

PIONEER AGGREGATES SOUTH PARCEL PROJECT

TAX ACCOUNT NUMBERS:

SOUTH PARCEL LEASE AREA

01192330111
01192330144
01192330155
01192330166
01192330177
01192620155
01192620166

0119231005
0119232003

0119221007

0119221007	0119224006
0119221008	0119224007
0119221009	0119224008
0119221010	0119224009
0119221011	0119232008
0119221012	0119232009
0119221013	0119232010
0119221014	0119232011
0119221015	0119232012
0119223013	0119233010
0119224004	0119233012

0119143000

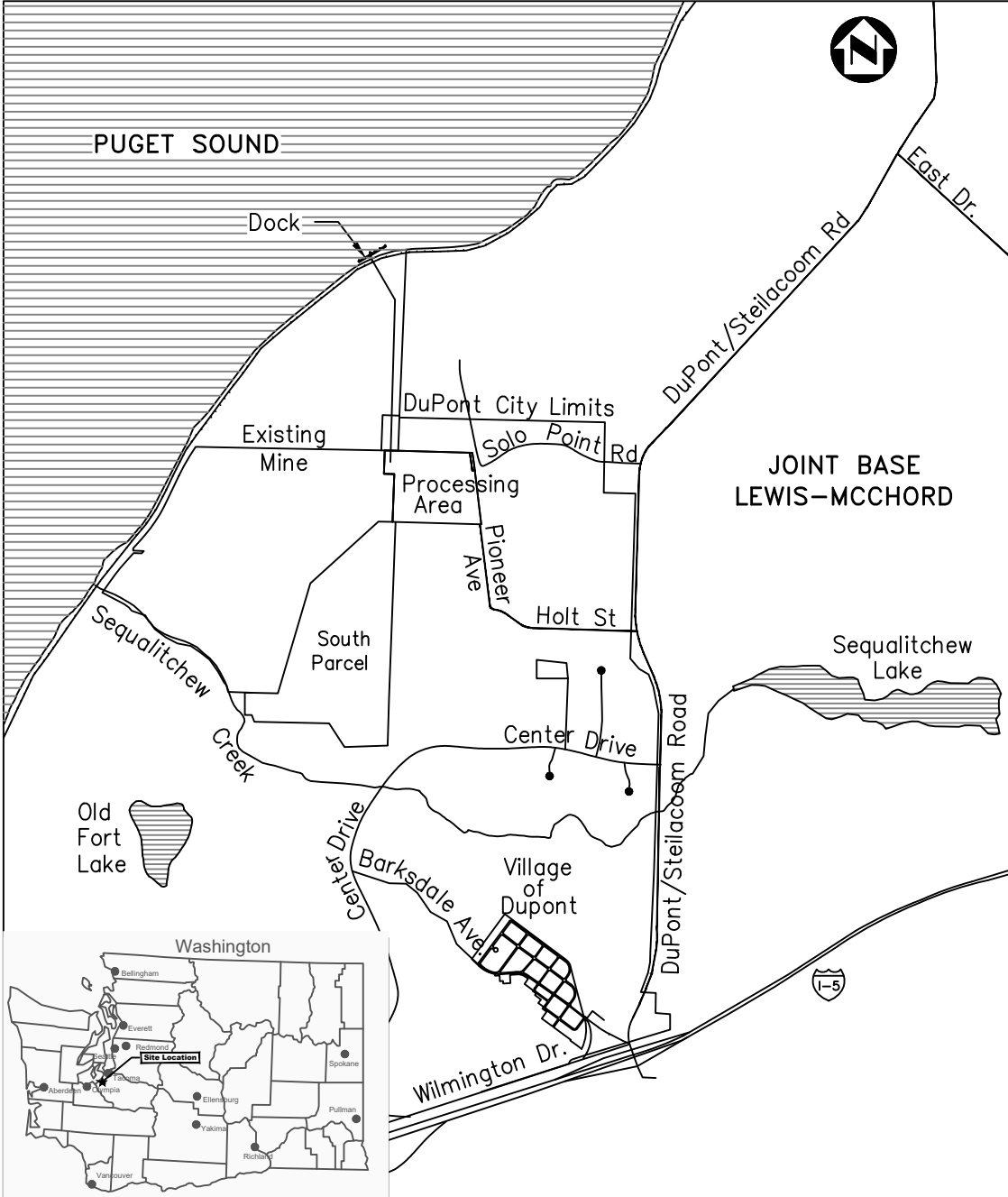
0119143000
0119143001
0119221004
0119232003
0119232006
0119154000

