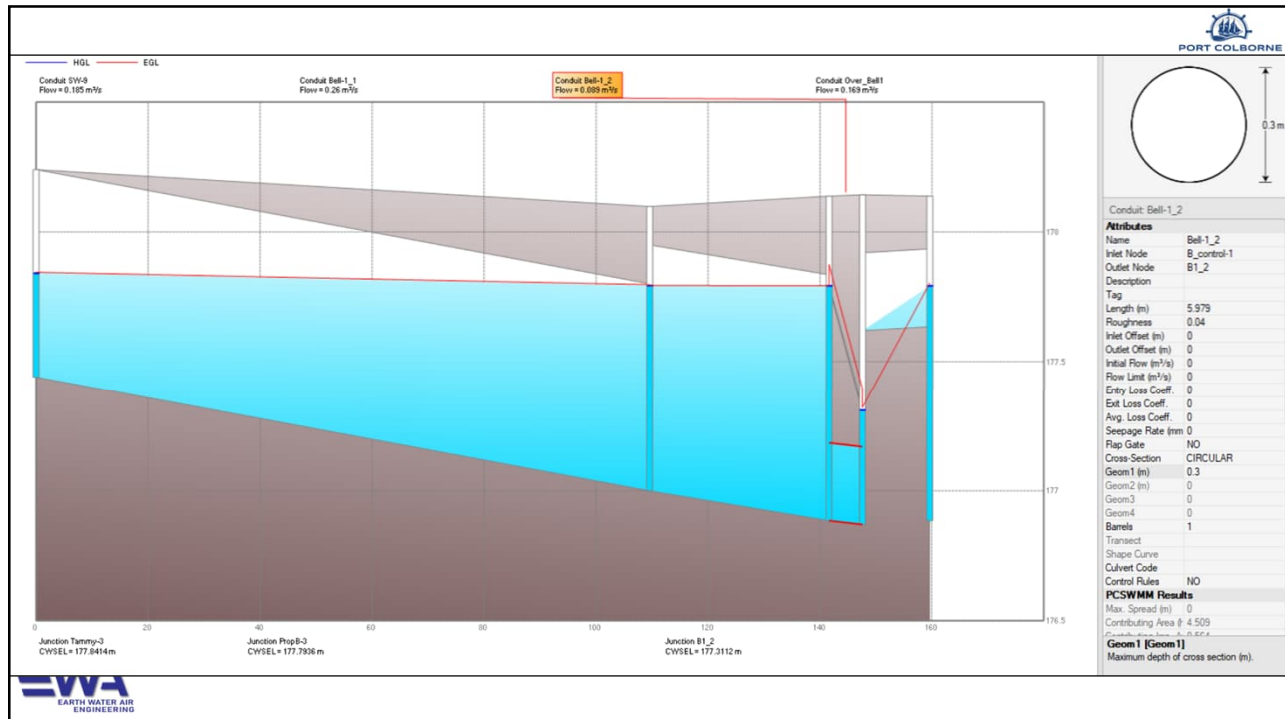


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Proposed Bell Branch Profile

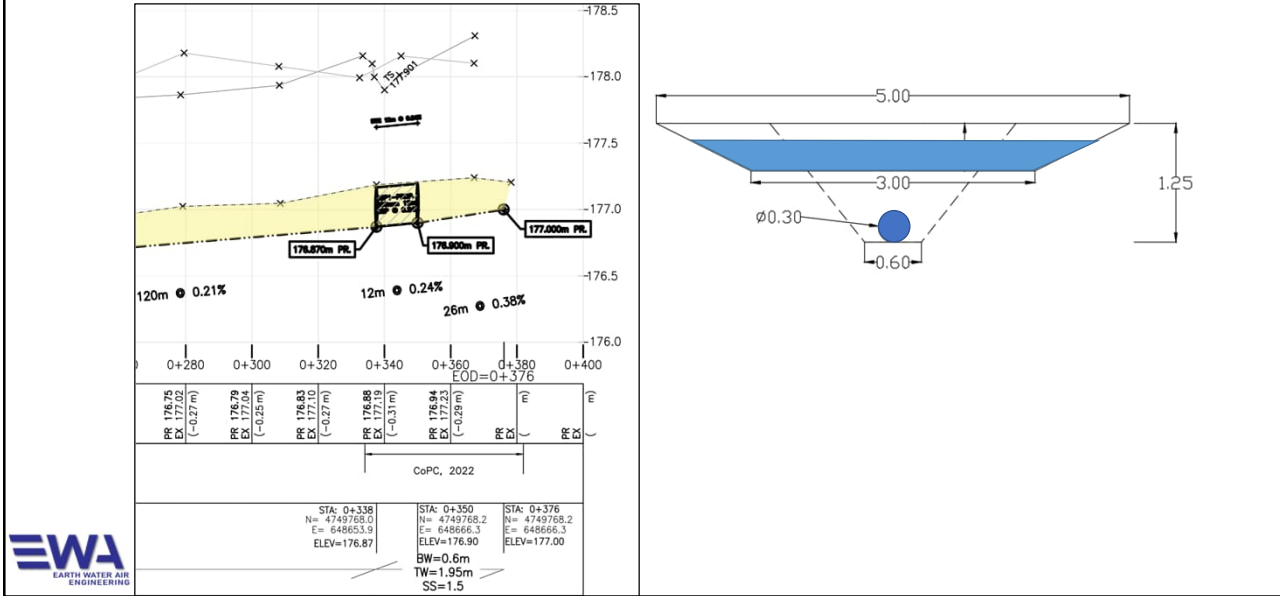


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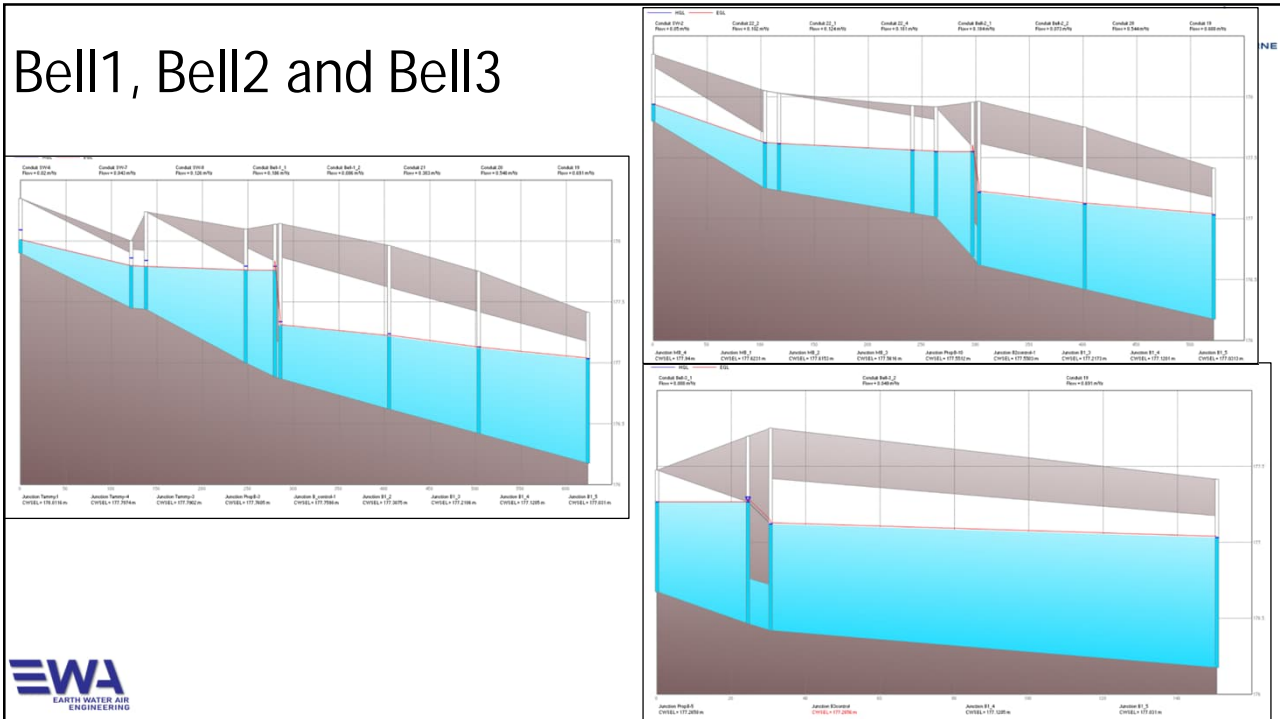
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Flow Controlled Outlet

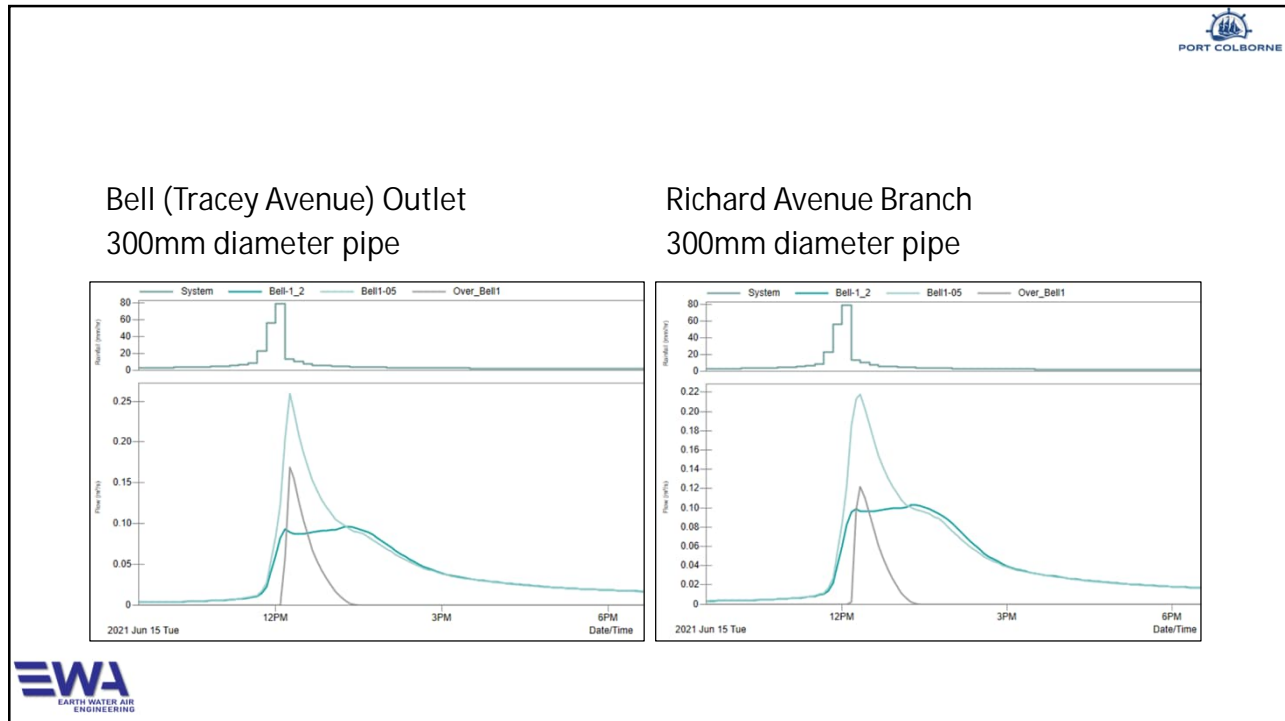


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Bell1, Bell2 and Bell3



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Green Infrastructure

- Rain Gardens
- Infiltration trenches
- Detention swales
- Bio swales

- Sponge City Initiative

Nature based solutions: how nature can help prevent flooding

With climate change driving more and more extreme flooding events, engineers are increasingly turning to nature for solutions.

By [Andrew Griffiths](#) Published: February 22, 2023 at 2:26 pm

Facebook, Twitter, LinkedIn, YouTube, Email


'SuDS', 'green infrastructure' and 'NBS' (Nature-Based Solutions) all refer to the ways in which nature can inspire or assist us when it comes to mitigating the damage caused by extreme flooding events. Andrew Griffiths investigates how we can harness nature to 'slow the flow'.


It was raining when I visited Manchester, fittingly one might say, given its popular image. Fittingly, also, because I was standing in West Gorton Community Park, which includes a lovely [rain garden](#).


What is a rain garden?

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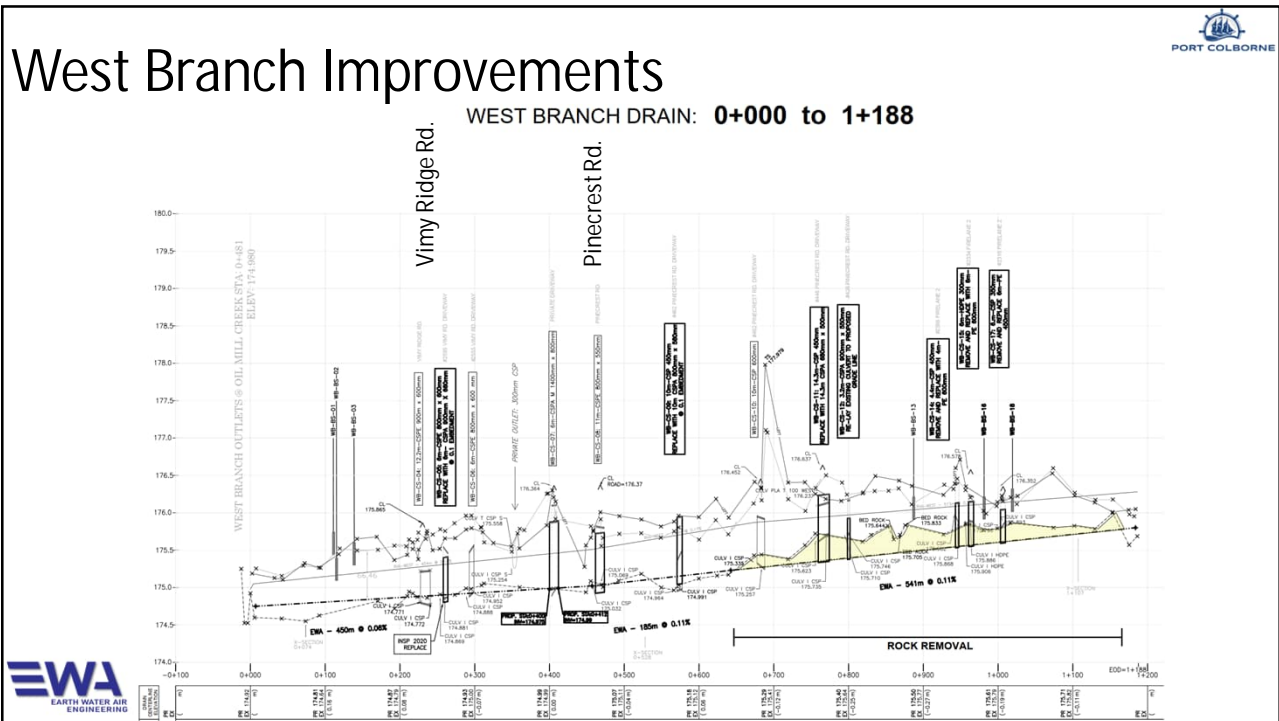
#3 West Branch Improvements







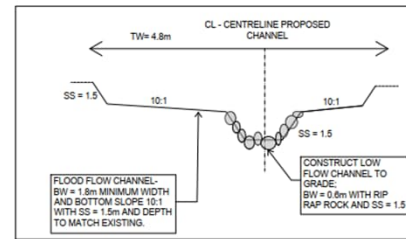
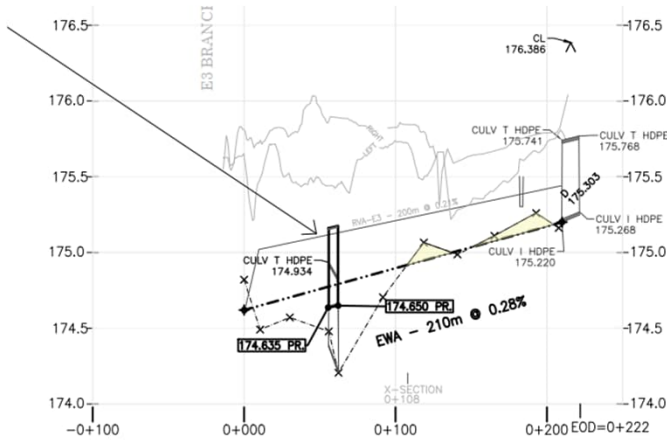
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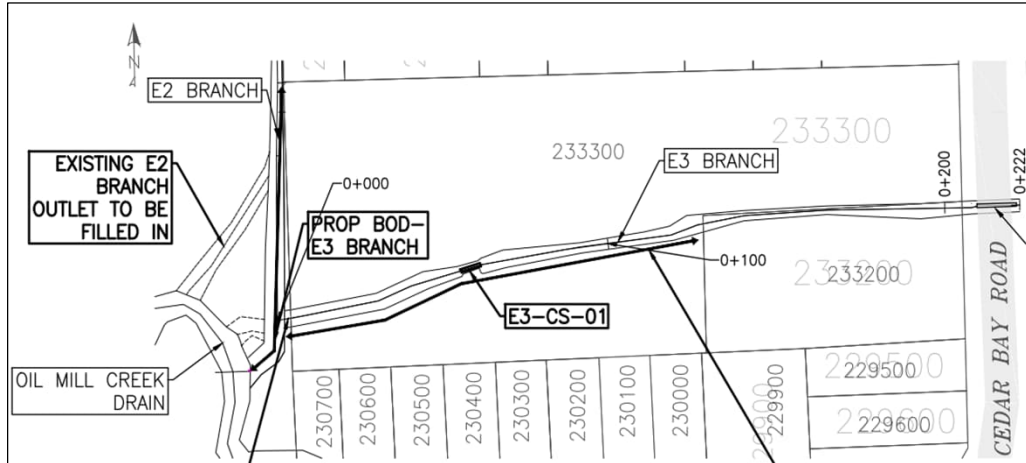
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#4 E3 Branch Bank Erosion

Lower reach channel restoration



E2 & E3 Branch Drain Re-alignment



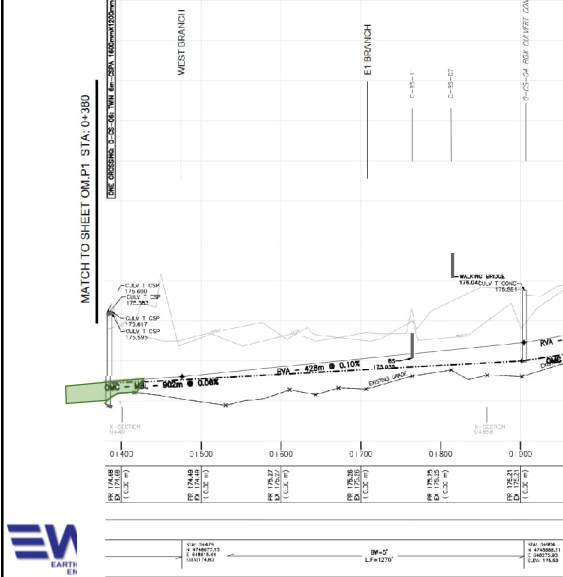
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#5 Centennial Park Wetland



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Oil Mill Creek Design Issues - Existing



- Grade Issues on Main Drain in Lower segments.
 - Riffle & Pool natural design

Tail of Pool, Crest of Riffle – the area at the most downstream end of a pool or the most upstream end of a riffle, where a slow, deep section of river becomes a shallow and fast section. This area is used to estimate pool depths during low flows, because it controls the pool depth by holding water back during low flow periods. The depth of flow on the crest of a riffle can be found by picturing a transect across the highest point of the riffle and measuring the depth at the lowest point (the thalweg) in this line. This is the last place water will drain from the pool.

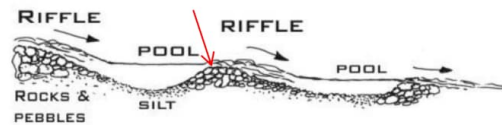
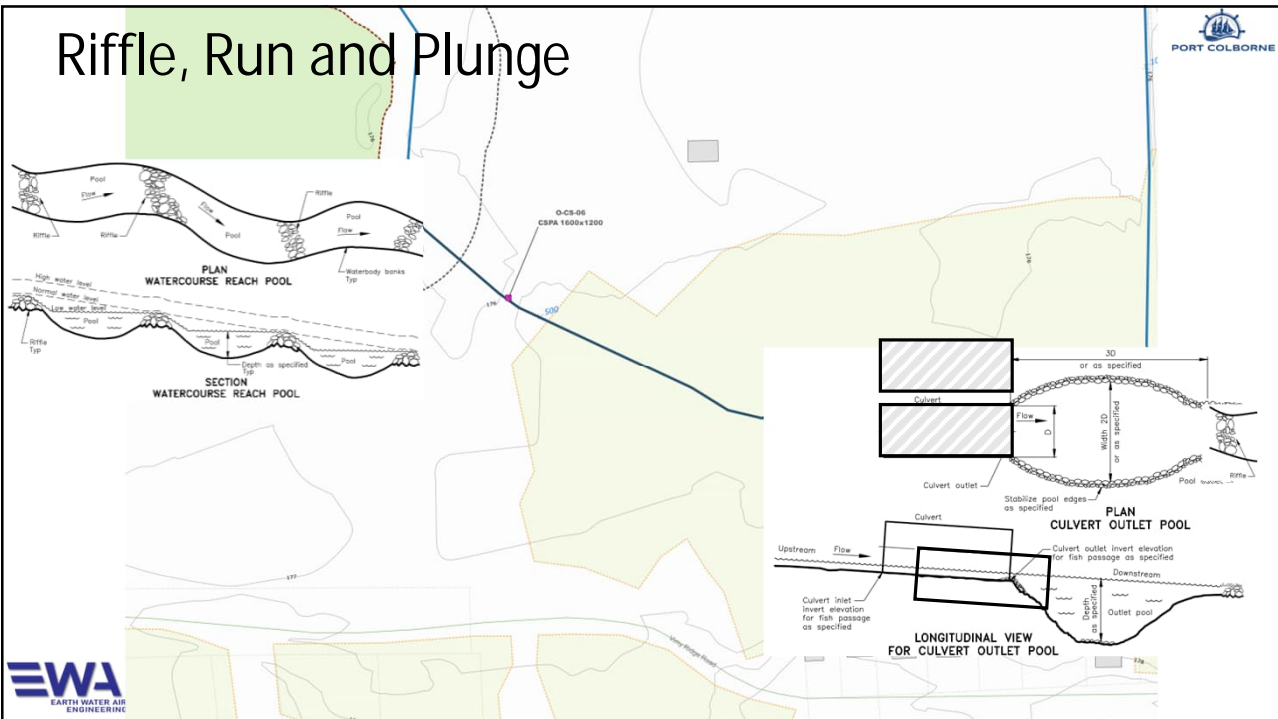
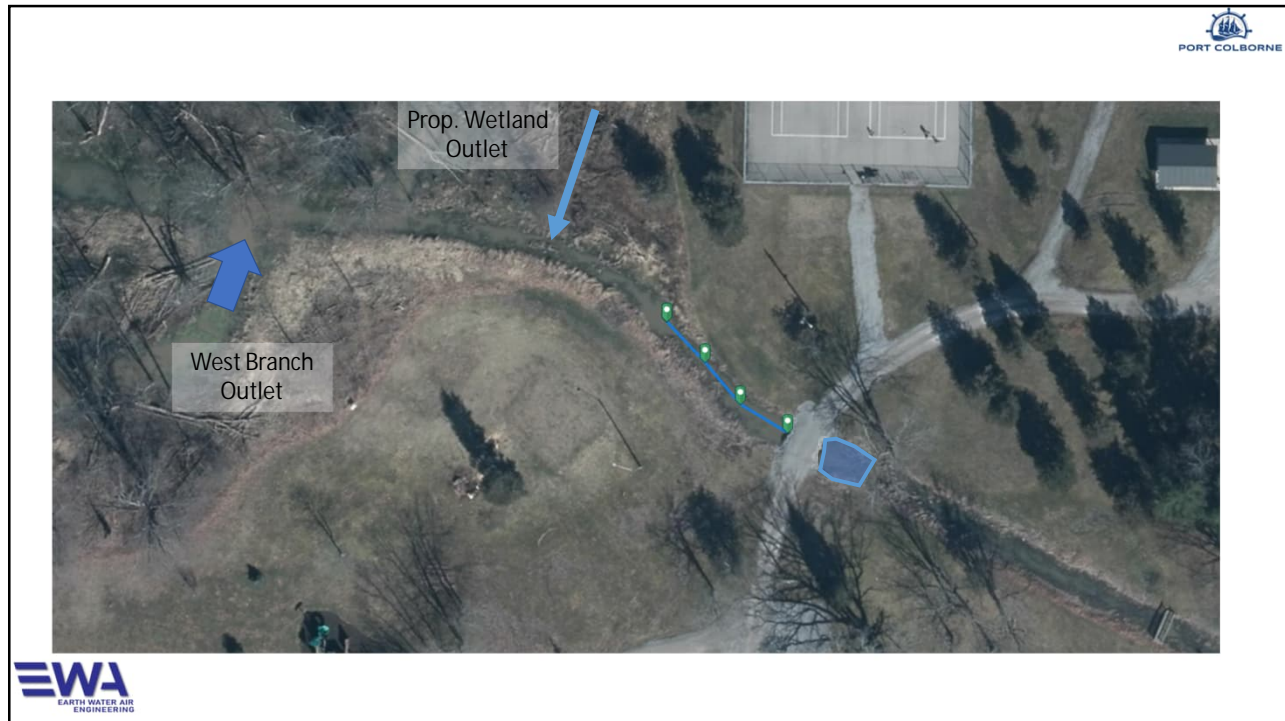


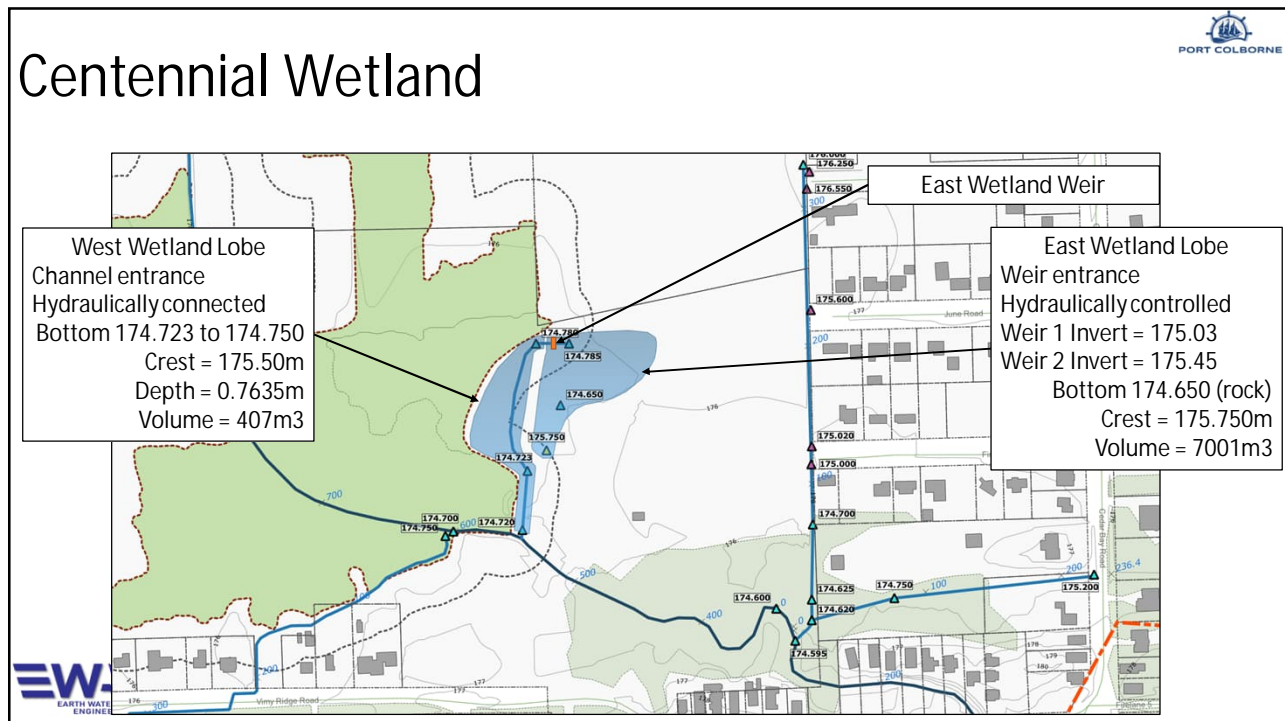
Figure 5 - Where to find the crest of a riffle, tail of a pool

Riffle, Run and Plunge

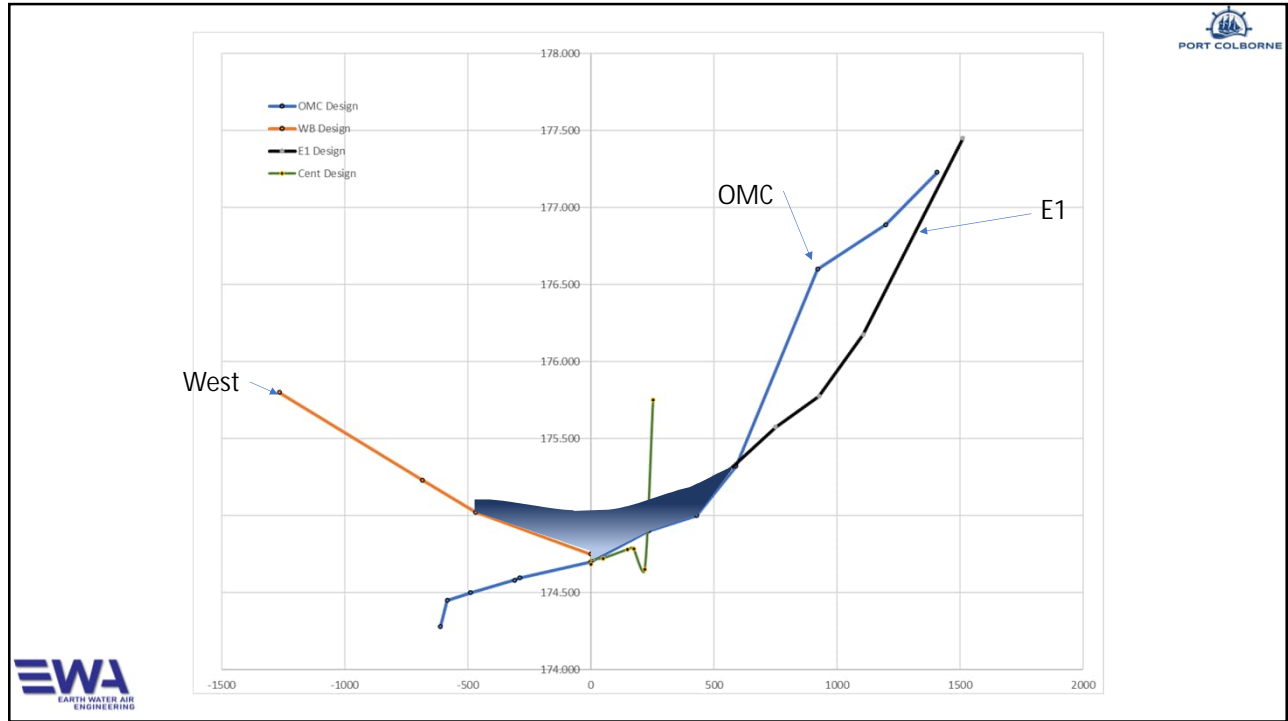




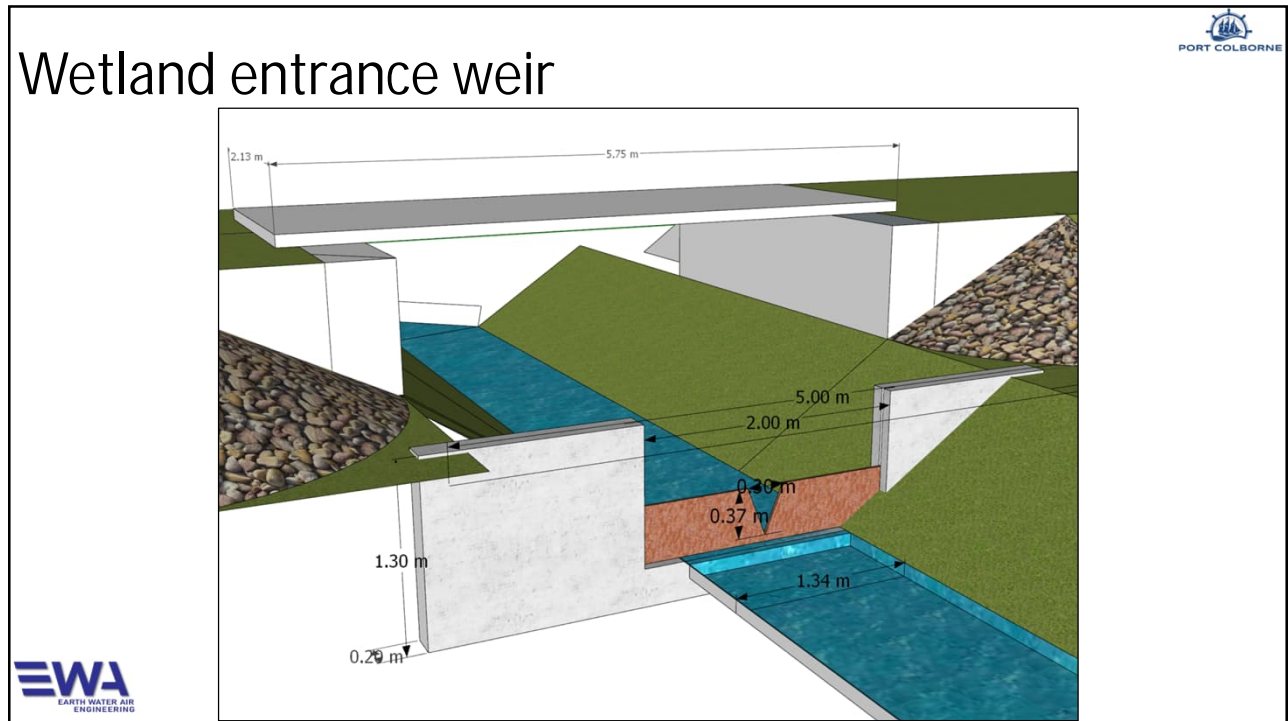
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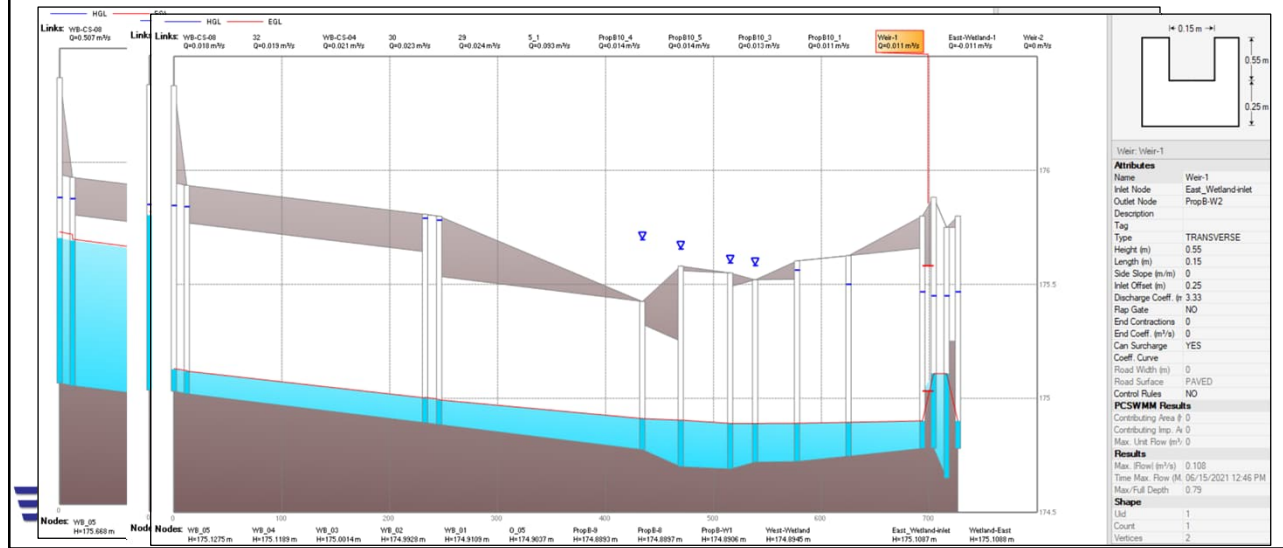


