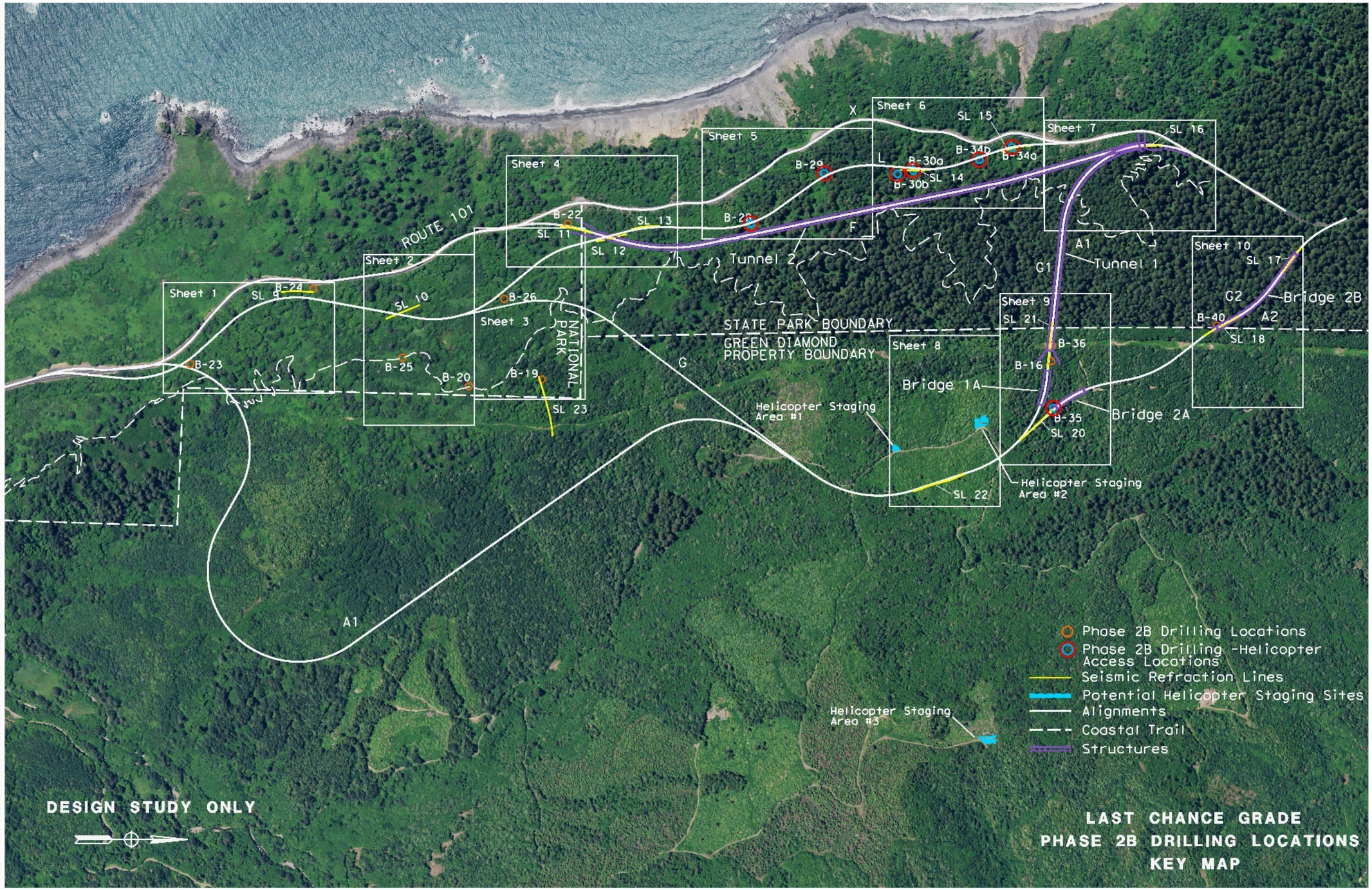
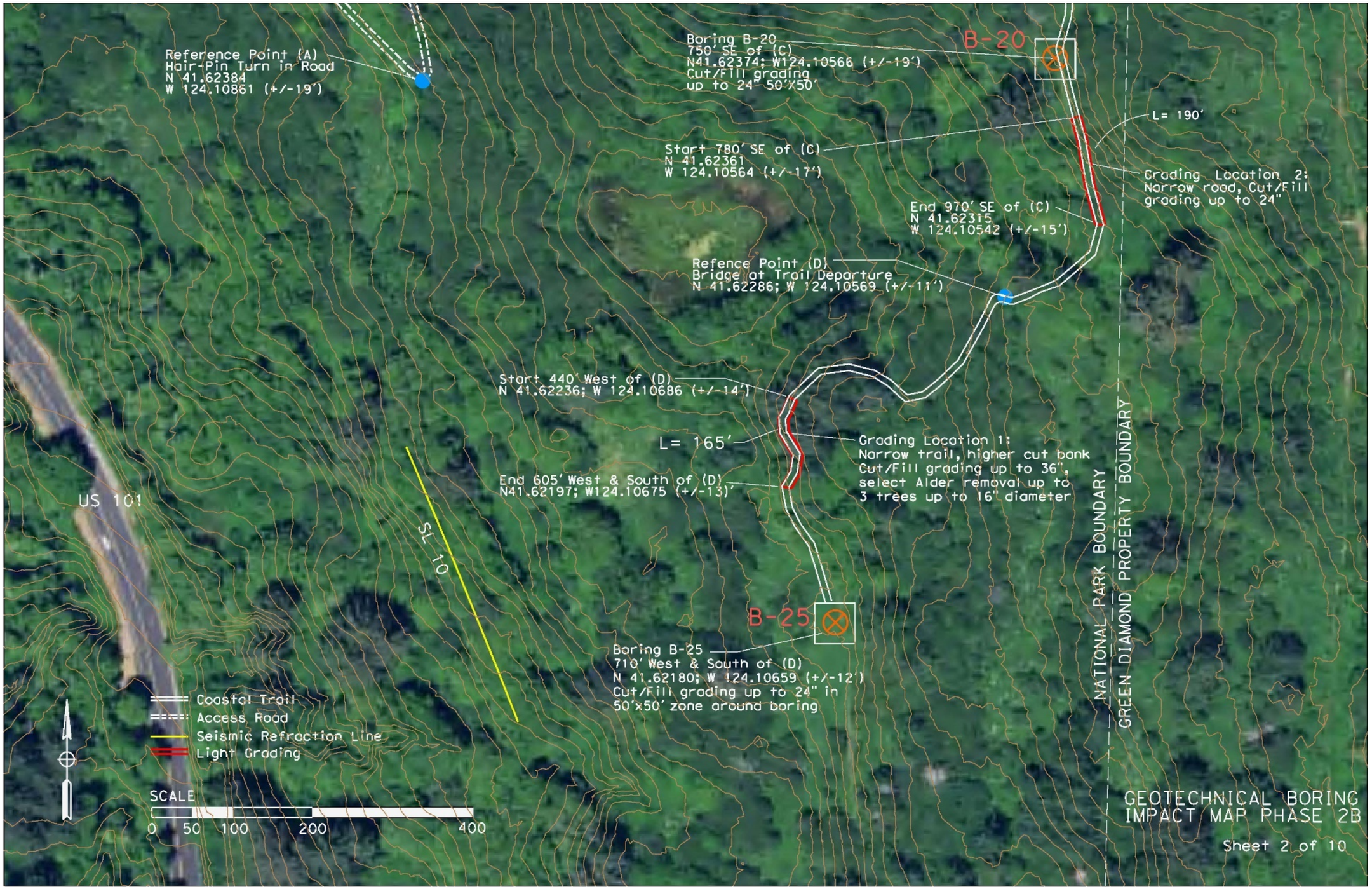
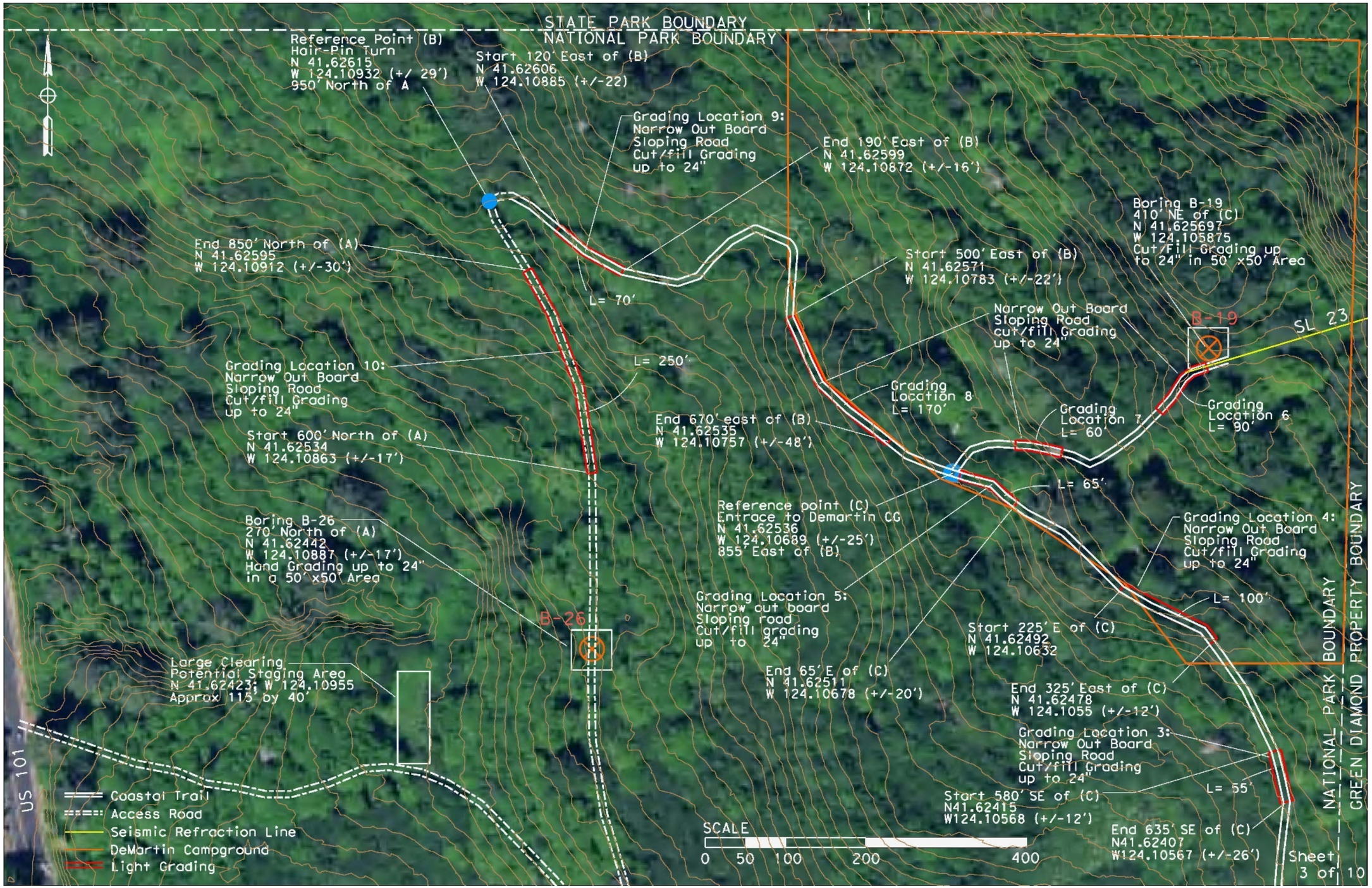
Appendix A. Phase 2B Layouts


Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9
Sheet 10
ROUTE 101
NATIONAL PARK
STATE PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
Tunnel 1
Tunnel 2
Bridge 1A
Bridge 2A
Bridge 2B
Helicopter Staging Area #1
Helicopter Staging Area #2
Helicopter Staging Area #3
B-19
B-20
B-22
B-23
B-24
B-25
B-26
B-29
B-30a
B-30b
B-34a
B-34b
B-35
B-36
B-40
B-16
SL 9
SL 10
SL 11
SL 12
SL 13
SL 14
SL 15
SL 16
SL 17
SL 18
SL 20
SL 21
SL 22
SL 23
X
L
F
G
A1
G1
G2
A2
Phase 2B Drilling Locations
Phase 2B Drilling -Helicopter Access Locations
Seismic Refraction Lines
Potential Helicopter Staging Sites
Alignments
Coastal Trail
Structures
DESIGN STUDY ONLY
LAST CHANCE GRADE
PHASE 2B DRILLING LOCATIONS
KEY MAP

GEOTECHNICAL BORING
IMPACT MAP PHASE 2B
Sheet 1 of 10
Existing Access Road
B-23
Boring B-23
N 41.616098
W 124.106144
Within Existing Access Road