**LEGAL DESCRIPTION OF 2006 ADDITION TO MINERAL
RESOURCE OVERLAY AS MODIFIED IN 2018**

THAT portion of Sections 23 and 26, Township 19 North, Range 1 East, W.M., City of DuPont, Pierce County, Washington, being more particularly described as follows:

BEGINNING at the southwest corner of said Section 23, as shown on that
 exempt segregation as depicted on Record of Survey recorded under Pierce
 County Recording No. 2006091850006;
 THENCE S 38°47'45" E, 500.26 feet;
 THENCE N 16°28'48" E, 2207.74 feet;
 THENCE N 47°49'56" E, 1770.29 feet;
 THENCE S 88°24'40" E, 329.75 feet to the north-south centerline of said Section
 23 as depicted on said exempt segregation;
 THENCE along said north-south centerline, S 02°06'11" W, 3353.98 feet to the
 north quarter corner of said Section 26 as depicted on said exempt segregation;
 THENCE S 01°41'03" W, 949.13 feet to the southeasterly corner of Lot 23 of said
 exempt segregation;
 THENCE along said southerly line, S 87°59'18" W, 1492.66 feet to the southerly
 corner common to said Lot 23 and Lot 22 of said segregation;
 THENCE along the southerly line of said Lot 22, N 65°00'00" W, 897.54 feet;
 THENCE N 25°58'31" W, 35.06 feet to the west line of said Section 26 as
 depicted on said exempt segregation;
 THENCE along said west line, N 01°47'33" E, 297.73 feet to the POINT OF
 BEGINNING.

Containing 172.37 acres, more or less.



LOCATION MAP

NOT TO SCALE

SITE AREAS:

SOUTH PARCEL LEASE:	178 AC
EXISTING MINE LEASE:	360 AC
NORTH PARCEL:	201 AC
PROCESSING AREA:	52 AC

DISTURBED AREA:

EXISTING MINE LIMIT: 497 AC
PROPOSED MINE LIMIT: 620 AC

SITE ADDRESS:

4301 PIONEER AVENUE
DUPONT, WASHINGTON 98327

CONTACTS:

OWNER/APPLICANT: CALPORTLAND COMPANY
PETE STOLTZ
(206) 764-3000

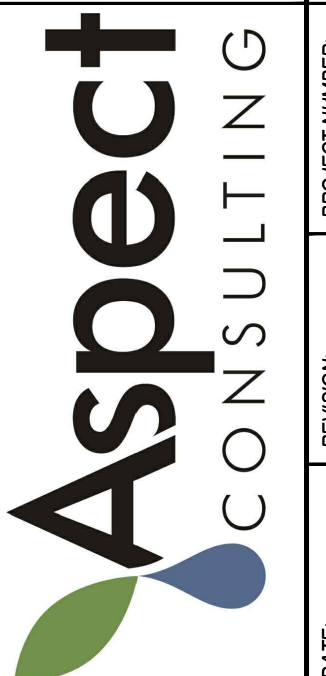
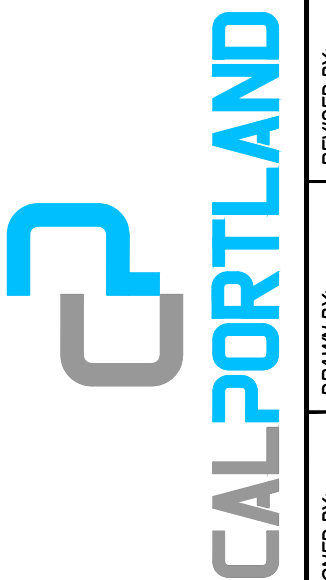
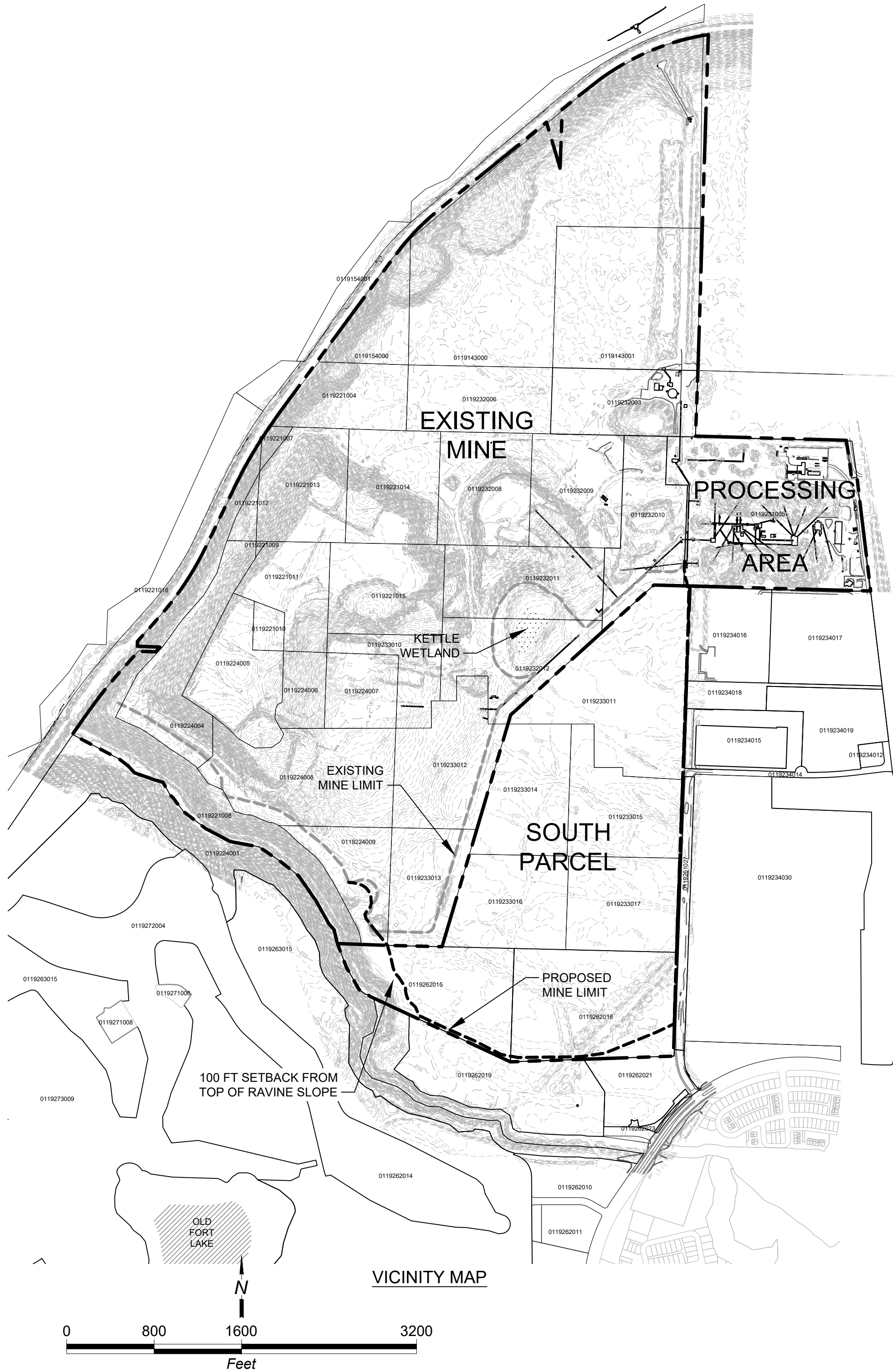
AERIAL MAPPING: AERO-METRIC, INC
(206) 244-2300

GROUND SURVEY: ESM CONSULTING
ENGINEERS, LLC
(253) 838-8113

ENGINEER: ASPECT CONSULTING, LLC
OWEN REESE, P.E.
(206) 838-5844

SHEET INDEX:

G1	COVER SHEET AND VICINITY MAP
G2	EXISTING TOPOGRAPHY - WHOLE MINE SITE, 2007
G3	EXISTING TOPOGRAPHY - EXISTING MINE AREA, 2018
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C2	STORMWATER SITE PLAN
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C4	CROSS SECTIONS
C5	DEWATERING SYSTEM
C6	BERM AND SLOPE DETAILS
C7	EROSION AND SEDIMENT CONTROL PLAN



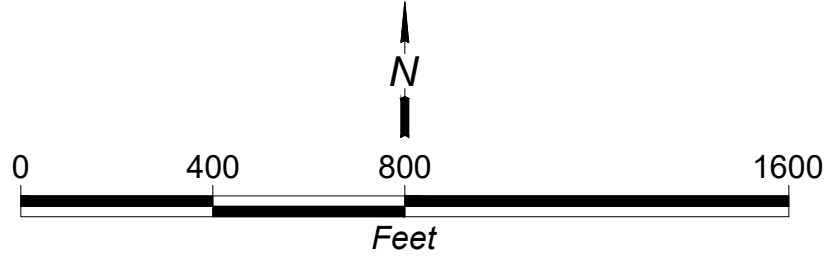
**PIONEER AGGREGATES
SOUTH PARCEL PROJECT
COVER SHEET AND
VICINITY MAP**

CalPortland

**SHEET
REFERENCE
NUMBER:**

G-1

SHEET 1 OF 11



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.