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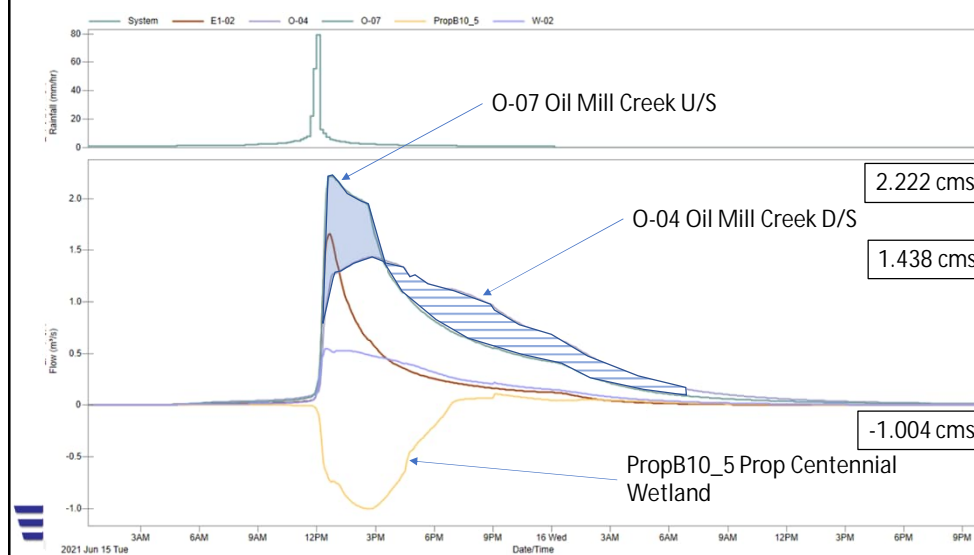
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West Branch and Centennial Wetland

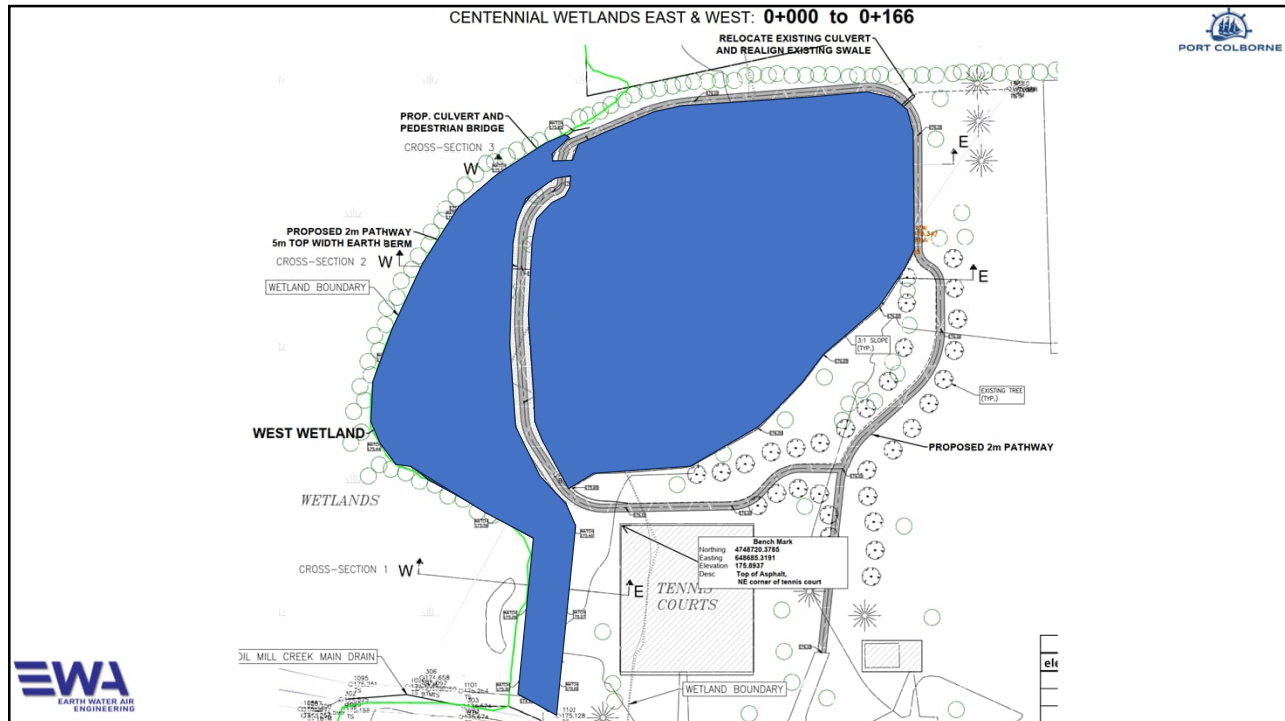


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Runoff Performance



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Improvement Summary

1. Gate improvements: new winch and PE mini flap gates.
2. Lower grade line to improve benefit but controlled outlet as a liability assessment.
3. West Branch rock hump removal.
4. E2, E3 outlet re-alignment and E3 culvert and channel improvement.
5. Channel changes and Centennial Park Wetland
6. Maintenance and culvert replacement or repair.

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Project Cost Estimate

- The project cost is estimated to be \$623,199.
- This includes;
 - \$227,275 of administration and engineering costs
 - \$15,736 in allowances.



The project estimate is split out into main and branch drain costs as follows.

- Construction Management Estimated Costs
\$41,000.00

Section 4 - Petition by Road Authority

- Tammy Outlet of the Proposed Bell Branch Drain
\$4,630.00
- Proposed Bell Branch Drain \$5,070.00
- Proposed Richard Branch Drain \$9,260.00
- Proposed Tracy Branch Drain \$4,405.00

Section 78 - Proposed Improvements for Construction

- OMC Outlet Improvements \$27,637.50
Oil Mill Creek Improvements
- O+360 to O+480 Centennial Wetland
\$124,515.40
- West Branch Improvements - 968m
\$76,360.00

Section 74 - Maintenance Works for Construction

- E3 Branch \$9,445.00
- E2 Branch \$13,300.00
- E1 Branch Drain \$11,975.00
- E1 Drain \$7,455.00
(Cedar Bay Reach)
- OMC \$43,850.00
- Upper Watershed

For a total construction cost of \$378,902.90.





Next Steps

- Engineer's Report:
 - Final Report Oil Mill Creek Drain to Council
- Council Meeting to Consider
 - Report Adoption – Provisional
- Court of Revision (adjust assessment tables only)
- 40-day period for appeals
- By-law is passed –construction of proposed works to proceed



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Thank you

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Alana Vander Veen, Drainage Superintendent,
City of Port Colborne
alana.vanderveen@portcolborne.ca



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Oil Mill Creek Municipal Drain

City of Port Colborne

FOR COMMENT

LEGEND

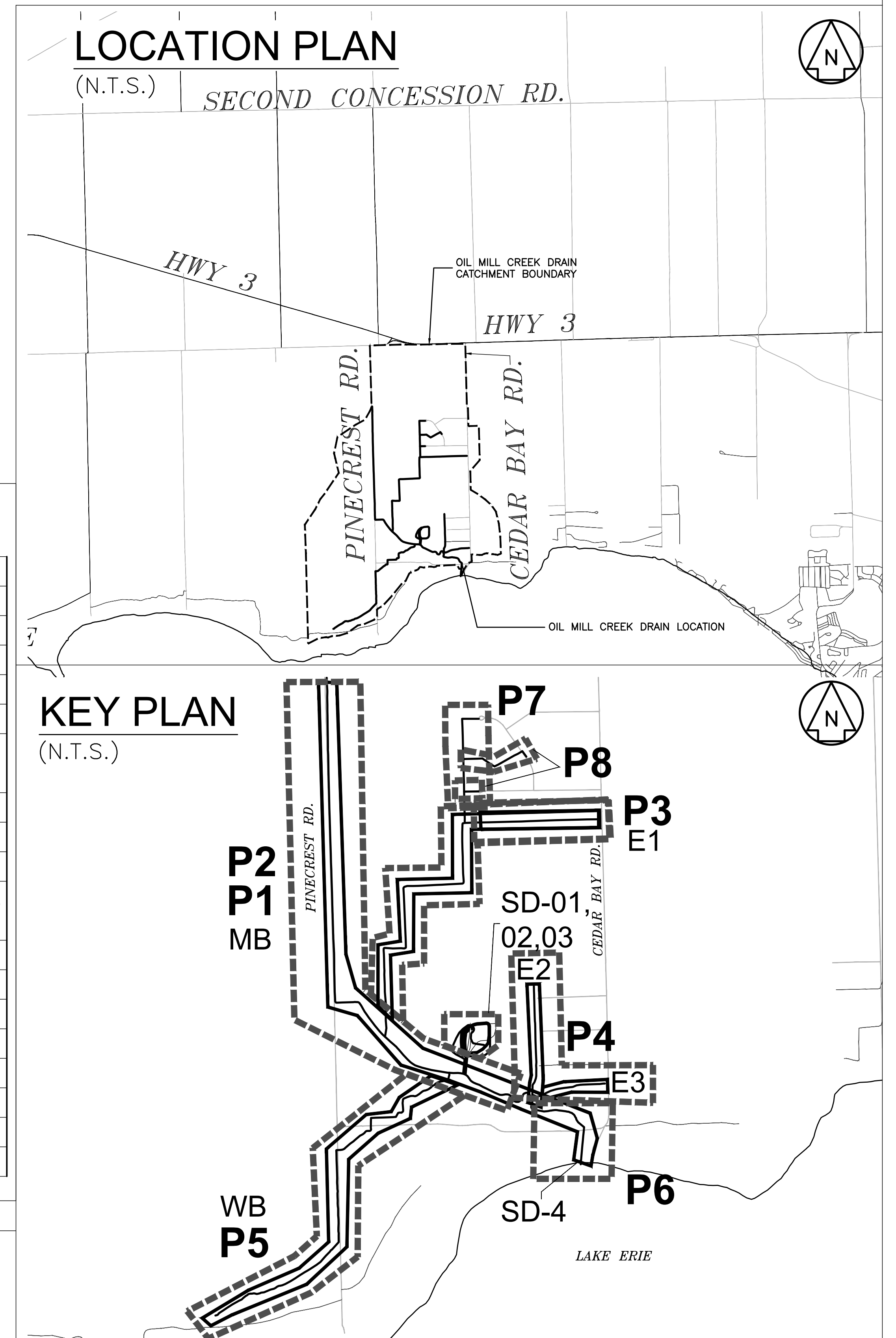
	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE—EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE (RVA, 1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

DRAWING INDEX

DWG I.D.	DWG Title
PLAN	PLAN VIEW
P0	MAIN BRANCH — PROFILE STA: -0+175 to 1+936
P1	MAIN BRANCH — PROFILE STA: -0+150 to 0+300
P2	MAIN BRANCH — PROFILE STA: 0+300 to 1+943 EOD
P3	E1 BRANCH — PROFILE STA: -0+100 to 1+277
P4	E2 BRANCH — PROFILE STA: 0+000 to 0+348 E3 BRANCH — PROFILE STA: -0+100 to 0+222
P5	WEST BRANCH — PROFILE STA: -0+100 to 1+188
P6	OUTLET — PLAN/PROFILE STA: -0+150 to 0+100
P7	PROPOSED BELL BRANCH PLAN AND PROFILE STA: 0+000 to 0+376
P8	PROPOSED TRACY TERRACE BRANCH PLAN AND PROFILE STA: 0+000 to 0+033 PROPOSED RICHARD AVE BRANCH PLAN AND PROFILE STA: 0+000 to 0+230
OM.SD-01	PROPOSED CENTENNIAL WETLANDS PLAN VIEW
OM.SD-02	PROPOSED CENTENNIAL PONDS CROSS SECTIONS EAST & WEST
OM.SD-03	PROPOSED CENTENNIAL PONDS CROSS SECTIONS 1/2/3
OM.SD-04	OUTLET & J BREAK WALL IMPROVEMENTS
GD	GENERAL DETAILS
CN	CONSTRUCTION NOTES

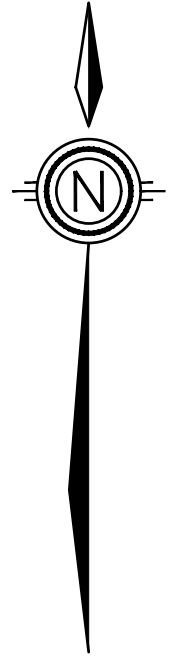
CITY OF PORT COLBORNE
ALANA VANDER VEEN
DRAINAGE SUPERINTENDENT
ENGINEERING AND OPERATIONS CENTRE
1 KILLAY ST W, PORT COLBORNE, ON L3K 2L5
PHONE 905.835.2900 x291
ALANA.VANDERVEEN@PORTCOLBORNE.CA

EWA ENGINEERING INC.
PAUL C. MARSH, P.ENG.
APPOINTED DRAINAGE ENGINEER
27 CHADWICK AVENUE, GUELPH, ON N1H 3E7
PHONE 647.400.2824
PCMARSH@EWAENG.COM



OIL MILL CREEK MUNICIPAL DRAIN - 2022

OIL MILL CREEK DRAIN



PROPOSED 750mm PE DOUBLE WALL 320kPa - 9m CULVERT INSTALLED AS PER GD-05 PLACE BELOW EXISTING NRBN FIBRE.

OMC Drain
End of Drain
N:
E:
Elev:

Bell Branch
End of Drain
N:
E:
Elev:

Richard Avenue Branch
End of Drain
N:
E:
Elev:

Tammy Terrace Branch
End of Drain
N:
E:
Elev:

PROPOSED BELL BRANCH, 376m AS PER OM.7

PROPOSED RICHARD AVE BRANCH, 220m AS PER OM.P8

PROPOSED TRACY TERRACE BRANCH, 60m AS PER OM.P8

E1 Branch
End of Drain
N:
E:
Elev:

E1 BRANCH TO BE RE-GRADED TO THE NEW DESIGN GRADE AND CROSS-SECTION. SEE OM.P3

E2 Branch
End of Drain
N:
E:
Elev:

E3 Branch
End of Drain
N:
E:
Elev:

RECONSTRUCT 110m OF EXISTING DRAIN TO LOW FLOW - FLOOD FLOW CROSS-SECTION. REPLACE EXISTING CULVERT WITH A DOUBLE WALL 525mm D PE CULVERT- 6m WITH 100mm B GRAVEL BEDDING AND TO THE PIPE HAUNCHES.

SEE PRELIMINARY DESIGN REPORT FOR PROPOSED SUBMERSIBLE PUMP IMPLEMENTATION.

REPLACE EXISTING FIXED POSITION STEEL FLAP GATE WITH PASSIVE COMPOSITE STEEL/ PE PASSIVE FLAP GATE. REPLACE LIFTING WINCH

REPAIR AND RESTORE EXISTING 'J' BREAK WALL WITH AN INCREASED 'MOUTH' AREA. SEE OM.SD-4

PROPOSED REGRADE TO DESIGN WITH ROCK REMOVAL TO BW=0.6m. 380m WITH ROCK USED ON SITE AS PER LANDOWNER DIRECTION OR REMOVED TO BE USED WITH THE WETLANDS E & W.

REPLACE 6 CULVERTS AT DESIGN GRADE SIZED AS PER OM.P5. RESTORE ACCESS TO LIKE OR BETTER CONDITION

CENTENNIAL WETLANDS EAST AND WEST. SEE OM.SD-1 & OM.SD-2

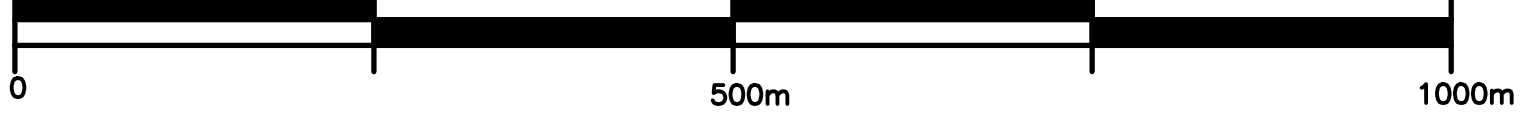
CLEAR VEGETATION AND CLEAN DRAIN BOTTOM TO DESIGN GRADE FOR EXISTING E1 BRANCH DRAIN. 1244m OF MAINTENANCE WORK.

RELAY CONCRETE PIPE AT PROPOSED DESIGN GRADE WITH 50mm EMBEDMENT. COMPLETED WITH CONCRETE PIPE JOINT WITH GROUT OR WITH EQUIVALENT APPROVED SEAL.

CLEAR VEGETATION AND CLEAN DRAIN BOTTOM TO DESIGN GRADE. 500m SECTION 74 IMPROVEMENT.

REPLACE WITH 750mm DOUBLE WALL PE 320 kPa CULVERT TO PROPOSED GRADE LINE WITH 25mm EMBEDMENT 9m CULVERT

West Branch
End of Drain
N:
E:
Elev:



NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

PLAN VIEW LEGEND:

- DRAINAGE AREA BOUNDARY
- DRAIN CENTERLINE
- PROPOSED DRAIN CENTERLINE
- DRAIN CHAINAGE
- ABBREVIATED ROLL NUMBERS
- SITE SPECIFIC DETAIL I.D.
- BOUNDARY OF AREA CAPTURED IN SITE DETAIL

- DRAINAGE WORK PROPOSED
- DRAINAGE WORK COMPLETED - TO BE ASSESSED

BENCHMARK INFORMATION:
• 0+000 OIL MILL CREEK DRAIN LOCATED ON NORTH EAST CORNER OF HEADWALL (0-CS-001)

5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021
NO.	REVISION DESCRIPTION	DATE

DRAFT
OIL MILL CREEK DRAIN PLAN

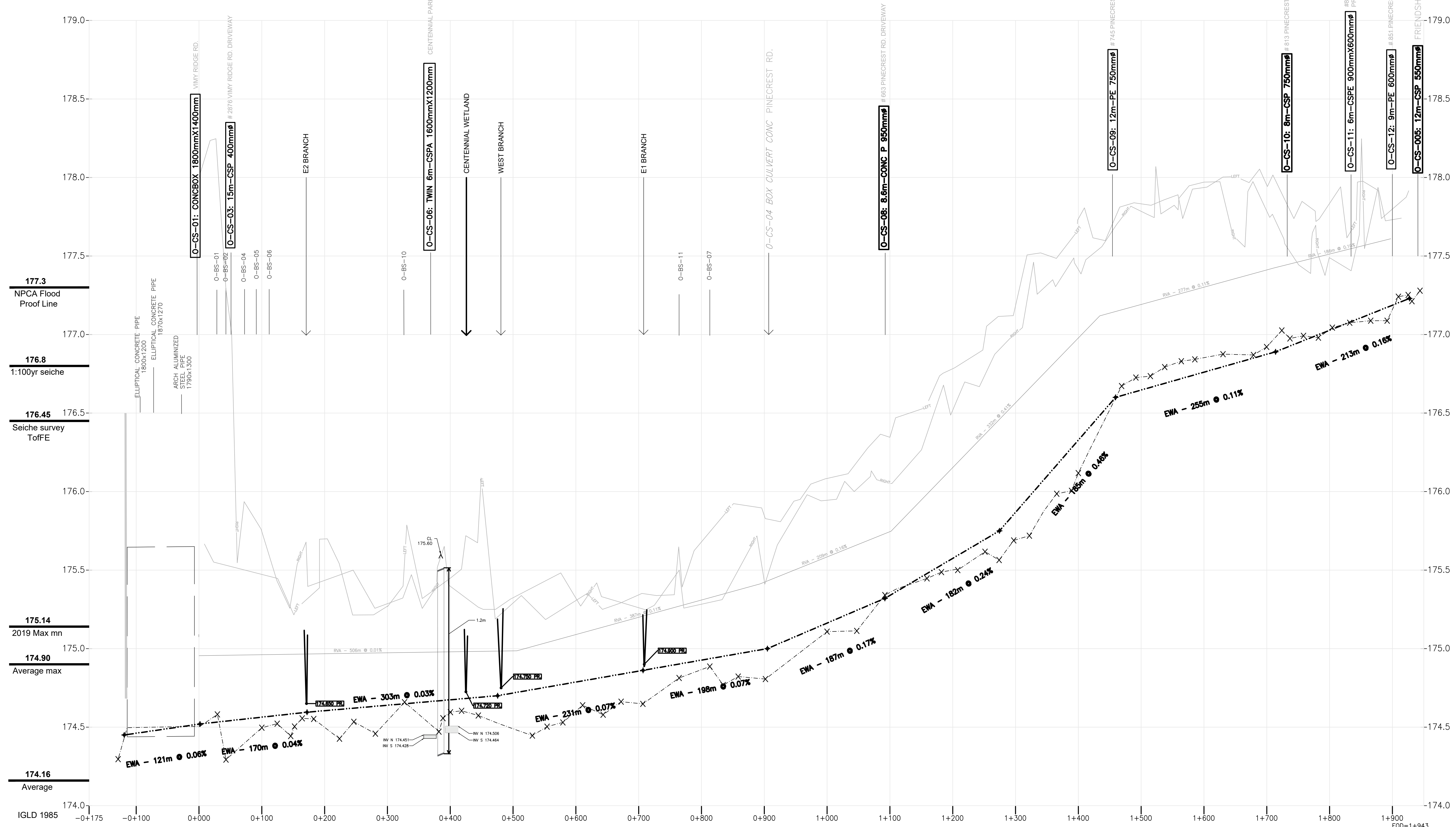


DRAWN BY: KD	APPROVED BY: PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.PLAN
DESIGNED BY: PCM	DATE : 07-SEP-23	SCALE : F.T.P.	

OIL MILL CREEK DRAIN: -0+175 to 1+943

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT



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- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE R/W, 1979
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021
NO.	REVISION DESCRIPTION	DATE

OIL MILL CREEK MUNICIPAL DRAIN PROFILE STA -0+130 to 1+943

CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	CONSTRUCTION DISTANCE (M)	
0+119	0+402	0+472	0+475	0+707	0+905	1+092	1+274	1+459	1+714	1+927
N= 4748433.2 E= 649012.5 ELEV=174.45	N= 4748540.3 E= 648996.4 ELEV=174.52	N= 4748597.6 E= 648864.3 ELEV=174.60	N= 4748677.1 E= 6488615.6 ELEV=174.70	ELEV=174.86	N= 474888.1 E= 648276.0 ELEV=175.00	N= 4749048.7 E= 648271.2 ELEV=175.32	N= 4749184.9 E= 648267.9 ELEV=175.75	N= 4749380.0 E= 648261.7 ELEV=176.60	N= 4749657.2 E= 648254.0 ELEV=176.89	N= 4749860.5 E= 648250.5 ELEV=177.23
EX. ELLIPTICAL PIPE DESIGN Q = 1.8 Q ACT = 0.88		DESIGN Q = 1.8 Q ACT = 2.2		DESIGN Q = 1.75 Q ACT = 2.6		DESIGN Q = 1.2 Q ACT = 2.3		DESIGN Q = 1.2 Q ACT = 1.5		
SECTION 78 - PROPOSED OUTLET IMPROVEMENTS		SECTION 78 -20m OF GRADE IMPROVEMENTS UPSTREAM -15m OF GRADE IMPROVEMENT DOWNSTREAM				SECTION 74 - 500m OF GRADE MAINTENANCE				



DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.PO
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE : FIT TO PAGE	

OIL MILL CREEK DRAIN: -0+150 to 0+380

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DRAFT

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LEGEND

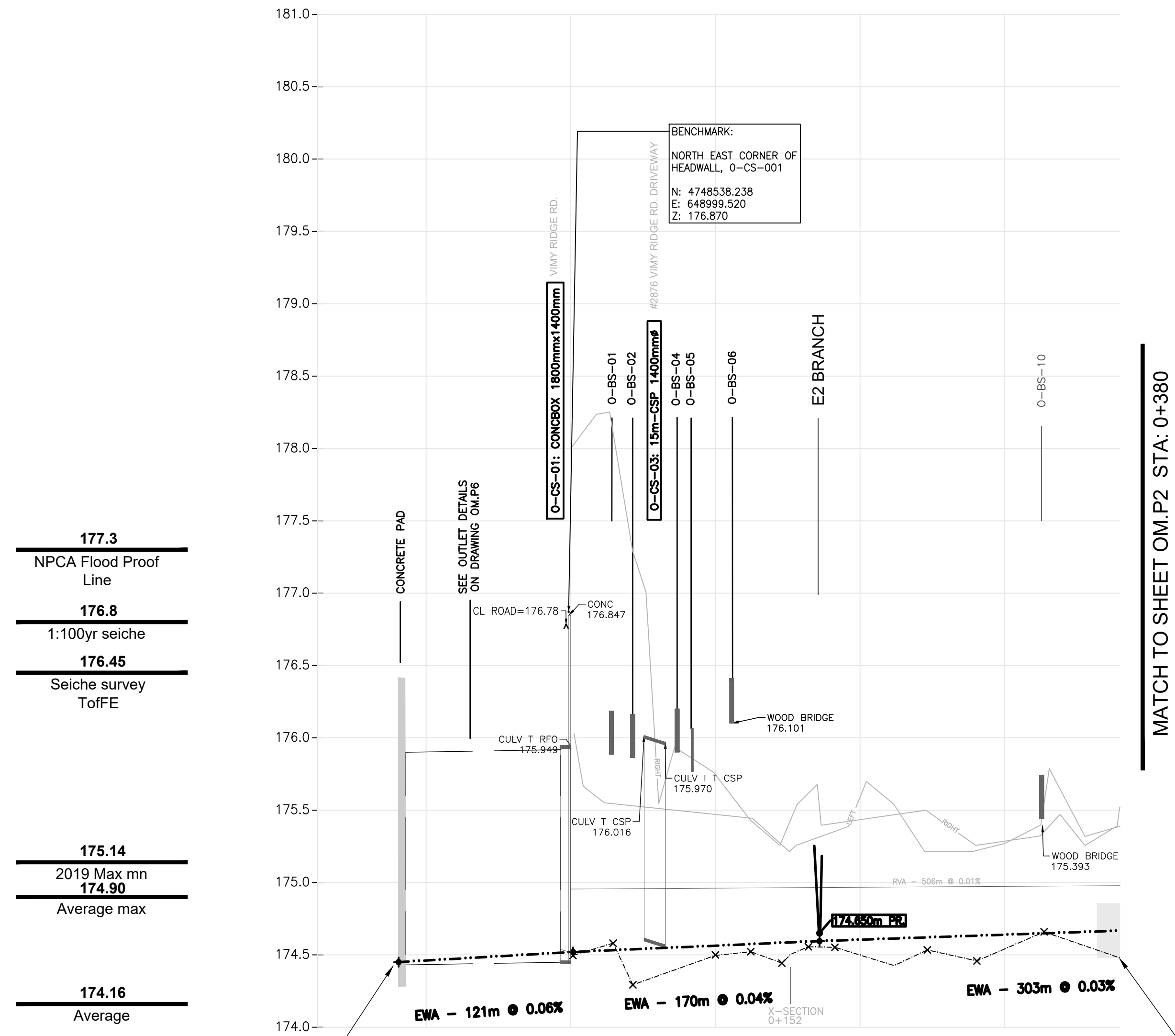
	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
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	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
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2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

OIL MILL CREEK MUNICIPAL DRAIN PROFILE STA -0+150 to 0+380



DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P1
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE : H=1:2500 V=1:25	



177.3	NPCA Flood Proof Line
176.8	1:100yr seiche
176.45	Seiche survey TofFE
175.14	2019 Max mn
174.90	Average max
174.16	Average
173.33	Average min
IGLD 1985	

SEE OUTLET IMPROVEMENT DRAWING FOR DETAILS ON OIL MILL CREEK OUTLET IMPROVEMENT.

PROPERTY NO. / R.F.D.	CONSTRUCTION NOTES	DESIGN GRADE POINT DATA	DATA POINTS	DRAIN CENTERLINE ELEVATION
0+000	OUTLET IMPROVEMENT SEE DWG OMC-SD-3	CoIPc, 2020 STA: -0+119 N= 4748643.2 E= 648912.5 ELEV=174.450	PR 174.46 (m)	
0+014.8		CoIPc, RTK STA: 0+002 N= 47485540.3 E= 648996.4 ELEV=174.520	PR 174.52 (m)	
0+018		GPS 2023 STA: 0+172 N= 4748597.6 E= 648864.3 ELEV=174.595	PR 174.56 (0.07 m)	
0+172	NO ADDITIONAL EXCAVATION SPOT VEGETATION REMOVAL ONLY - 36.3m		PR 174.60 (0.11 m)	
0+300	15m RIFLE AND POOL CONSTRUCTION OPSD 222.060		PR 174.64 (0.10 m)	

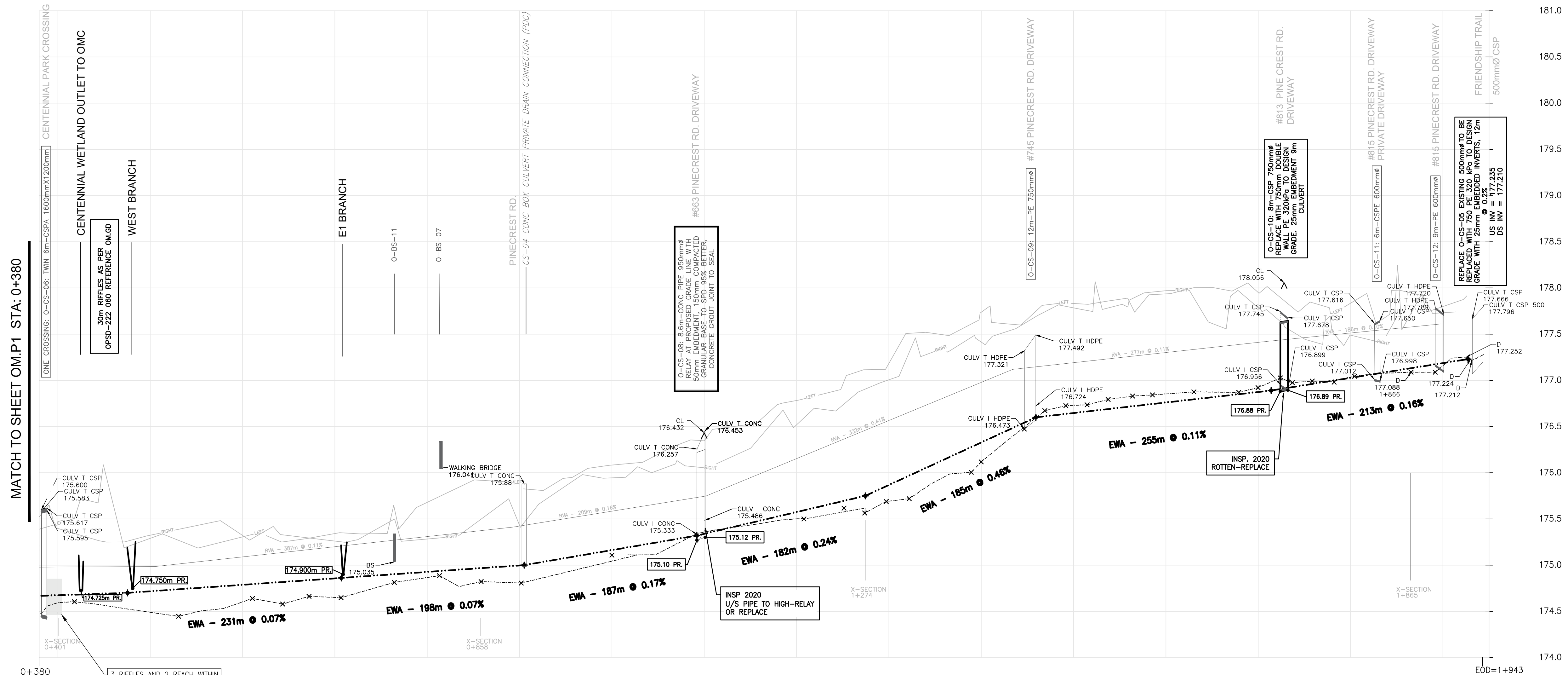
POOL AND RIFLE WITHIN EXISTING CHANNEL TO DESIGN GRADE FOR A CHANNEL LENGTH OF 15m. SINGLE POOL IMMEDIATELY DOWNSTREAM OF EXISTING CULVERTS. SEE OPSD 222.050 & 222.060

MATCH TO SHEET OM.P2 STA: 0+380

OIL MILL CREEK : 0+380 to 1+943

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LEGEND

	EXISTING DITCH BOTTOM (NCPA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	BANK POINT FROM HISTORICAL DESIGN GRADELINE (RVA, 1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
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OIL MILL CREEK MUNICIPAL DRAIN PROFILE STA 0+300 to 1+943

STATION	PROPOSED GRADE ELEVATION	EXISTING GRADE ELEVATION	DATA NOTES	DESIGN GRADE POINT DATA	CONSTRUCTION NOTES	PROPERTY INFO
0+400	PR 174.67 EX 174.59 (0.08 m)					
0+500	PR 174.72 EX 174.60 (0.25 m)			STA: 0+475 N= 4748577.1 E= 648615.6 ELEV=174.700		
0+600	PR 174.79 EX 174.60 (0.19 m)					
0+700	PR 174.86 EX 174.65 (0.21 m)			STA: 0+707 N= 4748578.8 E= 648424.21 ELEV=174.862	BW=3.0m TW=5.55m SS=1.5	
0+800	PR 174.93 EX 174.87 (0.06 m)					
0+900	PR 175.00 EX 174.81 (0.19 m)			STA: 0+905 N= 4748588.1 E= 648276.0 ELEV=175.000		
1+000	PR 175.16 EX 175.04 (0.12 m)				BW=2.4m TW=4.95m SS=1.5	
1+100	PR 175.34 EX 175.36 (-0.02 m)			STA: 1+092 N= 4748598.7 E= 648271.2 ELEV=175.320		
1+200	PR 175.57 EX 175.50 (0.07 m)					
1+300	PR 175.87 EX 175.69 (0.18 m)			STA: 1+274 N= 4749194.9 E= 648267.9 ELEV=175.750	BW=2.0m TW=4.55m SS=1.5	
1+400	PR 176.33 EX 176.12 (0.21 m)					
1+500	PR 176.65 EX 176.73 (-0.08 m)			STA: 1+459 N= 4748330.0 E= 648261.7 ELEV=176.600		
1+600	PR 176.76 EX 176.66 (0.09 m)				BW=1.2m TW=3.75m SS=1.5	
1+700	PR 176.87 EX 176.97 (-0.09 m)			STA: 1+714 N= 4748657.2 E= 648254.0 ELEV=176.890		
1+800	PR 177.03 EX 177.03 (0.00 m)					
1+900	PR 177.19 EX 177.19 (0.00 m)			STA: 1+927 N= 4748660.5 E= 648250.5 ELEV=177.230	BW=1.2m TW=3.75m SS=1.5	

NO ADDITIONAL EXCAVATION
SPOT VEGETATION AND FLOW OBSTRUCTION REMOVAL ONLY- 682m

RELAY EXISTING CULVERT ON GRADE

NO ADDITIONAL EXCAVATION
SPOT VEGETATION AND FLOW OBSTRUCTION REMOVAL ONLY- 367m

RECONSTRUCT TO PROPOSED GRADE LINE AND CHANNEL DESIGN- 468m

REPLACE EXISTING CULVERT WITH NEW PE DOUBLE WALL 750mm-8m WORK ZONE - EAST SIDE.

