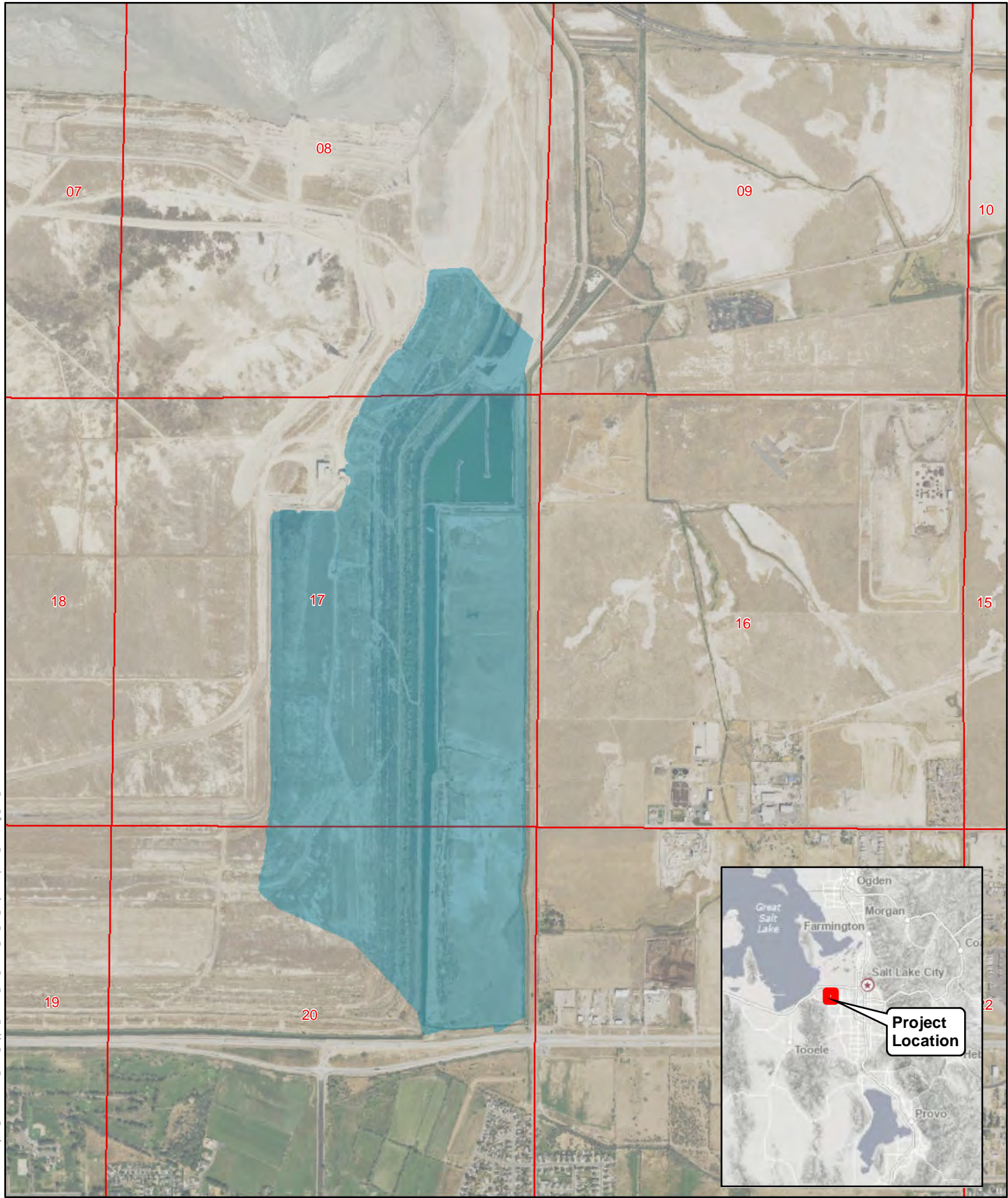

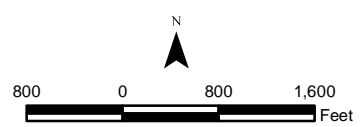


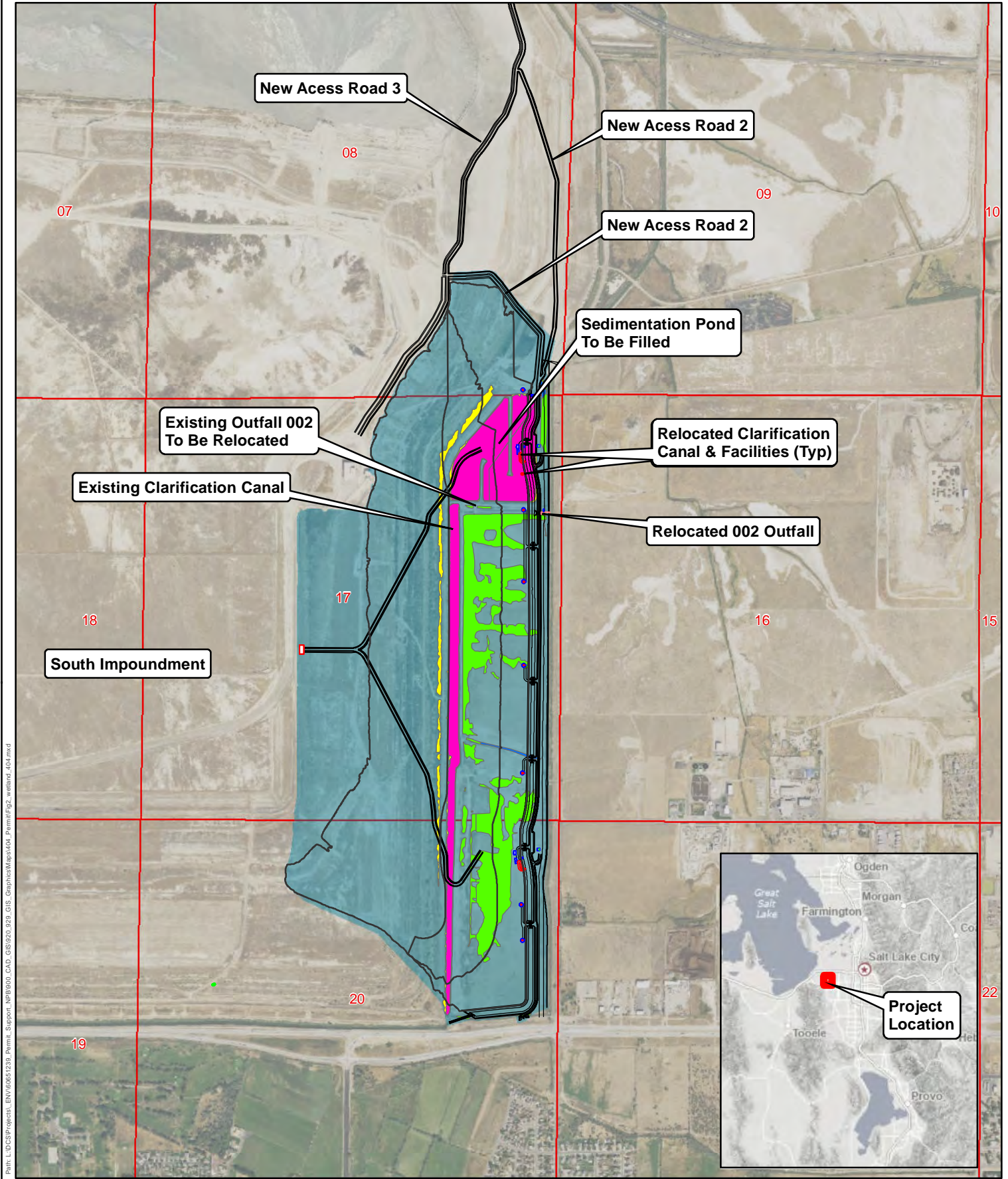
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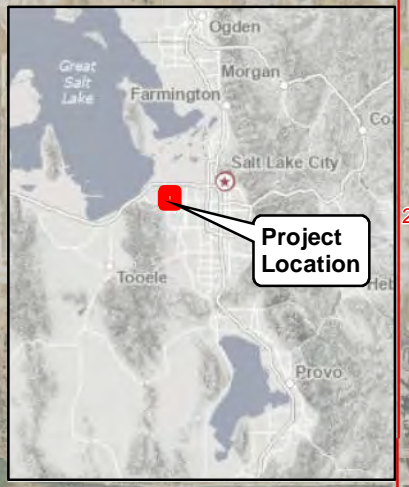
 East Tailings Expansion



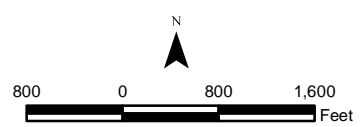
Title: East Tailings Expansion Project Location Map	
404 Permit Application	Proj No: 60658570
	Figure: 1
RioTinto	Date: May 2022
	AECOM



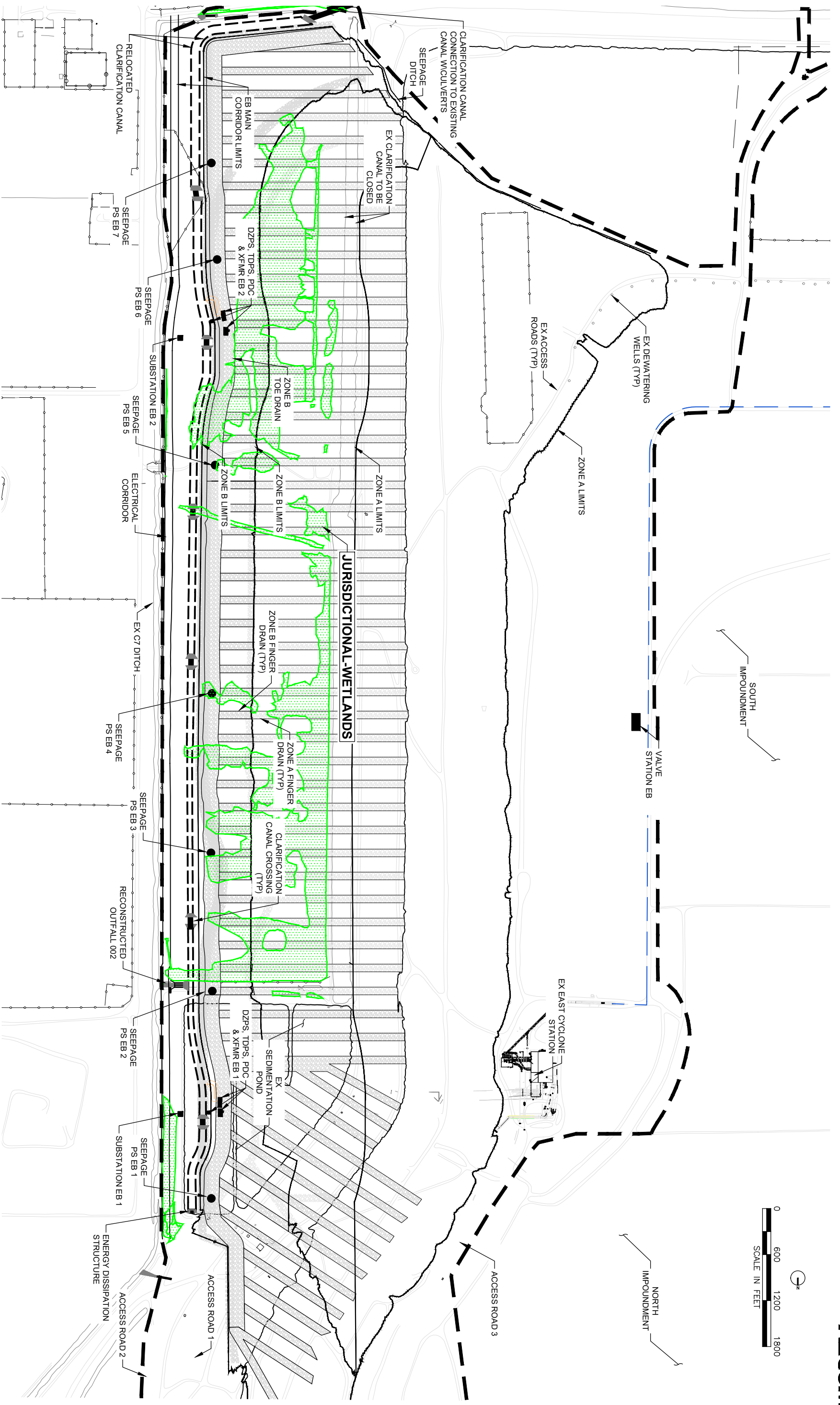
Path: L:\DCS\Projects\ENV\60651239_Permit_Support_NP\9000_CAD_GIS\920_029_GIS_Graphics\MapInfo\404_PermitFig2_welland_404.mxd