**PIONEER AGGREGATES
SOUTH PARCEL PROJECT
EXISTING TOPOGRAPHY
WHOLE MINE SITE - 2007**
CalPortland
DuPont, Washington

SHEET
REFERENCE
NUMBER:
G-2
SHEET 2 OF 11

DATE: JAN-2021

REVISION: 0

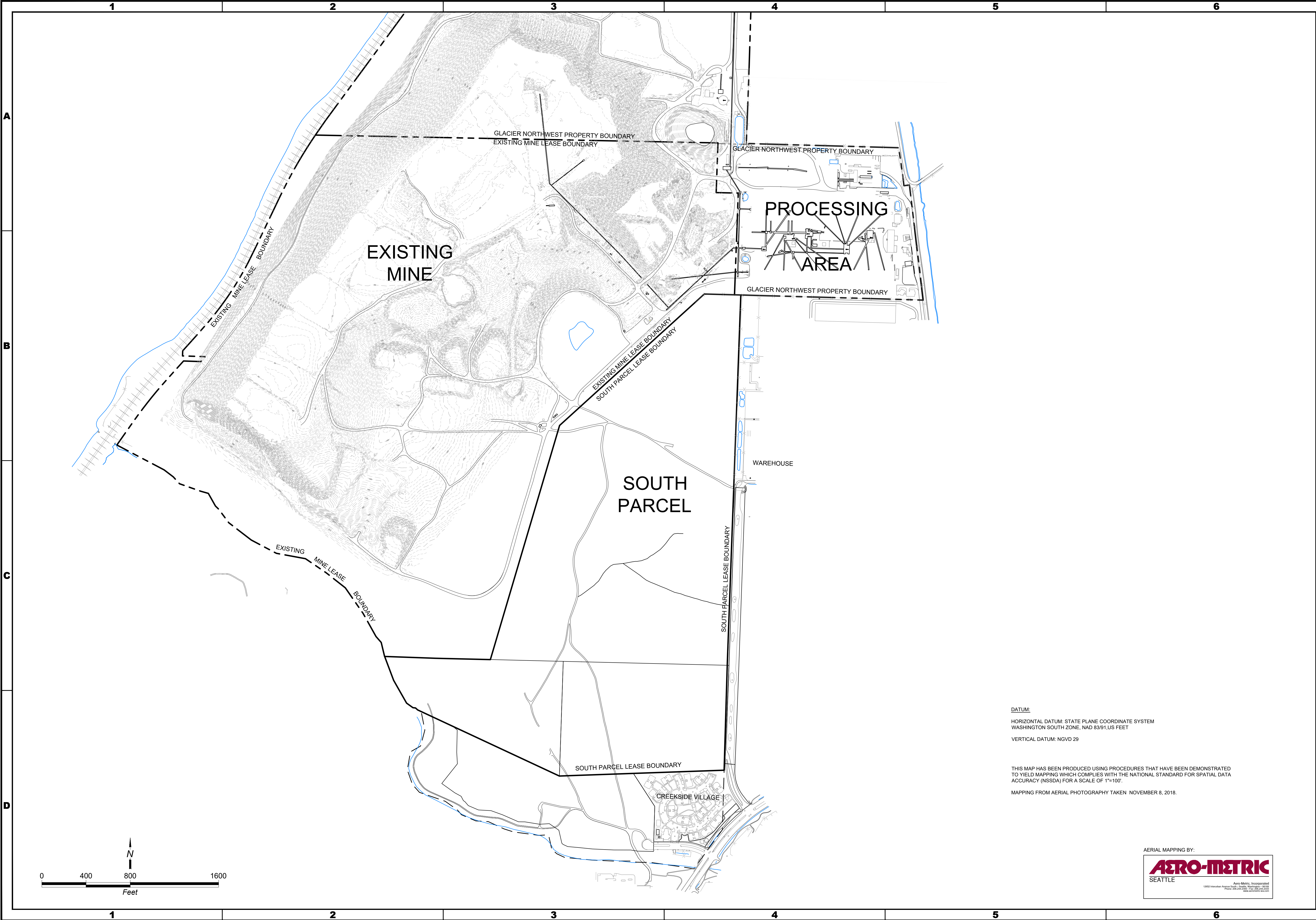
PROJECT NUMBER: 040001

DESIGNED BY: OGR/BMG

DRAWN BY: CMW

REVISED BY:

REV	DESCRIPTION	DATE	APPR



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 NOVEMBER 8, 2018.