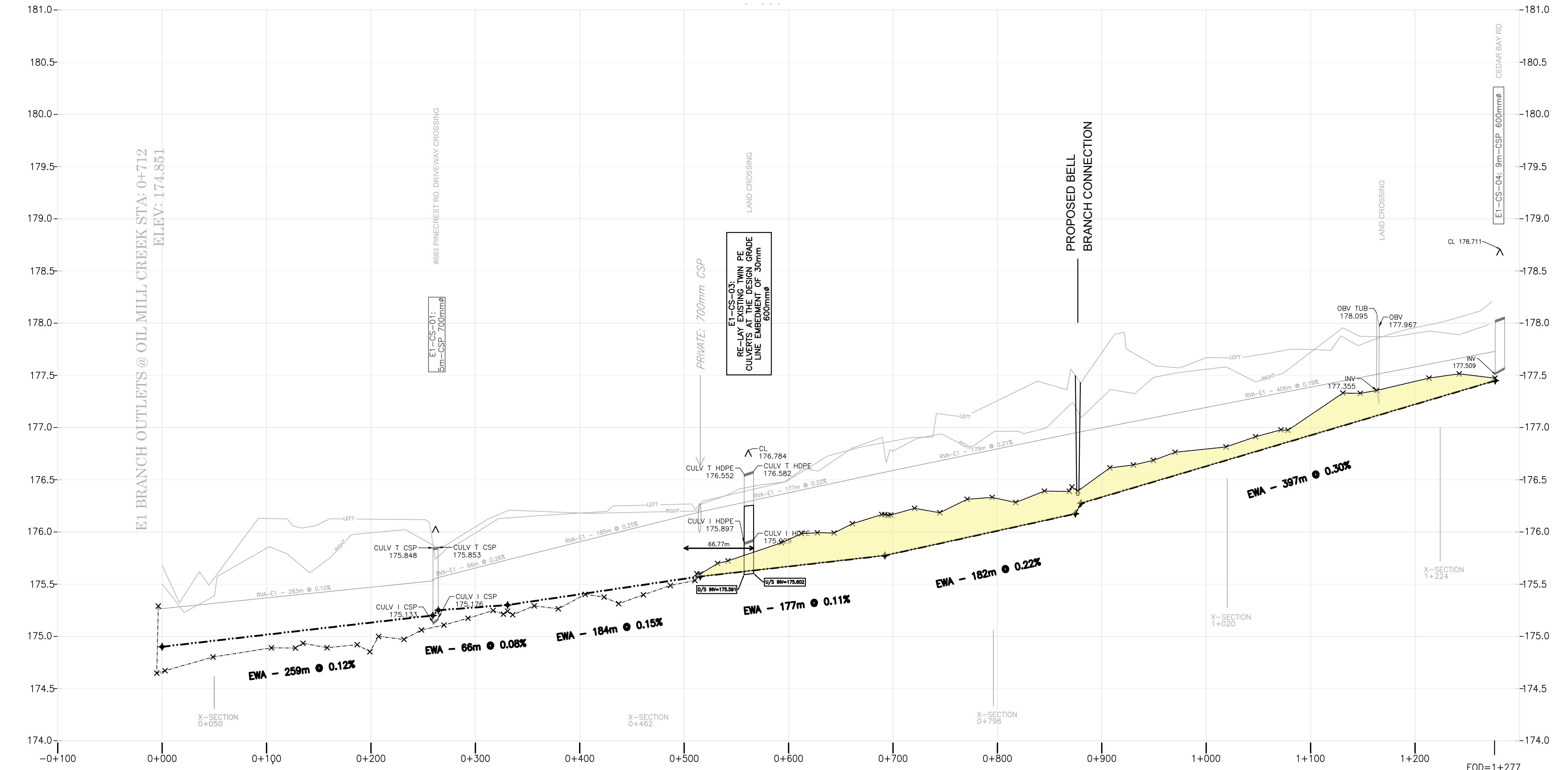
ROW PINECREST 1,026.9m

ROW FRIENDSHIP TRAIL 13.5m



DRAWN BY: KD	APPROVED BY: PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P2
DESIGNED BY: PCM	DATE : 07-SEP-23	SCALE : H=1:2500 V=1:25	

E1 BRANCH: 0+000 to 1+277



DRAIN CENTERLINE (METERS)	DATA NOTES	DESIGN GRADE (METERS)	CONSTRUCTION NOTES	PROPOSED ELEV. (METERS)
PR 174.90 EX 174.88 (-0.02)				
PR 175.02 EX 174.88 (-0.13)				
PR 175.13 EX 174.87 (-0.26)				
PR 175.26 EX 174.87 (-0.38)				
PR 175.40 EX 175.37 (-0.03)				
PR 175.55 EX 175.51 (-0.04)				
PR 176.07 EX 175.81 (-0.26)				
PR 176.79 EX 176.32 (-0.47)				
PR 176.83 EX 176.32 (-0.51)				
PR 177.29 EX 177.44 (+0.15)				
PR 177.44 EX 177.44 (0.00)				

STA	N	E	ELEV
0+000	4748790.2	648424.3	174.900
0+259	4749048.9	648419.9	175.200
0+285	4749054.2	648420.0	175.250
0+331	4749055.6	648485.3	175.300
0+515	4749238.5	648482.0	175.574
0+692	4749249.5	648657.9	175.775
0+875	4749429.2	648665.1	176.175
0+880	4749429.2	648665.1	176.275
1+277	4749440.2	649061.6	177.450

SECTION	DESCRIPTION	LENGTH (M)	WORK ZONE
SECT. 74	MAINTENANCE OF EXISTING DRAIN TO PROPOSED GRADE LINE FOR 515m.	515	EAST
SECT. 78	PROPOSED IMPROVED GRADE LINE. RECONSTRUCT TO GRADE LINE AND CHANNEL DESIGN 762m.	762	SOUTH

PROFILE VIEW
SCALE H=1:2500 V=1:25

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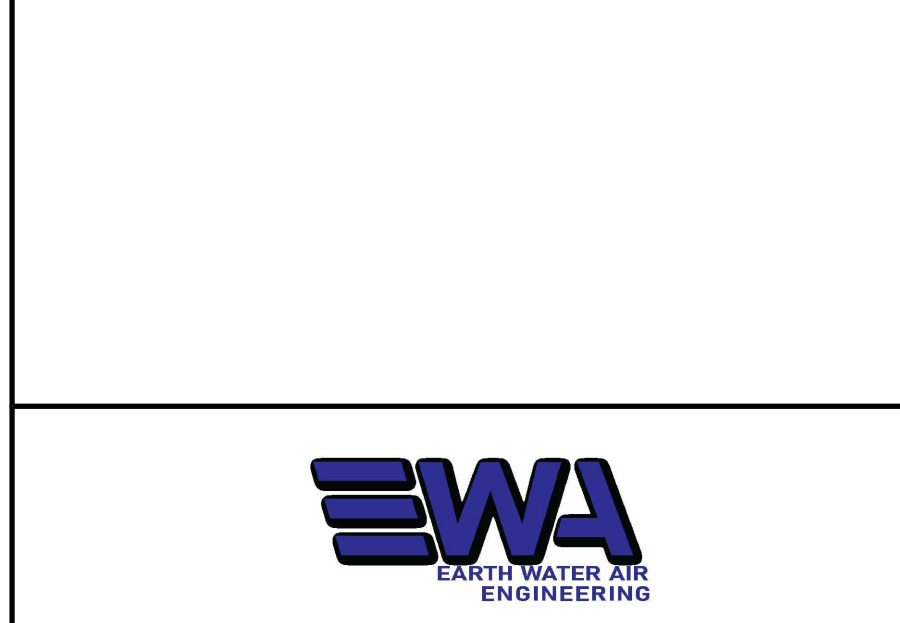
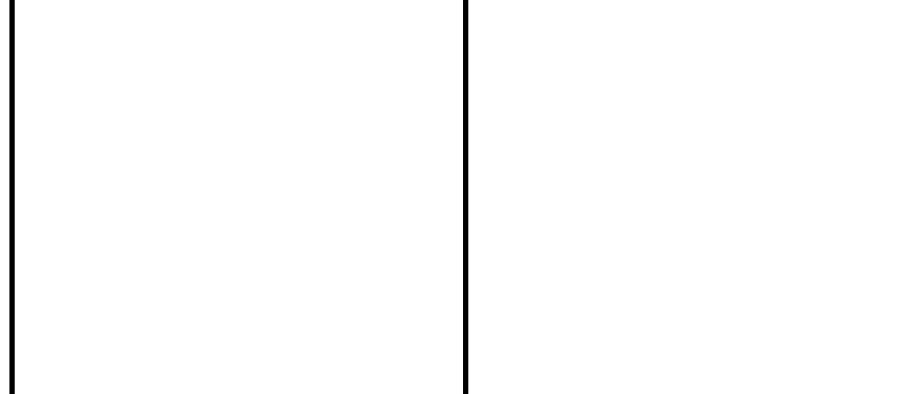
LEGEND

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	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
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OIL MILL CREEK E1 BRANCH DRAIN PROFILE

STA 0+000 to 1+277



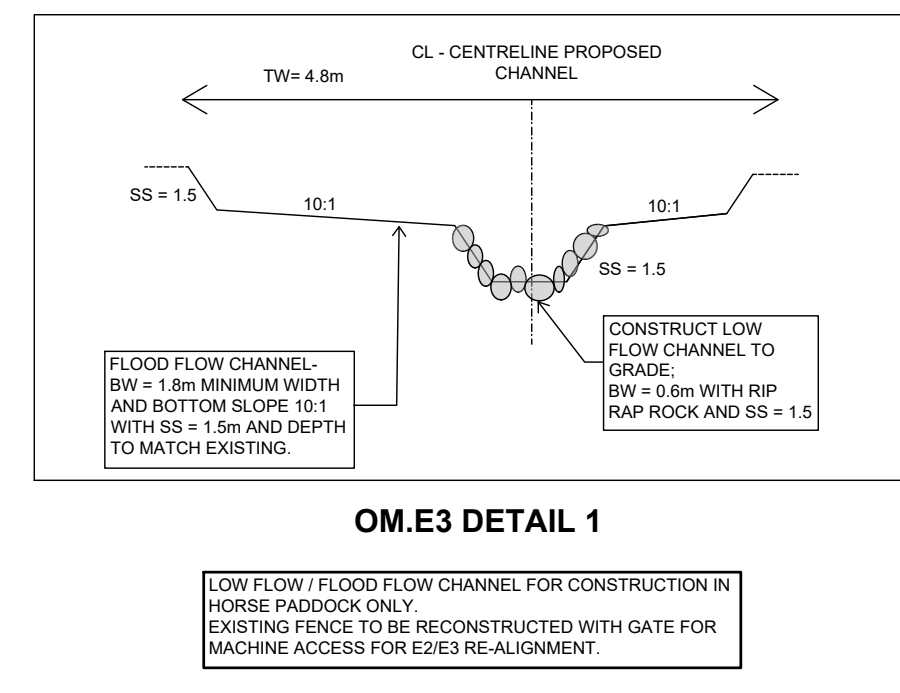
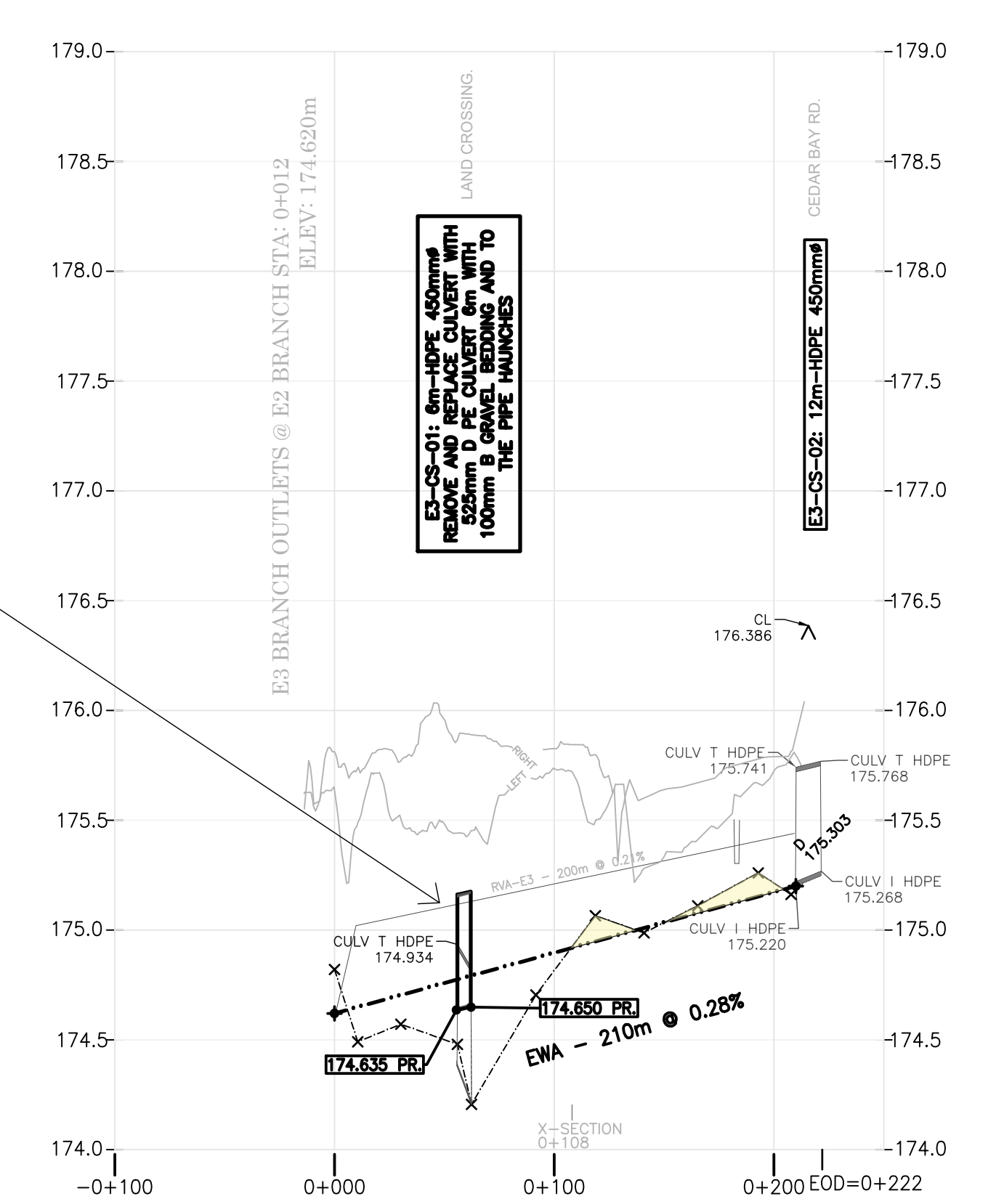
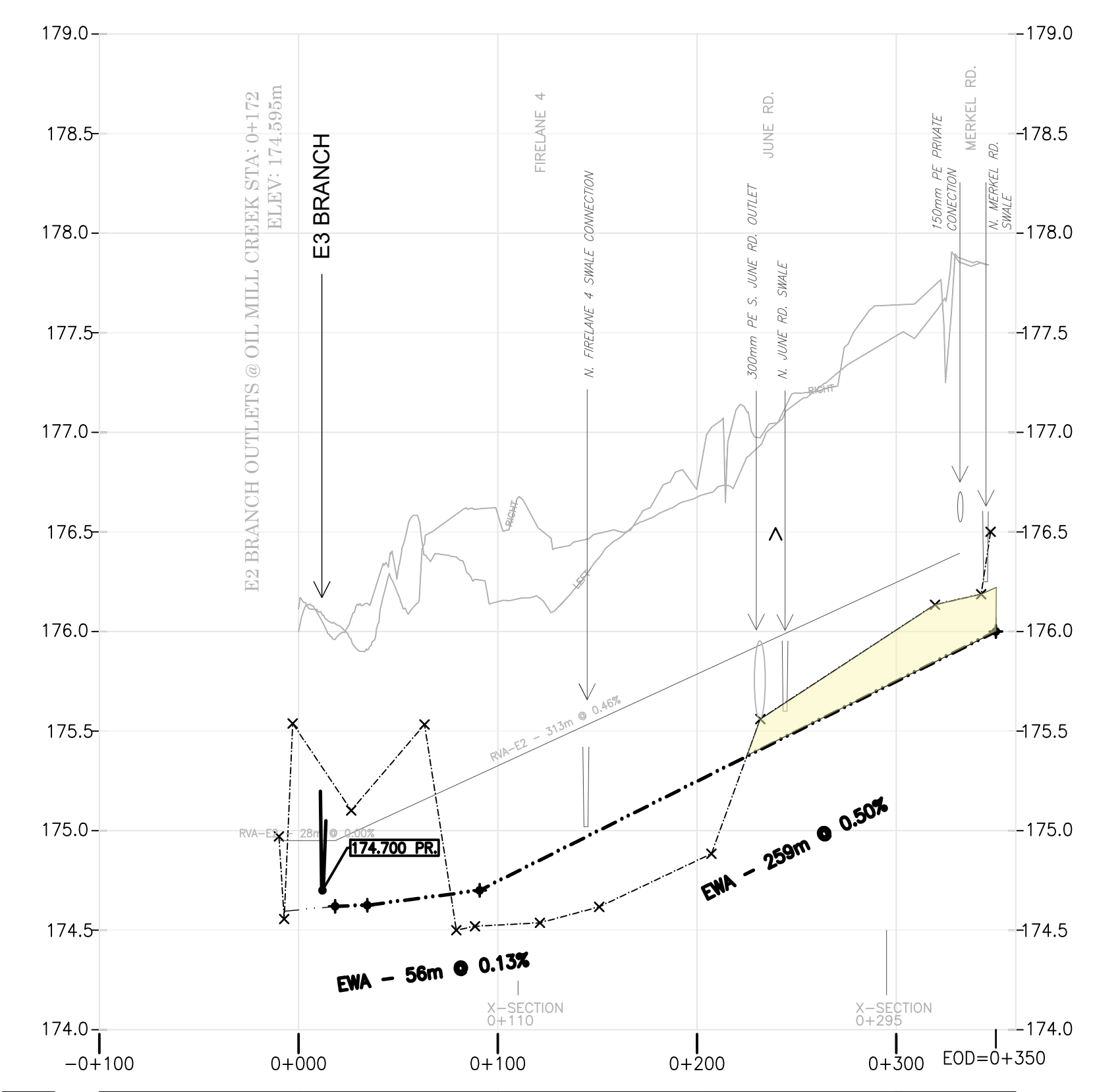
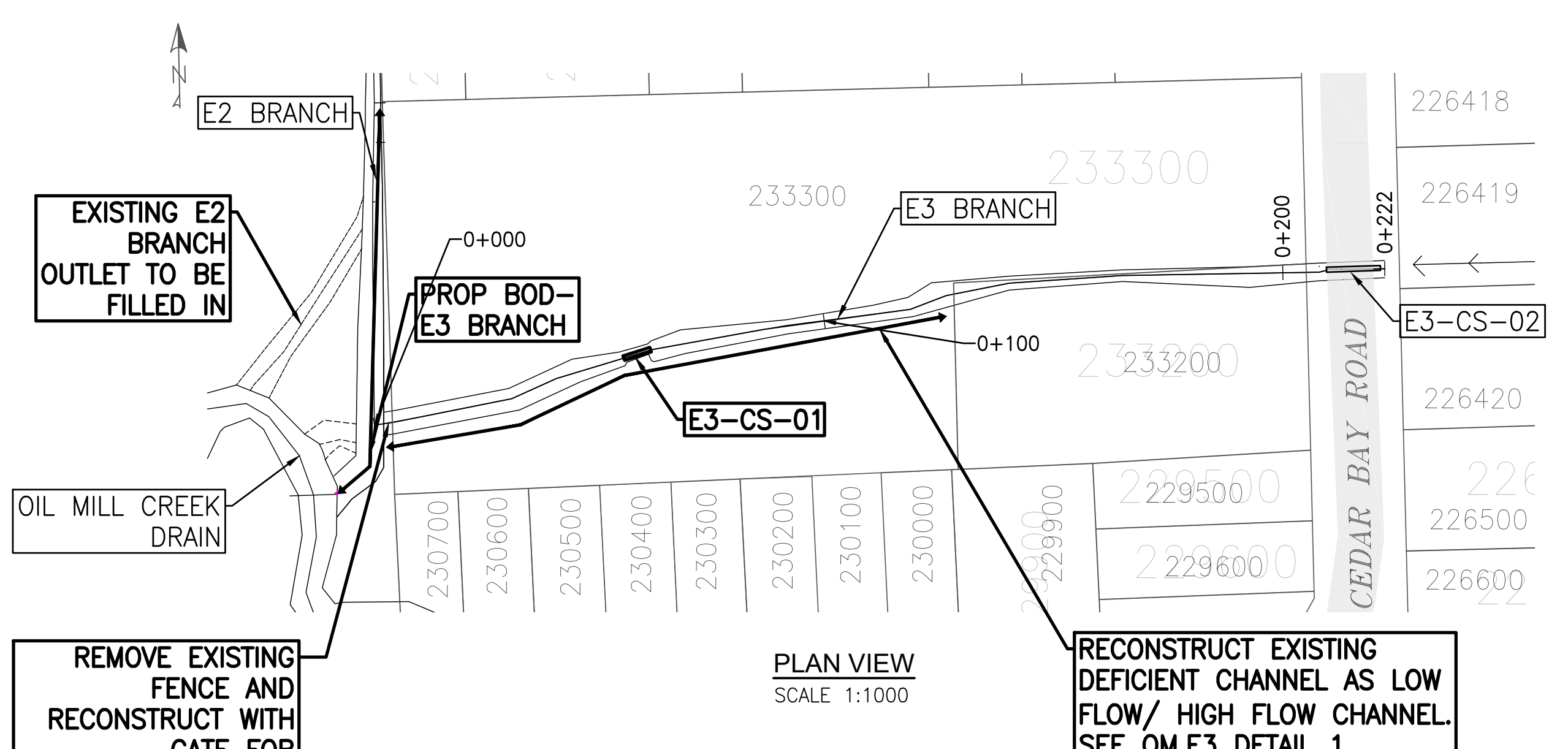
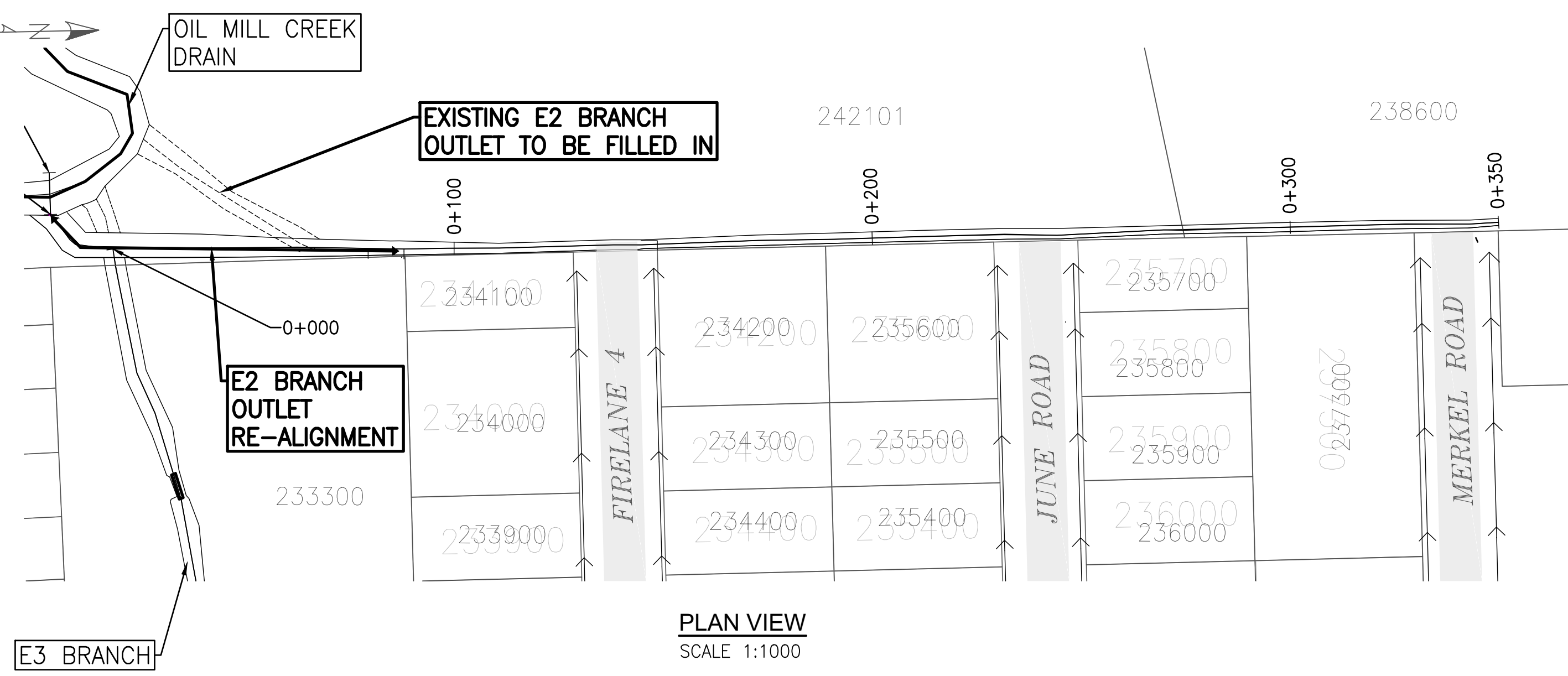
DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P3
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE : H=1:2500 V=1:25	

E2 BRANCH: 0+000 to 0+350

E3 BRANCH: 0+000 to 0+222

NOTES:
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DRAFT



175.14	2019 Max mn
174.90	Average max
174.16	Average
173.33	Average min

175.14	2019 Max mn
174.90	Average max
174.16	Average
173.33	Average min

PROPERTY INFO	CONSTRUCTION NOTES	DESIGN GRADE POINT DATA	DATA NOTES	DRAIN CENTERLINE ELEVATION
STA: 0+172 N= 4748607.9 E= 648863.3 ELEV= 174.595	COMBINED E2 AND E3 OUTLET CHANNEL RE-ALIGN OUTLET TO EXISTING OMC.	BIW=1.2m TW=3.75m SS=1.5	PR 175.49	PR 175.49
STA: 0+018 N= 4748612.6 E= 648875.7 ELEV= 174.620			EX 175.25	EX 175.25
STA: 0+034 N= 4748628.2 E= 648877.3 ELEV= 174.625	RE-ALIGN E2 CHANNEL	BIW=0.9m TW=2.1m SS=1.5	PR 174.85	PR 174.85
STA: 0+091 N= 4748682.2 E= 648877.3 ELEV= 174.700			EX 175.75	EX 175.75
STA: 0+350 N= 4748943.9 E= 648970.3 ELEV= 176.000	WORK ZONE= WEST		PR 176.01	PR 176.01
			EX 175.25	EX 175.25

PROPERTY INFO	CONSTRUCTION NOTES	DESIGN GRADE POINT DATA	DATA NOTES	DRAIN CENTERLINE ELEVATION
STA: 0+000 N= 4748607.9 E= 648863.3 ELEV= 174.620	CONSTRUCT LF/FF CHANNEL SEE DETAIL 1	BIW=0.9m TW=2.1m SS=1.5	PR 174.82	PR 174.82
STA: 0+210 N= 4748645.3 E= 649082.0 ELEV= 175.200			EX 174.82	EX 174.82
CoPC, 2022	WORK ZONE= SOUTH		PR 175.17	PR 175.17
			EX 175.21	EX 175.21

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LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
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	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
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	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
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	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE
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	WATER LEVEL FROM SURVEY DATA, INDICATIVE

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OIL MILL CREEK E2/E3 BRANCH DRAIN PROFILE
STA 0+000 to 0+350

DRAIN PROFILE
STA 0+000 to 0+222

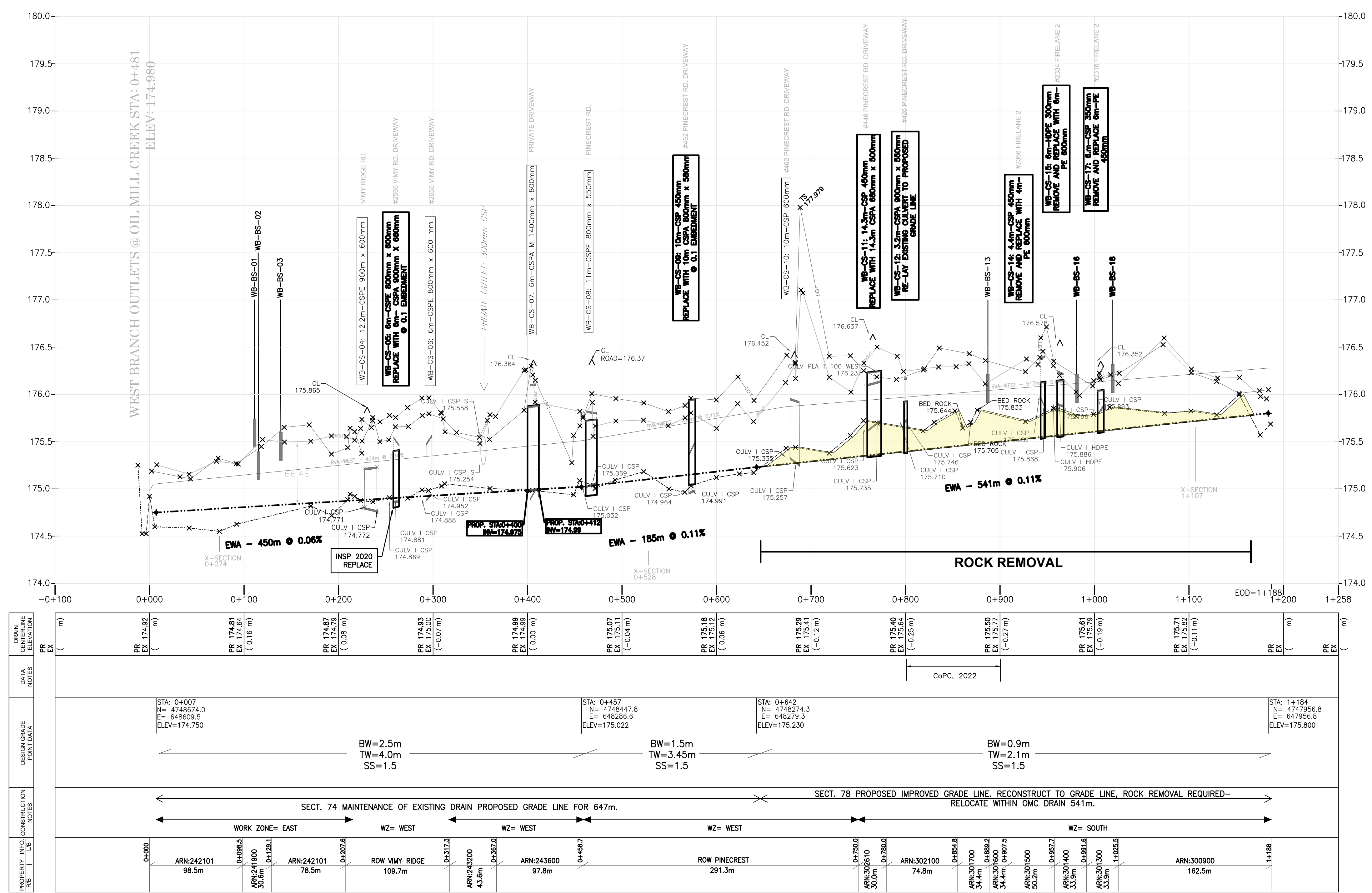


DRAWN BY: KD	APPROVED BY: PCM	PROJECT NO.: 19-9998	DRAWING NO.: OM.P4
DESIGNED BY: PCM	DATE: 07-SEP-23	SCALE: AS SHOWN	

WEST BRANCH DRAIN: 0+000 to 1+188

NOTES:
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LEGEND

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	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION (175.00 PR)
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE (RVA, 1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