NATIONAL PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
US 101
SL 9
B-24
Boring B-24
N 41.619407
W 124.108979
Within Existing Access Road
Access Road
Seismic Refraction Line
SCALE
0 50 100 200 400


Reference Point (A)
Hair-Pin Turn in Road
N 41.62384
W 124.10861 (+/-19')
Boring B-20
750' SE of (C)
N41.62374; W124.10566 (+/-19')
Cut/Fill grading
up to 24" 50'X50'
B-20
L= 190'
Start 780' SE of (C)
N 41.62361
W 124.10564 (+/-17')
Grading Location 2:
Narrow road, Cut/Fill
grading up to 24"
End 970' SE of (C)
N 41.62315
W 124.10542 (+/-15')
Refence Point (D)
Bridge at Trail Departure
N 41.62286; W 124.10569 (+/-11')
Start 440' West of (D)
N 41.62236; W 124.10686 (+/-14')
L= 165'
Grading Location 1:
Narrow trail, higher cut bank
Cut/Fill grading up to 36",
select Alder removal up to
3 trees up to 16" diameter
End 605' West & South of (D)
N41.62197; W124.10675 (+/-13')
US 101
SL 10
NATIONAL PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
B-25
Boring B-25
710' West & South of (D)
N 41.62180; W 124.10659 (+/-12')
Cut/Fill grading up to 24" in
50'x50' zone around boring
Coastal Trail
Access Road
Seismic Refraction Line
Light Grading
SCALE
0 50 100 200 400
GEOTECHNICAL BORING
IMPACT MAP PHASE 2B
Sheet 2 of 10


STATE PARK BOUNDARY
NATIONAL PARK BOUNDARY
Reference Point (B)
Hair-Pin Turn
N 41.62615
W 124.10932 (+/ 29')
950' North of A
Start 120' East of (B)
N 41.62606
W 124.10885 (+/-22)
Grading Location 9:
Narrow Out Board
Sloping Road
Cut/fill Grading
up to 24"
End 190' East of (B)
N 41.62599
W 124.10872 (+/-16')
Boring B-19
410' NE of (C)
N 41.625697
W 124.105875
Cut/Fill Grading up
to 24" in 50' x50' Area
End 850' North of (A)
N 41.62595
W 124.10912 (+/-30')
Start 500' East of (B)
N 41.62571
W 124.10783 (+/-22')
L= 70'
Narrow Out Board
Sloping Road
cut/fill Grading
up to 24"
B-19
SL 23
Grading Location 10:
Narrow Out Board
Sloping Road
Cut/fill Grading
up to 24"
L= 250'
Grading
Location 8
L= 170'
Grading
Location 7
L= 60'
Grading
Location 6
L= 90'
End 670' east of (B)