- Non Jurisdictional Industrial Process Water
- Non Jurisdictional Wetland
- Potentially Jurisdictional Non-Wetland WoUS
- Potentially Jurisdictional Wetlands
- East Tailings Expansion Project Area

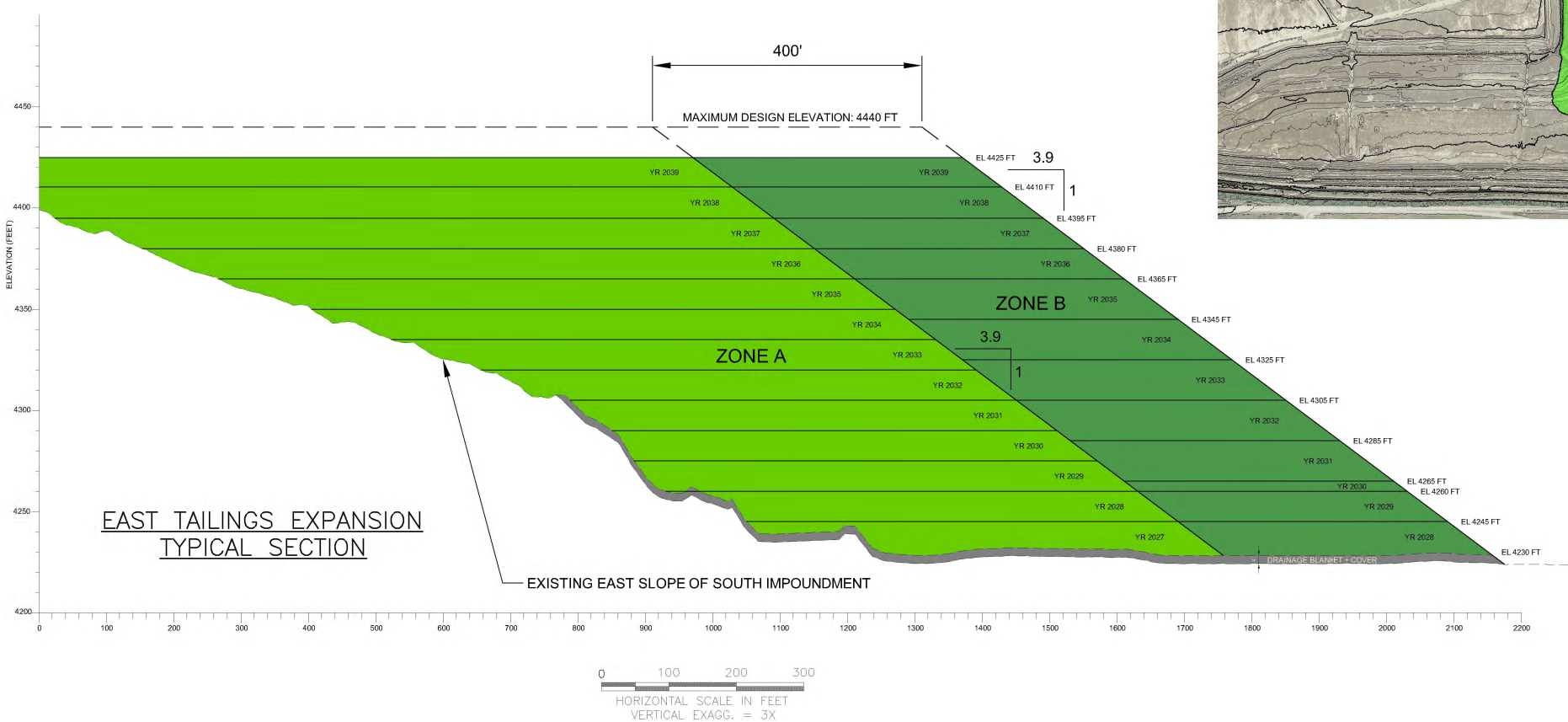
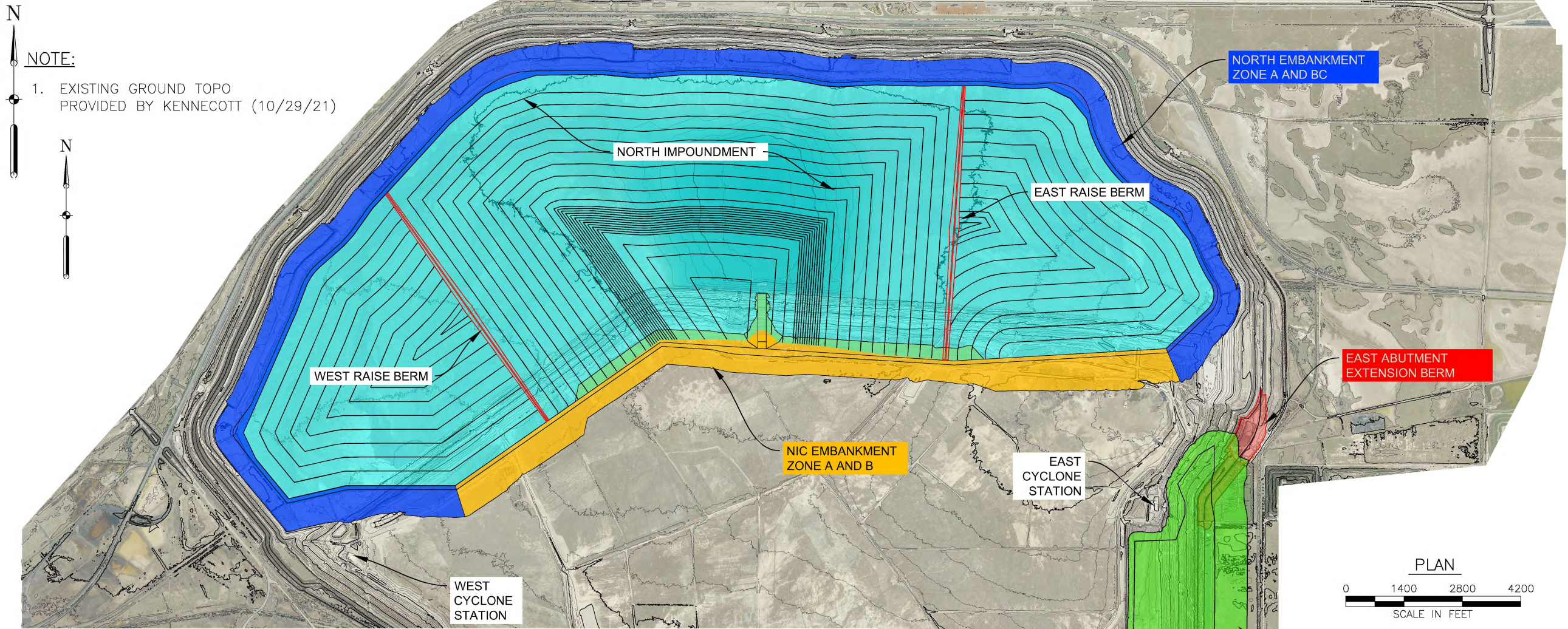


Title: East Tailings Expansion WoUS, Other Waters, and Project Features	
404 Permit Application	Proj No: 60658570
	Figure: 2
RioTinto	Date: May 2022
	AECOM



404 PERMIT APPLICATION	
Prepared By : TRB	
Date : 02/11/2022	
EAST TAILINGS EXPANSION	
SITE PLAN	

FIG. 1

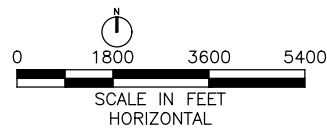
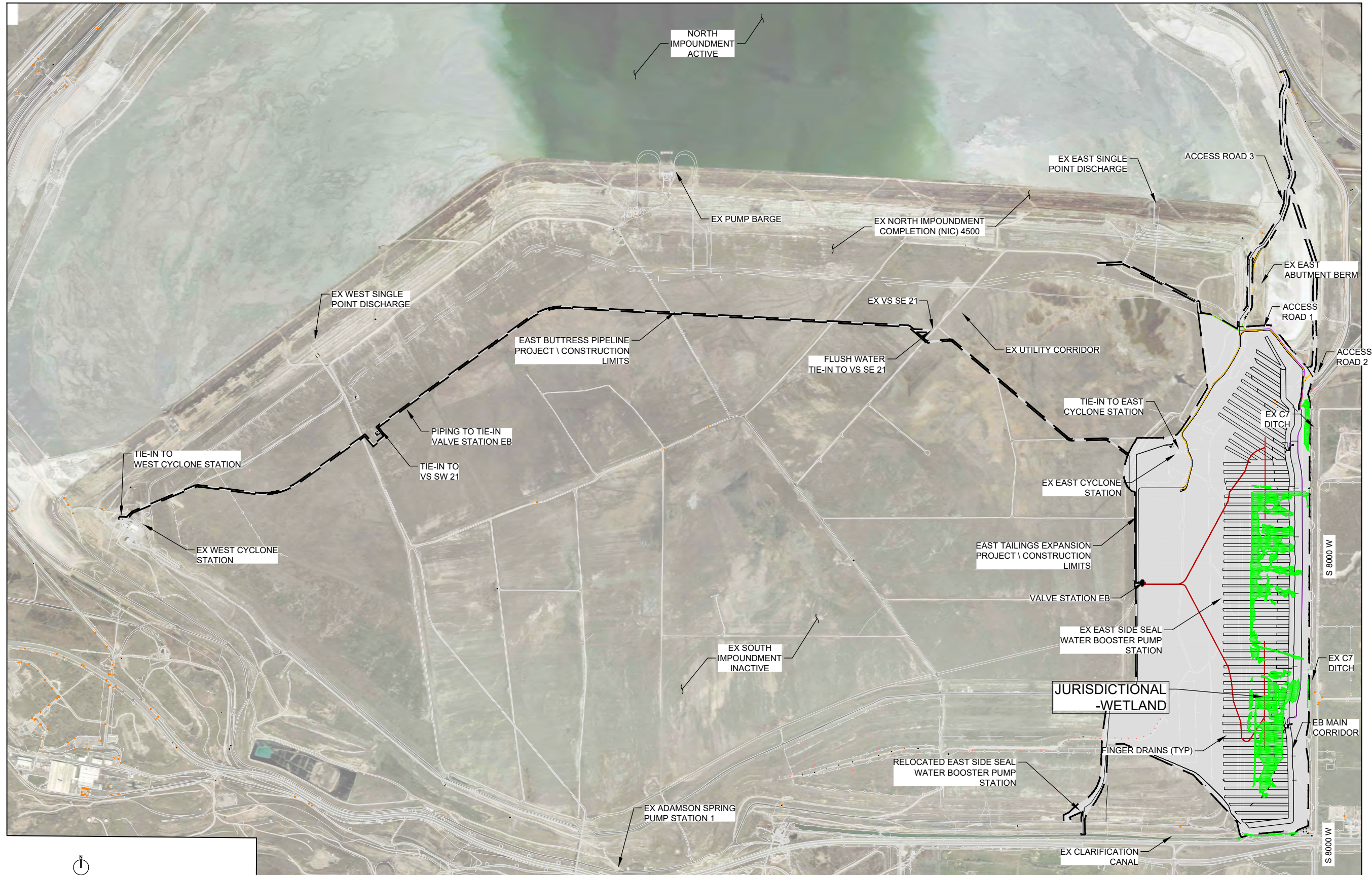


End of Year	East Tailings Expansion Zone A		East Tailings Expansion Zone B	
	Elev. (ft)	Mass (mtpy)	Elev. (ft)	Mass (mtpy)
2027	4,245	2.2	4,230	0.0
2028	4,260	2.9	4,245	2.4
2029	4,275	3.2	4,260	2.8
2030	4,290	3.4	4,265	1.0
2031	4,305	3.5	4,285	3.9
2032	4,320	3.7	4,305	3.9
2033	4,335	3.9	4,325	3.9
2034	4,350	4.3	4,345	3.9
2035	4,365	4.8	4,365	3.9
2036	4,380	5.5	4,380	2.9
2037	4,395	6.2	4,395	2.9
2038	4,411	7.1	4,411	2.9
2039	4,425	7.0	4,425	0.6