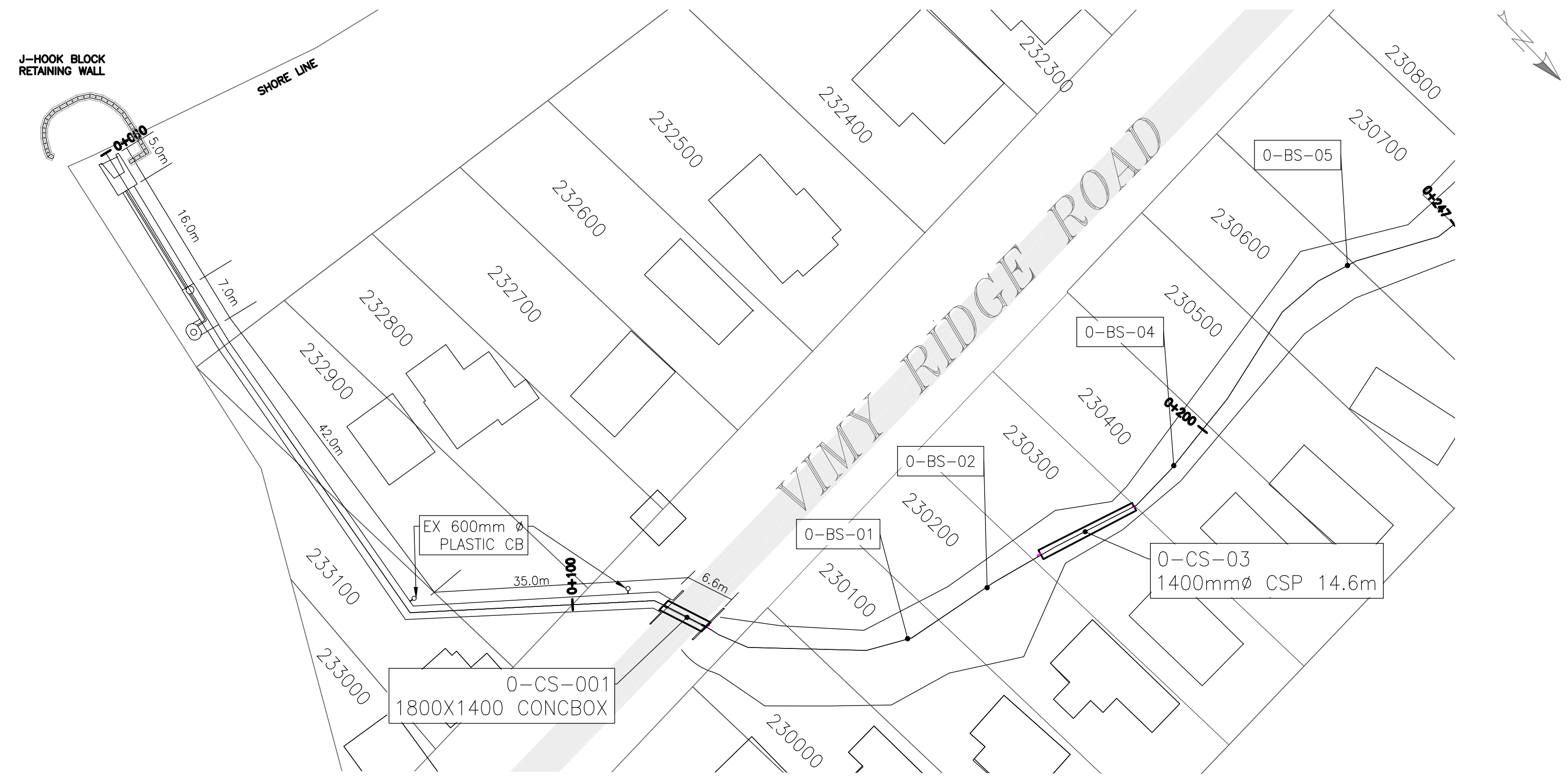
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1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

OIL MILL CREEK WEST BRANCH DRAIN PROFILE
STA 0+000 to 1+188

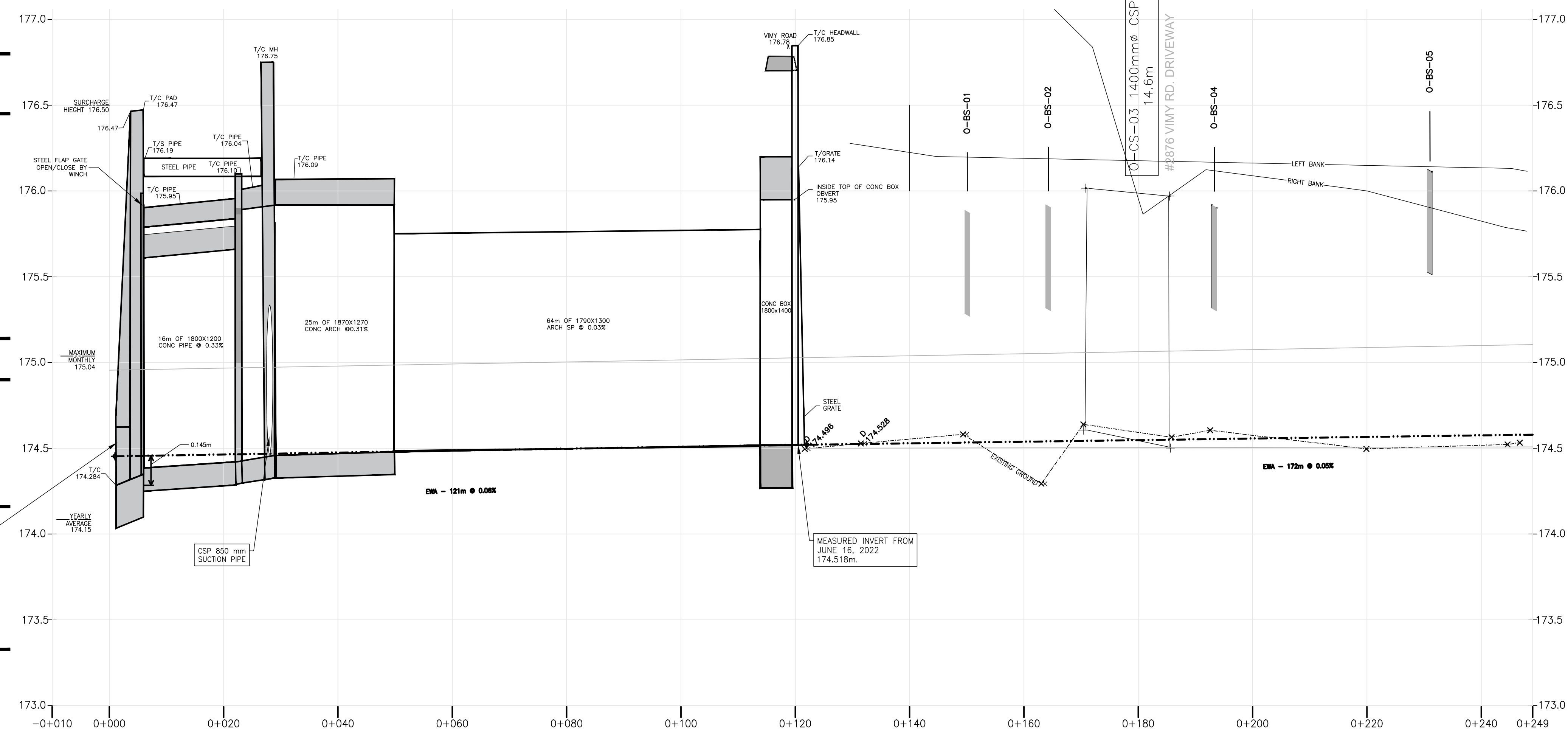
PROPERTY INFO	CONSTRUCTION NOTES	DESIGN GRADE POINT DATA	DATA NOTES	GENERAL ELEVATION
0+000	WORK ZONE= EAST	STA: 0+007 N= 4748674.0 E= 648629.5 ELEV=174.750		PR EX 174.92 (m)
0+088.5				PR EX 174.81 (0.16 m)
0+128.1				PR EX 174.79 (0.08 m)
0+207.6				PR EX 174.93 (0.07 m)
0+317.3				PR EX 174.99 (0.04 m)
0+370.0				PR EX 175.07 (0.06 m)
0+488.7				PR EX 175.09 (0.12 m)
0+760.0				PR EX 175.40 (0.25 m)
0+854.8				PR EX 175.50 (0.27 m)
0+888.2				PR EX 175.61 (0.19 m)
0+907.5				PR EX 175.71 (0.11 m)
0+925.5				PR EX 175.71 (0.11 m)
1+188				PR EX 175.71 (0.11 m)

EWA
EARTH WATER AIR
ENGINEERING

DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P5
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE : H=1:2500 V=1:25	



- 177.3 NPCA Flood Proof Line
- 176.8 1:100yr seiche
- 176.45 Seiche survey ToFFE
- 175.14 2019 Max mn
- 174.90 Average max
- 174.16 Average
- 173.33 Average min



STATION	PR (m)	EX (m)
0+001	175.31	175.31
0+020	175.95	175.95
0+040	176.03	176.03
0+060	177.14	177.14
0+080	176.78	176.78
0+100	176.50	176.50
0+120	175.48	175.48
0+140	175.34	175.34
0+160	175.49	175.49
0+180	175.34	175.34
0+200	175.32	175.32
0+220	175.43	175.43
0+240	175.25	175.25
0+249	PR EX	PR EX

PROFILE VIEW
SCALE H:1:500 V:1:33.3

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE DONE TO THEM.

SPATIAL DATA:

- HORIZONTAL DATUM: UTM NAD83-CSRS ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2018
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE (RVA, 1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	SEPT 12, 2022
3	ISSUED FOR REPORT 70%	MAR 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

**OIL MILL CREEK OUTLET
DRAIN PLAN/PROFILE**
STA 0+000 to 0+247

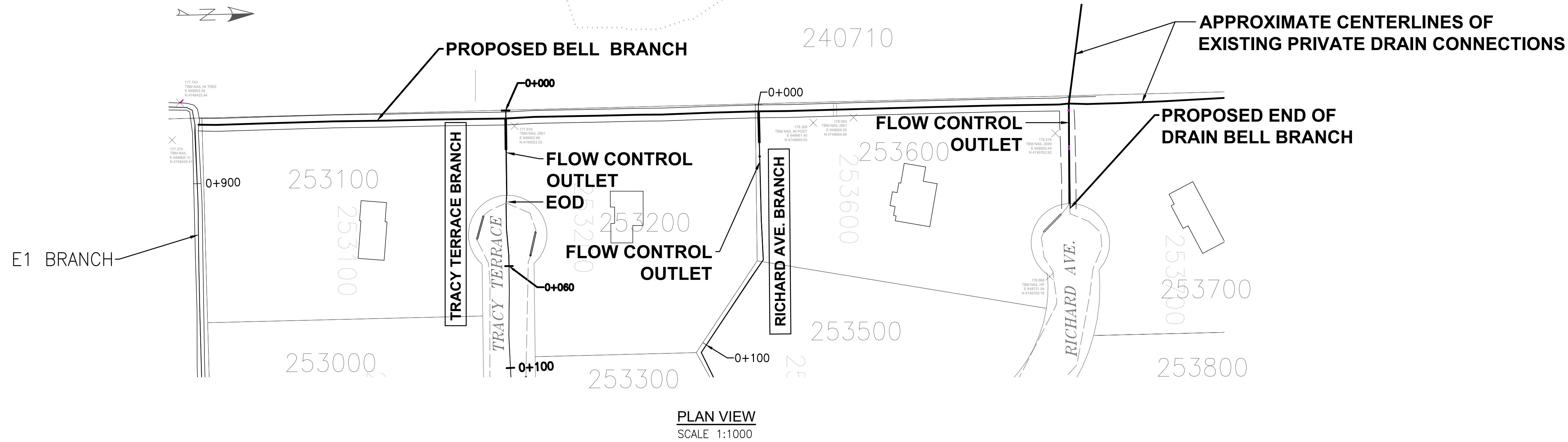


DRAWN BY: KD	APPROVED BY: PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P6
DESIGNED BY: PCM	DATE: 07-SEP-23	SCALE: AS SHOWN	

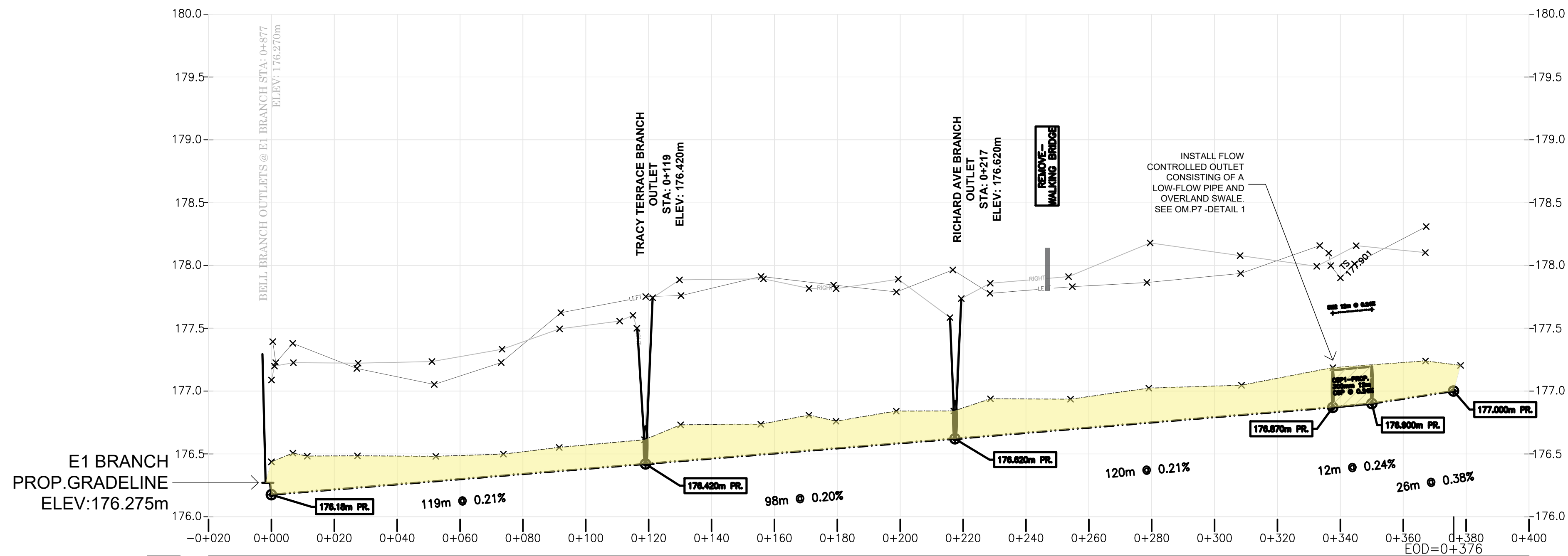
BELL BRANCH: 0+000 to 0+378

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

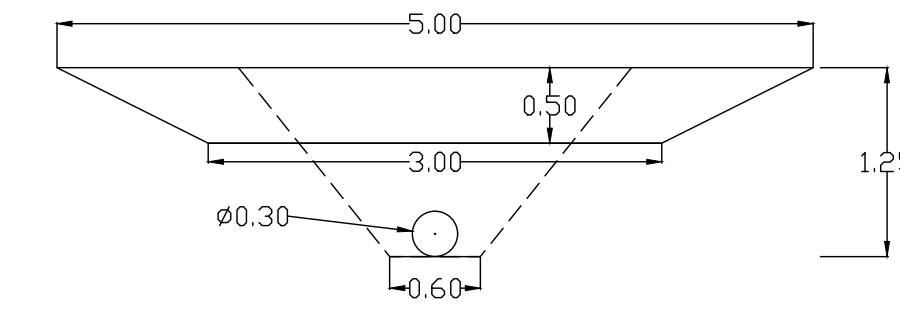
DRAFT



PLAN VIEW
SCALE 1:1000



PROFILE VIEW
SCALE H=1:1000 V=1:25



OM.P7 - DETAIL 1
FLOW CONTROL OUTLET
SCALE 1:50

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE DONE TO THEM.

- SPATIAL DATA:**
- HORIZONTAL DATUM: UTM NAD83-CRS ZONE 17N
 - VERTICAL DATUM: CGVD28-1978
 - ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE R/A, 1979
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

OIL MILL CREEK BELL BRANCH DRAIN PLAN & PROFILE STA 0+000 to 0+378

PROPERTY / INFO / CONSTRUCTION / NOTES	DESIGN GRADE / POINT DATA	DATA / NOTES	DRAIN ELEVATION
0+000	PR 176.18 (-0.26m) EX 176.44		PR 176.18 (-0.26m) EX 176.44
0+020	PR 176.22 (-0.27m) EX 176.46		PR 176.22 (-0.27m) EX 176.46
0+040	PR 176.24 (-0.22m) EX 176.48		PR 176.24 (-0.22m) EX 176.48
0+060	PR 176.30 (-0.19m) EX 176.57		PR 176.30 (-0.19m) EX 176.57
0+080	PR 176.34 (-0.16m) EX 176.57		PR 176.34 (-0.16m) EX 176.57
0+100	PR 176.38 (-0.19m) EX 176.57		PR 176.38 (-0.19m) EX 176.57
0+120	PR 176.42 (-0.20m) EX 176.63	CoPC, 2022	PR 176.42 (-0.20m) EX 176.63
0+140	PR 176.46 (-0.27m) EX 176.73		PR 176.46 (-0.27m) EX 176.73
0+160	PR 176.50 (-0.25m) EX 176.76		PR 176.50 (-0.25m) EX 176.76
0+180	PR 176.54 (-0.22m) EX 176.81		PR 176.54 (-0.22m) EX 176.81
0+200	PR 176.59 (-0.20m) EX 176.84		PR 176.59 (-0.20m) EX 176.84
0+220	PR 176.63 (-0.24m) EX 176.87	CoPC, 2022	PR 176.63 (-0.24m) EX 176.87
0+240	PR 176.67 (-0.27m) EX 176.94		PR 176.67 (-0.27m) EX 176.94
0+260	PR 176.71 (-0.25m) EX 176.96		PR 176.71 (-0.25m) EX 176.96
0+280	PR 176.75 (-0.27m) EX 177.02		PR 176.75 (-0.27m) EX 177.02
0+300	PR 176.79 (-0.25m) EX 177.04		PR 176.79 (-0.25m) EX 177.04
0+320	PR 176.83 (-0.27m) EX 177.13		PR 176.83 (-0.27m) EX 177.13
0+340	PR 176.88 (-0.31m) EX 177.23		PR 176.88 (-0.31m) EX 177.23
0+360	PR 176.94 (-0.29m) EX 177.23		PR 176.94 (-0.29m) EX 177.23
0+380	PR 177.00 EX 177.23		PR 177.00 EX 177.23
0+400	PR 177.00 EX 177.23		PR 177.00 EX 177.23

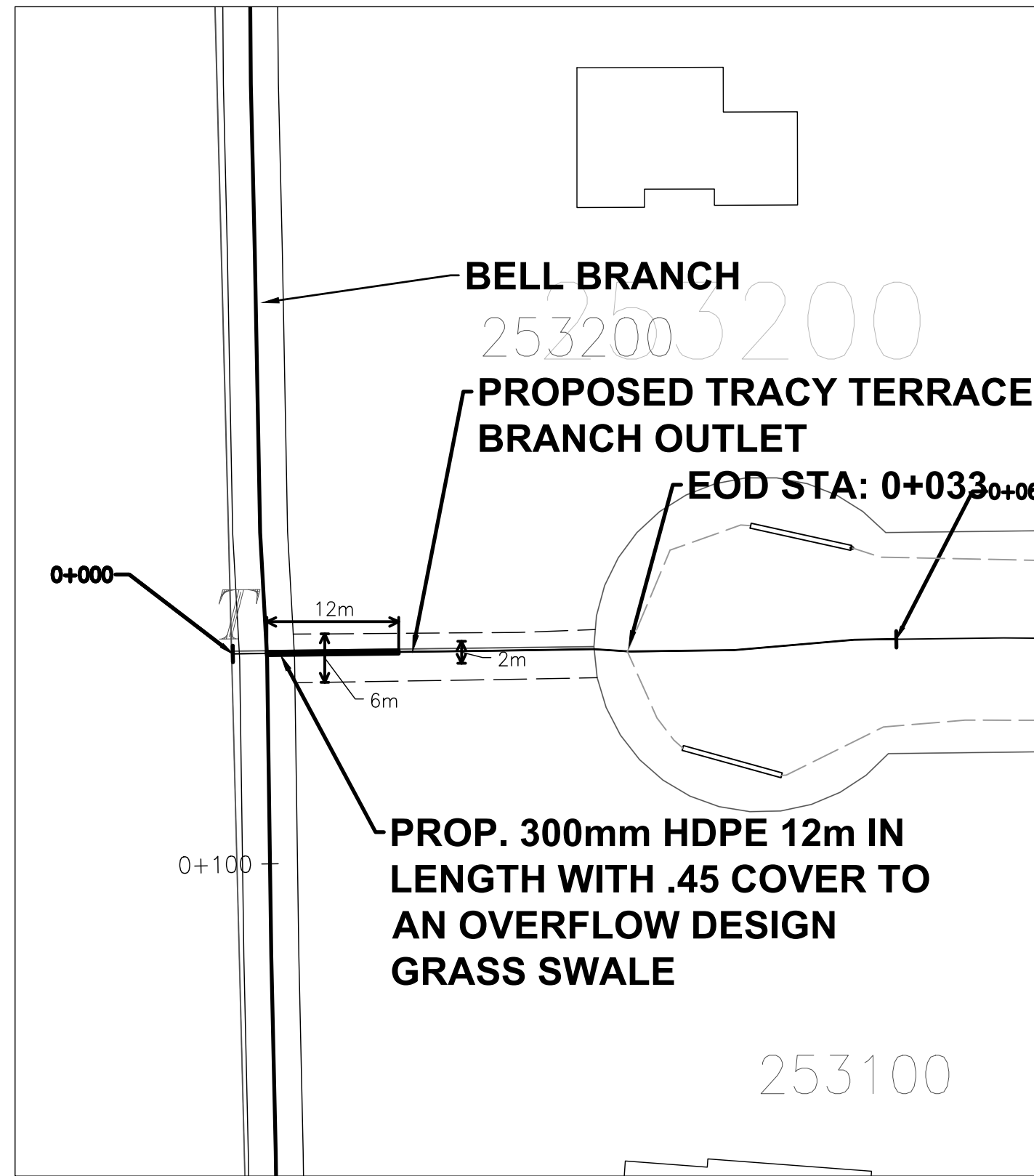
PROPERTY / INFO / CONSTRUCTION / NOTES	DESIGN GRADE / POINT DATA	DATA / NOTES	DRAIN ELEVATION
0+000	PR 176.18 (-0.26m) EX 176.44		PR 176.18 (-0.26m) EX 176.44
0+119.2	PR 176.42 (-0.20m) EX 176.63	CoPC, 2022	PR 176.42 (-0.20m) EX 176.63
0+217.2	PR 176.67 (-0.27m) EX 176.94	CoPC, 2022	PR 176.67 (-0.27m) EX 176.94
0+337.5	PR 176.88 (-0.31m) EX 177.23		PR 176.88 (-0.31m) EX 177.23
0+376.0	PR 177.00 EX 177.23		PR 177.00 EX 177.23

PROPERTY / INFO / CONSTRUCTION / NOTES	DESIGN GRADE / POINT DATA	DATA / NOTES	DRAIN ELEVATION
0+000	PR 176.18 (-0.26m) EX 176.44		PR 176.18 (-0.26m) EX 176.44
0+119.2	PR 176.42 (-0.20m) EX 176.63	CoPC, 2022	PR 176.42 (-0.20m) EX 176.63
0+217.2	PR 176.67 (-0.27m) EX 176.94	CoPC, 2022	PR 176.67 (-0.27m) EX 176.94
0+337.5	PR 176.88 (-0.31m) EX 177.23		PR 176.88 (-0.31m) EX 177.23
0+376.0	PR 177.00 EX 177.23		PR 177.00 EX 177.23



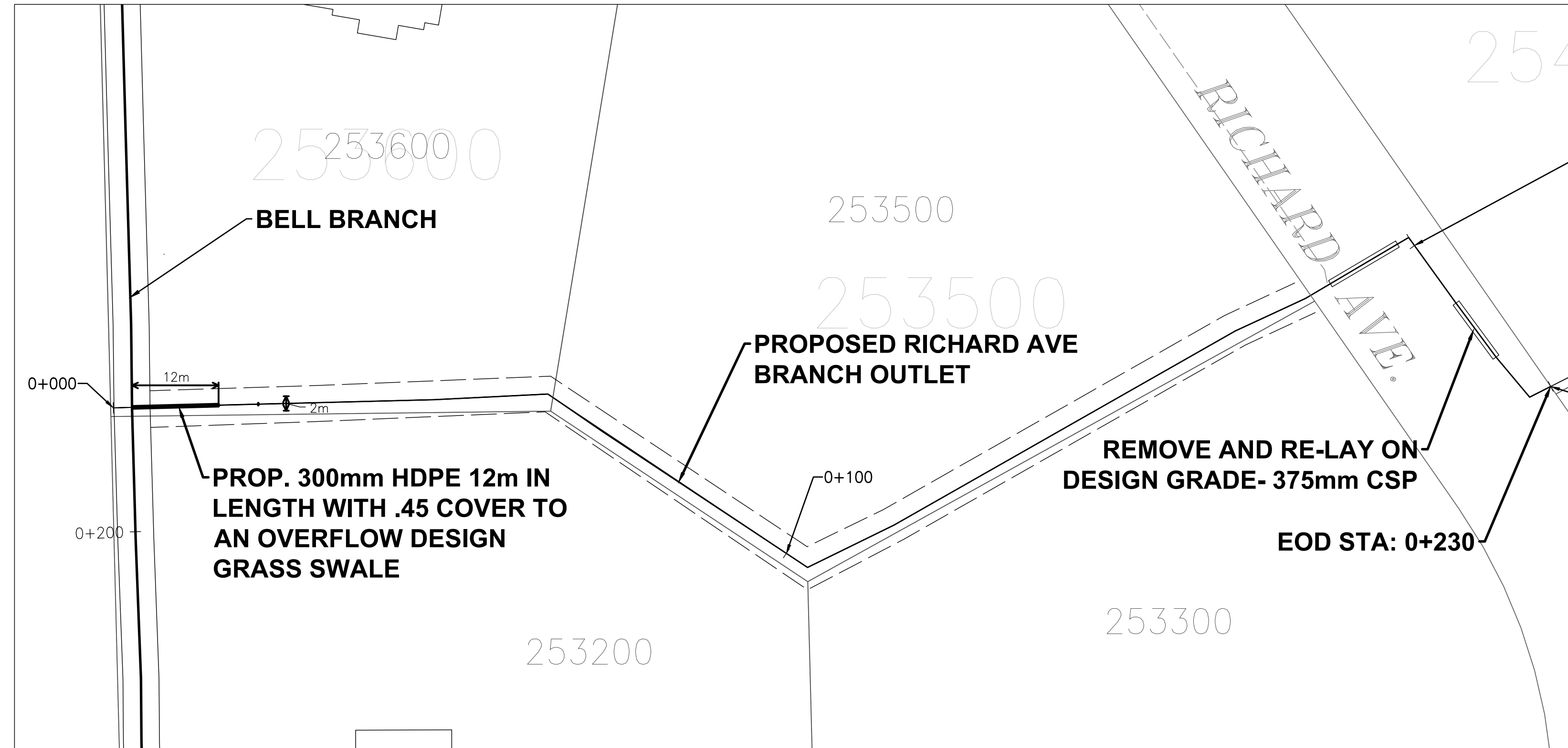
DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.P7
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE : AS SHOWN	

TRACY TERRACE BRANCH

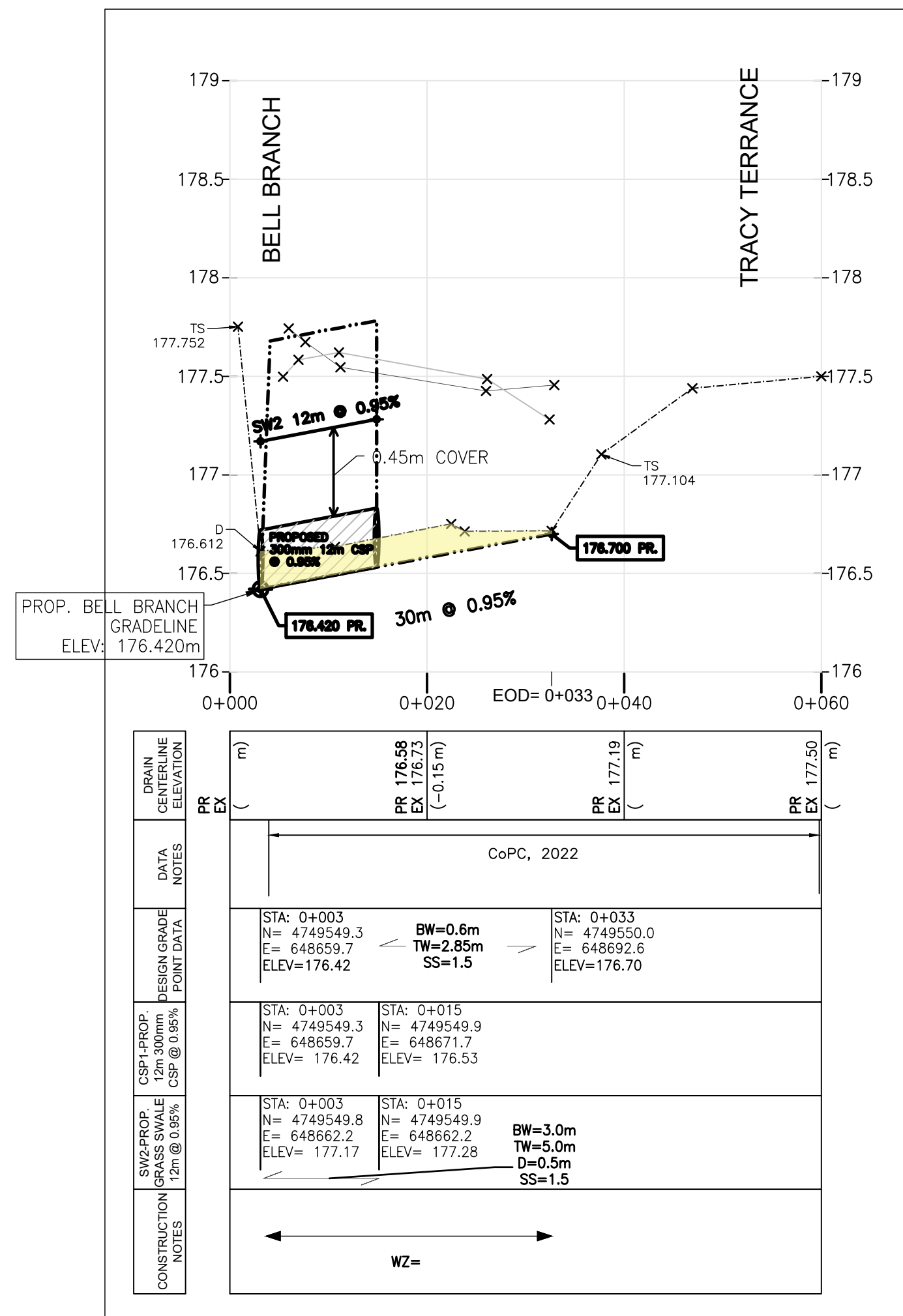


PLAN VIEW
SCALE 1:500

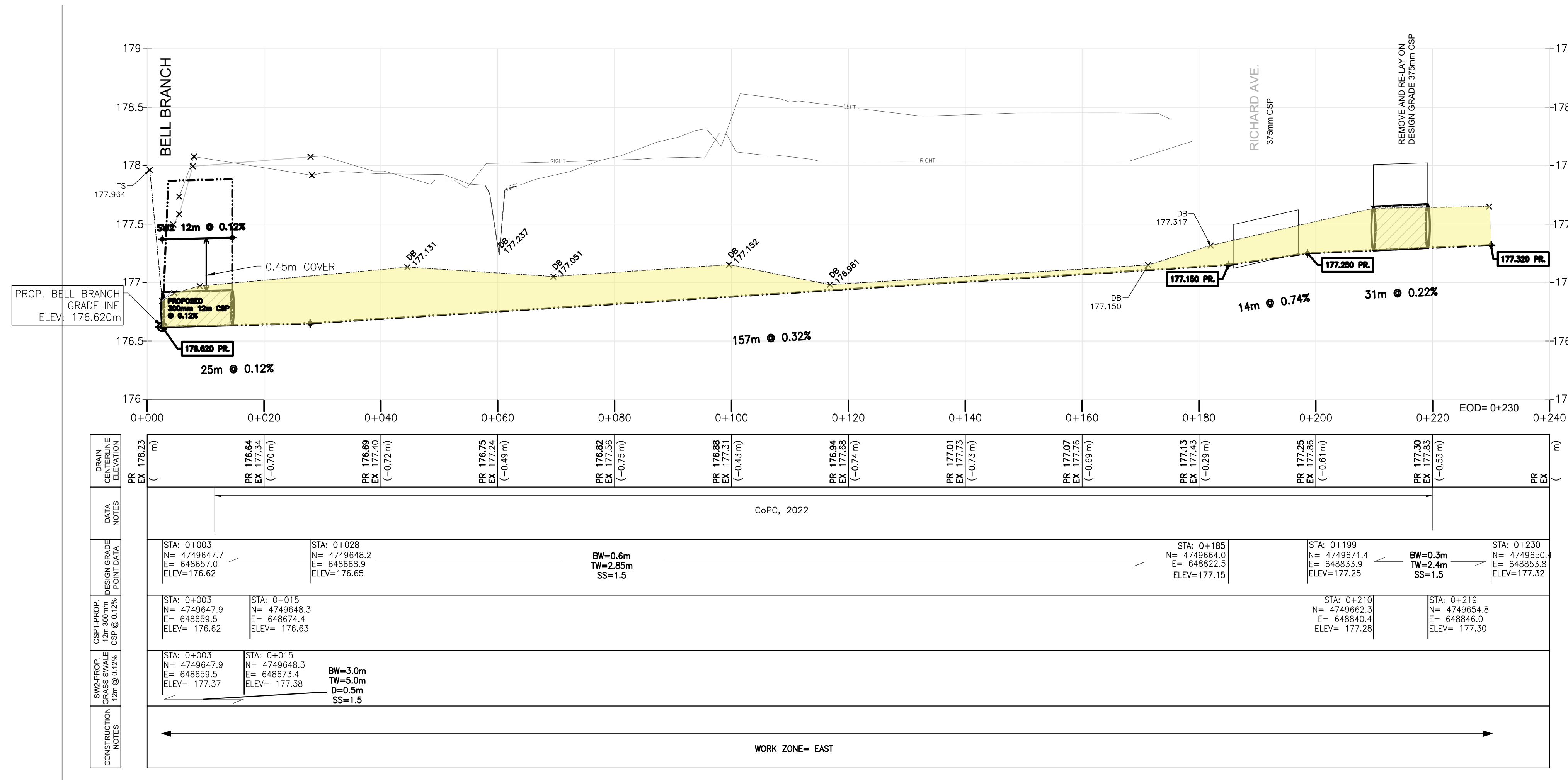
RICHARD AVE. BRANCH



PLAN VIEW
SCALE 1:500



PROFILE VIEW
SCALE H=1:500, V=1:25



PROFILE VIEW
SCALE H=1:500, V=1:25

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

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SPATIAL DATA:

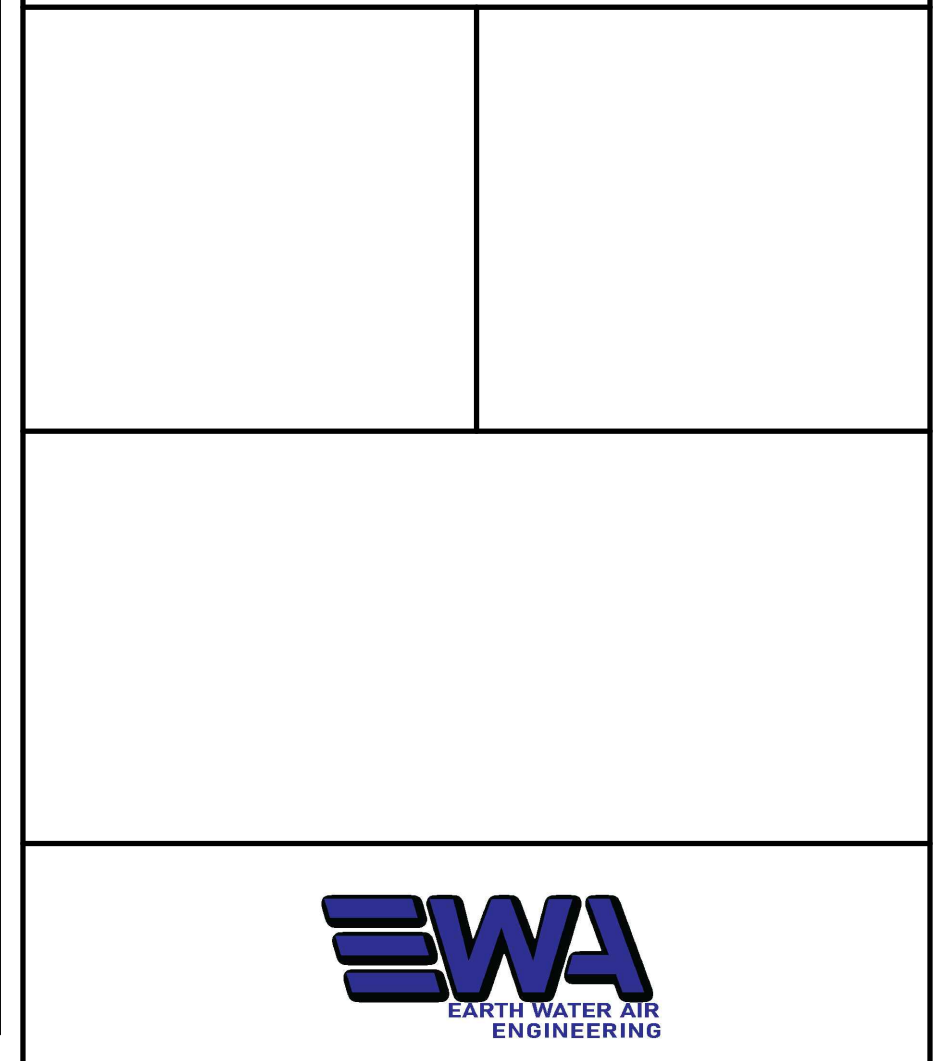
- HORIZONTAL DATUM: UTM NAD83-CSRS ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

TRACY TERRACE & RICHARD AVE. BRANCH DRAIN PLAN AND PROFILE
STA 0+000 TO 0+033
DRAIN PLAN AND PROFILE
STA 0+000 TO 0+230



DRAWN BY : KID	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : 0M.P8
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE :	

CENTENNIAL WETLANDS EAST & WEST: 0+000 to 0+166

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

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- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE R/A, 1979
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

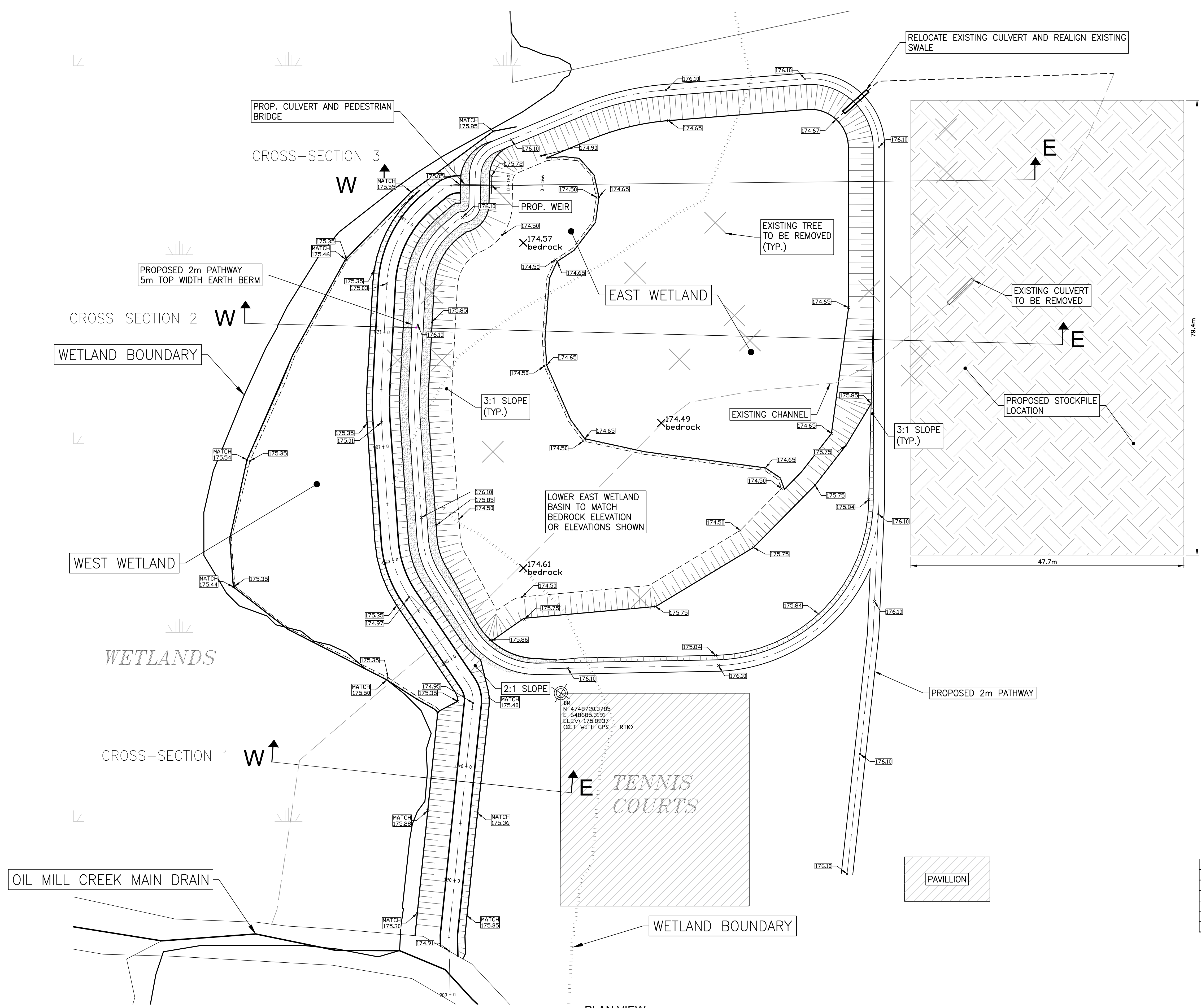
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021
NO.	REVISION DESCRIPTION	DATE

OIL MILL CREEK CENTENNIAL WETLAND EAST & WEST PLAN & PROFILE
STA 0+000 to 0+179

Total Earthworks	
CUT	8024.88
FILL	259.46
NET	7765.42

West Wetland	
elevation (m)	volume (m³)
174.95	0.00
175.00	3.55
175.25	93.50
175.35	201.40
175.50	407.20

East Wetland	
elevation (m)	volume (m³)
174.50	0.00
174.65	299.60
175.75	5892.99
CREST	2365.98
TOTAL	8558.57

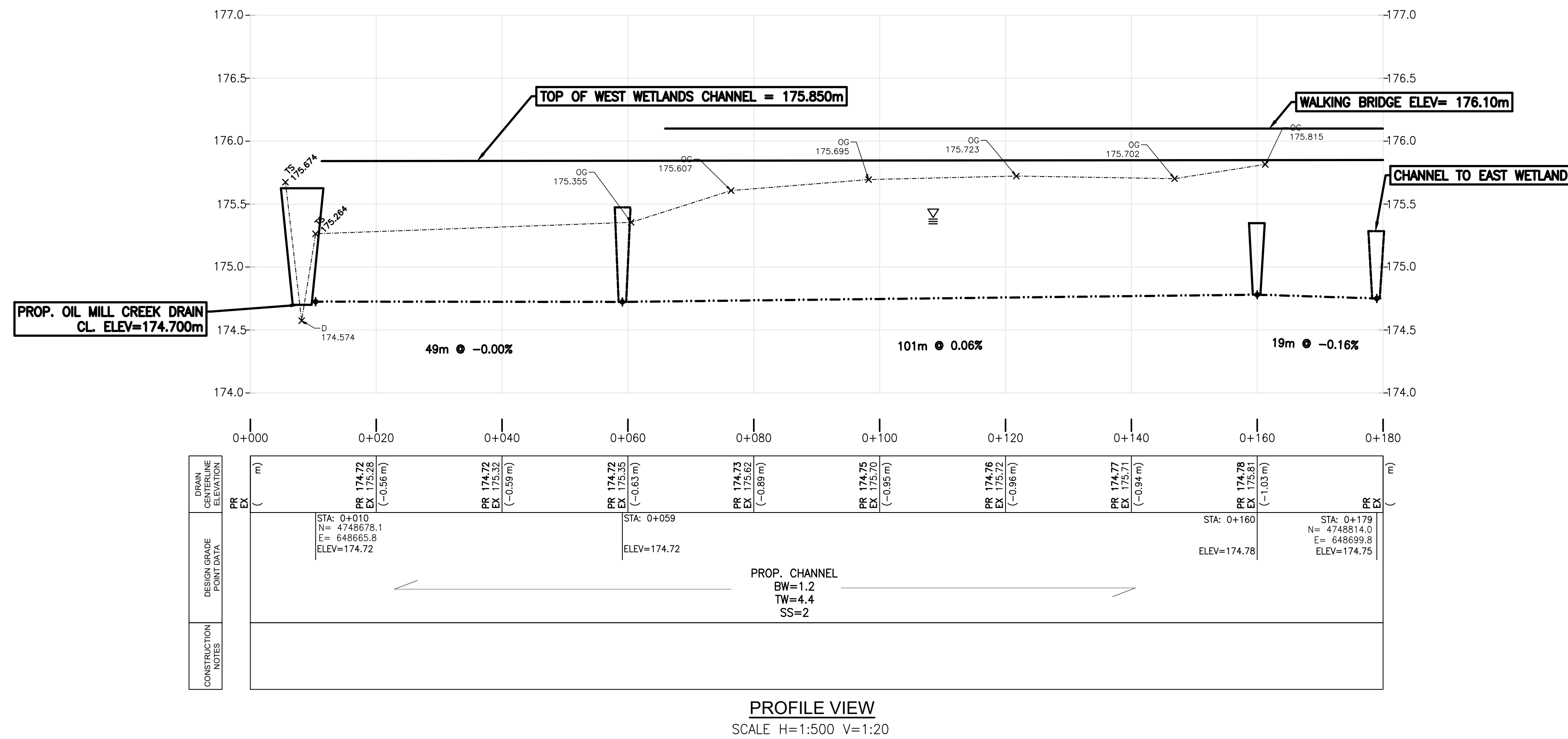


PLAN VIEW
SCALE: 1:350

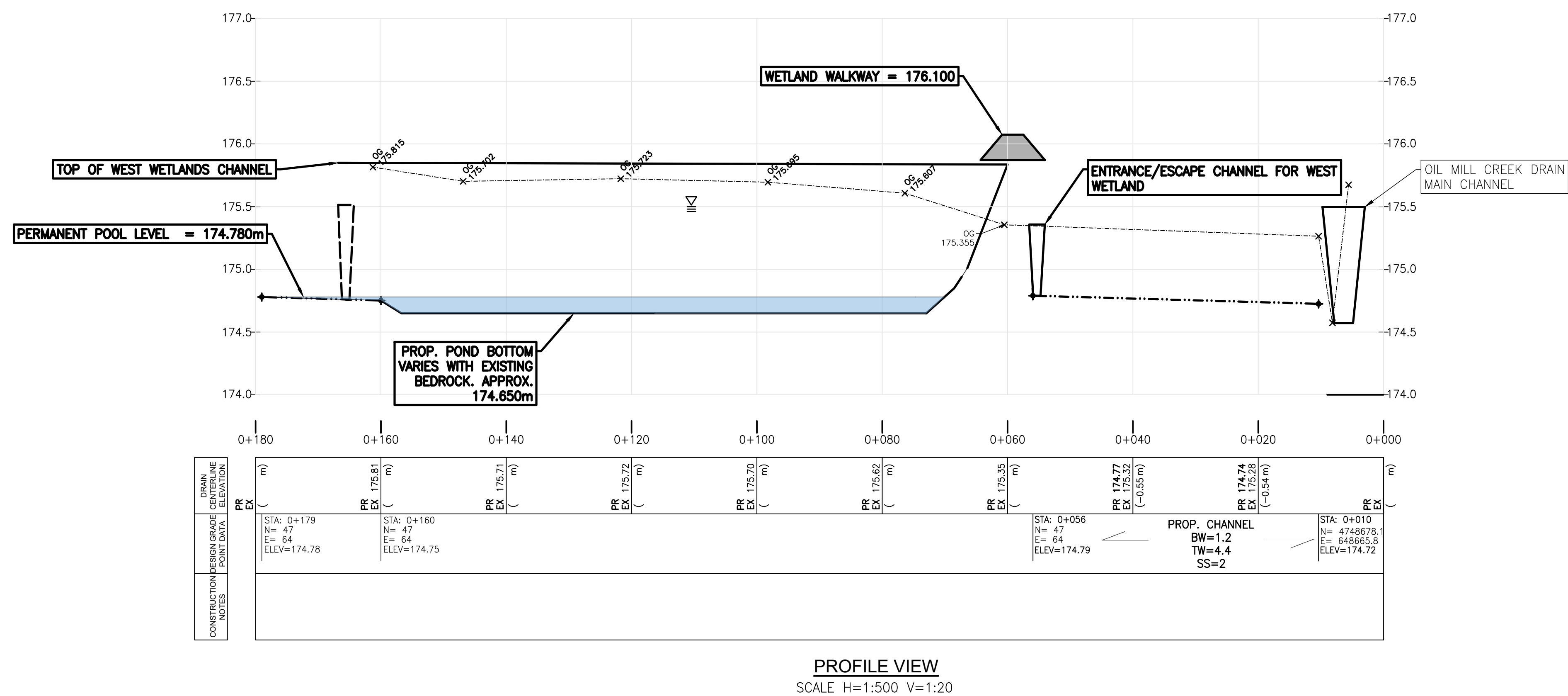


DRAWN BY: KD	APPROVED BY: PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.SD-01
DESIGNED BY: PCM	DATE : 07-SEP-23	SCALE : 1:750	

RETENTION POND WEST



RETENTION POND EAST



NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

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SPATIAL DATA:

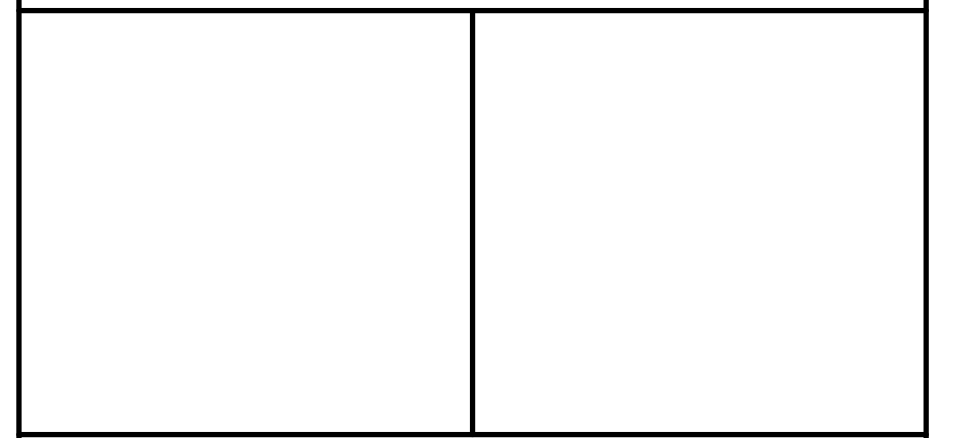
- HORIZONTAL DATUM: UTM NAD83-CSR5 ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE (VIA 1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

NO.	REVISION DESCRIPTION	DATE
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

OIL MILL CREEK RETENTION POND EAST & WEST CROSS-SECTIONS



DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.SD-02
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE :	

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

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SPATIAL DATA:

- HORIZONTAL DATUM: UTM NAD83-CRS ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE (1979)
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

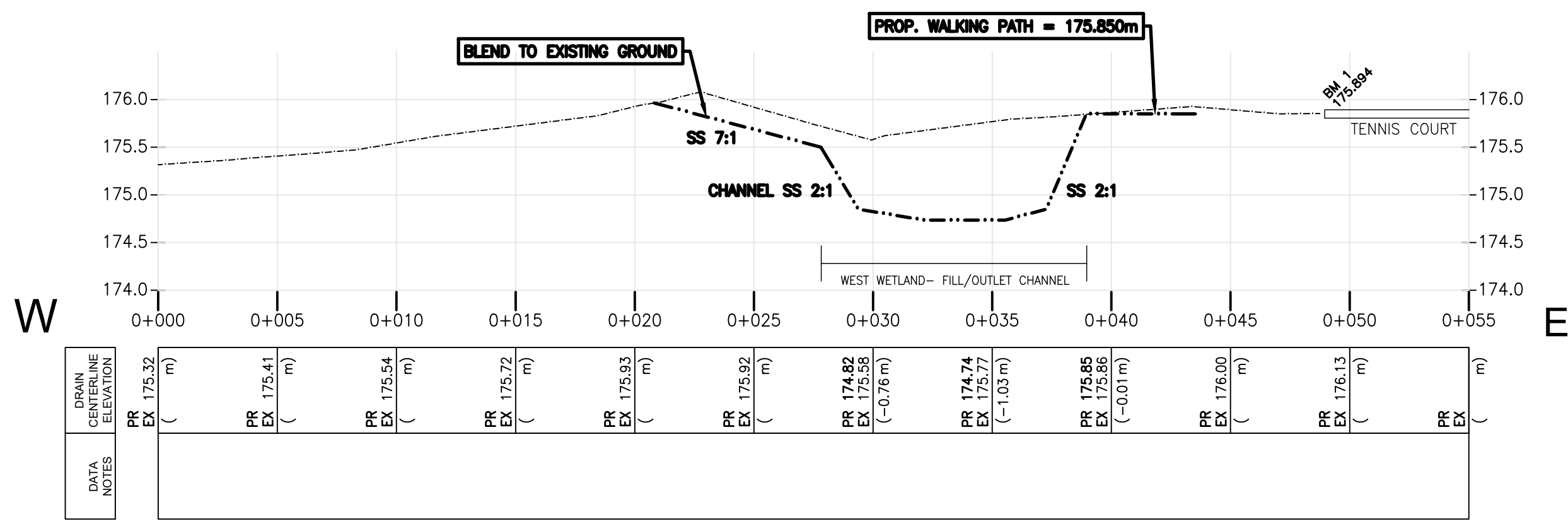
5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021
NO.	REVISION DESCRIPTION	DATE

OIL MILL CREEK CENTENNIAL WETLAND CROSS SECTIONS #6 to #8

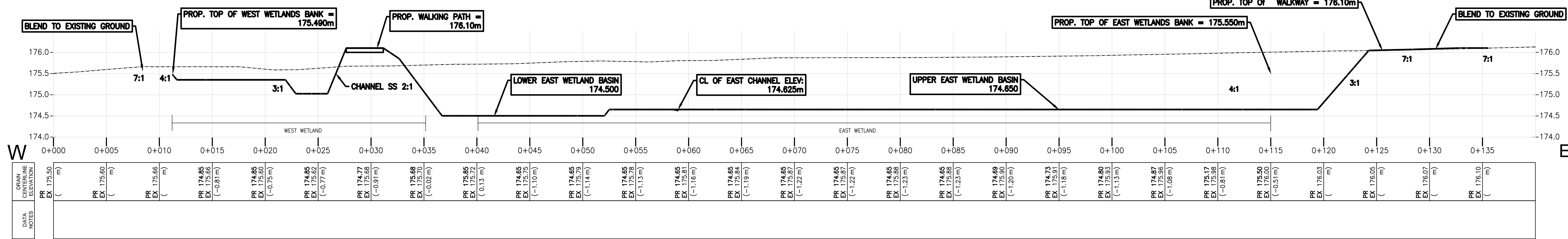


DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.SD-03
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE :	

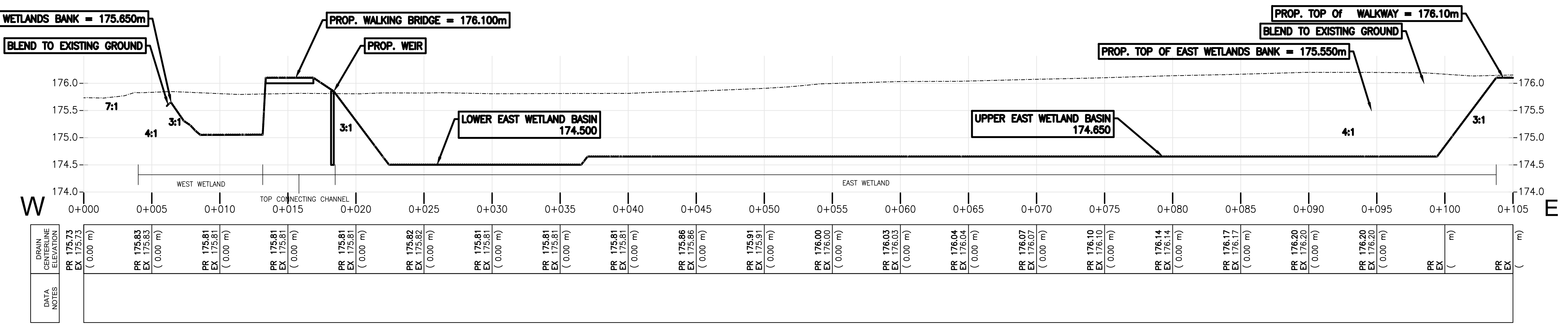
CROSS-SECTION 1



CROSS-SECTION 2



CROSS-SECTION 3



CROSS-SECTION PROFILE VIEW
SCALE H=1:200 V=1:4

NOTES:
1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

DRAFT

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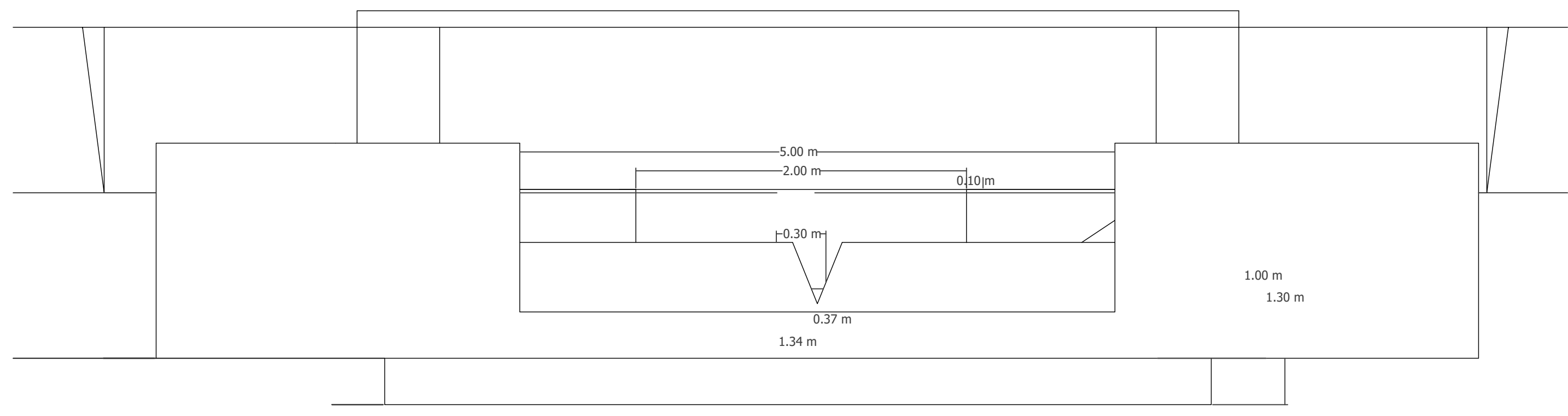
SPATIAL DATA:

- HORIZONTAL DATUM: UTM NAD83-CSRS ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

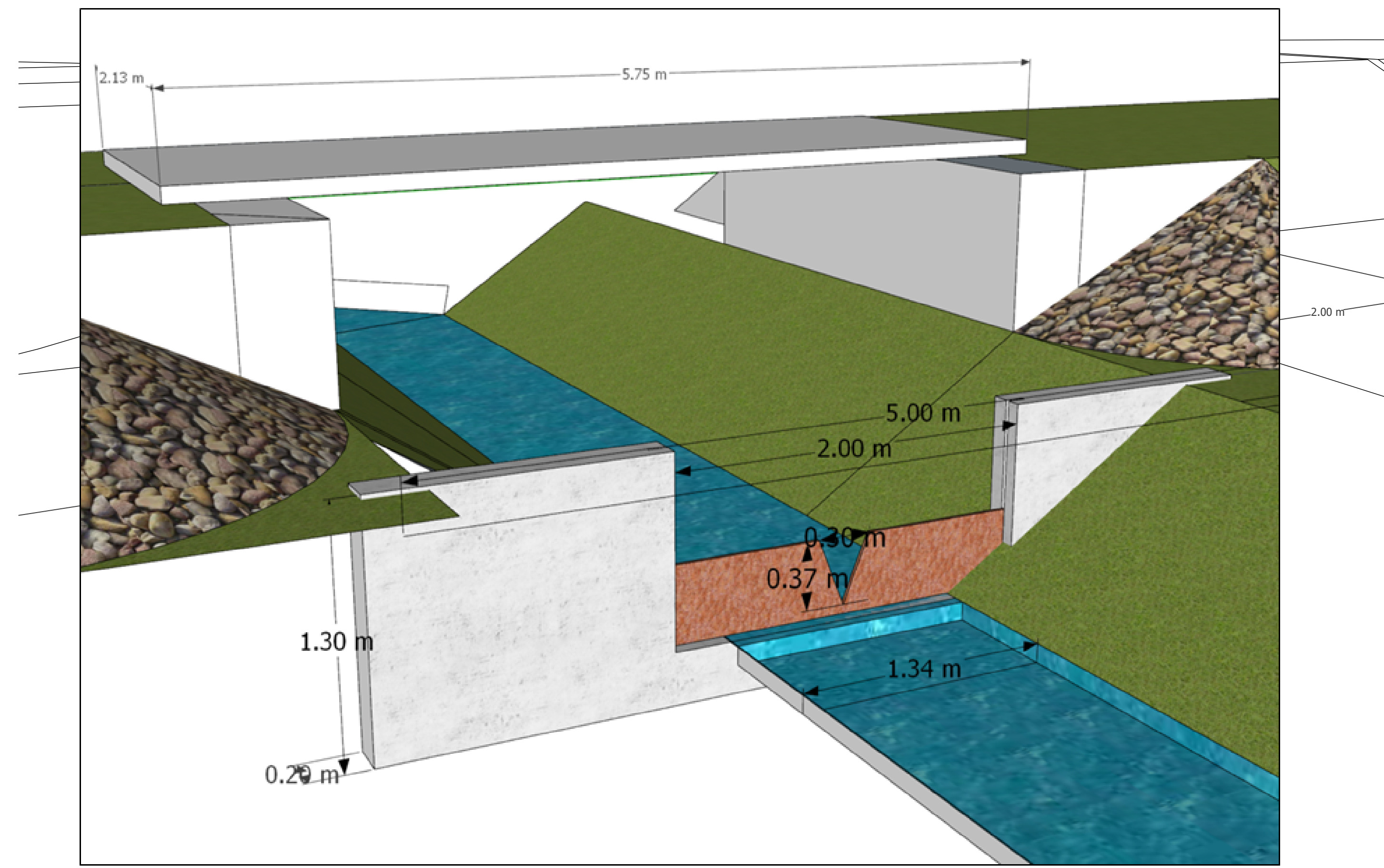
LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE 1978
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

5	ISSUED FOR REPORT 90%	SEP 07, 2023
4	ISSUED FOR REPORT 70% REVISION 2	AUG 26, 2022
3	ISSUED FOR REPORT 70%	MAY 31, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021
NO.	REVISION DESCRIPTION	DATE



SPECIAL DETAIL
SCALE= 1:25



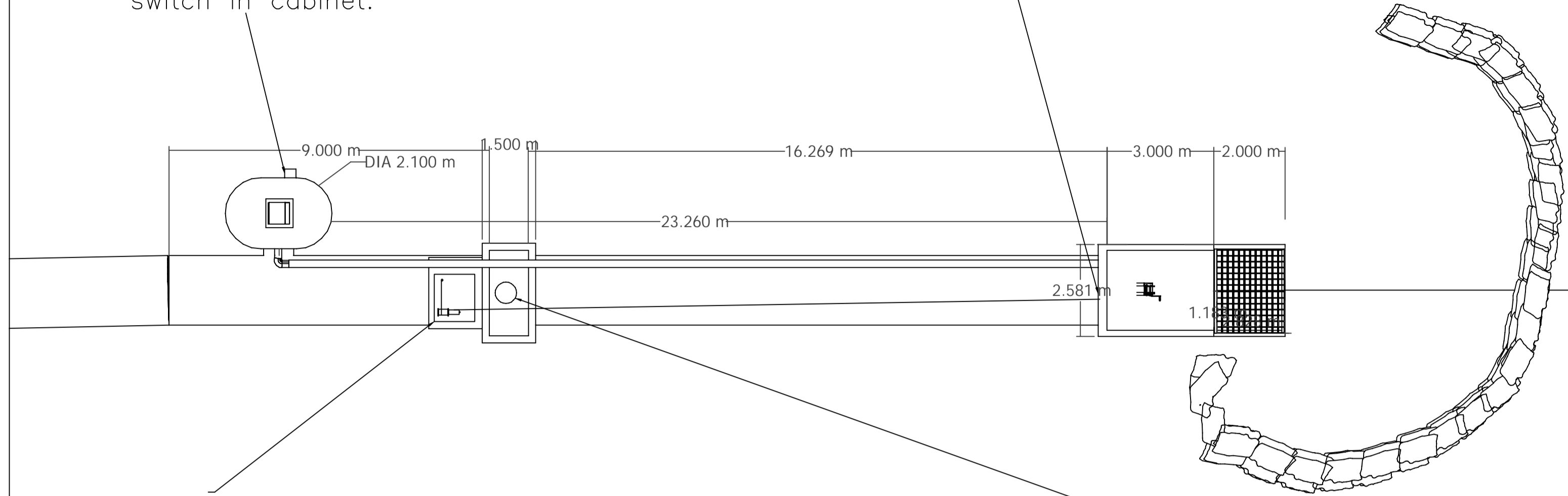
SPECIAL DETAIL
SCALE= 1:75



DRAWN BY : KD	APPROVED BY : PCM	PROJECT NO. : 19-9998	DRAWING NO. : OM.SD-04
DESIGNED BY : PCM	DATE : 07-SEP-23	SCALE :	

Remove existing electrical box. Replace with new 120V service and NEMA 6 (IP67) Service Cabinet Mounted to existing Concrete Chamber. Include operating on/off switch in cabinet.

Replace existing cable with new winch cable, drill new 37mm hole and construct a cable cover from existing outlet chamber to winch.



Mount Lockable Steel Equipment box rated NEMA 6P (IP68) to existing concrete pad with Stainless Steel concrete anchor bolts. Install new winch (Sherpa ATV 4,500 Lb SATVW4512VT or approved equivalent).
 ALTERNATE POWER WINCH: Thern Series 4WP2D High Speed Worm Gear Portable Power Winch
 ALTERNATE HAND WINCH: No electrical supply needed. Thern Series Model 4WM2 Manual Worm Gear Winch

Contractor to align relocated winch cable to clear existing Maintenance Access lid.



NOTES:
 1. DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE DONE TO THEM.