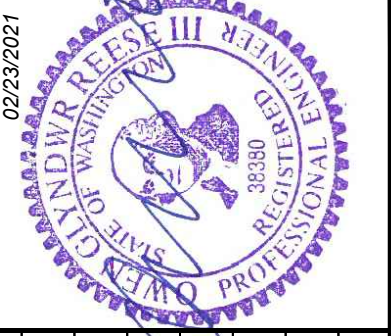
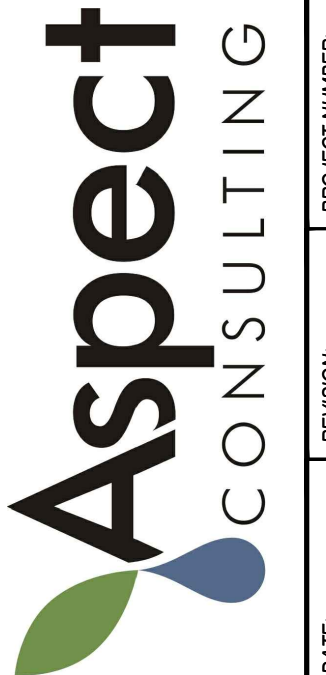
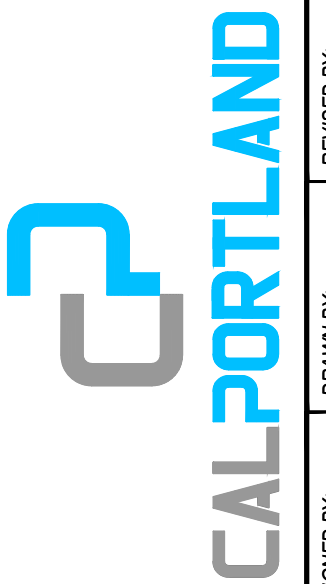


PIONEER AGGREGATES
SOUTH PARCEL PROJECT
EXISTING TOPOGRAPHY
EXISTING MINE AREA - 2018
CalPortland
DuPont, Washington

SHEET
REFERENCE
NUMBER:
G-3
SHEET 3 OF 11

DATE	JAN-2021	REVISION	0	PROJECT NUMBER	040001	DESIGNED BY	OGRI/BMG	DRAWN BY	CMW	REVISED BY	
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REV	DESCRIPTION	DATE	APPR

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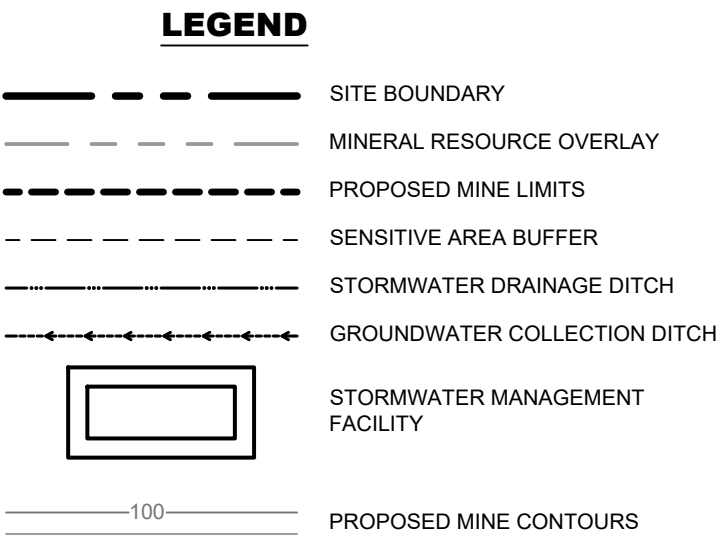
FINAL SITE PLAN