404 PERMIT APPLICATION
 Prepared By : ERL
 Date : 05/03/2022

EAST TAILINGS EXPANSION
 PLAN VIEW AND
 EMBANKMENT RAISE SCHEME

C:\Users\emmanuel.lefebvre\Documents\Projects\RTK-NPB\FS\Raise_Scheme.dwg



LEGEND

JURISDICTIONAL WETLANDS 

404 PERMIT APPLICATION

Prepared By : TRB

Date : 02/11/2022

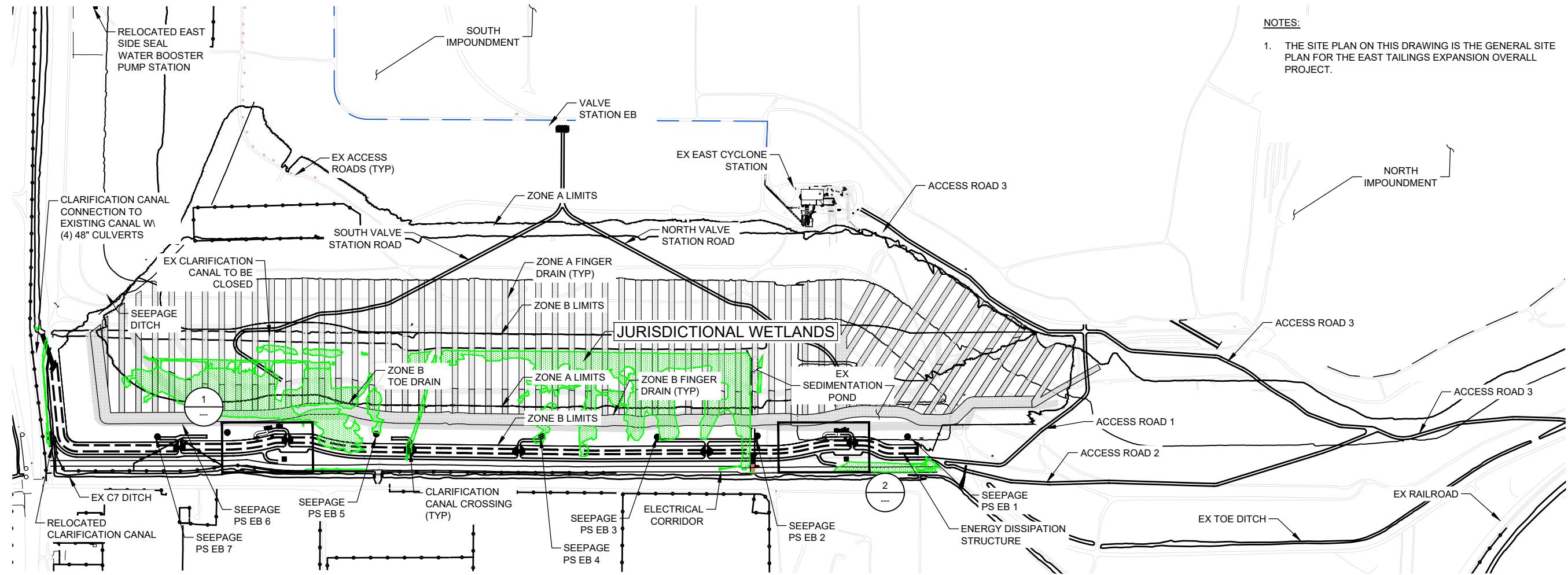
EAST TAILINGS EXPANSION
CONSTRUCTION LIMITS

FIG. 3

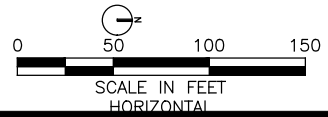
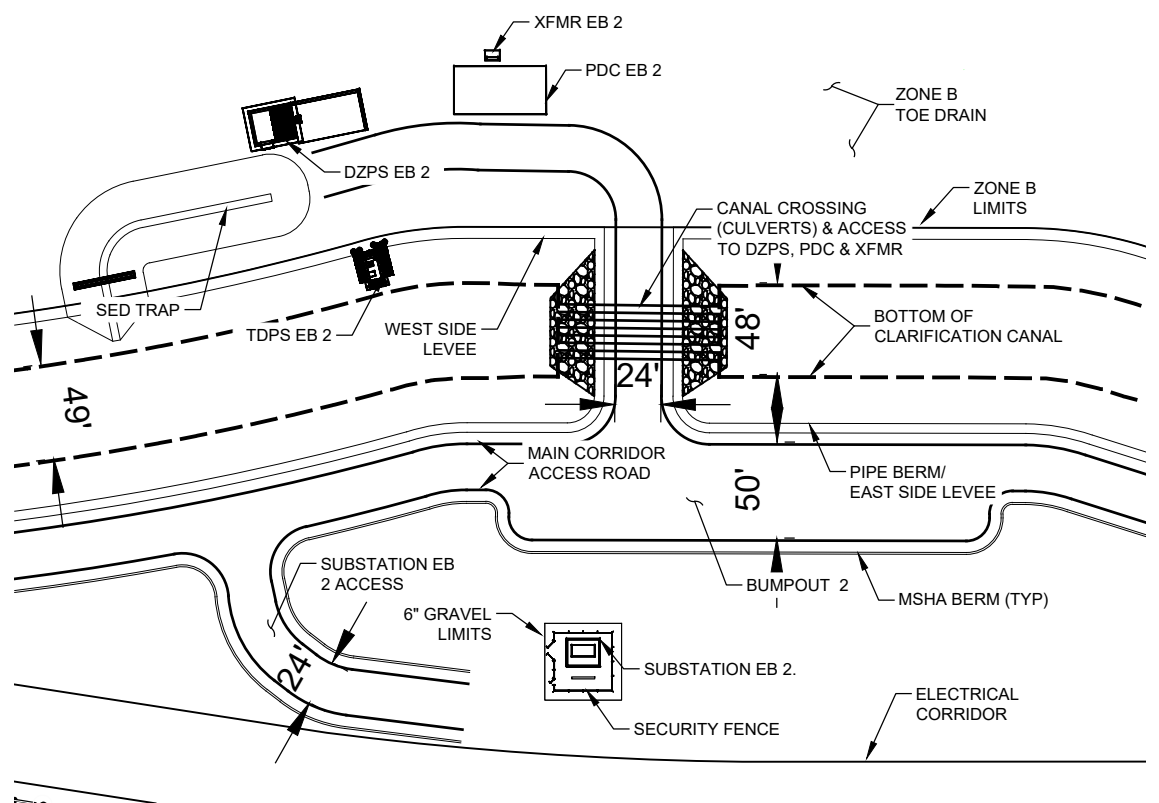
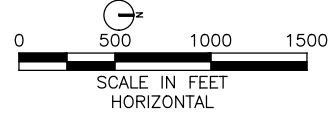
BROWN, TOM, 2/9/2022, 8:15 AM

DRAWING PATH: L:\DCS\Projects\WTR\60640901_KUC_NextPushBack\900_CAD_GIS\910_CAD\20-SHEETS\USACE\404-Figures\FIG 4_KUC_EB_PFSB_Site Plan.dwg

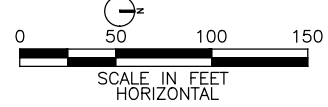
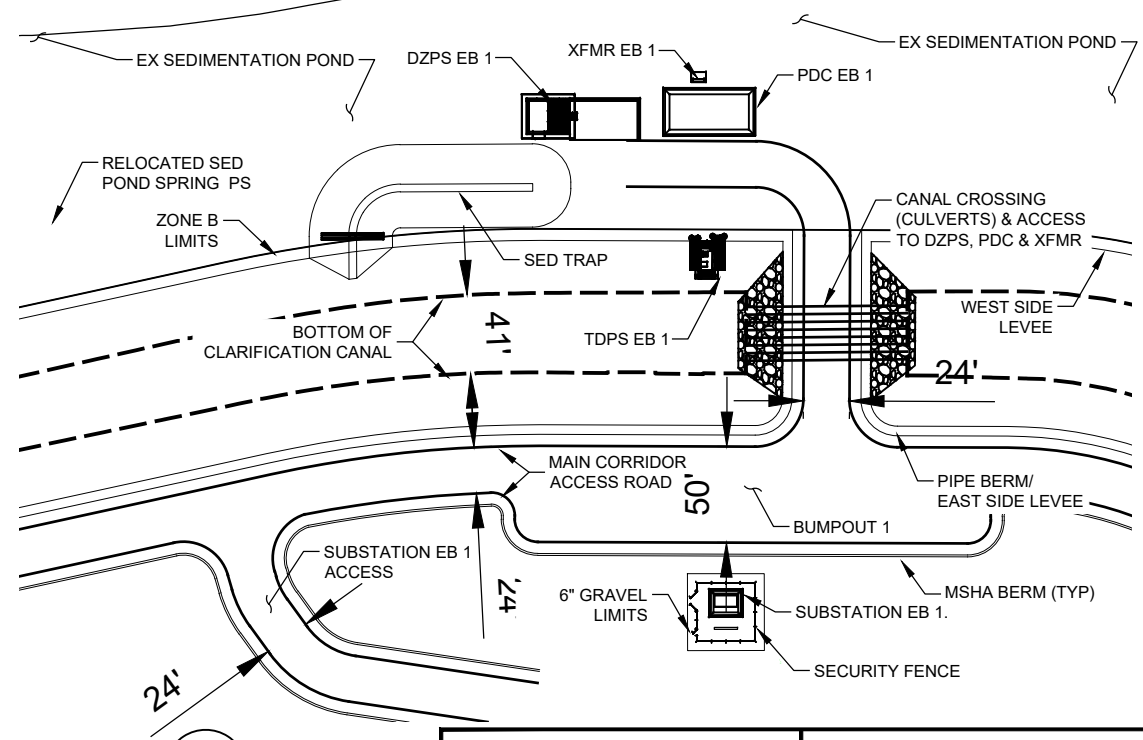
- NOTES:
1. THE SITE PLAN ON THIS DRAWING IS THE GENERAL SITE PLAN FOR THE EAST TAILINGS EXPANSION OVERALL PROJECT.



OVERALL SITE PLAN



1 INSET 1

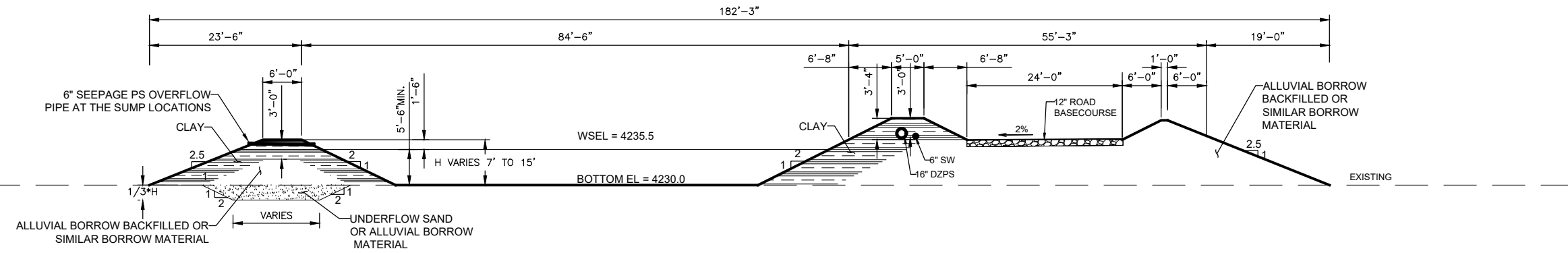


2 INSET 2

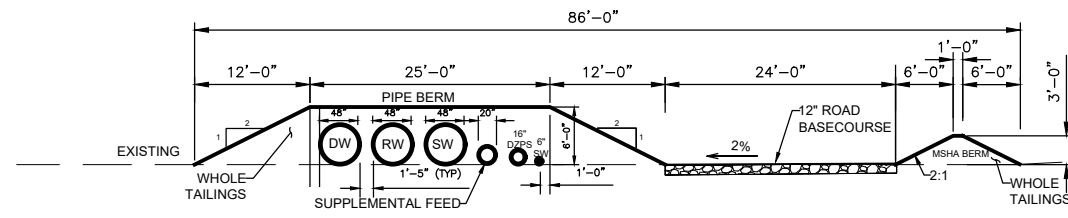
404 PERMIT APPLICATION
 Prepared By : TRB
 Date : 02/11/2022

