



DATUM:
HORIZONTAL DATUM: STATE PLANE COORDINATE SYSTEM
WASHINGTON SOUTH ZONE, NAD 83/91, US FEET
VERTICAL DATUM: NGVD 29

THIS MAP HAS BEEN PRODUCED USING PROCEDURES THAT HAVE BEEN DEMONSTRATED
TO YIELD MAPPING WHICH COMPLIES WITH THE NATIONAL STANDARD FOR SPATIAL DATA
ACCURACY (NSSDA) FOR A SCALE OF $1''=100'$.
MAPPING FROM AERIAL PHOTOGRAPHY TAKEN 12 JUNE 2007.

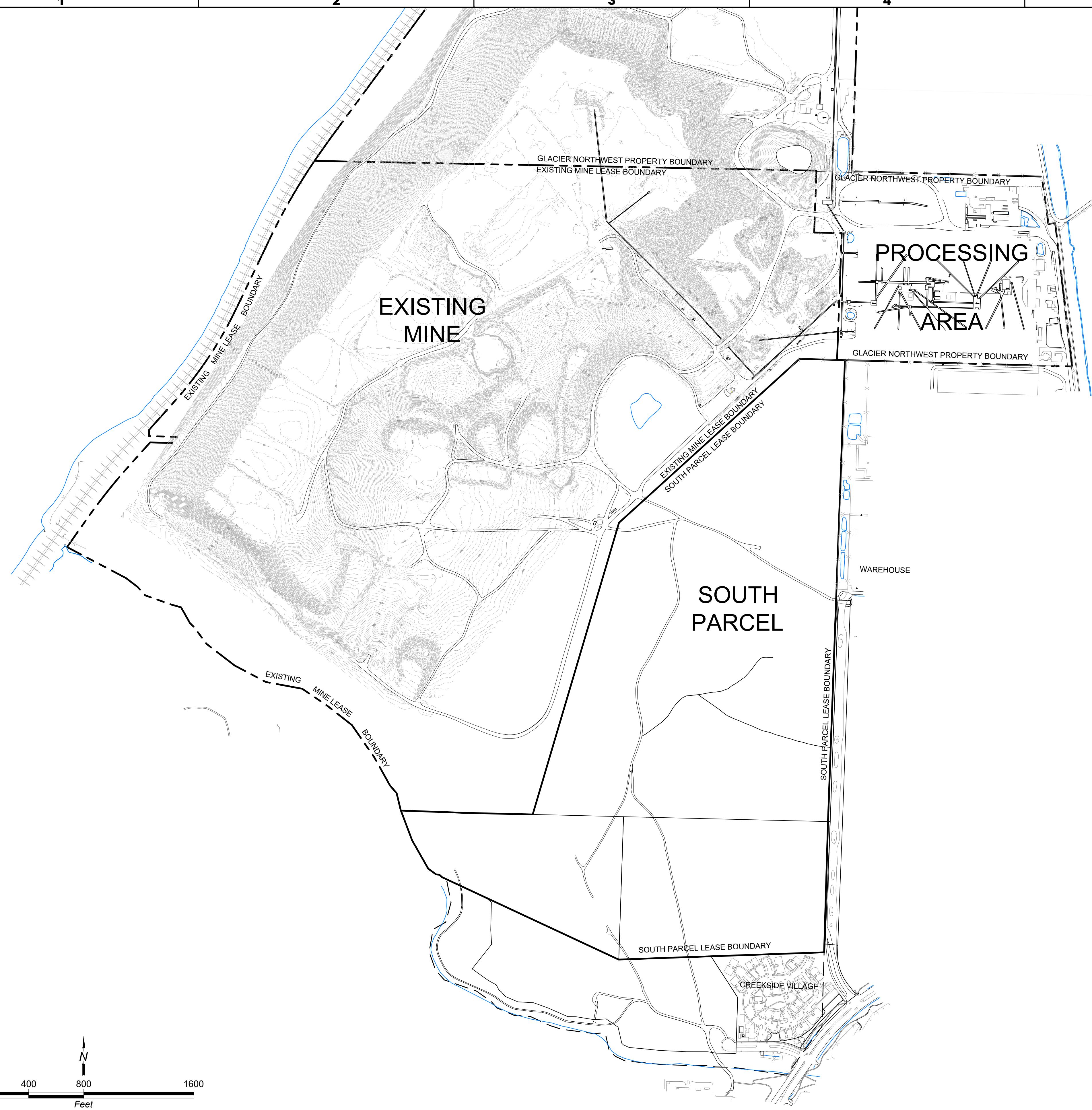
AERIAL MAPPING BY:
AERO-METRIC
SEATTLE
12602 Interurban Avenue North
Phone: 206.244.2200 • Fax: 206.244.2333
PROJECT NO: 507-0510