N 41.62535
W 124.10757 (+/-48')
Start 600' North of (A)
N 41.62534
W 124.10863 (+/-17')
L= 65'
Reference point (C)
Entrace to Demartin CG
N 41.62536
W 124.10689 (+/-25')
855' East of (B)
Grading Location 4:
Narrow Out Board
Sloping Road
Cut/fill Grading
up to 24"
Boring B-26
270' North of (A)
N 41.62442
W 124.10887 (+/-17')
Hand Grading up to 24"
in a 50' x50' Area
Grading Location 5:
Narrow out board
Sloping road
Cut/fill grading
up to 24"
L= 100'
B-26
Start 225' E of (C)
N 41.62492
W 124.10632
Large Clearing
Potential Staging Area
N 41.62423; W 124.10955
Approx 115' by 40'
End 65' E of (C)
N 41.62511
W 124.10678 (+/-20')
End 325' East of (C)
N 41.62478
W 124.1055 (+/-12')
Grading Location 3:
Narrow Out Board
Sloping Road
Cut/fill Grading
up to 24"
US 101
Coastal Trail
Access Road
Seismic Refraction Line
DeMartin Campground
Light Grading
Start 580' SE of (C)
N41.62415
W124.10568 (+/-12')
L= 55'
SCALE
0 50 100 200 400
End 635' SE of (C)
N41.62407
W124.10567 (+/-26')