EAST TAILINGS EXPANSION
 OVERALL SITE PLAN

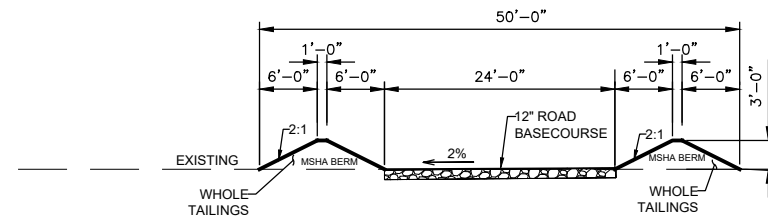
BROWN, TOM, 2/4/2022 2:17 PM



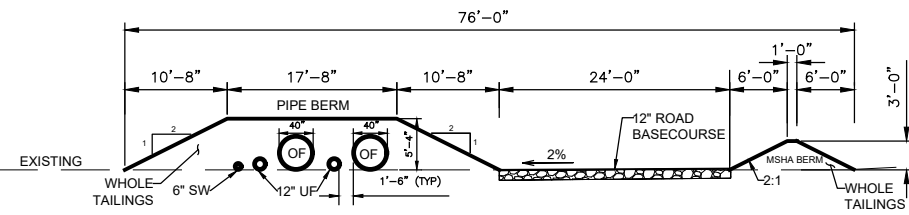
1 MAIN CORRIDOR
44711-52-089 NOT TO SCALE



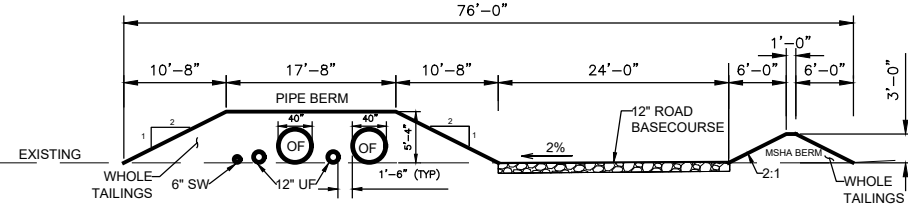
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44711-52-089 NOT TO SCALE



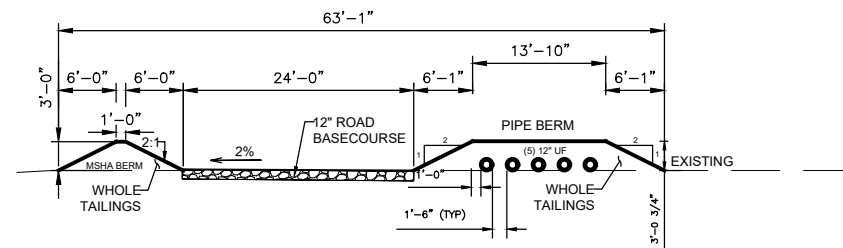
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44711-52-089 NOT TO SCALE



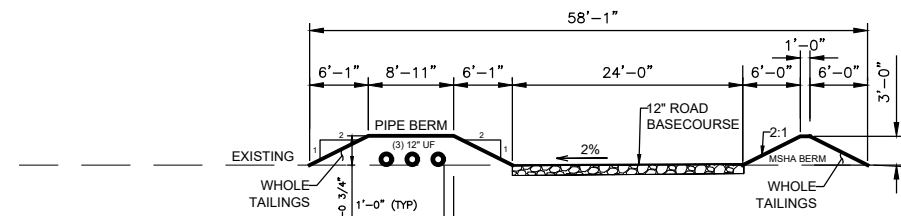
4 ACCESS ROAD 3
44711-52-089 NOT TO SCALE



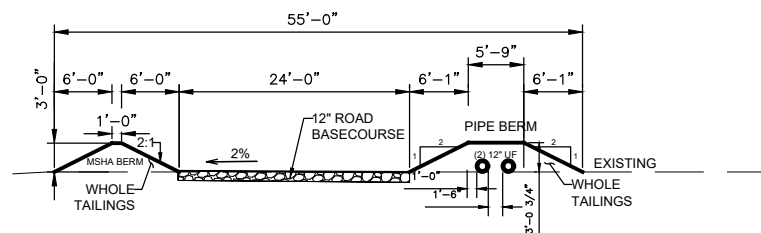
5 ACCESS ROAD 3
44711-52-089 NOT TO SCALE



6 NORTH VALVE STATION ROAD
44711-52-089 NOT TO SCALE



7 NORTH VALVE STATION ROAD
44711-52-089 NOT TO SCALE



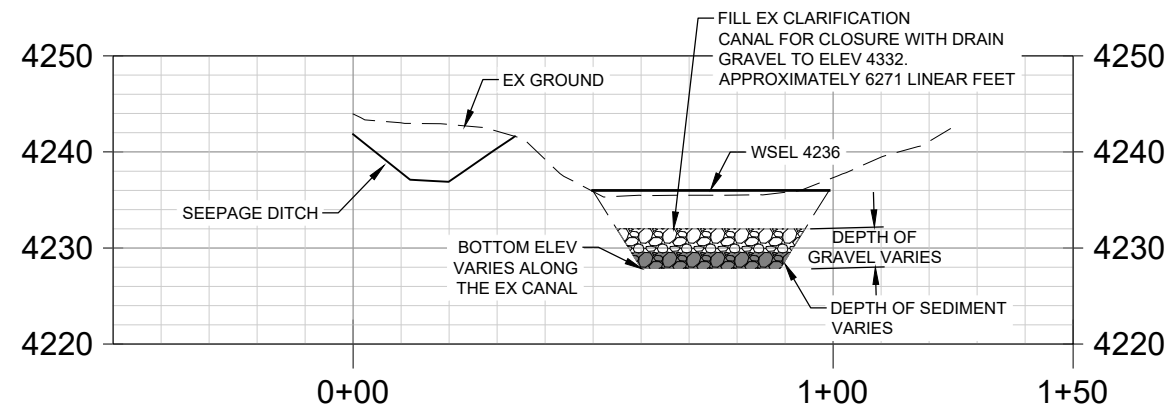
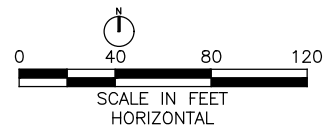
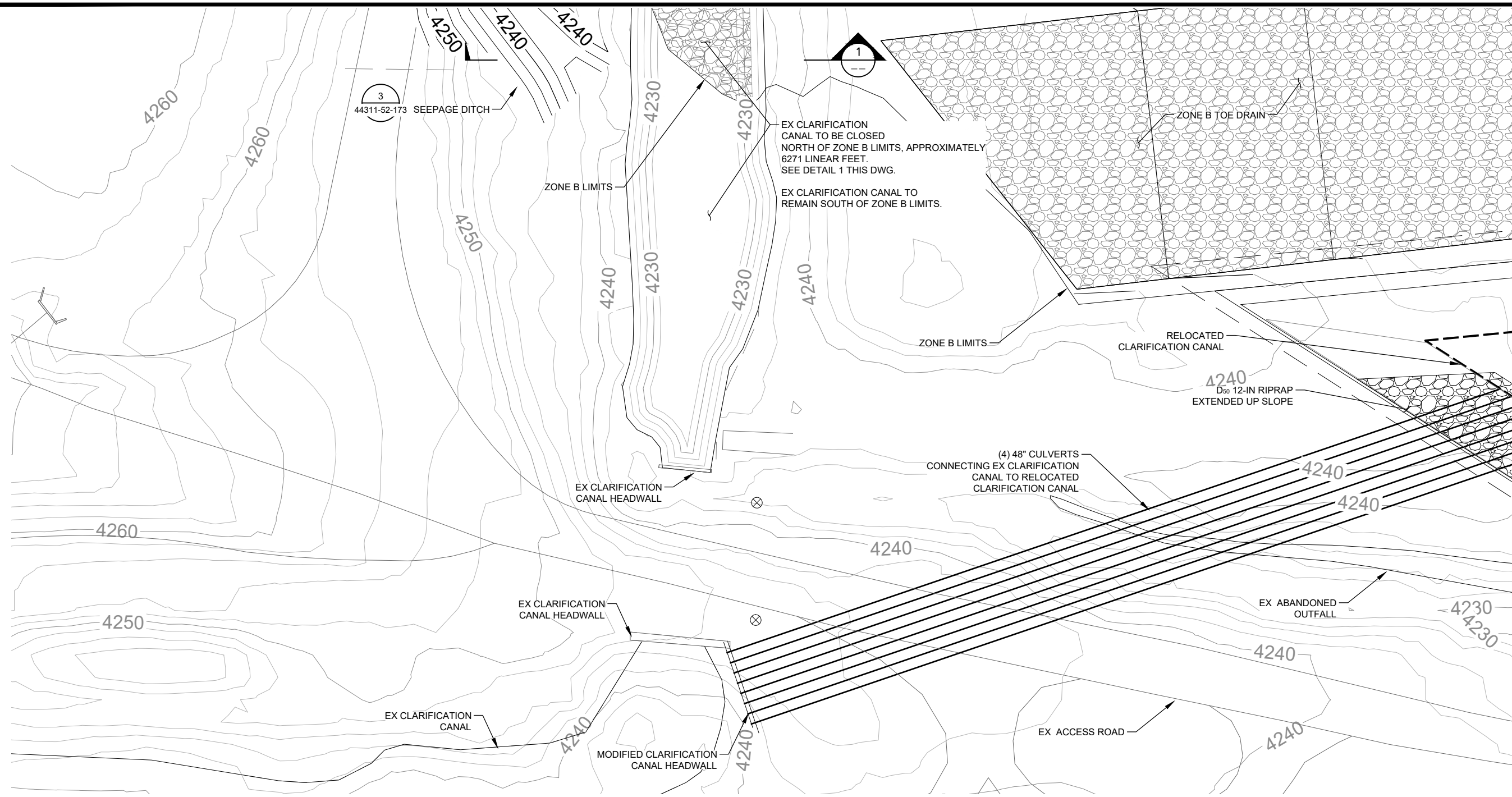
8 SOUTH VALVE STATION ROAD
44711-52-089 NOT TO SCALE

404 PERMIT APPLICATION		EAST TAILINGS EXPANSION TYPICAL ROAD & CORRIDOR SECTIONS
Prepared By : TRB		
Date : 02/11/2022		

DRAWING PATH: L:\DCS\Projects\WTR\60640901_KUC_NextPushBack\900_CAD_SHEETS\USACE\404-Figures\Fig 5 TYPICAL ROAD SECTIONS.dwg

BROWN, TOM, 2/4/2022, 2:23 PM

DRAWING PATH: L:\DCS\Projects\WTR\60640901_KIC_NextPushBack\900_CAD_GIS\910_CAD\20-SHEETS\USACE\404-Figures\FIG 6-7-Clarification Canal Closure Detail.dwg