SHEET
REFERENCE
NUMBER:
G-2
SHEET 2 OF 11



CALPORTLAND

DATE	REVISION	PROJECT NUMBER	DESIGNED BY	DRAWN BY	REV.	REvised BY	DESCRIPTION	APPR.
JAN-2021	0	040001	OGRBNG	CMV				



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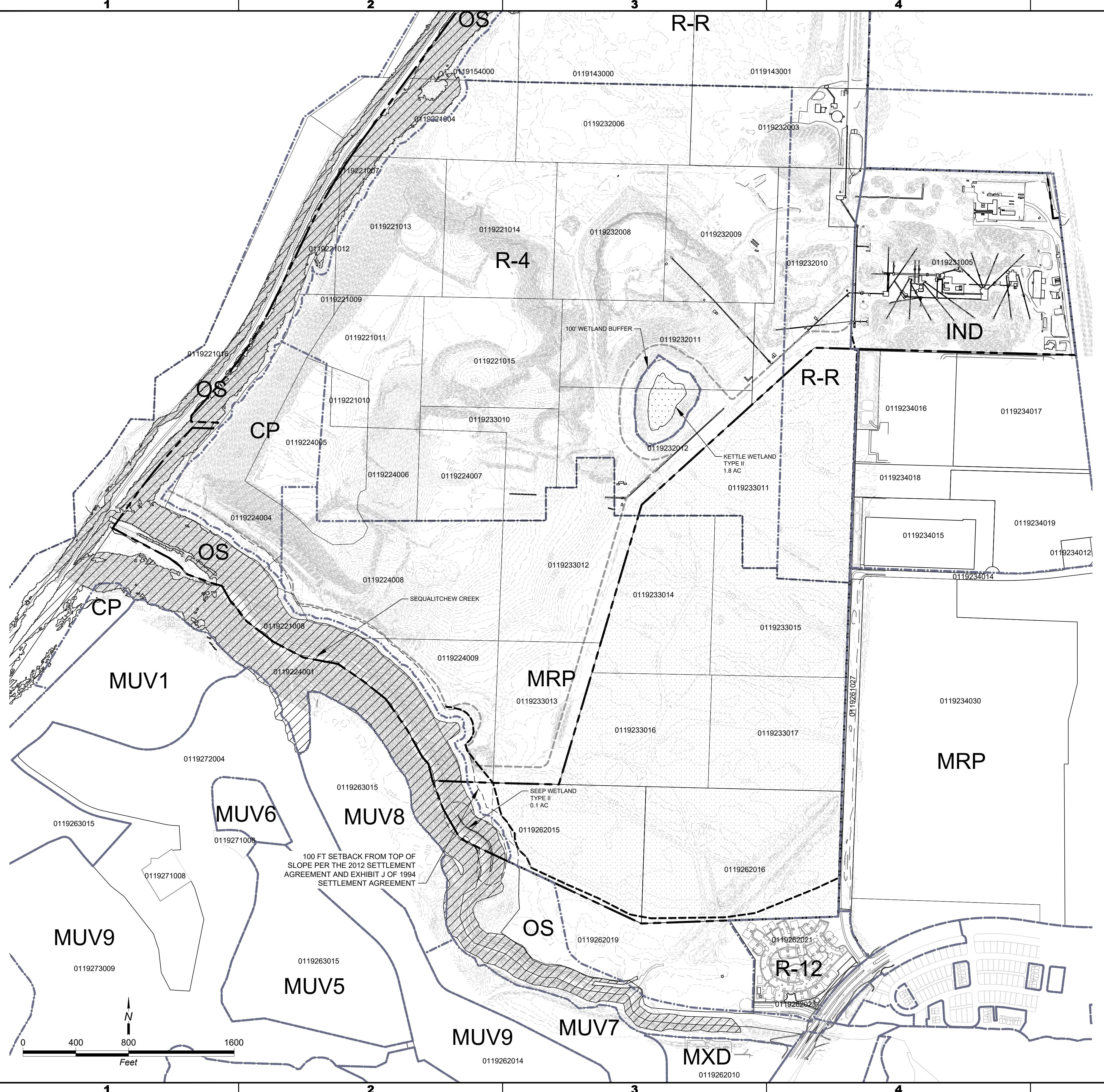
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MAPPING FROM AERIAL PHOTOGRAPHY TAKEN NOVEMBER 8, 2018.