CalPortland
DuPont, Washington

**SHEET
REFERENCE
NUMBER:**

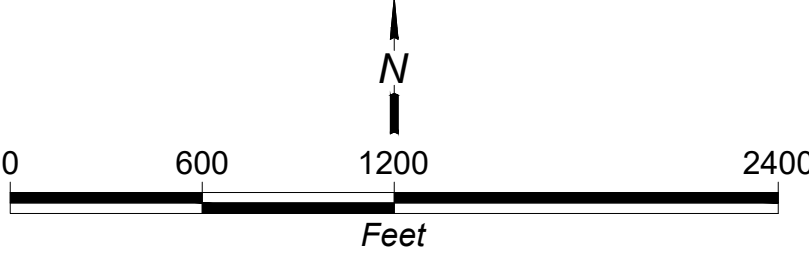
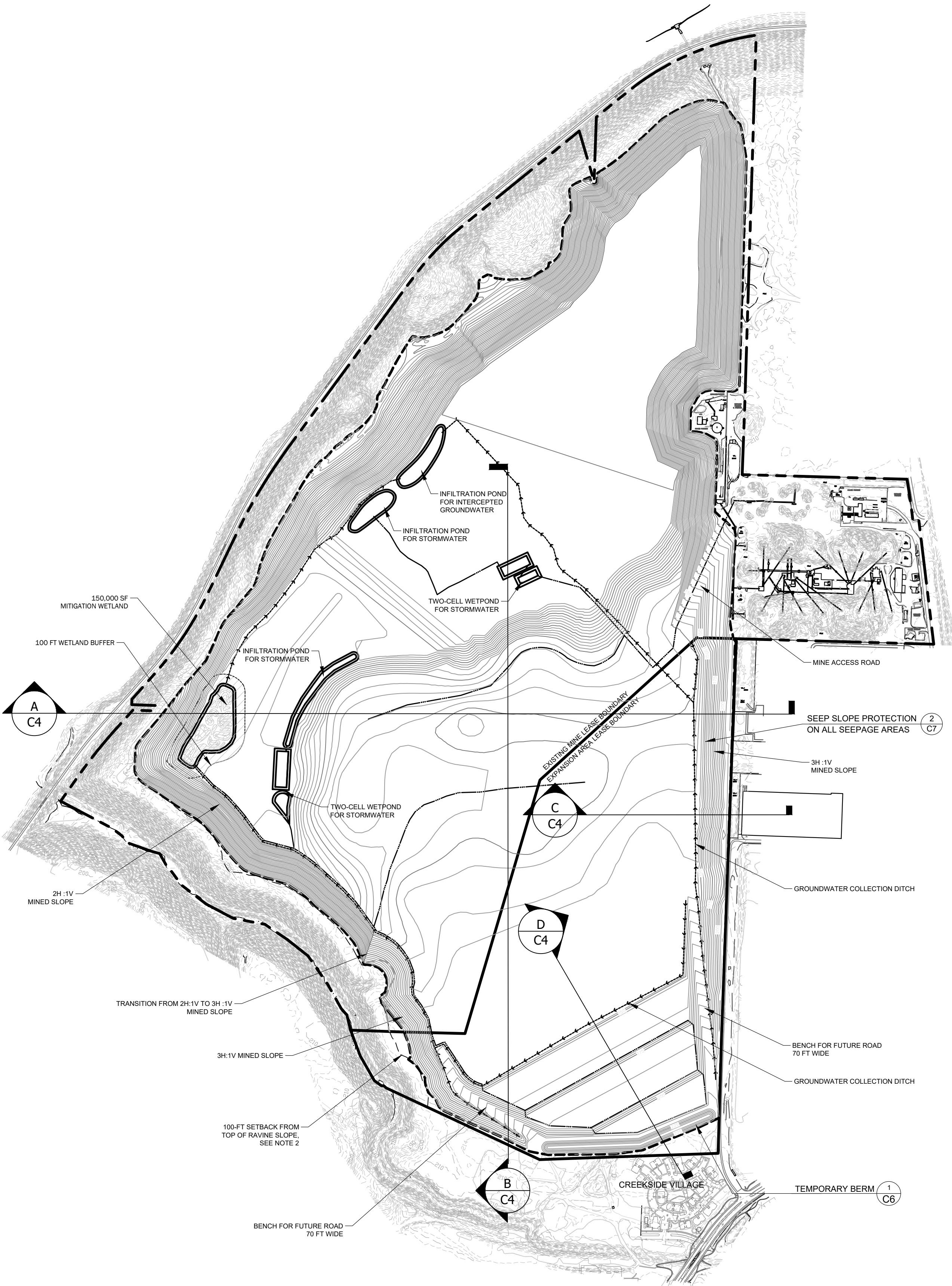