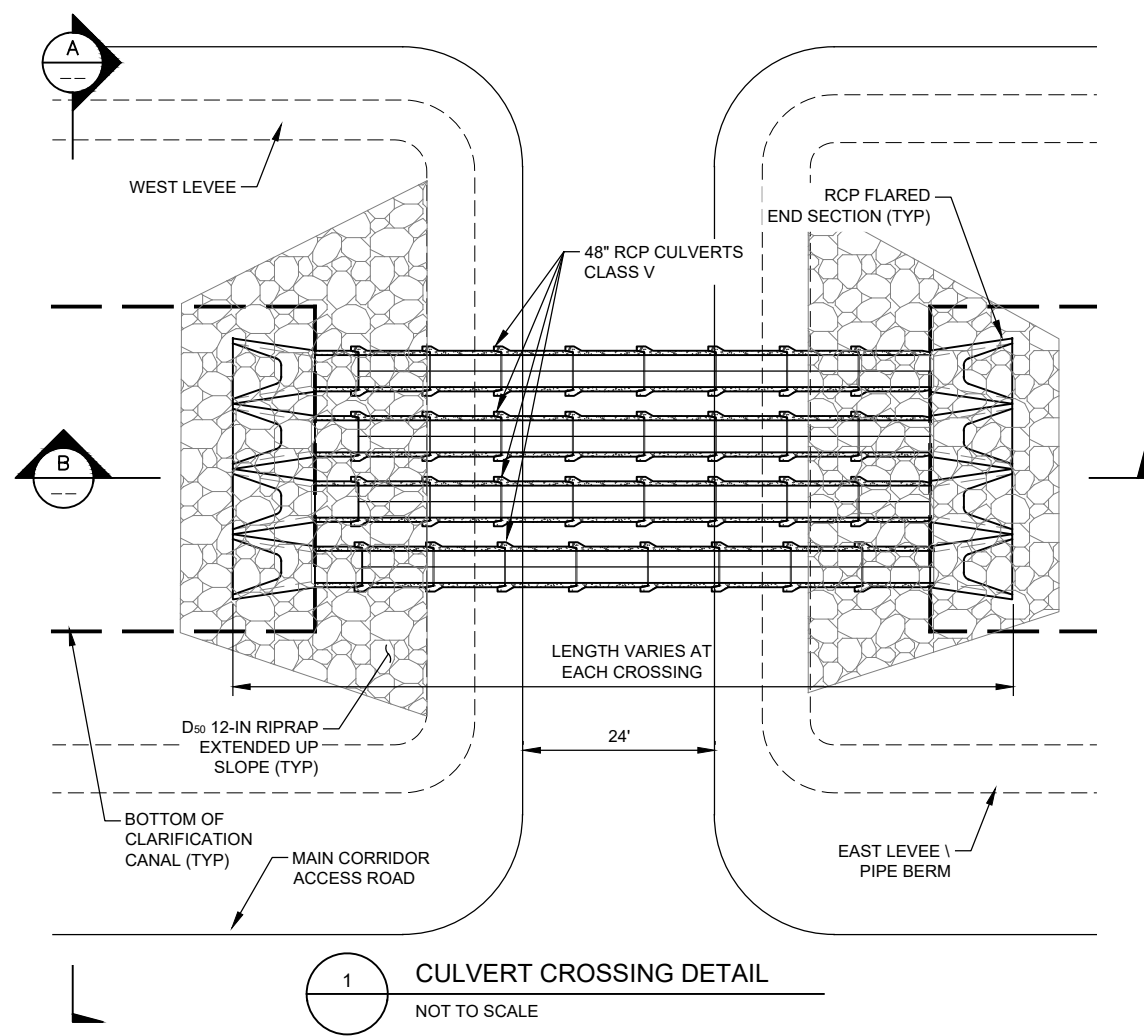


1 CLARIFICATION CANAL CLOSURE DETAIL
1"=40' HOR. 1"=80' VERT.

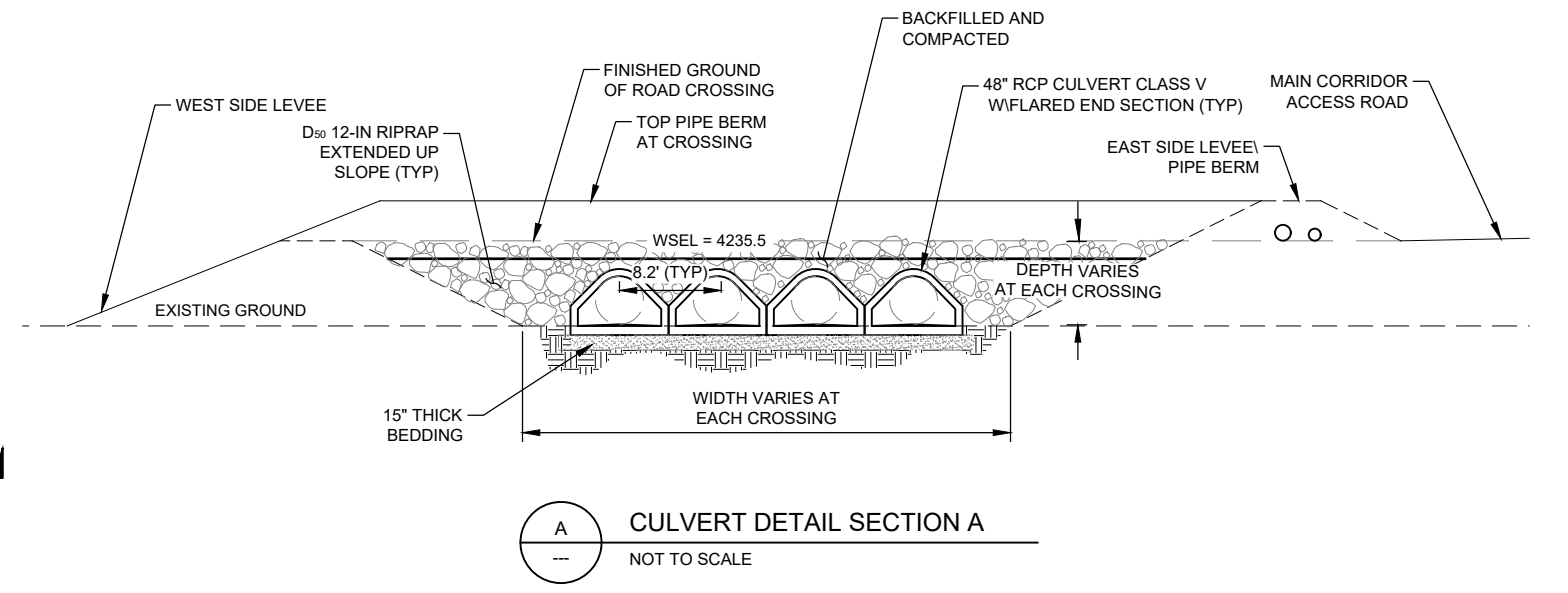
404 PERMIT APPLICATION		EAST TAILINGS EXPANSION CLARIFICATION CANAL CLOSURE PLAN * DETAIL
Prepared By : TRB		
Date : 02/11/2022		

BROWN, TOM, 2/4/2022, 2:24 PM

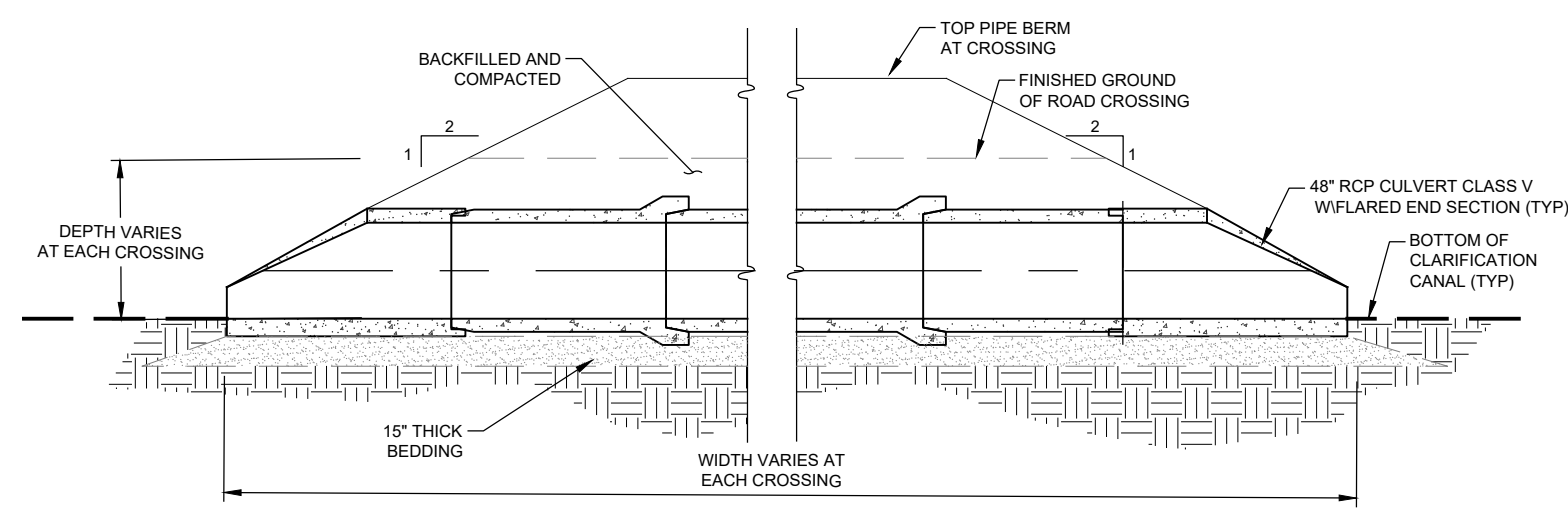
DRAWING PATH: L:\DCS\Projects\WTR\60640901_KUC_NextPushBack_900_CAD_GIS\910_CAD\20-SHEETS\USACE\404-Figures\FIG 6-7-Clarification Canal Closure Detail.dwg