PIONEER AGGREGATES
SOUTH PARCEL PROJECT
EXISTING TOPOGRAPHY
EXISTING MINE AREA - 2018
CalPortland
DuPont, Washington

SHEET
REFERENCE
NUMBER:
G-3
SHEET 3 OF 11

Aspect CONSULTING		CALPORTLAND	
DATE: JAN-2021	REVISION: 0	PROJECT NUMBER: 040001	DRAWN BY: OGRBNG CMV
DESIGNED BY:	REVISED BY:	REVIEWED BY:	APPR.
DATA:	DATA:	DATA:	DATA:
DESCRIPTION:	DESCRIPTION:	DESCRIPTION:	DESCRIPTION:



RTL AND



Aspect Consulting

GREEN ACRES SOUTH PARCEL PROJECT SENSITIVE AREAS AND ZONING DUPONT MINE EXPANSION

**SHEET
REFERENCE
NUMBER:**

SHEET 4 OF 1

LEGEND

— SITE BOUNDARY
— PARCEL BOUNDARY
0119233011 TAX ACCOUNT NUMBER

SENSITIVE AREAS

WETLAND (TYPE II)

WETLAND BUFFER

STREAM

100 FT STREAM BUFFER

50 FT STEEP SLOPE BUFFER

GEOLOGICALLY HAZARDOUS AREAS

ZONING

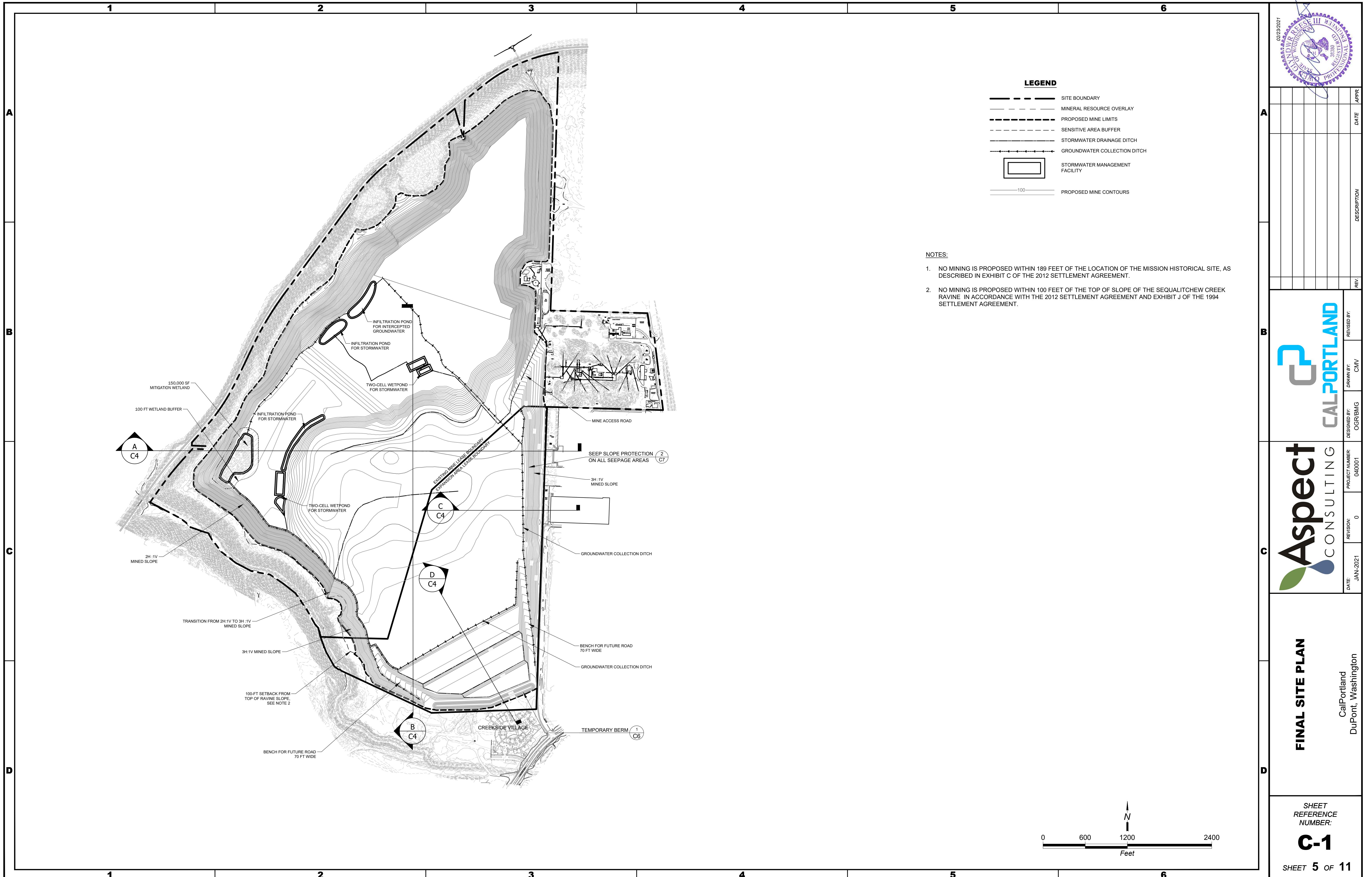


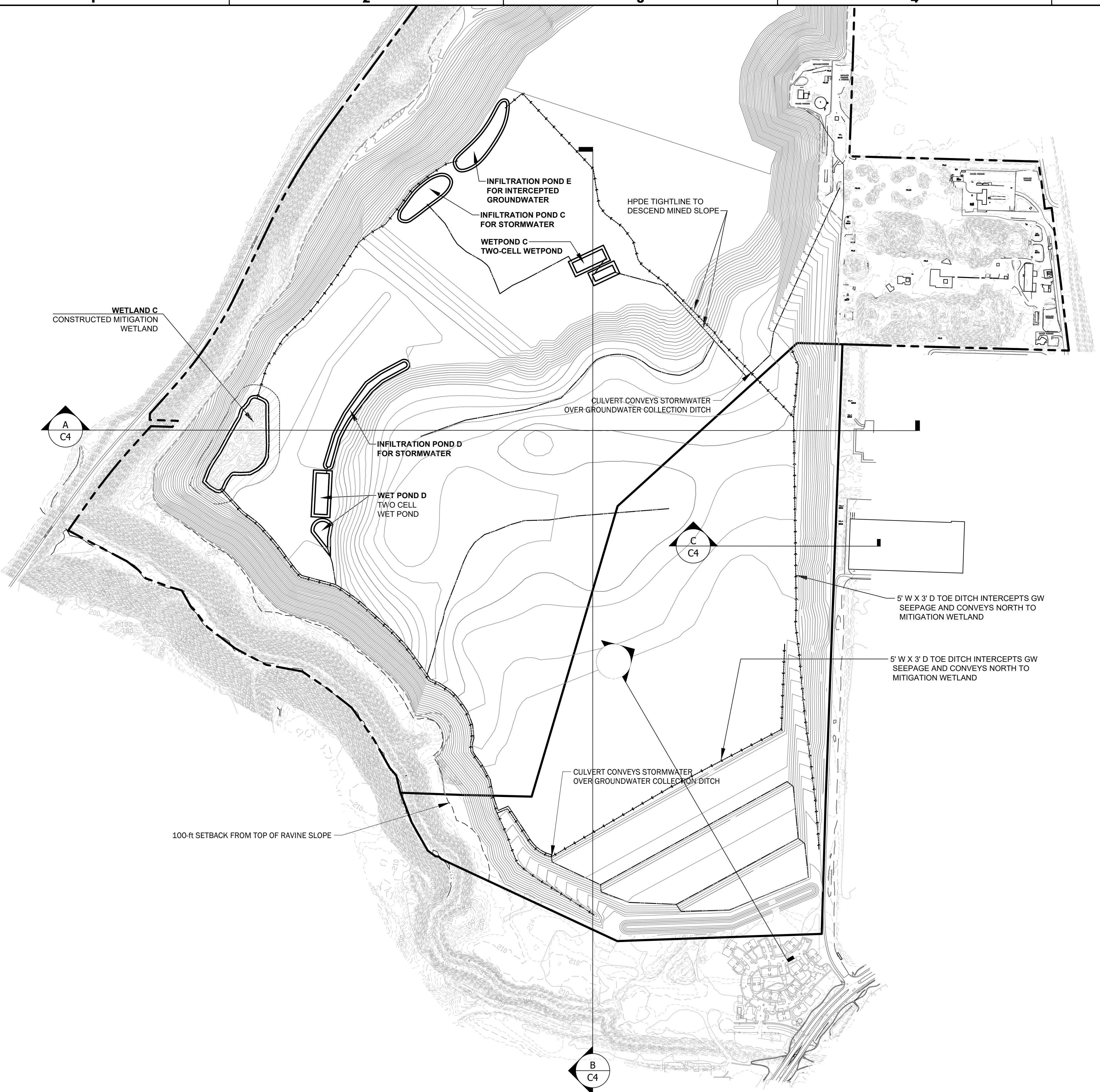
ZONING BOUNDARY

MINERAL RESOURCE OVERLAY- 2006 ADDITION	
MRP	MANUFACTURING AND RESEARCH
MUV	MIXED USE VILLAGE
MXD	MIXED USE
R-4	RESIDENTIAL 4
RR	RESIDENTIAL RESERVE
CP	COMMUNITY PARK
OS	OPEN SPACE
IND	INDUSTRIAL
BTP	BUSINESS TECHNICAL PARK
R-12	RESIDENTIAL 12

NOTES:

1. WETLANDS SHOWN ACCORDING TO WETLAND DELINEATION REPORT (2007) AND ADDENDUM (2018) BY ANCHOR QEA.
2. GEOLOGICALLY HAZARDOUS AREAS SHOWN ACCORDING TO CRITICAL AREA REPORT (ANCHOR QEA AND ASPECT CONSULTING, 2021.)
3. OPEN ZONE WITHIN THE PIONEER AGGREGATE PROPERTY IS BASED ON KNOWN CRITICAL AREAS AND BUFFER DISTANCES. ALL OTHER ZONING BOUNDARIES ARE PER CITY OF DURGON COMPREHENSIVE PLAN (2010).