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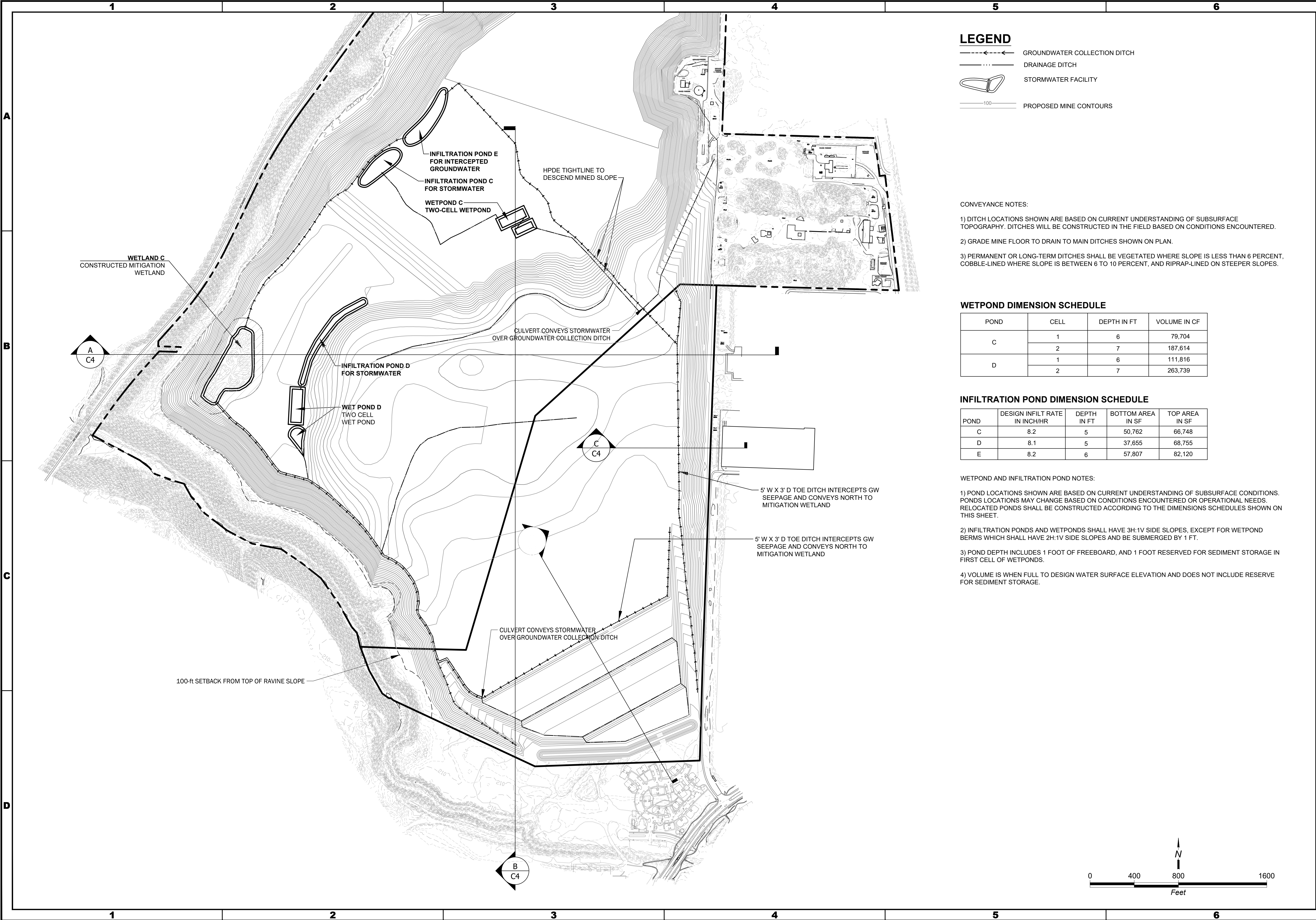
SHEET 5 OF 11