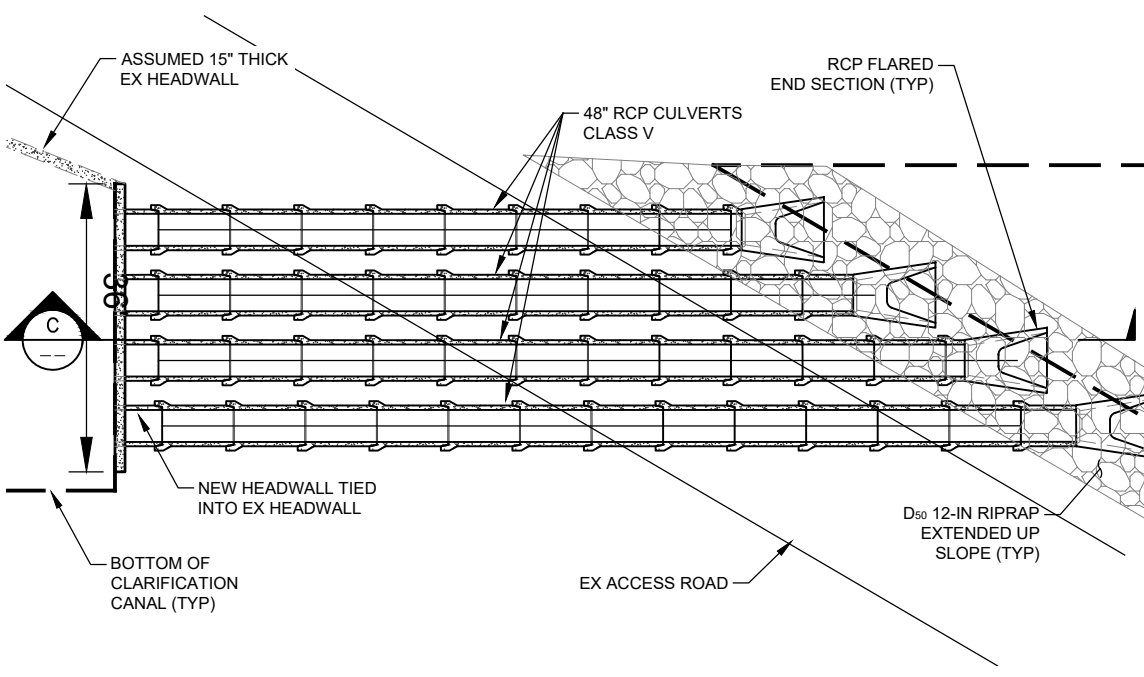
1 CULVERT CROSSING DETAIL
NOT TO SCALE



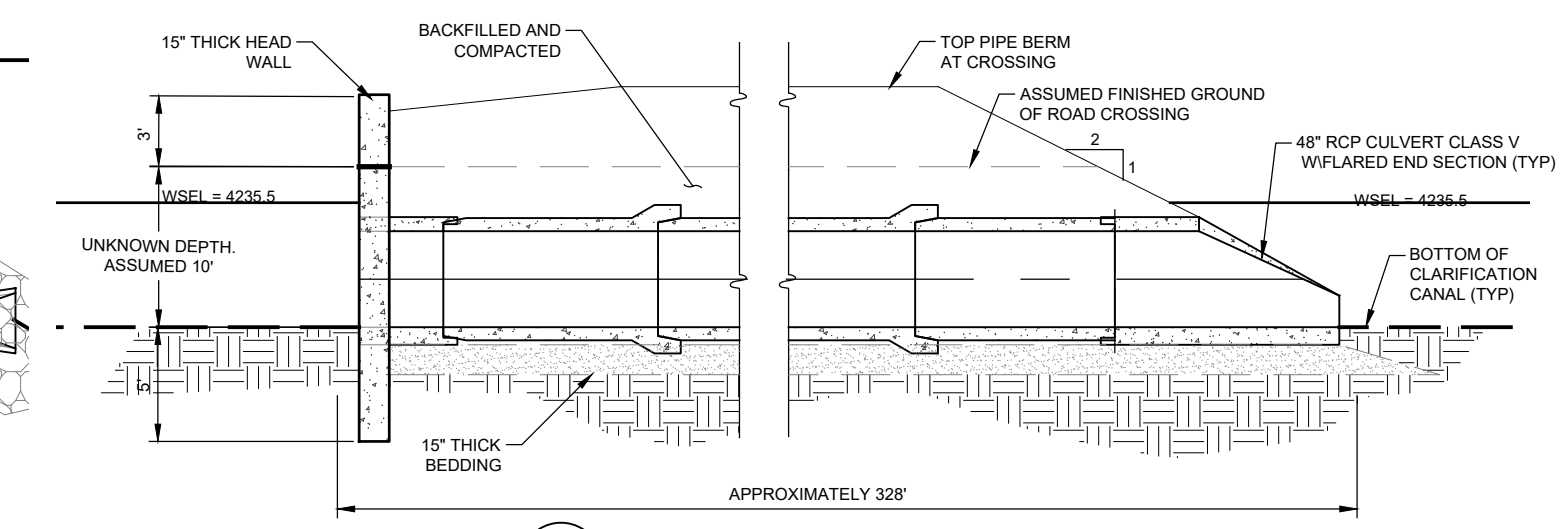
A CULVERT DETAIL SECTION A
NOT TO SCALE



B CULVERT DETAIL SECTION B
NOT TO SCALE



2 CULVERT CROSSING DETAIL
NOT TO SCALE



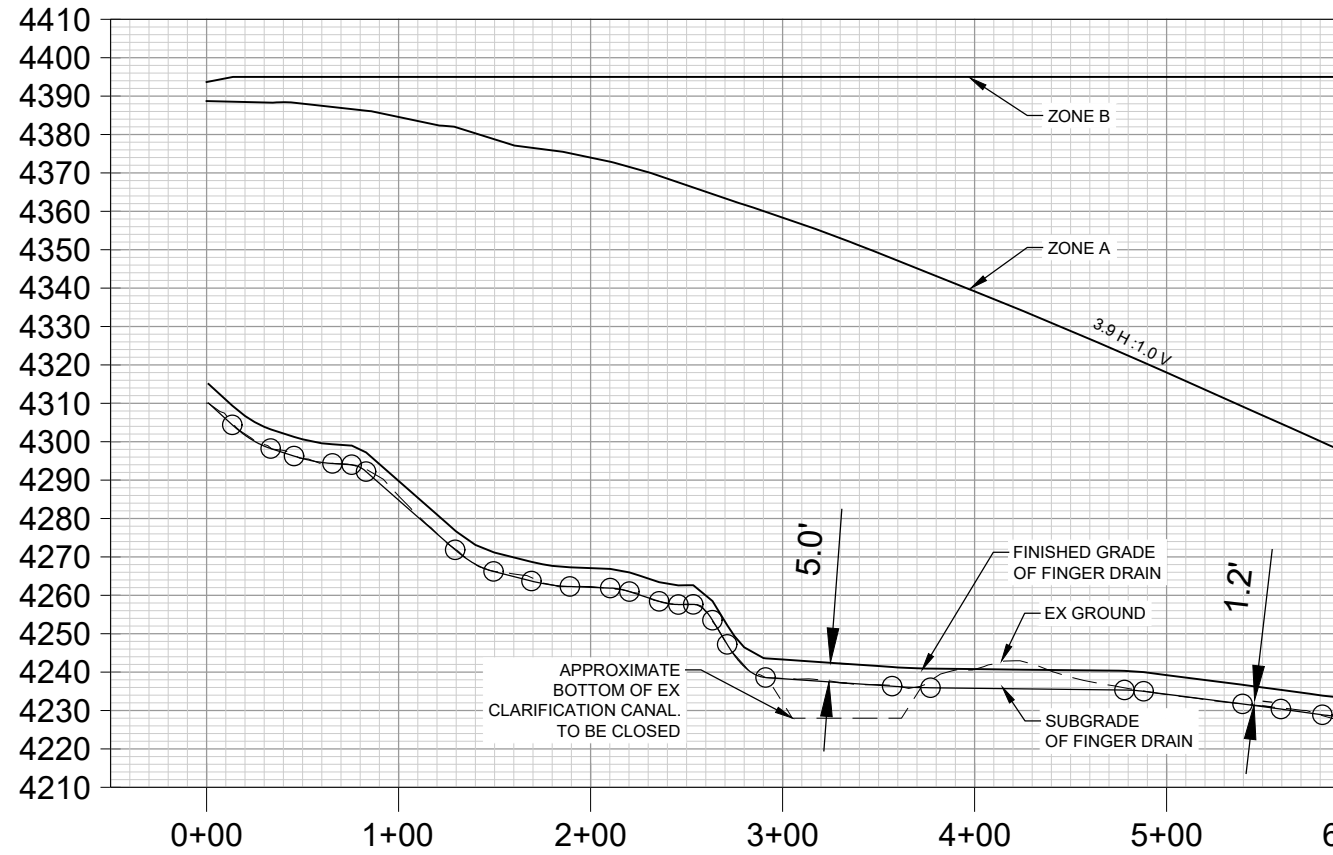
C CULVERT DETAIL SECTION C
NOT TO SCALE

404 PERMIT APPLICATION
Prepared By : TRB
Date : 02/11/2022

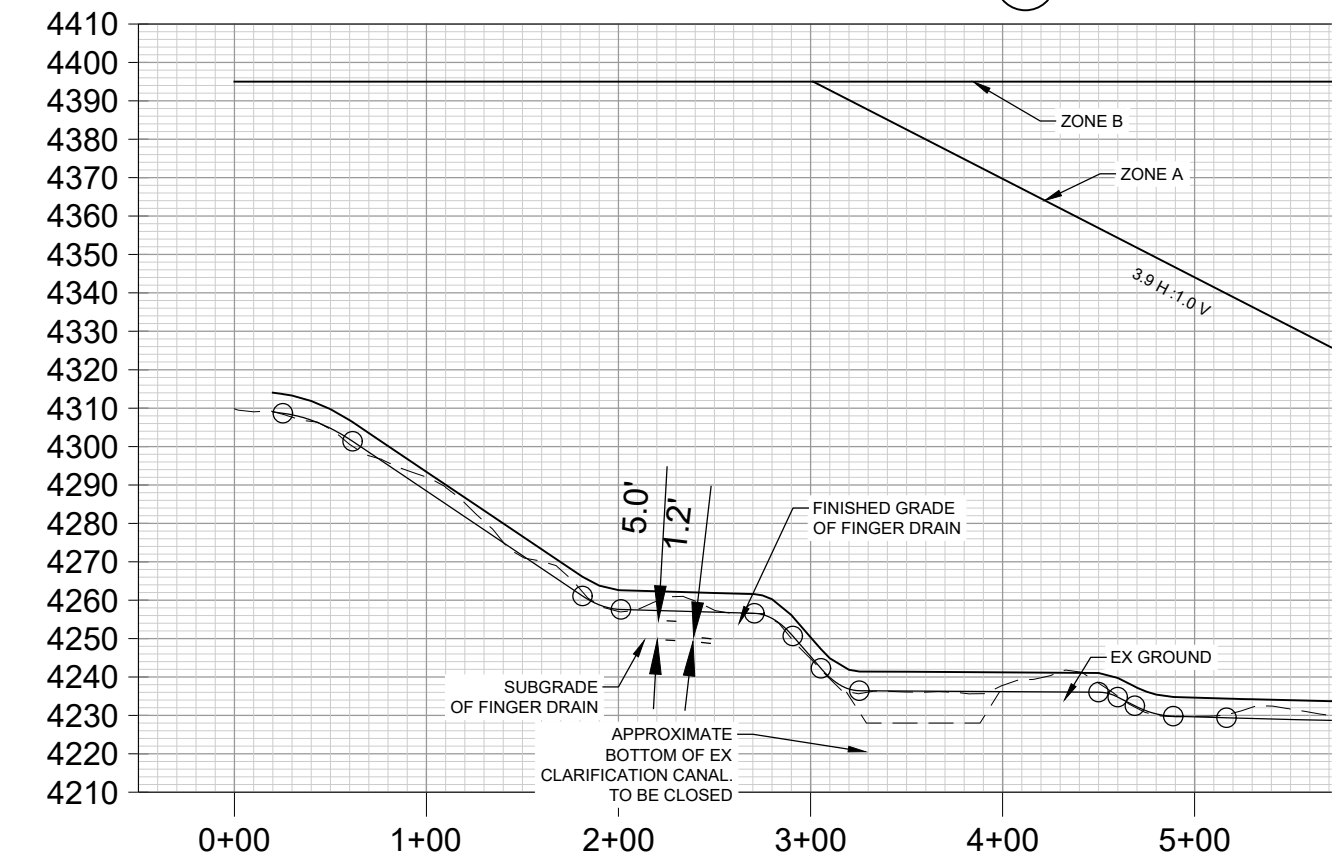
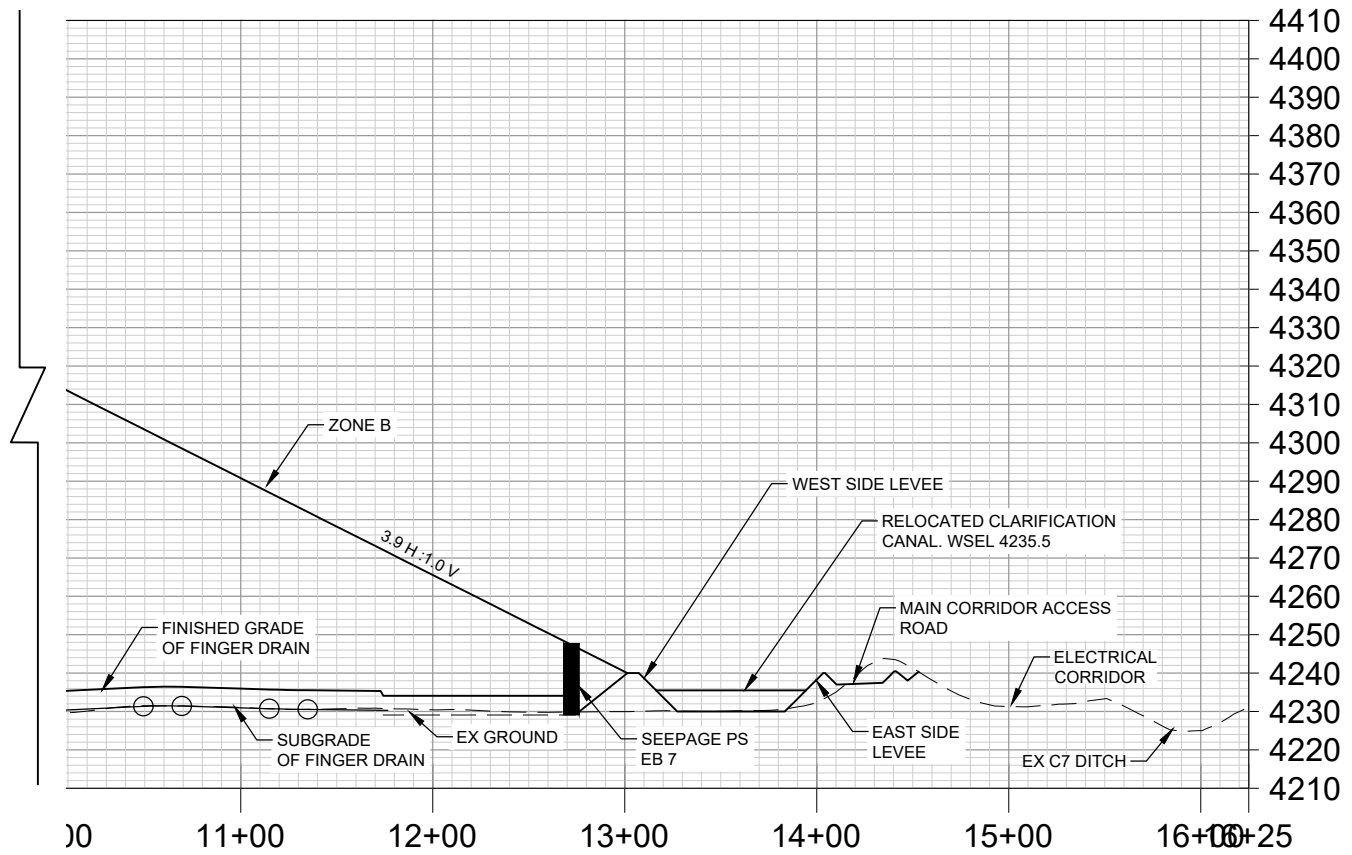
EAST TAILINGS EXPANSION
CULVERT DETAILS