SPATIAL DATA:

- HORIZONTAL DATUM: UTM NAD83-CSRS ZONE 17N
- VERTICAL DATUM: CGVD28-1978
- ACCURACY: ABSOLUTE HORIZONTAL AND VERTICAL POSITIONAL ACCURACIES OF ±0.02m

LEGEND

	EXISTING DITCH BOTTOM (NPCA DEM DATA)
	EXISTING DITCH BOTTOM (SURVEYED)
	HISTORICAL GRADELINE
	PROPOSED DRAIN GRADELINE-EWA, 2022
	LEFT BANK
	RIGHT BANK
	EXISTING DRAIN SECTION
	EXISTING STRUCTURE DETAILS
	ASSUMED EXISTING STRUCTURE DETAILS
	EXISTING DRAIN ELEVATION
	PROPOSED DRAIN CENTERLINE ELEVATION
	PROPOSED DRAIN ELEVATION (WHERE MATCHES EXISTING ELEVATION)
	DATA POINT FROM HISTORICAL DESIGN GRADELINE RVA, 1979
	BRIDGE STRUCTURES
	WATER LEVEL FROM SURVEY DATA, INDICATIVE

GENERAL:

1. The Contractor shall submit shop drawings in accordance with contract requirements, GC 3.8 of CCDC2 and as revised in any Supplementary General Conditions.
2. Shop drawings are to be prepared and submitted by Trade completing the work and reviewed and stamped by an Engineer where indicated.
3. The Contractor shall check, sign and make notations they consider necessary on shop drawings coordinated with the Contract Documents and the Work before each submission.

PROTECTION OF WORK + PROPERTY

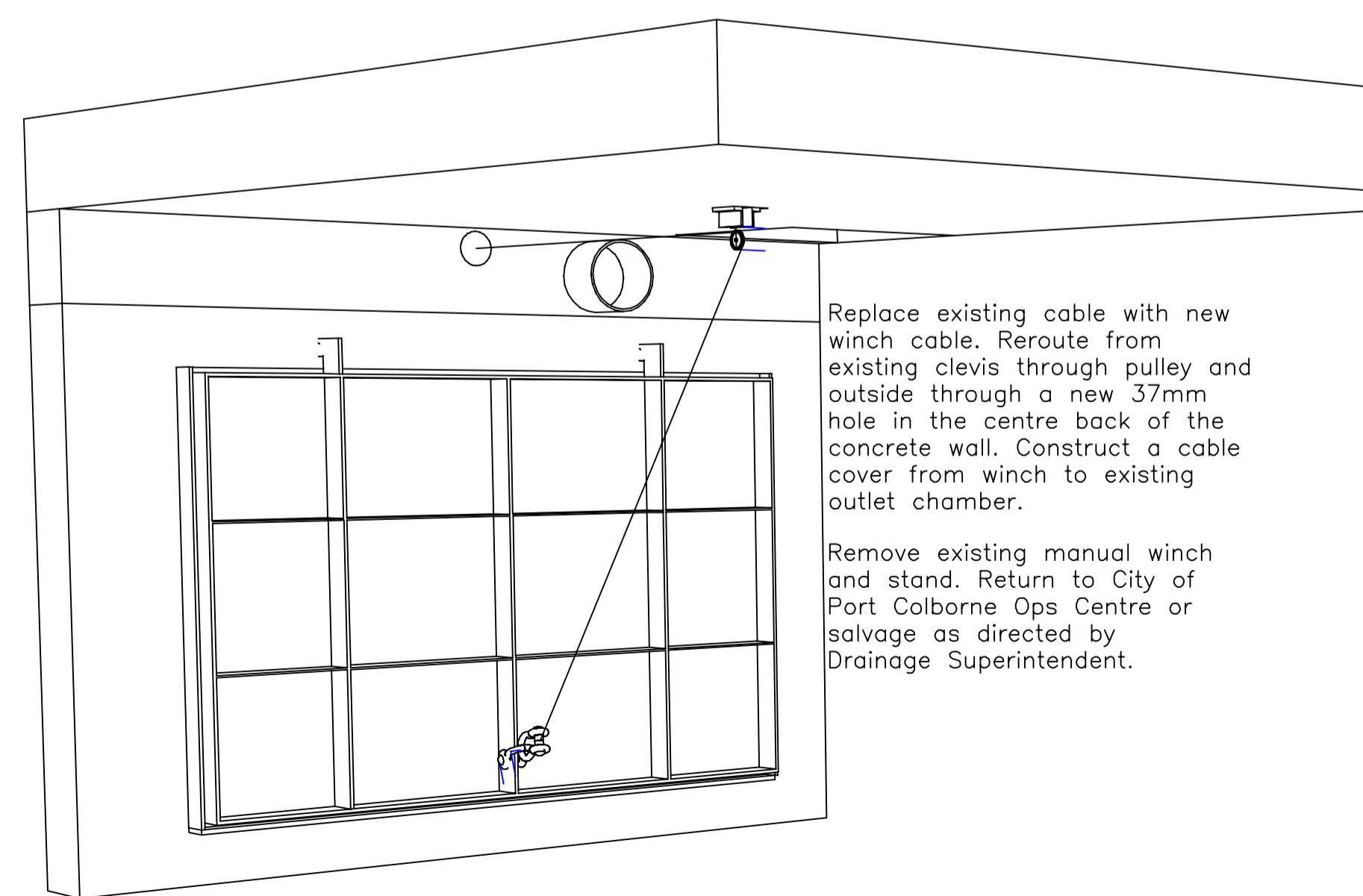
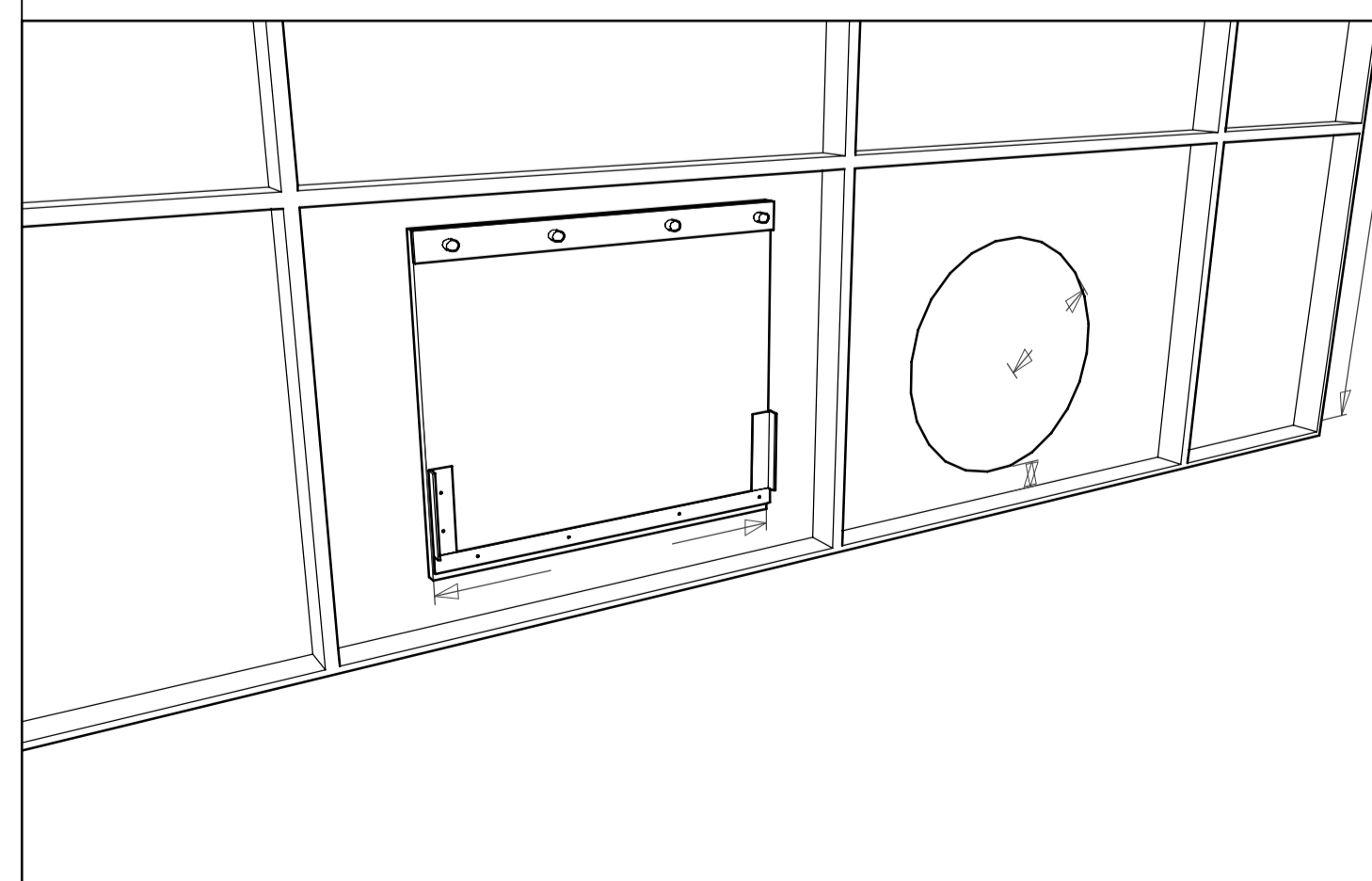
1. Provide the necessary methods, materials and construction to ensure that no damage or harm to the work, materials and property results from the work of this Contract.
2. Protect excavated areas and in progress work from frost, water from natural sources including wind and wave action.
3. Keep excavation and pits free of water. Pump dry as required.
4. Protect adjacent private and public property from damage and, if damaged, make good to match in all details. Re-sod and re-plant to original or better condition.
5. Contractor is responsible for access to the site and protecting the public from harm during construction. Contractor to ensure access for emergency vehicles is maintained at all times.

NO.	REVISION DESCRIPTION	DATE
3	ISSUED FOR REPORT 70%	APR 14, 2022
2	ISSUED FOR REPORT 50%	JAN 17, 2022
1	ISSUED FOR BASELINE REPORT	JUNE 21, 2021

**OIL MILL CREEK DRAIN
 Proposed Outlet Improvement**
 STA 0+000 to 0+225

Cover each hole with a 400mm wide 400mm tall PE flap gate constructed of 7mm PE flexible material with 25mm angle SS bottom edges. Fixed to steel panel with SS 12mm bolts (4) and 25mmx5mm SS flat bar.

Cut two (2) 300mm diameter circular holes in the existing central steel panels. Bottom of each to be not more than 35mm above the bottom steel frame.

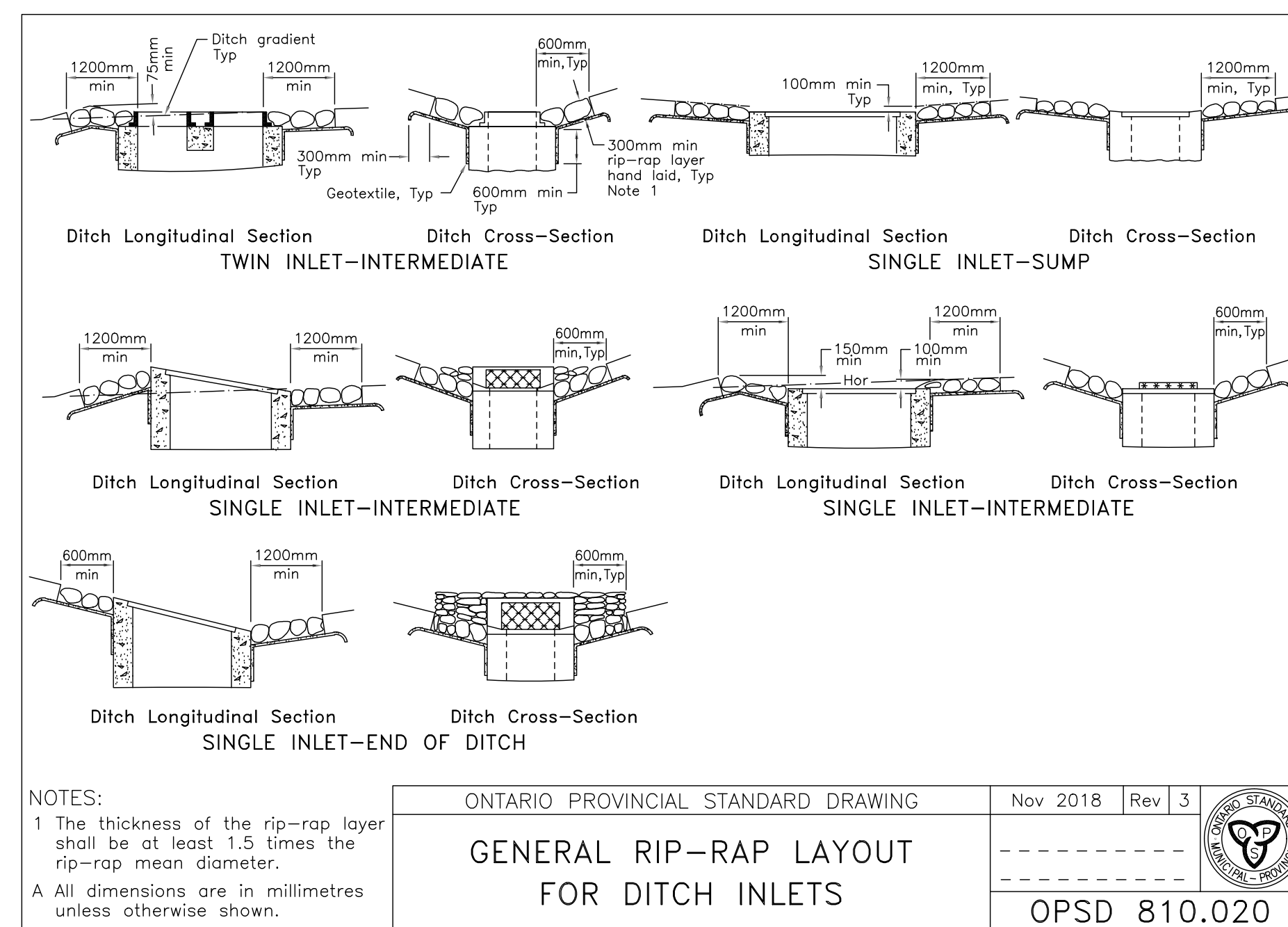
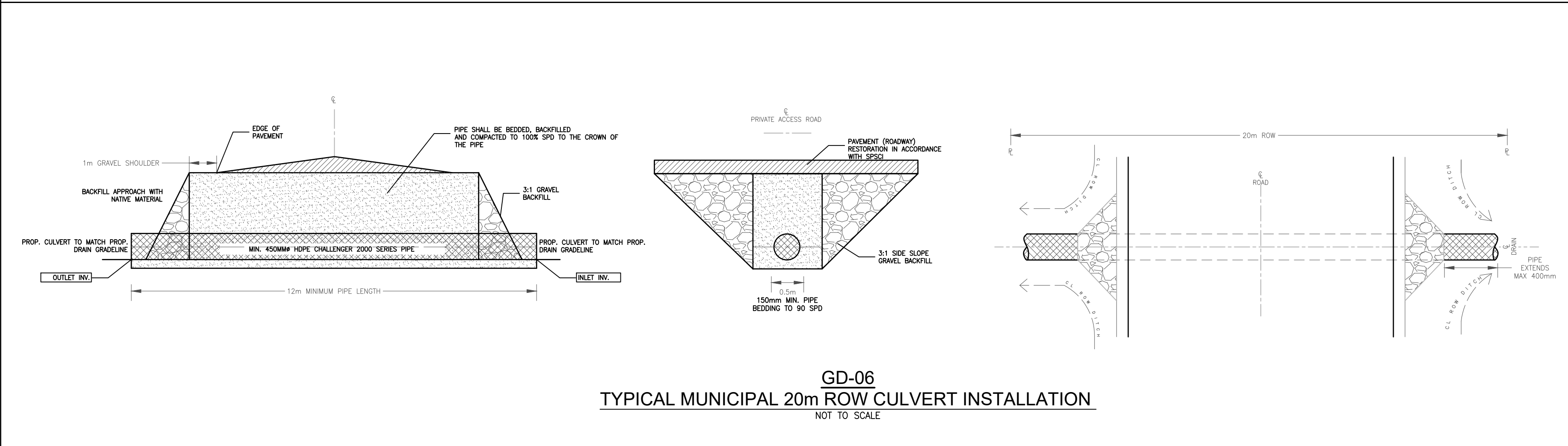
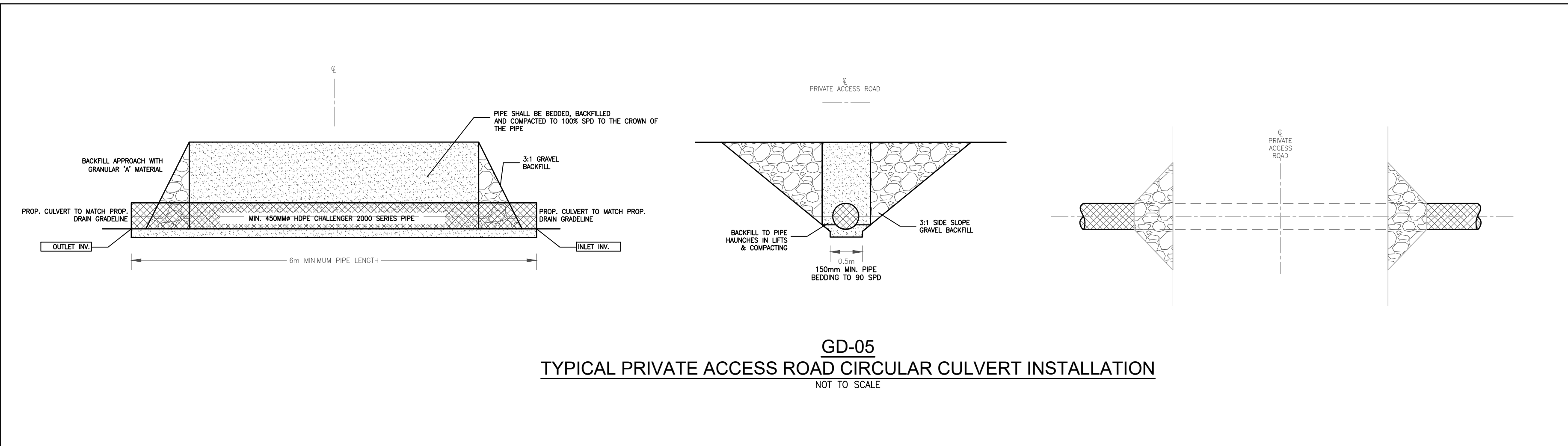
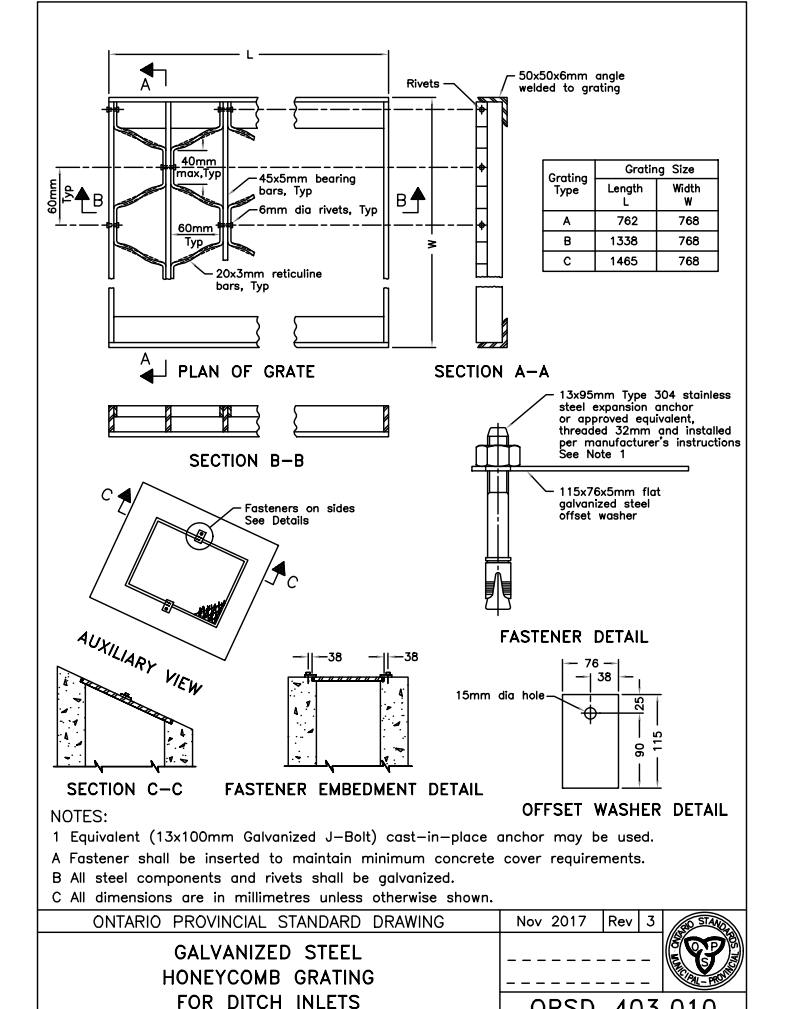
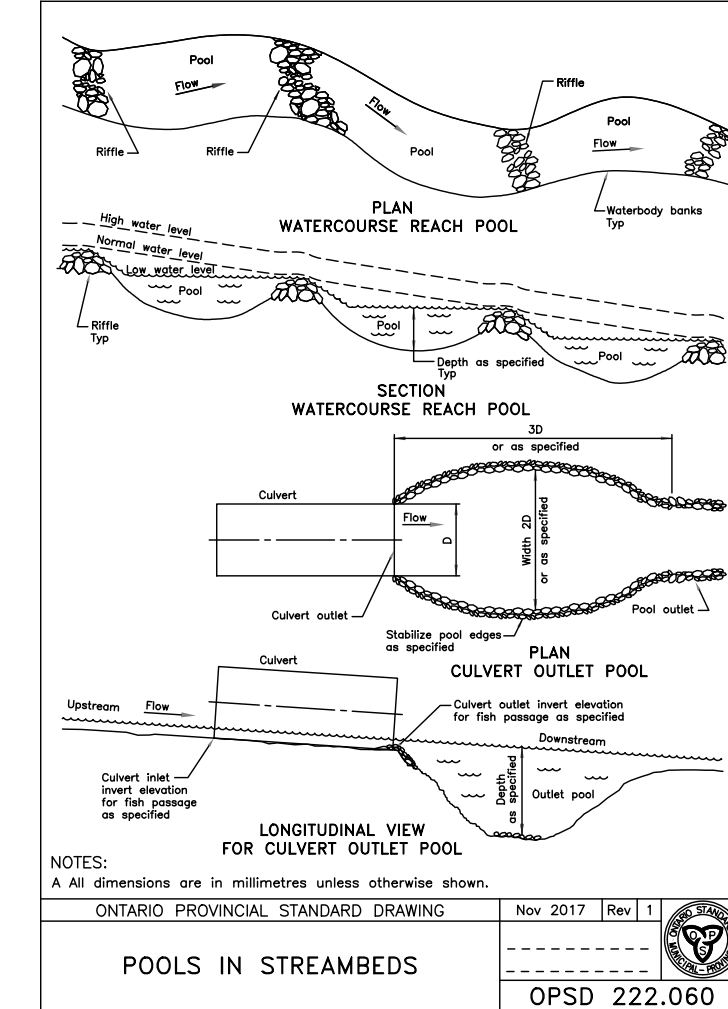
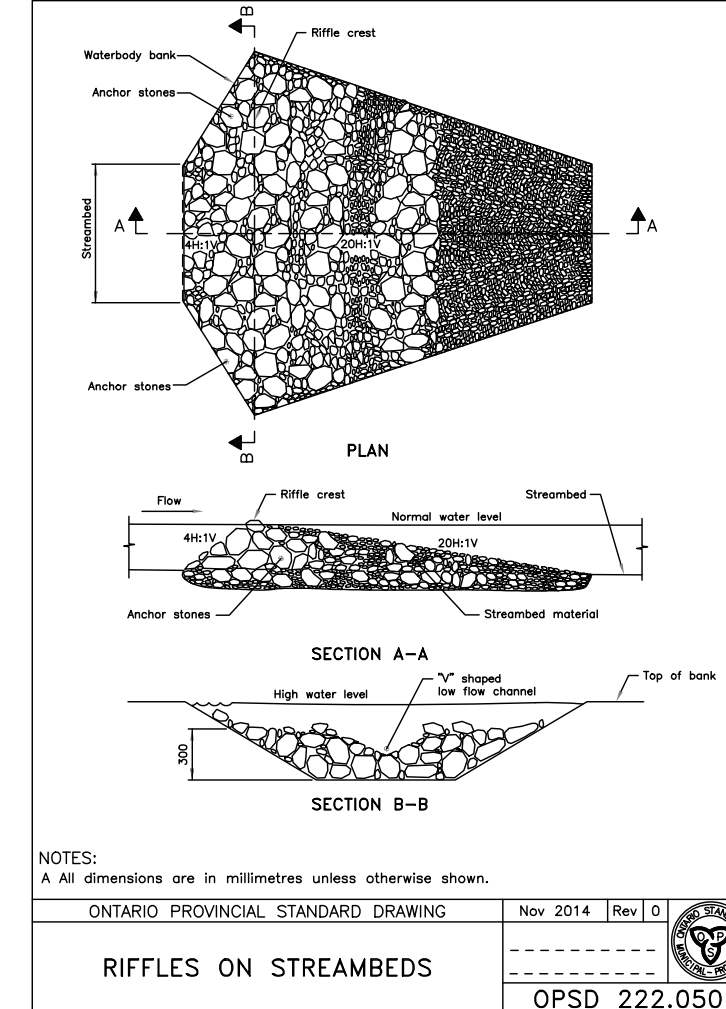
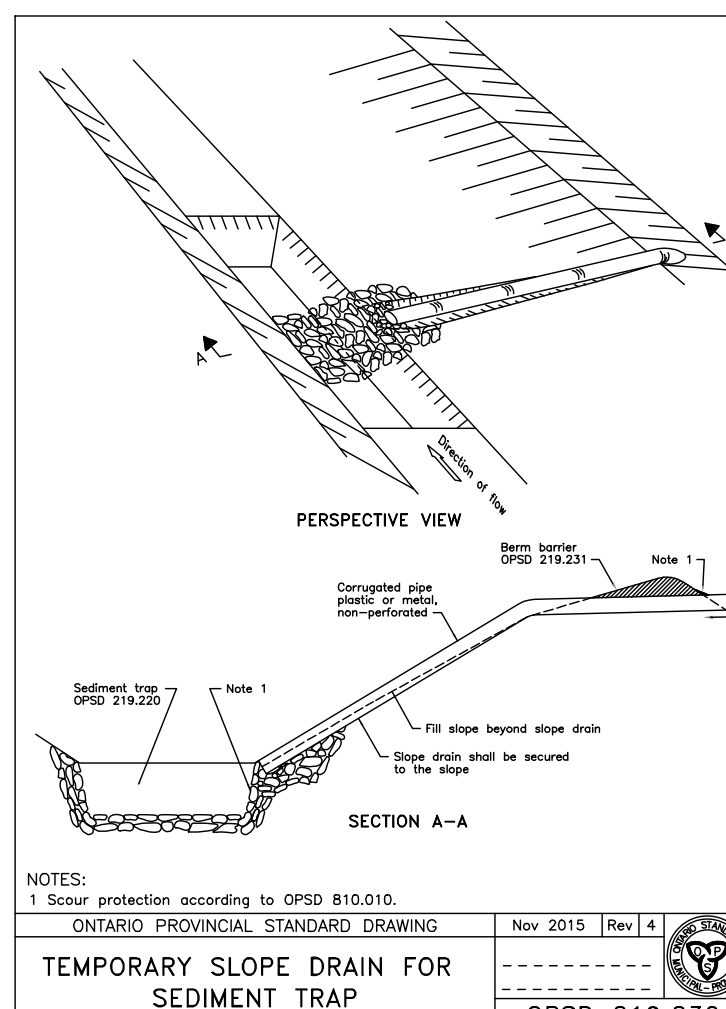
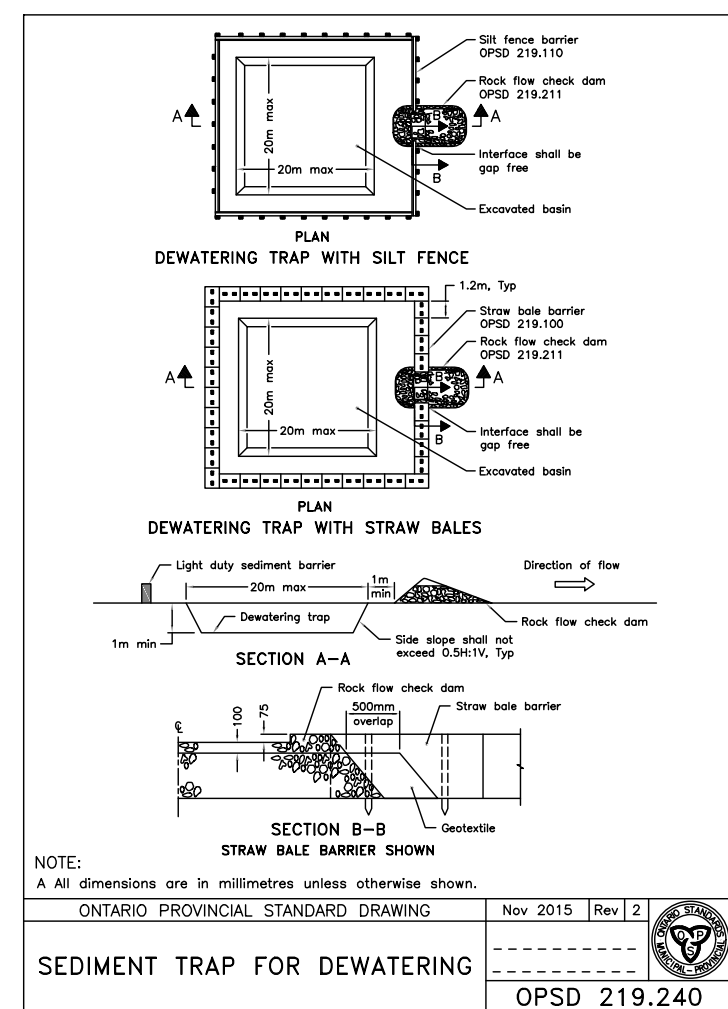
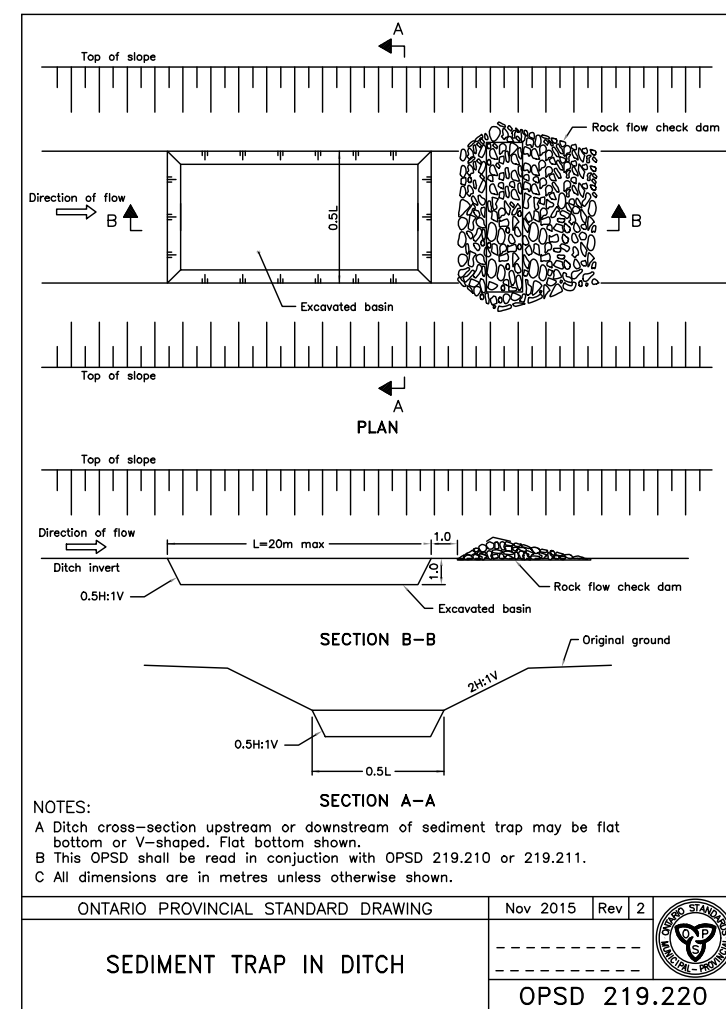
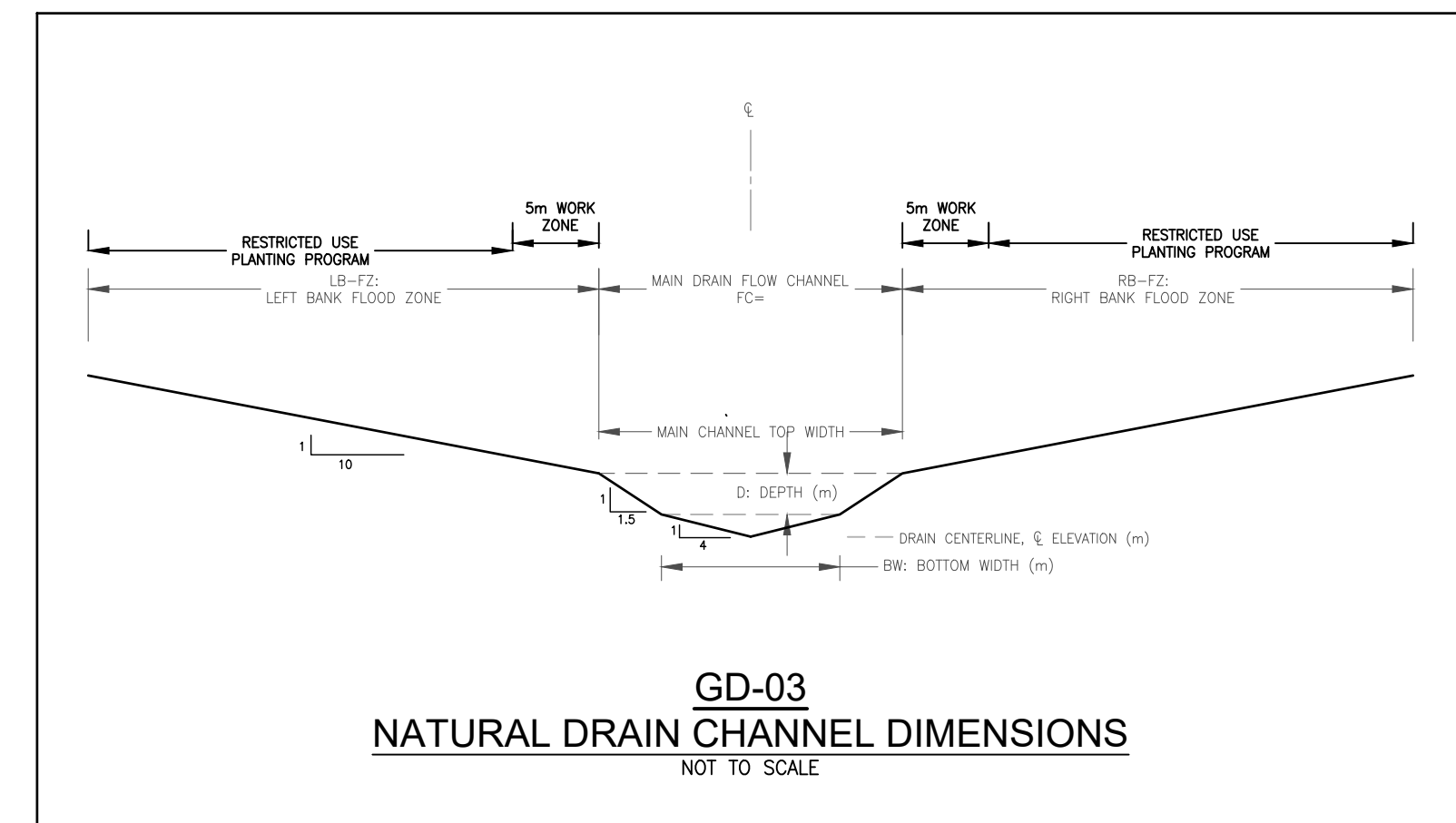
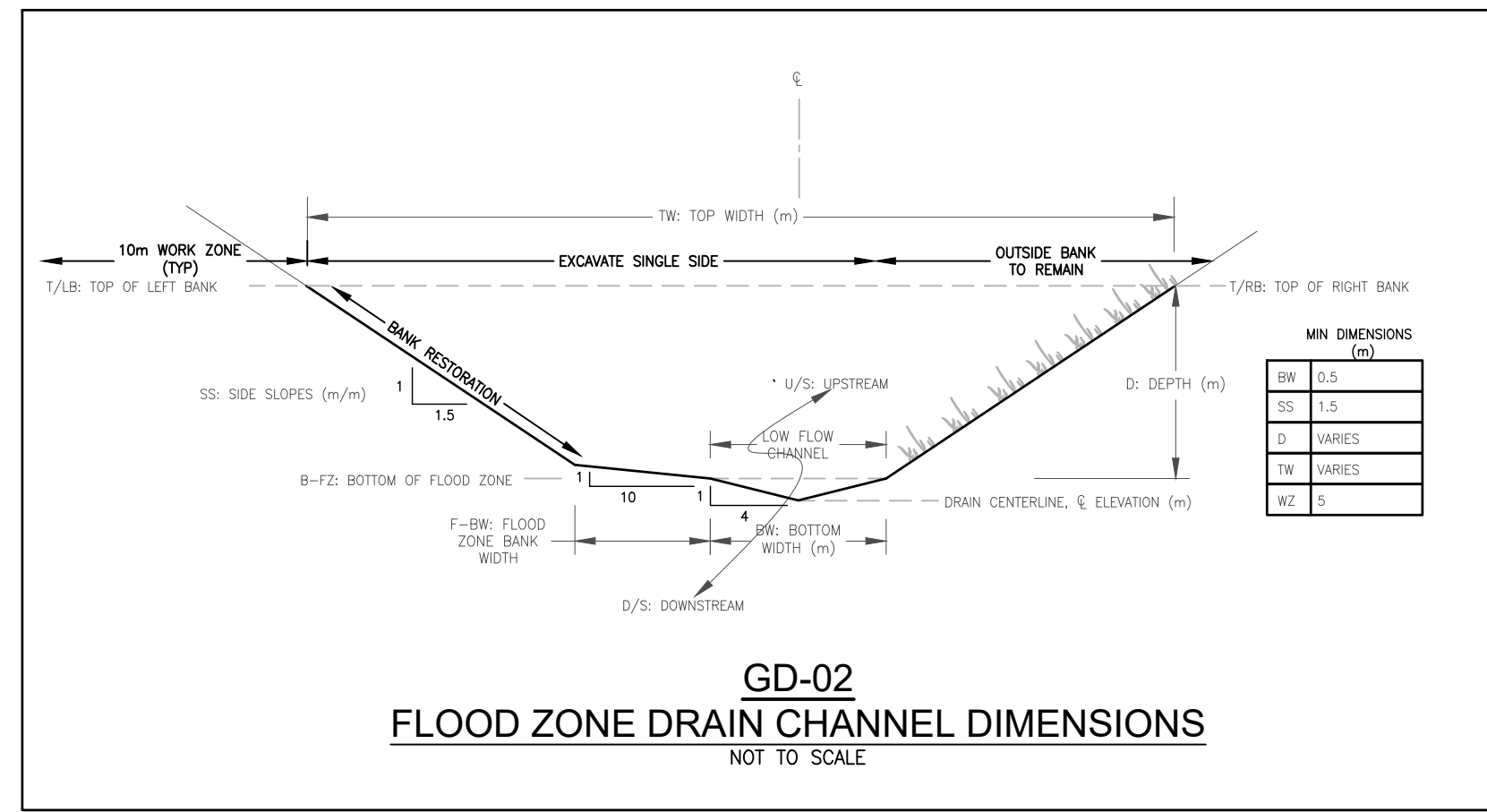
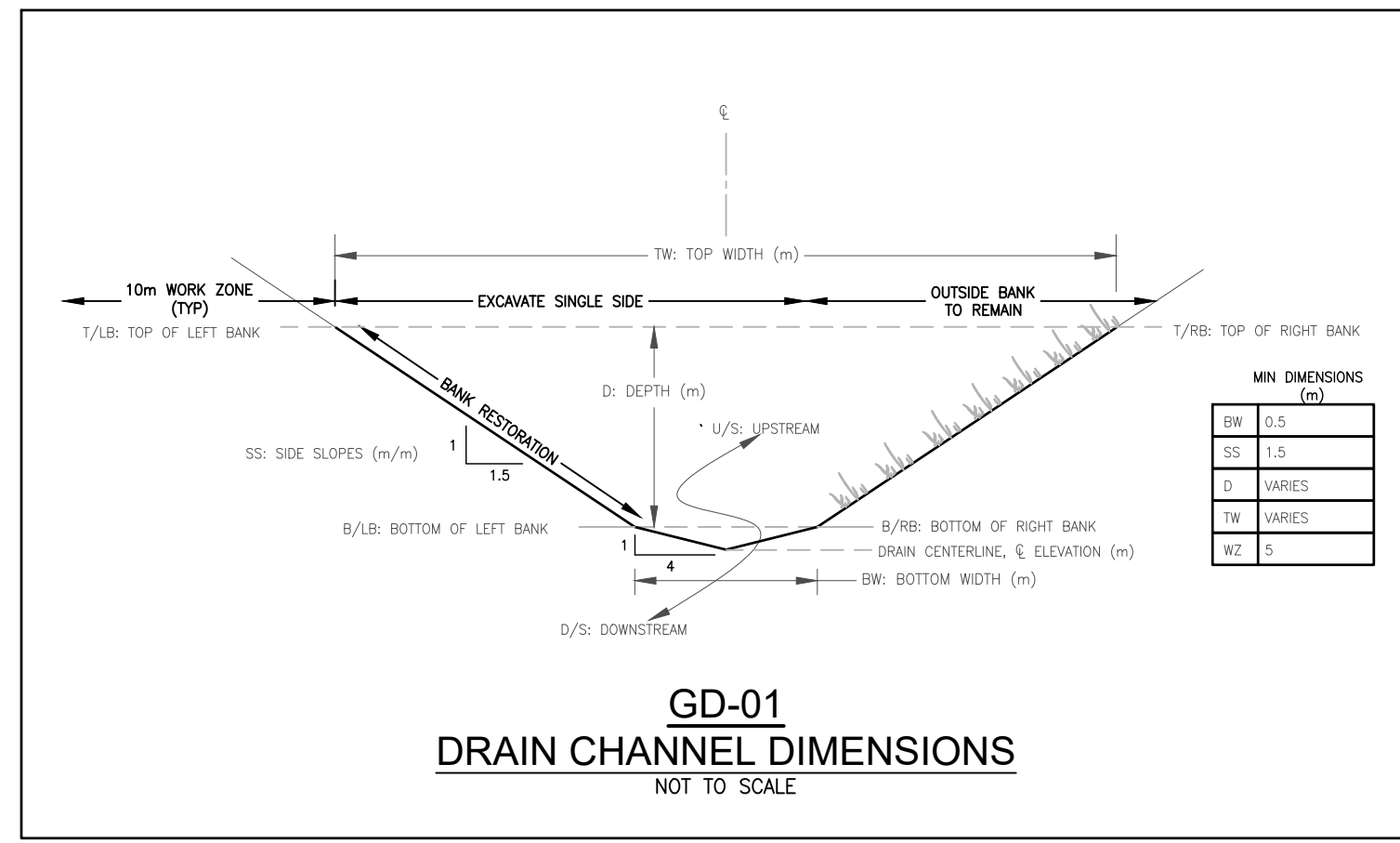