NOTES

1. NO MINING IS PROPOSED WITHIN 189 FEET OF THE LOCATION OF THE MISSION HISTORICAL SITE, AS DESCRIBED IN EXHIBIT C OF THE 2012 SETTLEMENT AGREEMENT.
2. NO MINING IS PROPOSED WITHIN 100 FEET OF THE TOP OF SLOPE OF THE SEQUALITCHEW CREEK RAVINE IN ACCORDANCE WITH THE 2012 SETTLEMENT AGREEMENT AND EXHIBIT J OF THE 1994 SETTLEMENT AGREEMENT.





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.

02/23/2021

DATE

APPR

DESCRIPTION

REV

REVISOR BY

REVISOR BY

DESIGNED BY

DESIGNED BY

DATE

DATE

REVISION

REVISION

PROJECT NUMBER

PROJECT NUMBER

040001

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CalPortland

CalPortland

DuPont, Washington

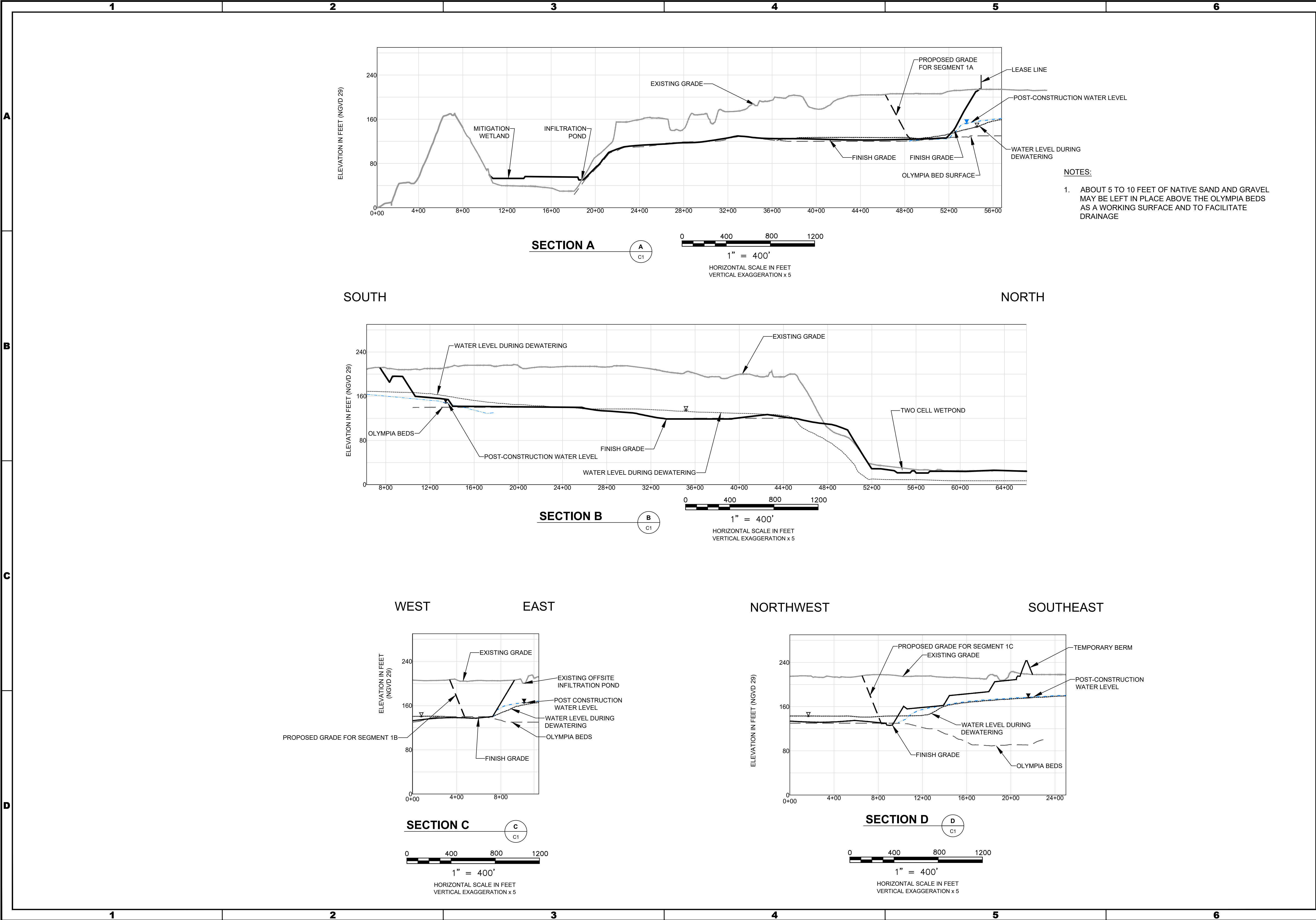
DuPont, Washington

STORMWATER SITE PLAN

SHEET 6 OF 11

SHEET REFERENCE NUMBER:

C-2



02/23/2021

35380

REGISTERED PROFESSIONAL ENGINEER

STATE OF WASHINGTON

DATE

APPR

DESCRIPTION

REV

REVISION

0

DATE

JAN-2021

DESIGNED BY

OCRBMG

DRAWN BY

CMV

REVIEWED BY

PROJECT NUMBER

040001

PIONEER AGGREGATES

SOUTH PARCEL PROJECT

CROSS SECTIONS

CalPortland

DuPont, Washington

SHEET REFERENCE NUMBER:

C-4

SHEET 8 OF 11

CAD Path: Q:\CalPortland\0400001.DuPont Hydrologic Study\2020-09 PlanSet Update\0400001-C01-04-07.dwg C04

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User: cvanslyke