BROWN, TOM, 2/4/2022, 2:47 PM

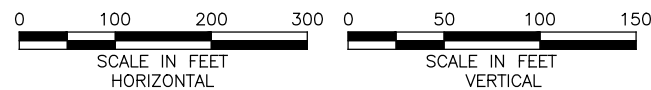
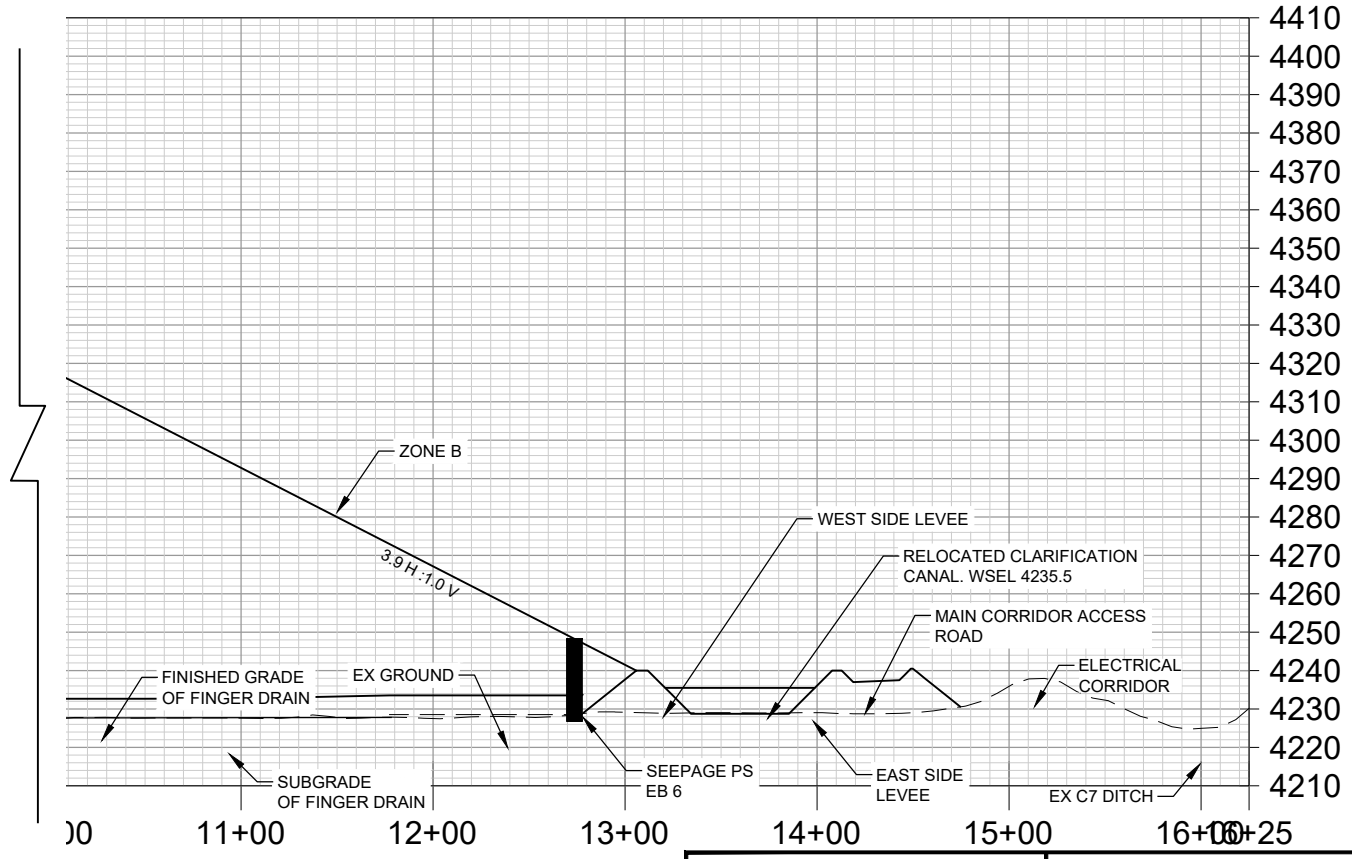
DRAWING PATH: L:\DCS\Projects\WTR\60640901_KUC_NextPushBack\900_CAD\20-SHEETS\USACE\404-Figures\FIG 7-8-9-EB Drain System P&F.dwg



(A) FINGER DRAIN SECTION THROUGH SEEPAGE PS EB 7



(B) FINGER DRAIN SECTION THROUGH SEEPAGE PS EB 6



404 PERMIT APPLICATION

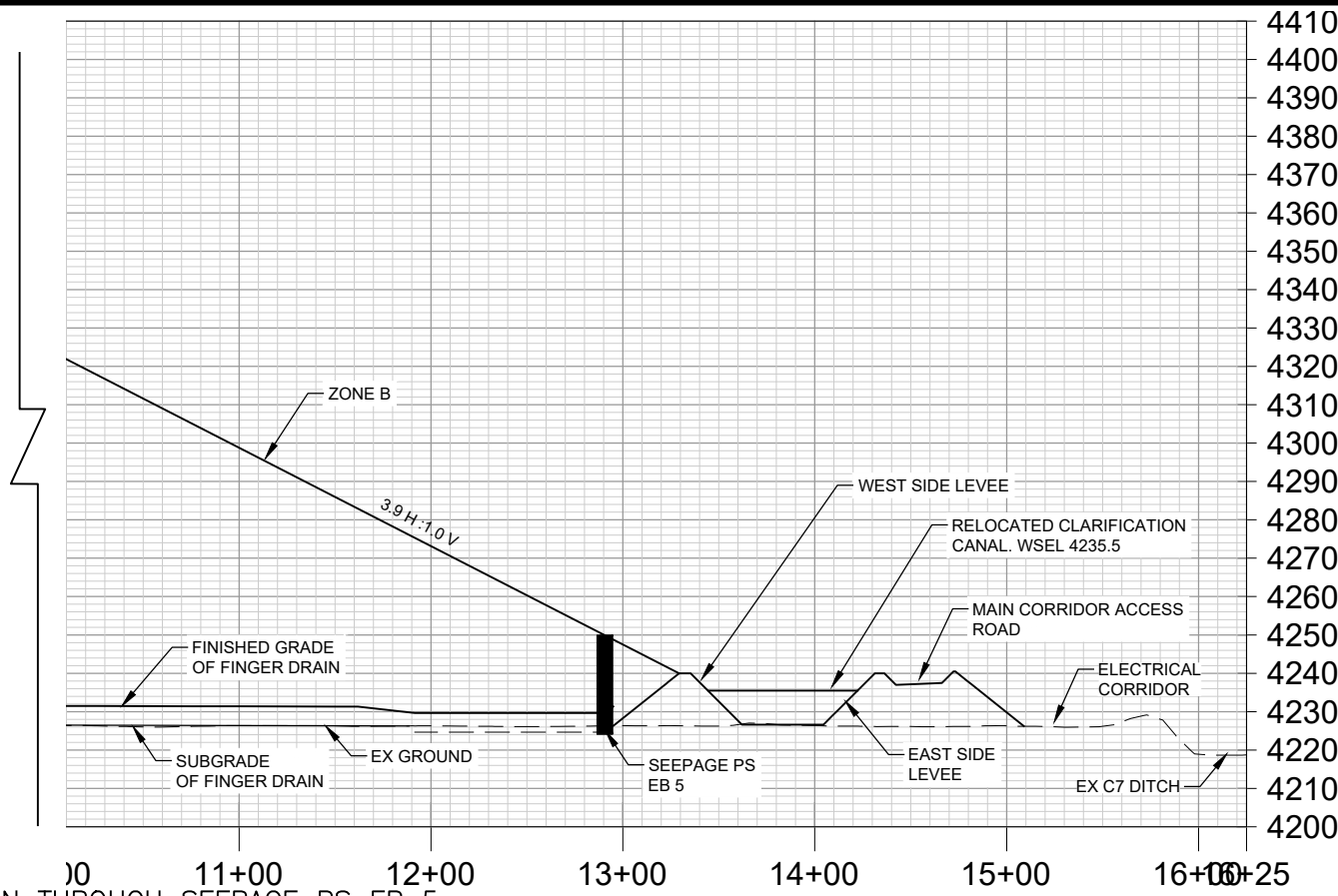
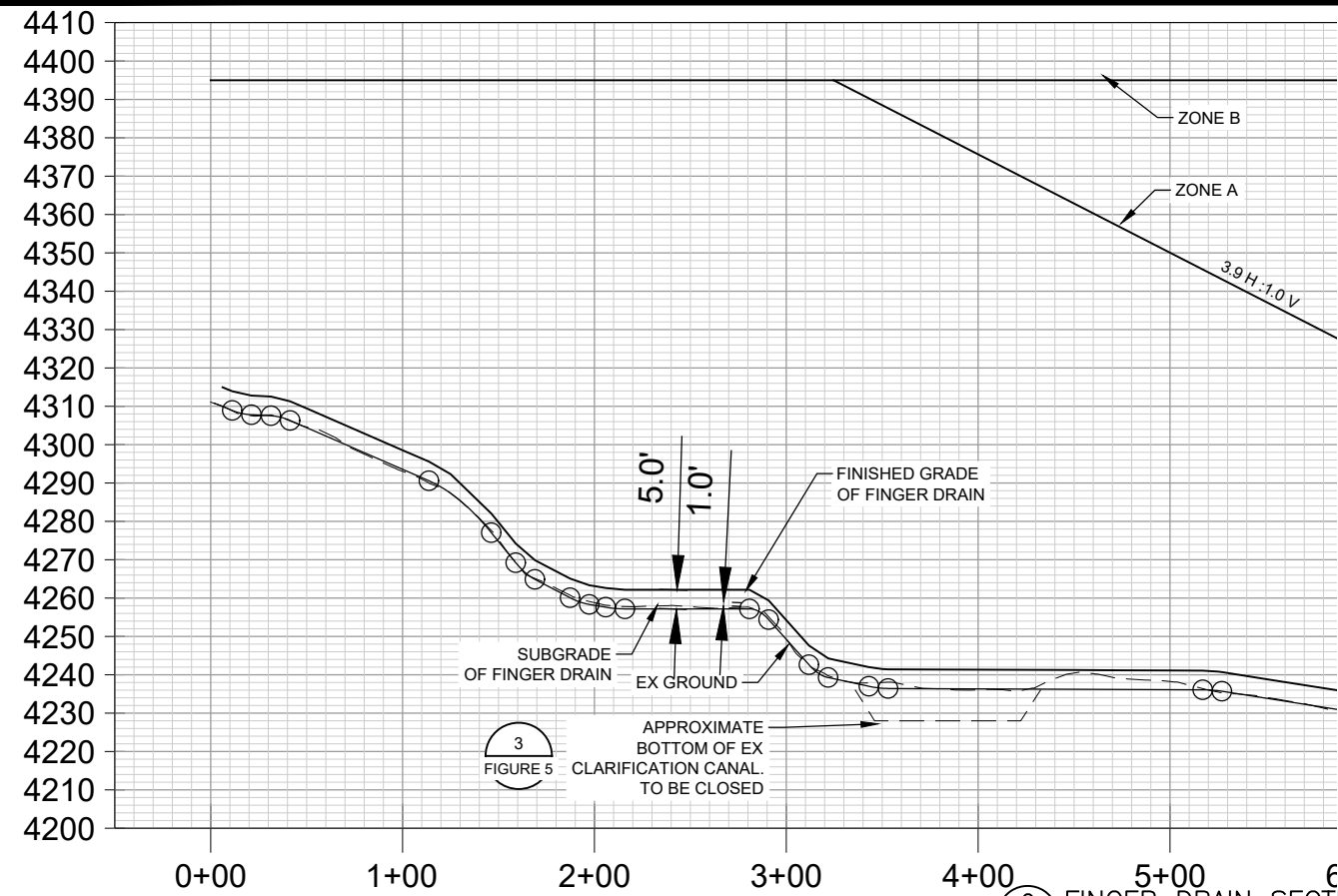
Prepared By : TRB