Replace existing cable with new winch cable. Reroute from existing clevis through pulley and outside through a new 37mm hole in the centre back of the concrete wall. Construct a cable cover from winch to existing outlet chamber.

Remove existing manual winch and stand. Return to City of Port Colborne Ops Centre or salvage as directed by Drainage Superintendent.



DRAWN BY : TJF	APPROVED BY : PCM	PROJECT NO. : -	DRAWING NO. : 0-1
DESIGNED BY : PCM	DATE : 14-APR-22	SCALE : H=1:2500 V=1:25	



OIL MILL CREEK MUNICIPAL DRAIN

DRAFT

DRAWN BY : TJF	APPROVED BY : PCM	PROJECT NO. : -	DRAWING NO. : OM.GD
DESIGNED BY : PCM	DATE : 06-DEC-22	SCALE : N/A	

CITY OF PORT COLBORNE DRAINAGE CONTACTS:

APPOINTED DRAINAGE ENGINEER:

MR. PAUL C. MARSH, P.ENG.
EWA ENGINEERING INC.
37 CHADWICK AVENUE, GUELPH, ONTARIO N1H 3E7
PCMARSH@EWAENG.COM
647.400.2824

DRAINAGE SUPERINTENDENT:

ALANA VANDER VEEN
DRAINAGE SUPERINTENDENT
1 KILLALY STREET WEST, PORT COLBORNE, ONTARIO L3K 6H1
TEL: 905-835-2901 EXT. 291
ALANA.VANDERVEEN@PORTCOLBORNE.CA

DEPARTMENT OF FISHERIES AND OCEANS:

867 LAKESHORE RD
BURLINGTON ON L7S 1A1
TELEPHONE: 905-336-4999
EMAIL: INFO@DFO-MPO.GC.CA

MINISTRY OF NATURAL RESOURCES AND FORESTRY

ELIZABETH REIMER
ADMINISTRATION BUILDING
4890 VICTORIA AVE N
VINELAND STATION, ON LOR 2E0
905-562-4147

NIAGARA PARKS CONSERVATION AUTHORITY, NPCA

DIRECTOR, WATERSHED MANAGEMENT
NIAGARA PENINSULA CONSERVATION AUTHORITY
250 THOROLD ROAD WEST, 3RD FLOOR
WELLAND, ON, L3C 3W2
P: 905-788-3135 EXT. 229
F: 905-788-1121
WWW.NPCA.CA

GENERAL NOTES:

THE CITY SHALL ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ALL CONSTRUCTION MATERIALS AND METHODOLOGIES SHALL BE IN ACCORDANCE WITH:

- SPECIAL PROVISIONS - SUPPLEMENTARY GENERAL CONDITIONS (SPSGC)
- SPECIAL PROVISIONS - SUPPLEMENTARY CONTRACT ITEMS (SPSCI)
- NIAGARA PENINSULA STANDARD CONTRACT DOCUMENTS (NPSCD)
- ONTARIO PROVINCIAL STANDARDS FOR ROADS & PUBLIC WORKS (OPSS & OPSD)

AND ANY OTHER APPLICABLE STANDARDS THAT MAY APPLY.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THESE MATERIALS AND METHODOLOGIES ARE STRICTLY ADHERED TO.

THE CITY OF PORT COLBORNE AND STAFF DISCLAIMS ANY LIABILITY AS TO THE CURRENT ACCURACY OF THE DRAWINGS PROVIDED. IN USING THE INFORMATION SHOWN OR CONTAINED ON THESE DRAWINGS, THE USER AGREES IMPLICITLY AND EXPLICITLY THAT THE CITY OF PORT COLBORNE AND STAFF SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES ARISING FOR THE USE OF SUCH INFORMATION. THE USER SHALL DO AN IN-FIELD VERIFICATION OF THE INFORMATION SHOWN ON OR CONTAINED WITHIN THESE DRAWINGS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY APPROVALS WHICH MAY BE REQUIRED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION UNLESS DIRECTED OTHERWISE BY THE CONTRACT ADMINISTRATOR.

DIMENSIONING SHALL GOVERN OVER SCALED DIMENSIONS.

ANY WORKS COMPLETED IN SET-BACK AREAS, AND DISCHARGE TO CREEKS, STREAMS AND WATERCOURSES MAY BE SUBJECT TO FEDERAL AND PROVINCIAL APPROVALS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN SUCH APPROVALS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IF REQUIRED FOR THE PROJECT.

PUBLIC UTILITIES:

THE CONTRACTOR SHALL NOTE THAT PUBLIC UTILITIES SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING, HYDRO, GAS, BELL, CABLE AND FIBRE OPTIC.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE NECESSARY CLEARANCES FROM SAID PUBLIC UTILITIES WHICH MAY BE IN DIRECT CONFLICT WITH THIS PROJECT.

ANY WORK REQUIRING EITHER RELOCATION/LOWERING OF SAID PUBLIC UTILITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY, AND ANY WORKS WILL BE REQUIRED TO BE COMPLETE PRIOR TO THE INSTALLATION OF THE WORK.

ENVIRONMENTAL COMPLIANCE:

THE CONTRACTOR SHALL PREPARE AN ENVIRONMENTAL MANAGEMENT PLAN (EMP) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE EMP WILL ADDRESS THE FOLLOWING MAJOR SUBJECT AREAS:

- EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION
- TREE PROTECTION & REMOVAL (SAR - BUTTERNUT)
- MINIMIZE AND/OR MITIGATION MEASURES FOR CONSTRUCTION IMPACTS ON SPECIES AND SPECIES HABITAT INCLUDING STOPPING CONSTRUCTION PROCEDURES.
- AGENCY CONTACTS - IDENTIFY RESOURCES & CONTACT INFO.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH SPECIES AT RISK (SAR) LEGISLATION. BY LAW, YOU MUST IMMEDIATELY:

- AVOID DRAINAGE WORK DURING REPRODUCTION AND REARING SEASONS
- PREVENT A SPECIES FROM ENTERING THE WORK AREA (E.G. PUTTING UP A FENCE)
- GIVE THE SPECIES ADEQUATE TIME TO LEAVE THE AREA, BEFORE STARTING WORK
- GET ADVICE/HELP BEFORE YOU MOVE IT
- PROTECT AREAS THAT ARE IMPORTANT TO THE SPECIES (E.G. SPAWNING AREAS)
- CONTROL EROSION AND SEDIMENT
- STABILIZE WATER BANKS IN AFFECTED AREAS

TURTLES:

- YOU CANNOT REDUCE THE AMOUNT OF WATER IN A DRAIN OR DITCH WHERE A TURTLE IS HIBERNATING.

ABBREVIATIONS USED:

- BD - SEDIMENT BASIN BOTTOM DEPTH (FROM GRADE LINE)
- BL - SEDIMENT BASIN LENGTH
- BOD - BEGINNING OF DRAIN
- BW - BOTTOM WIDTH OF CHANNEL
- CL - CENTRELINE OF ROAD, CHANNEL
- CLCK - CENTRELINE OF CREEK OR CHANNEL
- D - DEPTH
- E - EASTING
- ELEV - ELEVATION
- EX. - EXISTING
- INV - INVERT
- LB - LEFT BANK, LOOKING UPSTREAM
- N - NORTHING
- PL - PROPERTY LINE
- PR. - PROPOSED
- RB - RIGHT BANK, LOOKING UPSTREAM
- RH - RIFFLE HEIGHT
- ROW - RIGHT OF WAY
- SS - SIDE SLOPE; RUN(m)/RISE, WHERE RISE=1m
- SB - SEDIMENT BASIN
- T/C - TOP OF CONCRETE
- T/B - TOP OF BANK
- TW - TOP WIDTH OF CHANNEL
- TYP - TYPICAL
- WZ - WORK ZONE
- EOD - END OF DRAIN
- U/S - UPSTREAM
- D/S - DOWNSTREAM

OPSD REFERENCED DETAILS:

- OPSD 219.200
- OPSD 219.220
- OPSD 222.050
- OPSD 400.020
- OPSD 403.010
- OPSD 705.040
- OPSD 803.010

OIL MILL CREEK MUNICIPAL DRAIN			
DRAFT			
DRAWN BY :		APPROVED BY :	
TJF		PCM	
DESIGNED BY :		PROJECT NO. :	
PCM		-	
DATE :		SCALE :	
06-DEC-22		N/A	
			DRAWING NO. : OM.CN



Section 74/78 & Section 4 Works under the Municipal Drainage Act.

Oil Mill Creek Summary of Proposed Works

Eligible Administration Costs		\$228,560.16
Previous Construction Works Completed but not Assessed		\$0.00
Estimated Cost of Construction		
Construction Management Estimated Costs	\$	41,000.00
Section 4 - Petition by Road Authority		
Proposed Bell Branch Drain	\$	5,070.00
Proposed Tracy Terrace Branch Drain	\$	4,405.00
Proposed Richard Avenue Branch Drain	\$	9,260.00
Tammy Ave. Outlet of the Proposed Bell Branch Drain	\$	4,630.00
Section 78 - Proposed Improvements for Construction		
OMC Outlet Improvements	\$	27,637.50
West Branch Drain Improvements - 968m	\$	76,360.00
Oil Mill Creek Improvements - 0+360 to 0+480 Centennial Wetland	\$	124,515.40
Section 74 - Maintenance Works for Construction		
E3 Branch Drain	\$	9,445.00
E2 Branch Drain	\$	13,300.00
Interval E1 Branch Drain Sta 0+515 to 0+880	\$	11,975.00
Interval E1 Branch Drain From Sta 0+875 to Sta 1+277 - 400m	\$	7,455.00
Oil Mill Creek Drain - Upper Watershed	\$	43,850.00
	Sub-Total Estimated Cost of Construction	\$378,902.90
Drain Allowances		
Proposed Bell Branch Drain	\$	4,693.19
Proposed Tracy Branch Drain	\$	968.91
Proposed Richard Branch Drain	\$	10,074.20
	Sub-Total Drain Allowances	\$15,736.31
	Forecasted Total Costs	\$623,199.37
Assessment Schedule		
Benefit Assessment (Section 22)		\$0.00
	Total - Benefit Assessment (Section 22)	\$0.00
Outlet Liability Assessment (Section 23)		
Private Lands		\$491,647.99
Road Right of Way Lands		\$68,528.20
	Total - Outlet Liability Assessment (Section 23)	\$560,176.19
Special Benefit Assessment (Section 24)		
Richard Branch		\$857.28
Tracy Branch		\$0.00
Tammy of Bell Branch		\$0.00
Bell Branch		\$0.00
Cedar of E1 Branch		\$1,113.35
E1 Branch		\$4,082.27
West Branch		\$23,951.77
E2 Branch		\$13,063.25
E3 Branch		\$2,208.14
OMC Upper		\$14,306.49
OMC Middle - Centennial Wetland		\$0.00
OMC - Outlet works		\$0.00
	Total - Special Benefit Assessment (Section 24)	\$59,582.54
Special Assessments (Section 26)		
Richard Branch		
Tracy Branch		
Tammy of Bell Branch		
Bell Branch		
Cedar of E1 Branch		
E1 Branch		
West Branch		
E2 Branch		
E3 Branch		
OMC Upper		
Niagara Regional Broadband Network, (NRBN)	\$	3,440.63
OMC Middle - Centennial Wetland		
OMC - Outlet works		
City of Port Colborne		
	Total - Special Assessments (Section 26)	\$3,440.63
	Forecasted Total Assessments	\$623,199.37
		\$0.00



Oil Mill Creek Municipal Drain
 City of Port Colborne
 Regional Municipality of Niagara

Assessment Summary

Farm As 'F'	Owner	Legal_Txt	Roll No	ARN ABBREV	Area Ha	Area in Drain Ha	Sect. 23	Sect. 24	Total Assessed	Allowances	Net
	City of Port Colborne - Lands Assessed										
	AZZOPARDI, THERESA FRANCES	CON 1 PT LOT 12	271104000226100	226100	3.8339	0.8620	\$2,864.31		\$2,864.31	\$0.00	\$2,864.31
	BRYAN, MILDRED AGNES	CON 1 PT LOT 12 RP 59R12293 PART 2	271104000226200	226200	3.6457	0.4970	\$1,653.85		\$1,653.85	\$0.00	\$1,653.85
	SNEEK, GREGORY ALAN; SNEEK, ARIANE KATRINA	CON 1 PT LOT 12 RP 59R12293 PART 1	271104000226210	226210	0.4046	0.4020	\$1,335.52		\$1,335.52	\$0.00	\$1,335.52
F	BULGER, CAROL ANN	CON 1 PT LOT 12	271104000226300	226300	3.8977	0.8720	\$2,895.34		\$2,895.34	\$0.00	\$2,895.34
	RIZZI GIOVANNI ESTATE; RIZZI, MENA	CON 1 PT LOT 12	271104000226301	226301	10.0639	0.5330	\$1,379.35		\$1,379.35	\$0.00	\$1,379.35
	SCHUIT, JOHN; DUMA, PAMELA SUSAN	HUMERSTONE CON 1 PT LOT 12	271104000226400	226400	9.4729	3.1000	\$4,110.41		\$4,110.41	\$0.00	\$4,110.41
	DUMA, PAMELA SUSAN; SCHUIT, JOHN	HUMERSTONE CON 1 PT LOT 12 RP 59R15490 PART 3	271104000226402	226402	0.9997	1.0000	\$1,309.99		\$1,309.99	\$0.00	\$1,309.99
	KLAUCK, WESLEY; KLAUCK, LISA	HUMERSTONE CON 1 PT LOT 12 RP 59R15490 PART 2	271104000226403	226403	0.9997	0.8030	\$1,025.33		\$1,025.33	\$0.00	\$1,025.33
	TAVANO, ANTONIO FELICE	HUMERSTONE CON 1 PT LOT 12 RP 59R15490 PART 1	271104000226404	226404	0.9997	0.3220	\$389.89		\$389.89	\$0.00	\$389.89
	BOSLEY, MARY ANN; BOSLEY, ROBERT J	HUMERSTONE CON 1 PT LOT 12 RP 59R7346 PT PART 1	271104000226417	226417	6.4219	3.3000	\$4,397.00		\$4,397.00	\$0.00	\$4,397.00
	BABIRAD, RACHAEL LYNN	CON 1 PT LOT 12 PLAN 59R-6139 PART 1	271104000226418	226418	0.4044	0.4040	\$897.93		\$897.93	\$0.00	\$897.93
	BABIRAD, RACHAEL LYNN	CON 1 PT LOT 12 RP59R-6139 PART 2	271104000226419	226419	0.4044	0.4040	\$897.94		\$897.94	\$0.00	\$897.94
	FORDY, MARY ANN; FORDY, BRUCE GLEN	CON 1 PT LOT 12 RP59R-6139 PART 3	271104000226420	226420	0.4045	0.3950	\$876.80		\$876.80	\$0.00	\$876.80
	MINOR, MARK FRANKLIN; CHRISTIE MINOR, AMBER NOELLE	HUMERSTONE CON 1 PT LOT 12 RP 59R16386 PART 1	271104000226422	226422	1.0009	0.7390	\$985.13		\$985.13	\$0.00	\$985.13
	MINOR, ANNE CATHERINE; MINOR, MORGAN PAUL	HUMERSTONE CON 1 PT LOT 12 RP 59R16386 PART 2	271104000226423	226423	1.0010	0.7480	\$996.32		\$996.32	\$0.00	\$996.32
	THOMSON, WAYNE ROBERT; BROWN, NANCY ANN	PLAN 24 PT LOT 1 NP783	271104000226500	226500	0.1635	0.0210	\$23.18		\$23.18	\$0.00	\$23.18
	HRABOWSKY, YVONNA VLADISLAVA	PLAN 24 S PT LOT 1 NP783	271104000226800	226800	0.1705	0.0210	\$23.24		\$23.24	\$0.00	\$23.24
	MCWHINNIE, ELLEN	PLAN 24 LOT 27 PT LOT 26 NP 783 RP59R 8197 PART 1	271104000229000	229000	0.1579	0.0170	\$18.71		\$18.71	\$0.00	\$18.71
	MAFFEI, CHERYL; MAFFEI, TERRY	PLAN 24 LOT 28 LOT 29 NP783	271104000229100	229100	0.2125	0.0310	\$34.27		\$34.27	\$0.00	\$34.27
	KAVANAGH, RUTH	PLAN 24 LOT 30 NP783	271104000229200	229200	0.1076	0.0060	\$0.98		\$0.98	\$0.00	\$0.98
	VESPER, DEBORAH SUZZANE	PLAN 36 LOT 1 NP795	271104000229500	229500	0.0690	0.0690	\$153.24		\$153.24	\$0.00	\$153.24
	VESPER, DEBORAH	PLAN 36 LOT 2 NP795	271104000229600	229600	0.0710	0.0710	\$123.81		\$123.81	\$0.00	\$123.81
	MARQUES, SILVINO MIGUEL DA CRUZ; PEREIRA MARQUES, MARIA	PLAN 795 LOTS 3 AND 4	271104000229700	229700	0.1152	0.1150	\$37.47		\$37.47	\$0.00	\$37.47
	MOORE, HARRY JR; MOORE, CAROL	PLAN 36 LOT 5 LOT 6 NP795	271104000229900	229900	0.1826	0.1830	\$203.12		\$203.12	\$0.00	\$203.12
	SCHULTZ, WINKLEY JANE; SCHULTZ, DOUGLAS ALLEN	PLAN 36 LOT 7 NP795	271104000230000	230000	0.0914	0.0910	\$99.33		\$99.33	\$0.00	\$99.33
	ALEXANDER, KATHRYN RUTH	PLAN 36 LOT 8 NP795	271104000230100	230100	0.0915	0.0910	\$97.96		\$97.96	\$0.00	\$97.96
	DE OCAMPO, MARTINIANO; DE OCAMPO, AMELIA	PLAN 36 LOT 9 NP795	271104000230200	230200	0.0916	0.0920	\$96.90		\$96.90	\$0.00	\$96.90
	ZIEMIANSKI, DEREK; HOCHREITER, MELISSA MAY	PLAN 36 LOT 10 NP795	271104000230300	230300	0.0916	0.0920	\$95.53		\$95.53	\$0.00	\$95.53
	VAN ESCH, STEVEN CARMEN; VAN ESCH, KAITLIN MICHELLE	PLAN 36 LOT 11 NP795	271104000230400	230400	0.0917	0.0920	\$94.15		\$94.15	\$0.00	\$94.15
	GAME, RYAN DOUGLAS; GAME, RENEE MARIE	PLAN 36 LOT 12 NP795	271104000230500	230500	0.0918	0.0920	\$92.77		\$92.77	\$0.00	\$92.77
	MCCOMBE, LAURIE; DEROSE, LEONARDO	PLAN 36 LOT 13 NP795	271104000230600	230600	0.0918	0.0920	\$91.39		\$91.39	\$0.00	\$91.39
	DEROSE, LEONARDO; MCCOMBE, LAURIE	PLAN 36 LOT 14 PT LOT 15 NP795	271104000230700	230700	0.1077	0.1080	\$88.95		\$88.95	\$0.00	\$88.95
	HALL, JILLIAN; HALL, BRIAN	PLAN 36 PT LOT 15 PT LOT 16 NP795	271104000230800	230800	0.0409	0.0410	\$13.36		\$13.36	\$0.00	\$13.36
	NORMAN, ERNEST J; NORMAN, LOIS A	PLAN 36 PT LOT 16 PT LOT 17 NP795	271104000230900	230900	0.0490	0.0490	\$15.96		\$15.96	\$0.00	\$15.96
	MAHONEY, BRIAN	PLAN 36 PT LOT 17 PT LOT 18 NP795	271104000231000	231000	0.0327	0.0330	\$10.75		\$10.75	\$0.00	\$10.75
	WILSON, ROBERT FRED JOHN; CANAVAN, WENDY ELIZABETH; WILSON, KIM GREGORY	PLAN 36 PT LOT 18 PT LOT 19 NP795	271104000231100	231100	0.0394	0.0390	\$12.71		\$12.71	\$0.00	\$12.71
	PJDB PROPERTIES INC	PLAN 36 PT LOT 19 NP795	271104000231200	231200	0.0387	0.0390	\$12.71		\$12.71	\$0.00	\$12.71
	LANDON, HANKLIN LIVINGSTONE	PLAN 36 PT LOT 20 NP795	271104000231300	231300	0.0277	0.0280	\$9.12		\$9.12	\$0.00	\$9.12
	SWARTZ, DEBORAH ANN LOUISE; SWARTZ, DOUGLAS	PLAN 36 PT LOT 20 NP795	271104000231400	231400	0.0263	0.0260	\$8.47		\$8.47	\$0.00	\$8.47
	SOUDER, CATHERINE R	PLAN 795 SAND BEACH	271104000231501	231501	0.5595	0.0230	\$3.00		\$3.00	\$0.00	\$3.00
	MEYER, PETER; SAHS-MEYER, EVA-LYN	PLAN 36 LOT 32 NP795	271104000232700	232700	0.0835	0.0260	\$3.39		\$3.39	\$0.00	\$3.39
	DEMERY, RUTA; DEMERY, GEORGE	PLAN 36 LOT 33 NP795	271104000232800	232800	0.0874	0.0540	\$7.04		\$7.04	\$0.00	\$7.04