LEGEND

- GROUNDWATER COLLECTION DITCH
- DRAINAGE DITCH
- STORMWATER FACILITY
- PROPOSED MINE CONTOURS

CONVEYANCE NOTES:

- 1) DITCH LOCATIONS SHOWN ARE BASED ON CURRENT UNDERSTANDING OF SUBSURFACE TOPOGRAPHY. DITCHES WILL BE CONSTRUCTED IN THE FIELD BASED ON CONDITIONS ENCOUNTERED.
- 2) GRADE MINE FLOOR TO DRAIN TO MAIN DITCHES SHOWN ON PLAN.
- 3) PERMANENT OR LONG-TERM DITCHES SHALL BE VEGETATED WHERE SLOPE IS LESS THAN 6 PERCENT, COBBLE-LINED WHERE SLOPE IS BETWEEN 6 TO 10 PERCENT, AND RIPRAP-LINED ON STEEPER SLOPES.

WETPOND DIMENSION SCHEDULE

POND	CELL	DEPTH IN FT	VOLUME IN CF
C	1	6	79,704
	2	7	187,614
D	1	6	111,816
	2	7	263,739

INFILTRATION POND DIMENSION SCHEDULE

POND	DESIGN INFILT RATE IN INCH/HR	DEPTH IN FT	BOTTOM AREA IN SF	TOP AREA IN SF
C	8.2	5	50,762	66,748
D	8.1	5	37,655	68,755
E	8.2	6	57,807	82,120

WETPOND AND INFILTRATION POND NOTES:

- 1) POND LOCATIONS SHOWN ARE BASED ON CURRENT UNDERSTANDING OF SUBSURFACE CONDITIONS. PONDS LOCATIONS MAY CHANGE BASED ON CONDITIONS ENCOUNTERED OR OPERATIONAL NEEDS. RELOCATED PONDS SHALL BE CONSTRUCTED ACCORDING TO THE DIMENSIONS SCHEDULES SHOWN ON THIS SHEET.
- 2) INFILTRATION PONDS AND WETPONDS SHALL HAVE 3H:1V SIDE SLOPES, EXCEPT FOR WETPOND BERMS WHICH SHALL HAVE 2H:1V SIDE SLOPES AND BE SUBMERGED BY 1 FT.
- 3) POND DEPTH INCLUDES 1 FOOT OF FREEBOARD, AND 1 FOOT RESERVED FOR SEDIMENT STORAGE IN FIRST CELL OF WETPONDS.
- 4) VOLUME IS WHEN FULL TO DESIGN WATER SURFACE ELEVATION AND DOES NOT INCLUDE RESERVE FOR SEDIMENT STORAGE.



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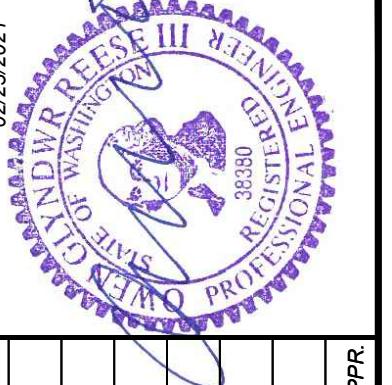
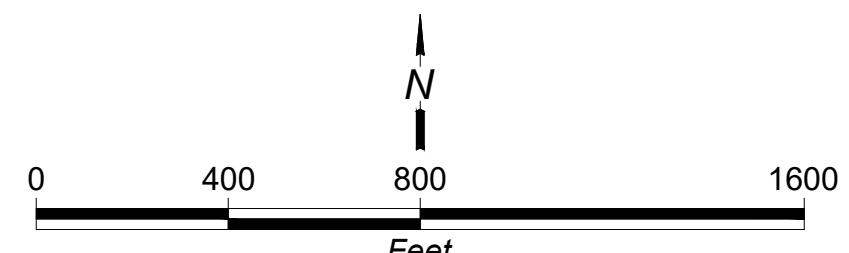
CALPORTLAND

CalPortland
DuPont, Washington

STORMWATER SITE PLAN

SHEET
REFERENCE
NUMBER:
C-2

SHEET 6 OF 11



02/22/2021
STATE OF WASHINGTON
PROFESSIONAL
ENGINEERING
REGISTRATION
EXAMINEE
#38380