Date : 02/11/2022

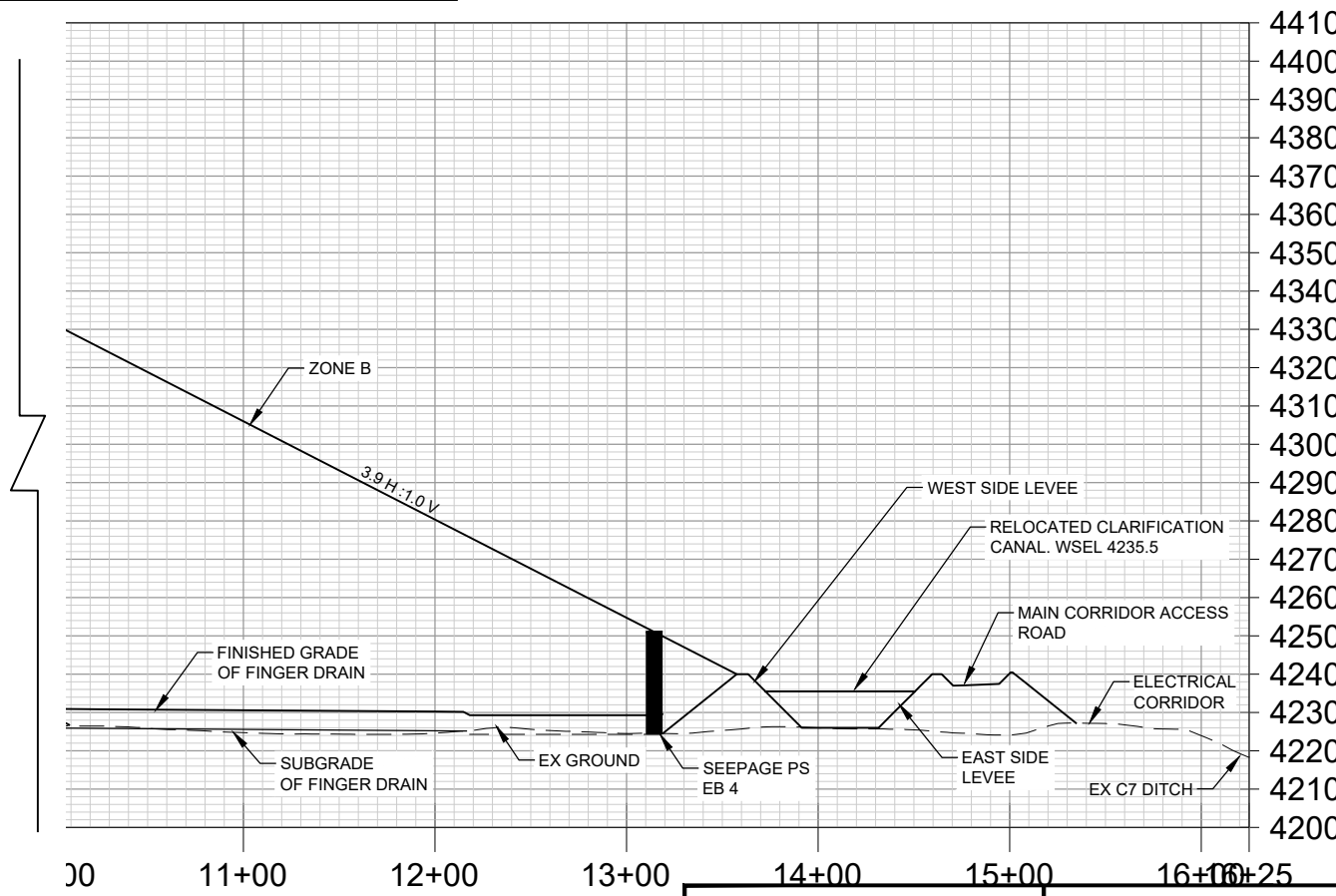
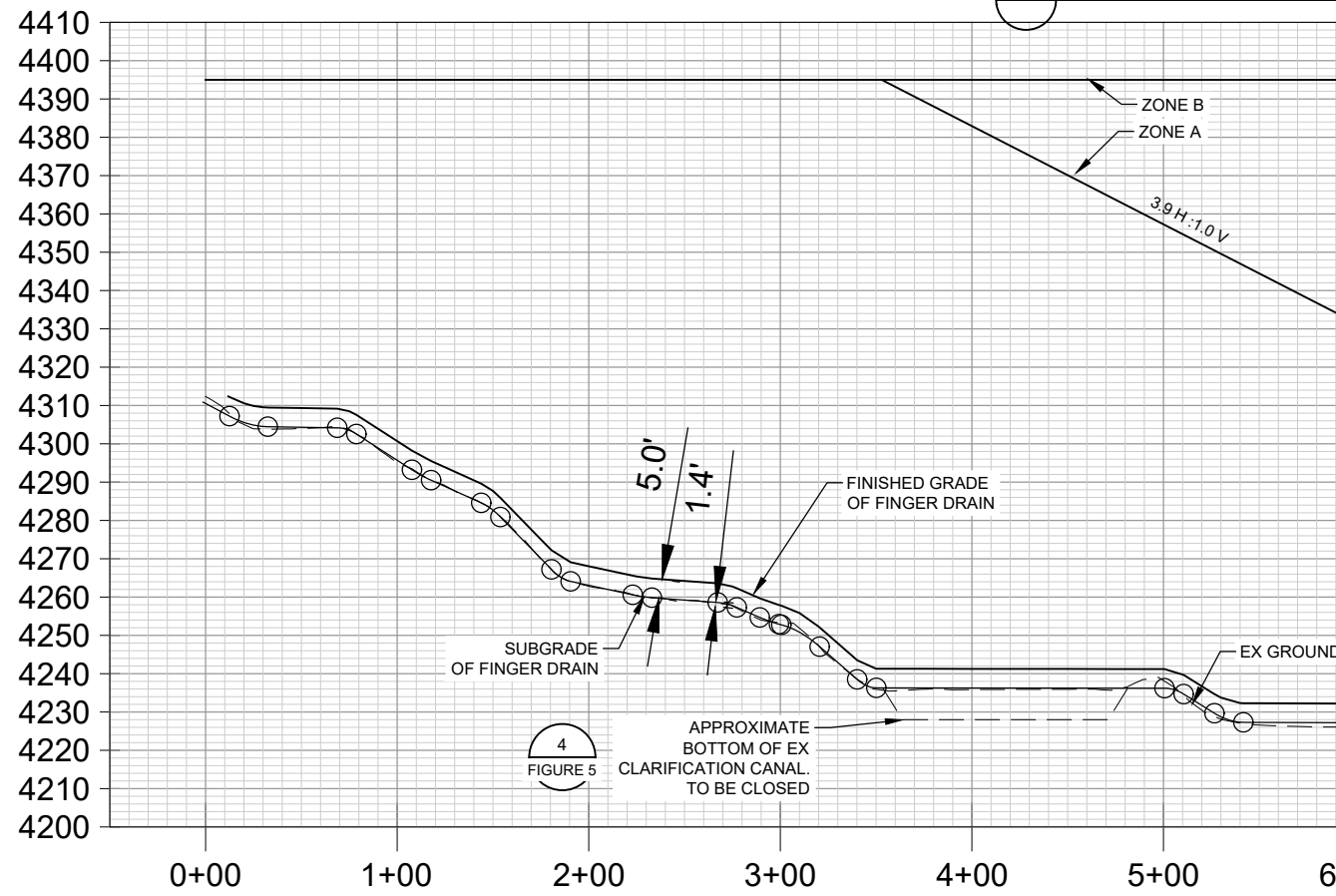
EAST TAILINGS EXPANSION
FINGER DRAIN
SECTION A & B

BROWN, TOM, 2/11/2022, 2:44 PM

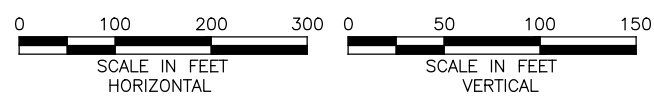
DRAWING PATH: L:\DCS\Projects\WTR\60640901_KUC_NextPushBack\900_CAD\20-SHEETS\USACE\404-Figures\FIG 7-8-9-EB_Drain_System_P&F.dwg



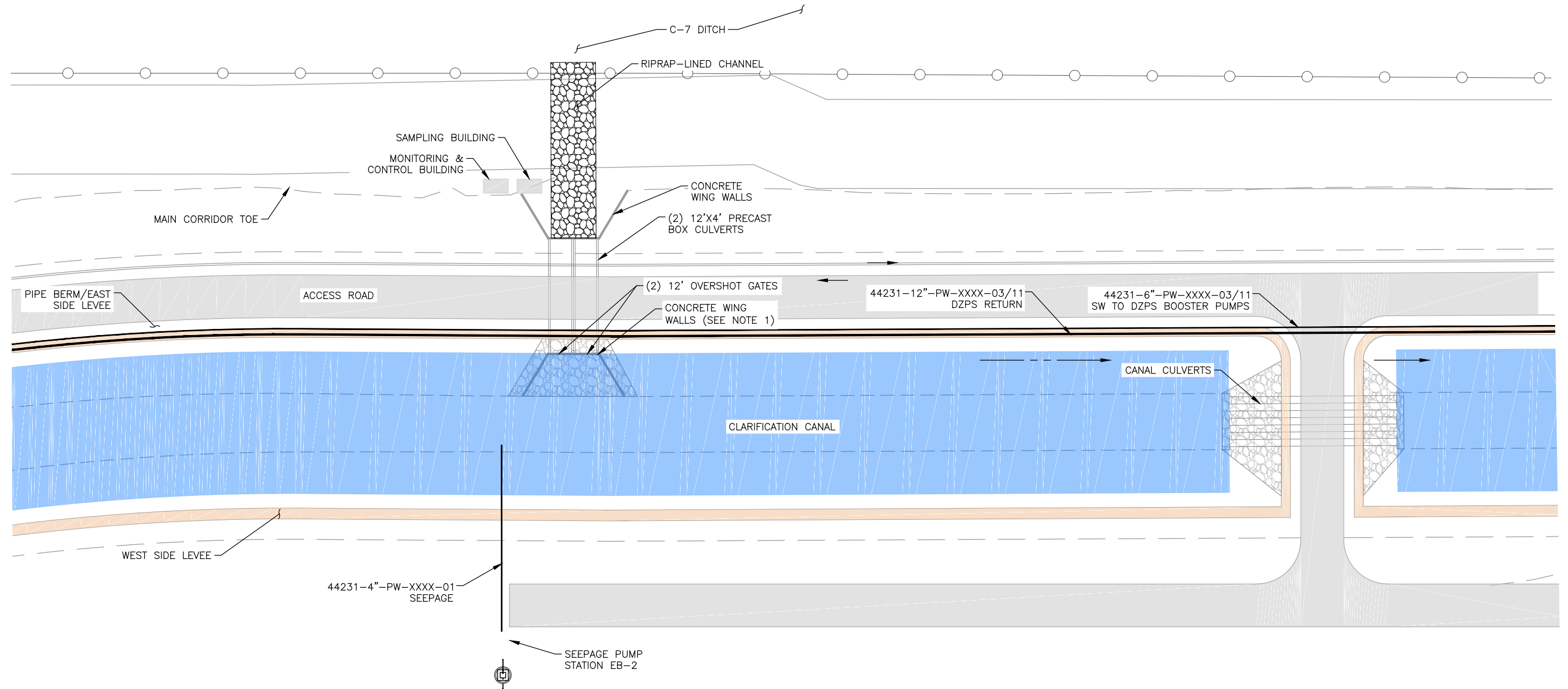
(C) FINGER DRAIN SECTION THROUGH SEEPAGE PS EB 5



(D) FINGER DRAIN SECTION THROUGH SEEPAGE PS EB 4



404 PERMIT APPLICATION		EAST TAILINGS EXPANSION FINGER DRAIN SECTIONS C & D
Prepared By : TRB		
Date : 02/11/2022		



PLAN



NOTES:
 1. LEVEL INDICATORS FOR THE CLARIFICATION CANAL (23-LW-304A AND 304B) SHOULD BE RELOCATED NEAR THE OUTFALL 002 WING WALLS.

404 PERMIT APPLICATION		EAST TAILINGS EXPANSION OUTFALL 002 GENERAL ARRANGEMENT
Prepared By : TRB		
Date : 02/11/2022		

FIG. 11