PARR, MARTIN JOHN; PARR, LINDSEY MARIE	PLAN 36 LOT 34 NP795	271104000232900	232900	0.0912	0.0870	\$11.34	\$11.34	\$0.00	\$11.34	
NARDONE, WILMA; NARDONE, JESSICA	PLAN 36 PT LOT 35 NP795	271104000233000	233000	0.0254	0.0250	\$3.26	\$3.26	\$0.00	\$3.26	
PRUYN, FRANCIS MATHEUS ROBERT; PRUYN, HENRIETTE	PLAN 36 PT LOT 35 NP795	271104000233100	233100	0.0578	0.0580	\$7.56	\$7.56	\$0.00	\$7.56	
PETRUS, MICHAEL LESLIE; PETRUS, BRADLY MICHAEL	CON 1 PT LOT 13	271104000233200	233200	0.3085	0.3080	\$684.81	\$684.81	\$0.00	\$684.81	
MARTINEAU, WILFRED ROMEO; MARTINEAU, ROXANNE STEPHANIE	CON 1 PT LOT 13	271104000233300	233300	1.3341	1.3340	\$2,047.78	\$2,208.14	\$4,255.92	\$0.00	\$4,255.92
CHAMISH, ETHAN	PLAN 59 LOT 1 NP818	271104000233400	233400	0.0809	0.0810	\$179.65	\$179.65	\$0.00	\$179.65	
MAYO, JAYSEN; GOLFI, KRISTINE	PLAN 59 LOT 2 NP818	271104000233500	233500	0.0809	0.0810	\$179.65	\$179.65	\$0.00	\$179.65	
EBERHARDT, PAULINE	PLAN 59 LOT 3 NP818	271104000233600	233600	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
DIPLOCK, MICHAEL CRAIG	PLAN 59 LOT 4 NP818	271104000233700	233700	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
GELKA, BRADLEY GEORGE	PLAN 59 LOT 5 LOT 6 NP818	271104000233800	233800	0.1618	0.1620	\$247.04	\$247.04	\$0.00	\$247.04	
MCCARTHY, MICHAEL EARL	PLAN 59 LOT 7 NP818	271104000233900	233900	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
WARNER, ROSE MARIE; WARNER, TERRY RAY	PLAN 59 LOT 8 LOT 9 NP818	271104000234000	234000	0.1594	0.1590	\$243.12	\$243.12	\$0.00	\$243.12	
SCHNEIDER, WENDY LORRAINE; STOUT, CHRISTOPHER JOHN	PLAN 59 LOT 10 NP818	271104000234100	234100	0.0725	0.0730	\$110.85	\$110.85	\$0.00	\$110.85	
788833 ONTARIO LIMITED; O'CONNOR, ELIZABETH	PLAN 59 LOT 11 LOT 12 NP818	271104000234200	234200	0.1509	0.1510	\$230.29	\$230.29	\$0.00	\$230.29	
AKINS, ANNETTE MARIE MARGARET; AKINS, DAVID LLOYD	PLAN 59 LOT 13 NP818	271104000234300	234300	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
DE MELO, SUSETE MARIA; DE MELO, KRISTEN TAYLOR; DE MELO, KYLE DANIEL	PLAN 59 LOT 14 NP818	271104000234400	234400	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
DANIS, GUY GERALD; DANIS, SUSAN ELAINE	PLAN 59 LOT 16 LOT 17 NP818	271104000234500	234500	0.1618	0.1620	\$247.05	\$247.05	\$0.00	\$247.05	
DE MELO, KRISTEN TAYLOR; DE MELO, KYLE DANIEL; DE MELO, SUSETE MARIA	PLAN 59 LOT 15 NP 818	271104000234501	234501	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
DANILEWICZ, LESZEK; DANILEWICZ, GRAZYNA	PLAN 59 LOT 18 NP818	271104000234600	234600	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
MCCLEMONT, DIANE MARLENE; MCCLEMONT, KENNETH GRANT	PLAN 59 LOT 19 NP818	271104000234700	234700	0.0809	0.0810	\$179.65	\$179.65	\$0.00	\$179.65	
REZZA, VITO; REZZA, MARGARET	PLAN 59 LOT 20 NP818	271104000234800	234800	0.0809	0.0810	\$179.18	\$179.18	\$0.00	\$179.18	
NAGY, ANITA LOUISE	PLAN 59 LOT 21 NP818	271104000234900	234900	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
NAGY, ANITA LOUISE	PLAN 59 LOT 22 NP818	271104000235000	235000	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
CARMICHAEL, BAYLEY; GUTTIN, CORDELL	PLAN 59 LOTS 23, 24 NP818	271104000235100	235100	0.1618	0.1620	\$247.04	\$247.04	\$0.00	\$247.04	
DANIS, SUSAN ELAINE; DANIS, GUY GERALD	PLAN 59 LOT 25 LOT 26 NP818	271104000235300	235300	0.1618	0.1620	\$247.05	\$247.05	\$0.00	\$247.05	
WYBROW, ROBERT WILLIAM	PLAN 59 LOT 27 NP818	271104000235400	235400	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
WYBROW, ROBERT WILLIAM	PLAN 59 LOT 28 NP818	271104000235500	235500	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
ALEK, CHRISTOPHER PAUL; ALEK, WENDY LEE	PLAN 59 LOT 29 LOT 30 NP818	271104000235600	235600	0.1508	0.1510	\$230.18	\$230.18	\$0.00	\$230.18	
KNIGHT-WOODWARD, BARBARA	CON 1 PT LOT 13	271104000235700	235700	0.0689	0.0690	\$105.16	\$105.16	\$0.00	\$105.16	
SCOTT, TARA EILEEN	CON 1 PT LOT 13	271104000235800	235800	0.0812	0.0810	\$123.88	\$123.88	\$0.00	\$123.88	
RUSTON, CHRISTINE ANN	CON 1 PT LOT 13	271104000235900	235900	0.0812	0.0810	\$123.84	\$123.84	\$0.00	\$123.84	
ZIMMERMAN, CARRIE ANN; ZIMMERMAN, JODY ANTHONY	CON 1 PT LOT 13	271104000236000	236000	0.0811	0.0810	\$123.80	\$123.80	\$0.00	\$123.80	
SLITER, JOSHUA RAYMOND	CON 1 PT LOT 13	271104000236100	236100	0.1622	0.1620	\$430.37	\$430.37	\$0.00	\$430.37	
MCNAY, KIMBERLY MARIE	CON 1 PT LOT 13	271104000236200	236200	0.0810	0.0810	\$123.66	\$123.66	\$0.00	\$123.66	
ASHBRIDGE, ALAN; ASHBRIDGE, MARC PETER	CON 1 PT LOT 13	271104000236300	236300	0.0810	0.0810	\$123.63	\$123.63	\$0.00	\$123.63	
WEST, DARREN; WEST, ONNA	HUMBERSTONE CON 1 PT LOT 13	271104000236400	236400	0.1628	0.1630	\$248.52	\$248.52	\$0.00	\$248.52	
EZEARD, KIMBERLEY	CON 1 PT LOT 13 LALLOUET SKETCH LOT 41	271104000236600	236600	0.0807	0.0810	\$123.29	\$123.29	\$0.00	\$123.29	
EZEARD, KIMBERLEY	CON 1 PT LOT 13 LALLOUET SKETCH LOT 42	271104000236800	236800	0.0813	0.0810	\$124.02	\$124.02	\$0.00	\$124.02	
GRACE, KATHRYN; GRACE, JOHN	HUMBERSTONE CON 1 PT LOT 13	271104000236900	236900	0.0813	0.0810	\$124.03	\$124.03	\$0.00	\$124.03	
SHERSTYUK, ANDRIY	HUMBERSTONE CON 1 PT LOT 13	271104000237000	237000	0.2421	0.2420	\$369.48	\$369.48	\$0.00	\$369.48	
KELLY, ROBERT JAMES; KELLY, MARY ANN	CON 1 PT LOT 13 LALLOUET SKETCH LOT 49 LOT 50	271104000237300	237300	0.3094	0.3090	\$472.07	\$472.07	\$0.00	\$472.07	
PORT COLBORNE CITY	CON 1 PT LOT 13 LALLOUET SKETCH LOT 51 LOT 52	271104000237400	237400	0.1428	0.1430	\$217.97	\$217.97	\$0.00	\$217.97	
COX, REGINAL RICKY	CON 1 PT LOT 13 LALLOUET SKETCH LOT 68	271104000237500	237500	0.0809	0.0810	\$123.52	\$123.52	\$0.00	\$123.52	
COX, REGINAL RICKY	CON 1 PT LOT 13 PLAN 59R6615 PART 1	271104000237600	237600	0.4047	0.4050	\$617.82	\$617.82	\$0.00	\$617.82	
BEAM, JONATHAN IRVIN	CON 1 PT LOT 13	271104000237610	237610	4.6164	4.6160	\$4,172.86	\$4,172.86	\$0.00	\$4,172.86	
BACSO, MIKLOS; BACSO, NICOLE ELIZABETH	CON 1 PT LOT 13 RP 59R900 PART 3	271104000237700	237700	0.2209	0.2210	\$337.20	\$337.20	\$0.00	\$337.20	
STOUT, CHRIS	CON 1 PT LOT 13 RP 59R900 PART 1	271104000237800	237800	0.2140	0.2140	\$326.57	\$326.57	\$0.00	\$326.57	
WHITE, MARK ANTHONY	CON 1 PT LOT 13 RP 59R900 PART 2	271104000237801	237801	0.2347	0.2350	\$358.33	\$358.33	\$0.00	\$358.33	
HILBORN, KATHERINE ADA; HILBORN, BRYAN PAUL	CON 1 PT LOT 13 AND RP 59R12267 PART 1	271104000237900	237900	0.3565	0.3570	\$544.30	\$544.30	\$0.00	\$544.30	
BIDOSKI, ANNETTE MAUREEN; BIDOSKI, MURRAY ALLAN	CON 1 PT LOT 13	271104000238000	238000	0.4033	0.4030	\$615.45	\$615.45	\$0.00	\$615.45	
HIGH, DEREK ALLAN; HIGH, KERRI JOANNE	CON 1 PT LOT 13	271104000238100	238100	0.2697	0.2700	\$411.71	\$411.71	\$0.00	\$411.71	
SCHNEIDER, JOHN LOUIS; SCHNEIDER, PATRICIA AILEEN	CON 1 PT LOT 13	271104000238200	238200	0.3501	0.3500	\$534.36	\$534.36	\$0.00	\$534.36	

	NADON, TROY RENE DONALD; ARMENTI-NADON, ANITA	CON 1 PT LOT 13	271104000238300	238300	0.2785	0.2780	\$1,029.23		\$1,029.23	\$0.00	\$1,029.23
	ANDERSON, TIMOTHY MICHAEL; ANDERSON, MELISSA MARIE	CON 1 PT LOT 13	271104000238400	238400	0.2632	0.2630	\$972.76		\$972.76	\$0.00	\$972.76
F	JACKSON, GLEN BRUCE; JACKSON, BONNIE LEE	CON 1 PT LOT 13	271104000238500	238500	0.4041	0.4040	\$1,475.61		\$1,475.61	\$0.00	\$1,475.61
	VANDER VAART, LEONARDUS J; VANDER VAART, MARGARET ANN	CON 1 PT LOT 13	271104000238600	238600	11.6929	11.6930	\$13,044.94		\$13,044.94	\$0.00	\$13,044.94
	SZABO, MONICA ANN; GRAY, ROGER WAYNE	CON 1 PT LOT 13	271104000238700	238700	1.9803	1.9800	\$4,989.92	\$1,113.35	\$6,103.27	\$0.00	\$6,103.27
	BABCOCK, CHARLYN KIM; BABCOCK, TIMOTHY DAVID	RP 59M140 LOT 4 CON 1 PT LOT 13	271104000238701	238701	0.8148	0.8150	\$3,651.86		\$3,651.86	\$0.00	\$3,651.86
	MEDINA OIL FIELD SUPPLY INC	CON 1 PT LOT 13 RP 59R1063 PART 1	271104000238702	238702	6.0722	6.0720	\$13,115.11		\$13,115.11	\$0.00	\$13,115.11
	SAHS-MEYER, EVA-LYN; MEYER, PETER	CON 1 PT LOT 13 PLAN 59R4571 PART 1	271104000238705	238705	0.8092	0.8090	\$3,994.33		\$3,994.33	\$0.00	\$3,994.33
	MEYER, PETER; SAHS-MEYER, EVA-LYN	RP 59M140 LOT 3	271104000238706	238706	0.8091	0.8090	\$2,362.87		\$2,362.87	\$0.00	\$2,362.87
	PETRI, SUSANNE CECILE; PETRI HAROLD ESTATE	RP 59M140 LOT 2	271104000238707	238707	0.8091	0.8090	\$2,358.90		\$2,358.90	\$0.00	\$2,358.90
	ROVERSI, JUDITH ANN	P 59M140 LOT 1	271104000238708	238708	0.8090	0.8090	\$3,644.86		\$3,644.86	\$0.00	\$3,644.86
	POULIOT, LIAM ROLAND; BARTOK, ELISE AMANDA	CON 1 PT LOT 13	271104000238800	238800	0.2027	0.2030	\$388.04		\$388.04	\$0.00	\$388.04
	MARSHALL, RODERICK MARK; RUFFO, LEONA JOANNE	HUMBERSTONE CON 1 PT LOT 13 AND RP 59R5794 PART 1	271104000238900	238900	0.1850	0.1850	\$354.05		\$354.05	\$0.00	\$354.05
	DESCHAMPS, SALLY ANN; DESCHAMPS, DENZIL ADELARD	CON 1 PT LOT 13	271104000239000	239000	0.2757	0.2760	\$527.67		\$527.67	\$0.00	\$527.67
	WINGER, KAREN JOANNE	CON 1 PT LOT 13	271104000239200	239200	0.1842	0.1840	\$352.55		\$352.55	\$0.00	\$352.55
	NESBITT, DANIELLE MICHELLE; SCOTT, KEVIN JOHN	CON 1 PT LOT 13	271104000239300	239300	0.1997	0.2000	\$382.25		\$382.25	\$0.00	\$382.25
	GEADY, CINDY JO; CARRIGAN, FRANCIS JAMES	CON 1 PT LOT 13 RP59R3347 PART 1 TO PART 4	271104000239400	239400	0.3789	0.3790	\$725.14		\$725.14	\$0.00	\$725.14
	PHELAN, DAISY; PHELAN, CHRISTOPHER	CON 1 N PT LOT 13	271104000239600	239600	5.6972	5.6970	\$7,269.26		\$7,269.26	\$0.00	\$7,269.26
	DIMOND, DOUGLAS PATRICK; DIMOND, JANETTE KATHERINE	CON 1 PT LOT 13 RP 59R6412 PART 2	271104000239601	239601	0.4089	0.4090	\$782.61		\$782.61	\$0.00	\$782.61
	SEREDINE, MATHEW WILLIAM	CON 1 PT LOT 13 RP 59R6412 PART 1	271104000239602	239602	0.4525	0.4460	\$852.67		\$852.67	\$0.00	\$852.67
	O'REILLY, LAURENCE MARIE; HOBMAN, GLEN RICHARD	CON 1 PT LOT 13 RP 59R1063 PART 2	271104000239700	239700	0.2199	0.2160	\$409.52		\$409.52	\$0.00	\$409.52
	SNEEKCO LTD	CON 1 PT LOT 13 RP59R 1063 PART 3	271104000239800	239800	0.1319	0.1310	\$248.46		\$248.46	\$0.00	\$248.46
	KOCH, KIRK DOUGLAS; KOCH, NANETTE ANNE	HUMBERSTONE CON 1 PT LOT 13 AND RP 59R1063 PART 4	271104000239900	239900	0.1962	0.1960	\$371.68		\$371.68	\$0.00	\$371.68
	MORRIS, TIMOTHY HENRY; MORRIS, JAMIE LYNN	CON 1 PT LOT 13 RP 59R1063 PART 5	271104000240000	240000	0.1692	0.1690	\$321.44		\$321.44	\$0.00	\$321.44
	GILLESPIE, RITA; GILLESPIE, BLAIR A	CON 1 PT LOT 13 RP 59R3144 PART 2	271104000240100	240100	0.5020	0.5020	\$959.44		\$959.44	\$0.00	\$959.44
	KORTEN, RICHARD	CON 1 PT LOT 13 RP 59R3144 PART 1	271104000240101	240101	0.4601	0.4600	\$1,660.60		\$1,660.60	\$0.00	\$1,660.60
	GUDRUNAS, PETER ERWIN	CON 1 PT LOT 13	271104000240200	240200	5.2970	5.2970	\$6,758.67		\$6,758.67	\$0.00	\$6,758.67
	SHIBLEY, JASON HAROLD	CON 1 PT LOT 14	271104000240300	240300	0.4067	0.3950	\$755.48		\$755.48	\$0.00	\$755.48
	TAGGART, BRENDA; SCHIRMEISTER, MICHAEL BURT	CON 1 PT LOT 14	271104000240600	240600	0.4988	0.4920	\$940.90		\$940.90	\$0.00	\$940.90
	BARRETT, GORDON JAMES	CON 1 PT LOT 14 RP 59R8871 PART 1	271104000240700	240700	0.5498	0.5470	\$1,046.92		\$1,046.92	\$0.00	\$1,046.92
F	GRANT, LINDA MARGARET	CON 1 PT LOT 14 RP 59R947 PART 1	271104000240701	240701	7.3555	7.3550	\$9,009.25	\$3,358.59	\$12,367.84	\$0.00	\$12,367.84
F	THIESSEN, STEPHANIE	HUMBERSTONE CON 1 PT LOT 14 RP 59R8871 PT PART 2	271104000240705	240705	17.0560	17.0560	\$25,389.51		\$25,389.51	\$0.00	\$25,389.51
	WILLIAMS, ROBERT LEE; WILLIAMS, MARGARET HELEN	HUMBERSTONE CON 1 PT LOT 14 RP 59R17117 PART 1	271104000240707	240707	2.3175	2.3120	\$3,441.56		\$3,441.56	\$0.00	\$3,441.56
	KALYNUIK, CATHY ANN; KALYNUIK, JAMES VAN	CON 1 PT LOT 14 PT 3 - RAILWAY LAND	271104000240710	240710	11.0393	11.0390	\$16,502.28		\$16,502.28	\$0.00	\$16,502.28
F	BROWN, THEODORE THOMAS RICHARD	CON 1 PT LOT 14	271104000240800	240800	0.4121	0.4120	\$776.88		\$776.88	\$0.00	\$776.88
	LAUR CAROL JAYNE ESTATE; LAUR, JOHN THOMAS; LAUR, MICHAEL JOHN	CON 1 PT LOT 14	271104000240900	240900	19.5469	19.5470	\$26,216.77	\$4,898.72	\$31,115.49	\$0.00	\$31,115.49
	MAZZA, RAYMOND; JORGE, JACINTA	CON 1 PT LOT 14	271104000241000	241000	0.0813	0.0810	\$328.84		\$328.84	\$0.00	\$328.84
	ZAJAC, JOHN	CON 1 PT LOT 14	271104000241100	241100	0.1660	0.1660	\$671.72		\$671.72	\$0.00	\$671.72
	ZAJAC, JOHN	CON 1 PT LOT 14	271104000241200	241200	0.0695	0.0700	\$281.50		\$281.50	\$0.00	\$281.50
	HAAZER, DARIE	CON 1 PT LOT 14	271104000241300	241300	0.0695	0.0690	\$281.02		\$281.02	\$0.00	\$281.02
	CRANE, CORNELIA; CRANE, STEPHEN	CON 1 PT LOT 14	271104000241400	241400	0.0694	0.0690	\$280.86		\$280.86	\$0.00	\$280.86
	STICKLAND, TANYA; STICKLAND, MATTHEW	CON 1 PT LOT 14	271104000241500	241500	0.1390	0.1390	\$562.61		\$562.61	\$0.00	\$562.61
	MCINTYRE, TEIGHAN BEVERLEY; DAVIES, FREDERICK CONRAD	CON 1 PT LOT 14	271104000241600	241600	0.0693	0.0690	\$280.38		\$280.38	\$0.00	\$280.38
	PRESSE, CATHERINE ANN; PRESSE, LORIN EARL	CON 1 PT LOT 14	271104000241700	241700	0.1198	0.1200	\$484.76		\$484.76	\$0.00	\$484.76
	ICON REINSURANCE INC	CON 1 PT LOT 14	271104000241800	241800	0.0933	0.0930	\$377.44		\$377.44	\$0.00	\$377.44
	FIDDY, CHARLES JOHN; FIDDY, LILLIAN NICOLE	CON 1 PT LOT 14 RP59R 8956 PART 1	271104000241900	241900	0.1678	0.1680	\$678.88		\$678.88	\$0.00	\$678.88
	TURNER, DAVID BRETT; SINDERLY, MICHAEL JOSEPH; SINDERLY, BARBARA RUTH	CON 1 PT LOT 14 RP59R3837 PART 2 RP59R8956 PART 2	271104000242100	242100	0.2135	0.2140	\$864.14		\$864.14	\$0.00	\$864.14
	PORT COLBORNE CITY	CON 1 PT LOT 13 PT LOT 14 PLAN 36 PT BLK A	271104000242101	242101	19.0899	18.1900	\$20,139.76	\$13,063.25	\$33,203.01	\$0.00	\$33,203.01
	GRAYDON, AMANDA	HUMBERSTONE CON 1 PT LOT 14 RP 59R16071 PART 1	271104000242200	242200	0.4174	0.1460	\$23.78		\$23.78	\$0.00	\$23.78
	BASCIANO, MARKUS ALEXANDER	HUMBERSTONE CON 1 PT LOTS 13 AND 14 RP 59R16071 PART 2	271104000242202	242202	0.4502	0.1290	\$21.01		\$21.01	\$0.00	\$21.01
	EVANS, LANA; EVANS, MARK RANDALL	CON 1 PT LOT 14	271104000242300	242300	0.3339	0.1270	\$20.69		\$20.69	\$0.00	\$20.69

KIS, GARY MICHAEL	CON 1 PT LOT 14	271104000242500	242500	0.8129	0.3220	\$52.45		\$52.45	\$0.00	\$52.45
BARKER, VICTOR THOMAS; BARKER, GISELE BRIGITTE	PLAN 42 LOT 80 PT LOTS 70 & 79 NP 801 59R 9778 PART 1	271104000242600	242600	0.5014	0.5010	\$1,214.75		\$1,214.75	\$0.00	\$1,214.75
MACCABE, NATALIE ANN BETHANY; APOLCER, JEREMY MATHEW	CON 1 PT LOT 14 RP 59R3783 PART 1 PART 2	271104000242700	242700	0.2090	0.2090	\$845.56	\$3,451.37	\$4,296.93	\$0.00	\$4,296.93
APOLCER, JEREMY MATTHEW; MACCABE, NATALIE ANN BETHANY	CON 1 PT LOT 14	271104000242900	242900	0.0696	0.0700	\$281.95		\$281.95	\$0.00	\$281.95
SCEPPACERQUA, DREW ALBERT	CON 1 PT LOT 14 RP 59R3783 PART 4	271104000243100	243100	0.1393	0.1390	\$563.59		\$563.59	\$0.00	\$563.59
FIGUEIRA, MARIO	CON 1 PT LOT 14	271104000243200	243200	0.1144	0.1140	\$462.60		\$462.60	\$0.00	\$462.60
FIGUEIRA, MARIO	CON 1 PT LOT 14	271104000243300	243300	0.0697	0.0700	\$281.97		\$281.97	\$0.00	\$281.97
PIZZO, THEODORE ORLANDO	CON 1 PT LOT 14	271104000243400	243400	0.1742	0.1740	\$704.98		\$704.98	\$0.00	\$704.98
8798494 CANADA CORP	CON 1 PT LOT 14	271104000243500	243500	2.0227	2.0230	\$3,273.87		\$3,273.87	\$0.00	\$3,273.87
MCADAM, RICHARD WILSON	CON 1 PT LOT 14	271104000243600	243600	0.7984	0.7980	\$1,292.15		\$1,292.15	\$0.00	\$1,292.15
TOMLINSON, RICHARD MATTHEW	CON 1 PT LOT 14	271104000243700	243700	0.3482	0.3480	\$704.43		\$704.43	\$0.00	\$704.43
HENDERSON, PERIANNE LYNNE; HENDERSON, BRIAN RICHARD	CON 1 PT LOT 14	271104000243800	243800	0.1865	0.1860	\$377.21		\$377.21	\$0.00	\$377.21
JAEGGI, STEPHAN; JAEGGI, TAMMY	CON 1 PT LOT 14	271104000243900	243900	0.2321	0.2320	\$469.53		\$469.53	\$0.00	\$469.53
WELLS, BARBARA ELLEN; BELL, DAVID ANDREW	PLAN 40 LOT 42 LOT 43 NP799	271104000244500	244500	0.1298	0.0170	\$35.28		\$35.28	\$0.00	\$35.28
MCAVOY, MATTHEW JOHN; MCAVOY, CARRIE	PLAN 40 PT LOTS 39,40 & 50 LOTS 41,49 NP 799 RP59R10110 PART 1	271104000244501	244501	0.1697	0.0800	\$161.16		\$161.16	\$0.00	\$161.16
ST JOHN'S LUTHERAN CHURCH TRUSTEES	PLAN 40 LOT 48 NP799 CON 1 PT LOT 14	271104000244601	244601	0.4725	0.1940	\$392.89		\$392.89	\$0.00	\$392.89
SOLOMON, NATHAN ALLEN; SOLOMON, RACHEL CHRISTINE	PLAN 40 LOTS 38 51 52 PT LOTS 37 39 40 50 53 NP799 RP 59R1767 PT 2 RP 59R10110 PT 2	271104000244602	244602	0.2364	0.1590	\$320.80		\$320.80	\$0.00	\$320.80
PRATT, GARY; PRATT, IRENE	PLAN 40 LOT 36 LOT 54 PT LOTS 35 37 53 & 55 NP799 RP 59R1767 PART 1	271104000244900	244900	0.1838	0.1240	\$250.90		\$250.90	\$0.00	\$250.90
LECKIE, PATRICIA EVELYN; LECKIE, JAMES FERRELL	PLAN 799 PT BLK A LOTS 34 AND 56 PT LOTS 35 AND 55	271104000245000	245000	0.1229	0.0860	\$173.85		\$173.85	\$0.00	\$173.85
BANATO, DONNA MARIE; SMITH, PETER WATT	PLAN 799 LOTS 31 TO 33 57 TO 59	271104000245100	245100	0.2362	0.1610	\$325.02		\$325.02	\$0.00	\$325.02
8798494 CANADA CORP	PLAN 799 LOTS 23 24 30 AND 60 PT LOTS 25 29 61 PT BLK C	271104000245200	245200	0.1057	0.0970	\$195.79		\$195.79	\$0.00	\$195.79
OLEKSIK, JAMIESON DEAKIN; OLEKSIK, ALISON MARIE	PLAN 799 PT LOTS 29&61 PLAN 801 L 74,75 &PT LTS 73,76 RP59R7934 PT 1	271104000245301	245301	0.2108	0.1960	\$396.71		\$396.71	\$0.00	\$396.71
ALLEN, CHRISTINE; STINZIANI, LUIGI GINO	PLAN 801 PT BLKS A D AND E PT LOTS 65 66 72 73 76 AND 77 RP 59R15049 PARTS 1 TO 4	271104000245400	245400	0.4451	0.2350	\$474.82		\$474.82	\$0.00	\$474.82
KELLER, ROGER L	PLAN 42 LOT 67 LOT 71 LOT 78 PT LOT 66 PT LOT 72 PT LOT 77 PT BLK D PT BLK E PLAN 40 PT BLK A	271104000245500	245500	0.5330	0.2730	\$551.53		\$551.53	\$0.00	\$551.53
PRIMERANO, ROBIN; CLARE, IRENE; CLARE, JOHN; CLARE, RANDY	PLAN 42 LOT 68 LOT 69 PT LOT 70	271104000245600	245600	1.2159	0.8350	\$653.53		\$653.53	\$0.00	\$653.53
ASHBY, JORDAN; ASHBY, MIRANDA	PLAN M-168 LOT 1	271104000252800	252800	0.8255	0.8260	\$3,218.62		\$3,218.62	\$0.00	\$3,218.62
LUNDY, JANET; LUNDY, JAMES	PLAN 59M168 LOT 2	271104000252900	252900	0.8364	0.8360	\$3,626.48		\$3,626.48	\$0.00	\$3,626.48
SAXTON, THOMAS ROBERT; SAXTON, MARIA	PLAN 59M168 LOT 3	271104000253000	253000	0.8468	0.8470	\$4,431.73		\$4,431.73	\$0.00	\$4,431.73
JAMES, WILLIAM RUSSELL	PLAN 59M168 LOT 4	271104000253100	253100	0.8802	0.8800	\$4,355.55		\$4,355.55	\$1,854.14	\$2,501.41
DANIEL, VINCENT; DANIEL, ARUNA	PLAN 59M168 LOT 5	271104000253200	253200	0.8147	0.8150	\$4,128.83		\$4,128.83	\$4,246.60	-\$117.77
PETERSON, ALLAN BERT; PETERSON, LISA MARIE	PLAN 59M168 LOT 6	271104000253300	253300	0.8156	0.8160	\$4,842.14		\$4,842.14	\$2,777.30	\$2,064.84
SALIBA, CARMEL JOSEPH; SALIBA, CHRISTINA GRACE	PLAN 59M168 LOT 7	271104000253400	253400	0.7515	0.7520	\$4,083.62		\$4,083.62	\$0.00	\$4,083.62
MORRISON, DAVID JOHN; MORRISON, BONNIE SUE	PLAN 59M175 LOT 3	271104000253500	253500	0.8188	0.8190	\$2,996.47		\$2,996.47	\$3,119.97	-\$123.49
ASHBY, JOANNE; SIMPSON, BRIAN	PLAN 59M-175 LOT 4	271104000253600	253600	0.8341	0.8340	\$3,035.29		\$3,035.29	\$3,424.46	-\$389.18
GIRARD, ANGELA JACQUELINE; GIRARD, STEED	PLAN 59M175 LOT 5	271104000253700	253700	0.8423	0.8420	\$4,119.37		\$4,119.37	\$313.95	\$3,805.41
YOUNG, CHANTAL	PLAN 59M175 LOT 6	271104000253800	253800	0.8343	0.8340	\$5,764.55		\$5,764.55	\$0.00	\$5,764.55
TYPEN, JULIANNA MARIANNA	PLAN 59M175 LOT 7	271104000253900	253900	0.8083	0.8080	\$5,576.90		\$5,576.90	\$0.00	\$5,576.90
COMFORT, CHRISTOPHER HERMAN; COMFORT, JOSEPHINE ANN	PLAN 59M175 LOT 1	271104000254000	254000	0.6468	0.6470	\$1,787.13		\$1,787.13	\$0.00	\$1,787.13
FONTAINE, BARBARA	PLAN 59M175 LOT 2	271104000254100	254100	0.6235	0.6240	\$1,722.95	\$857.28	\$2,580.22	\$0.00	\$2,580.22
REPEC, JENNIFER	HUMBERSTONE CON 1 PT LOT 15 PLAN 796 PT BLKS A AND B LOTS 8 TO 14 PT LOT 15 PT WATER LOT	271104000300900	300900	5.9988	3.4410	\$6,962.57		\$6,962.57	\$0.00	\$6,962.57
VIOLIN, ELIZABETH IRENE; VIOLIN, VICTOR EMILIO	PLAN 796 PT BLK B BROKEN LOTS 15 AND 16	271104000301000	301000	2.2699	1.5320	\$3,101.32		\$3,101.32	\$0.00	\$3,101.32
KEPPY, JANE AUDREE; COCKSHUTT, WILLIAM ANTHONY	HUMBERSTONE CON 1 PT LOT 16 PLAN 796 PT BLK B PT WATER LOT RP 59R15083 PARTS 1 AND 2	271104000301100	301100	1.3959	0.5530	\$1,119.70		\$1,119.70	\$0.00	\$1,119.70
BODNER, MEGAN; FARNAN, SCOTT	PLAN 796 PT BLK B RP 59R12610 PART 1	271104000301101	301101	0.5496	0.5500	\$1,112.05		\$1,112.05	\$0.00	\$1,112.05
FALLON, KERRY BERNARD	PLAN 796 PT BLK B RP 59R12610 PART 2	271104000301105	301105	0.9272	0.9270	\$1,875.83		\$1,875.83	\$0.00	\$1,875.83
FLETT, SUSANNE MAY; FLETT, JOHN ROSS	PLAN 796 PT BLK B HUMBERSTONE CON 1 PT WATER LOT IN FRONT OF LOT 16 AND RP 59R11670 PART 1 UNREG	271104000301200	301200	2.3190	1.4780	\$2,990.46		\$2,990.46	\$0.00	\$2,990.46

	GROOM, JOSHUA NATHAN; GROOM, KRISTAL LYNN	PLAN 37 LOT 16 PT LOT 15 NP796	271104000301300	301300	0.5266	0.5270	\$1,065.54	\$3,117.37	\$4,182.90	\$0.00	\$4,182.90	
	JASEK, COLLEEN R; JASEK, JOHN M	PLAN 37 LOT 17 NP796	271104000301400	301400	0.4571	0.4570	\$924.49	\$3,206.44	\$4,130.93	\$0.00	\$4,130.93	
	HOLODAY, SUSAN-PIETRAS; HOLODAY, RICHARD	PLAN 37 LOT 18 PT LOT 19 NP796	271104000301500	301500	0.6470	0.6340	\$1,282.38	\$3,043.14	\$4,325.52	\$0.00	\$4,325.52	
	MORRISON, HALEY MARILYN; MINOR, DUNCAN LINCOLN	PLAN 37 PT LOT 19 NP796	271104000301600	301600	0.2054	0.2040	\$411.89		\$411.89	\$0.00	\$411.89	
	KRIEGER, LESLEY EILEEN	PLAN 37 LOT 20 NP796	271104000301700	301700	0.3953	0.3850	\$778.01		\$778.01	\$0.00	\$778.01	
	BUCHANAN, CHERIE ELIZABETH; BUCHANAN, ROBERT JOSEPH	PLAN 37 PT LOT 21 NP796	271104000301800	301800	0.1490	0.1220	\$247.62		\$247.62	\$0.00	\$247.62	
	SMITH, MARJORY LEE; SMITH, BRIAN WESLEY	PLAN 37 PT LOT 22 NP796	271104000301900	301900	0.1194	0.0770	\$155.03		\$155.03	\$0.00	\$155.03	
	SIMPSON, KORY; BELSKY, IGOR	PLAN 37 PT LOT 22 NP796	271104000302000	302000	0.0510	0.0140	\$27.44		\$27.44	\$0.00	\$27.44	
	WINGER, W A	PLAN 796 PT BLK A	271104000302001	302001	0.4597	0.0660	\$135.02		\$135.02	\$0.00	\$135.02	
	BEGG, TERRY-LYNN	PLAN 37 PT LOT 21 PT LOT 22 NP796	271104000302100	302100	0.5792	0.5790	\$1,171.81	\$2,226.69	\$3,398.50	\$0.00	\$3,398.50	
	METCALF, IVANA KOMLJENOVIC; METCALF, THOMAS ASA	CON 1 PT LOT 15 RP 59R7605 PART 1	271104000302610	302610	0.4045	0.4050	\$818.55	\$4,898.72	\$5,717.27	\$0.00	\$5,717.27	
F	1000071167 ONTARIO INC	HUMBERSTONE CON 1 PT LOT 16 PT LOT 15	271104000302700	302700	21.1469	21.1470	\$54,790.90	\$4,008.04	\$58,798.94	\$0.00	\$58,798.94	
F	SAWDON, SONJA ODARKA; SAWDON, DEBORAH ANN	CON 1 PT LOT 15	271104000302800	302800	14.0778	14.0780	\$39,875.02		\$39,875.02	\$0.00	\$39,875.02	
	CROWDER, MARTHA; MOORE, RICHARD WILLIAM	CON 1 PT LOT 15 PT LOT 16	271104000302900	302900	20.8284	14.9820	\$22,297.79		\$22,297.79	\$0.00	\$22,297.79	
	JONES, LARRY WAYNE	CON 1 PT LOT 15	271104000303000	303000	0.4046	0.4050	\$774.41		\$774.41	\$0.00	\$774.41	
F	SHAUBEL, ALLEN WILLIAM	CON 1 PT LOT 15	271104000303100	303100	0.9148	0.9150	\$1,750.97		\$1,750.97	\$0.00	\$1,750.97	
F	NIGH, HAROLD ALFRED; NIGH, JANE CAROLYN	CON 1 PT LOT 15 PT LOT 16	271104000303200	303200	20.4940	11.3440	\$16,886.60		\$16,886.60	\$0.00	\$16,886.60	
	FEHRMAN, AMY LEE; FEHRMAN, PAUL ALLAN	CON 1 PT LOT 15 PT LOT 16	271104000303400	303400	39.5797	10.3560	\$15,415.77		\$15,415.77	\$0.00	\$15,415.77	
	FANNON, SYLVIA ROSE; FANNON, WILLIAM THOMAS	CON 1 PT LOT 15	271104000303500	303500	0.4473	0.4470	\$12,558.72		\$12,558.72	\$0.00	\$12,558.72	
	PORT COLBORNE CITY	CON 1 PT LOTS 1-22	271104000499900	499900	1.6006	1.6010	\$7,593.11	\$10,131.44	\$17,724.55	\$0.00	\$17,724.55	
							253.865	\$491,647.99	\$59,582.54	\$551,230.54	\$15,736.42	\$535,494.11

Roads

City of Port Colborne	Pinecrest Road			4.062	148317	\$21,121.62
City of Port Colborne	Richard Avenue			0.616	148341	\$6,819.37
City of Port Colborne	Tammy Avenue			0.549	148342	\$5,904.39
City of Port Colborne	Tracy Terrace			0.750	148362	\$8,124.57
City of Port Colborne	Vimy Ridge Road From Pinecrest Road To Centennial Park			0.790	148378	\$4,240.71
City of Port Colborne	Vimy Ridge Road From Centennial Park To Cedar Bay Road			0.571	148415	\$353.16
City of Port Colborne	Firelane 4 From Centennial Park To Cedar Bay Road			0.399	148461	\$2,118.40
City of Port Colborne	June Road From Centennial Park To Cedar Bay Road			0.399	148477	\$2,589.62
City of Port Colborne	Cedar Bay Road			3.343	148506	\$17,256.37
				11.478		\$68,528.20
					265.343	

City of Port Colborne				\$0		\$0.00
Niagara Regional Broadband Network, (NRBN)						
	Utility protection and relaying during construction of the culvert.			\$3,441		
				\$3,441		\$3,440.63

Oil Mill Creek Drain	Total Assessed:
	\$623,199.37
Notes:	
1. The above lands marked "F" are currently classified as agricultural according to the OMAFRA and are therefore entitled to a 1/3 grant.	
2. Section 21 of the Drainage Act, RSO 1990 requires that assessments be shown for each parcel of land and road affected. The affected parcels of land are identified using	
3. The value of the assessments identified in this schedule are estimates only, and should not be considered final.	