NATIONAL PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
Sheet
3 of 10

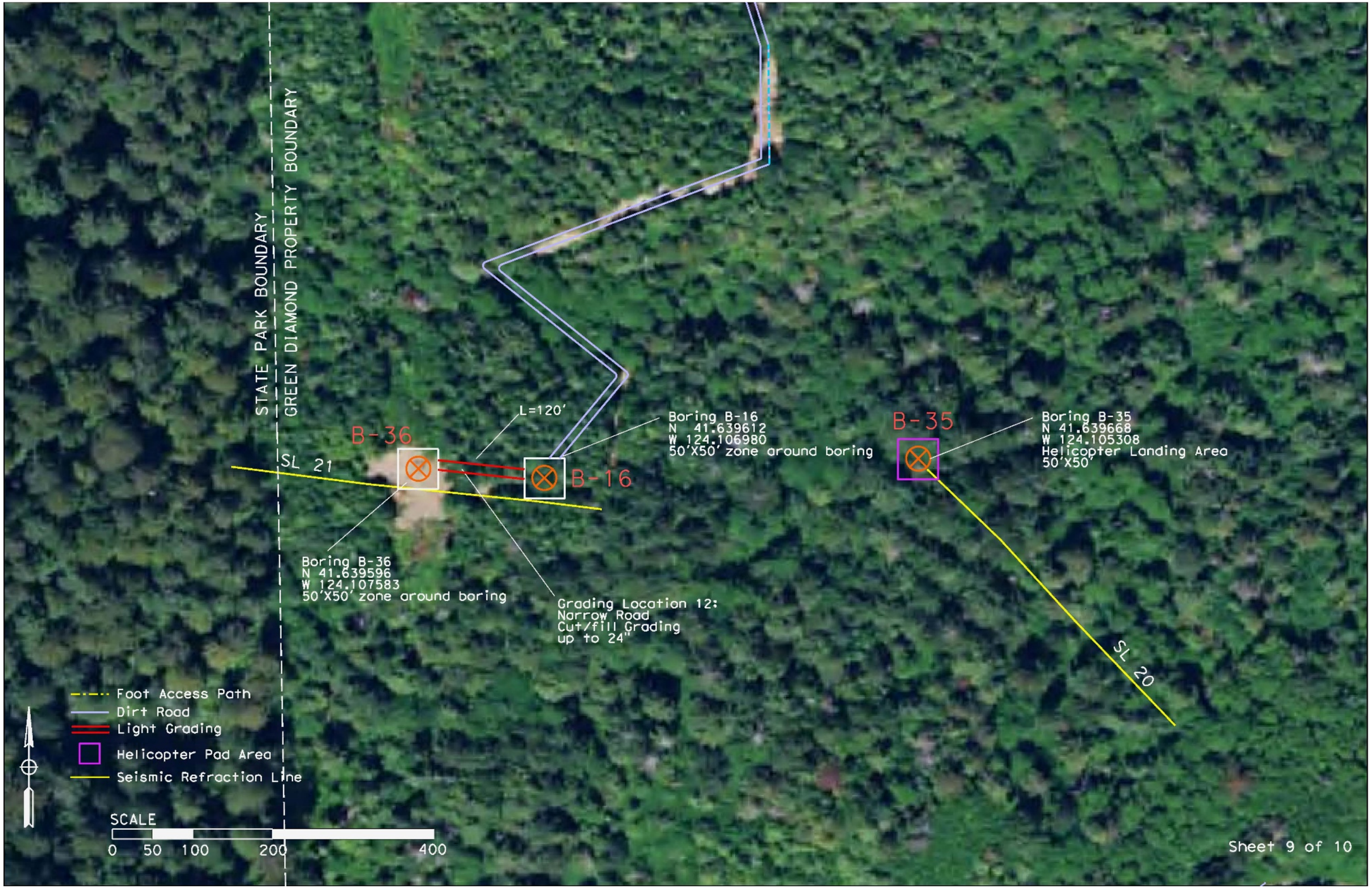
US 101
SL 13
SL 12
SL 11
STATE PARK BOUNDARY
NATIONAL PARK BOUNDARY
B-22
Boring B-22
400' NE of US 101
N 41.626314
W 124.111554
Cut/Fill grading up to 24" in
50'x50' zone around boring
Grading Location 11:
New Access Road
Fill with Moderate Grading
Fill Erosional Scar with RSP
L=400'
Width=12'
Sheet 4 of 10
Access Road
Seismic Refraction Line
Grading
SCALE
0 50 100 200 400

Del Norte Redwoods
State Park
Boring B-29
N 41.63098
W 124.11397
Helicopter Landing Area
50'x50'
L=860'
L=300'
B-29
B-28
Boring B-28
N 41.63120
W 124.11168
Helicopter Landing Area
50'x50'
US 101
Foot Access Path
Helicopter Pad Area
SCALE
0 50 100 200 400
Sheet 5 of 10

Del Norte Redwoods
State Park
Boring B-34a
N 41.638392
W 124.114816
Helicopter Landing Area
50'X50'
B-34a
SL 15
Boring B-34b
Helicopter Landing Area
50'X50'
B-34b
L=990'
from B-30
SL 14
Boring B-30a
N 41.635712
W 124.113887
Helicopter Landing Area
50'X50'
B-30a
B-30b
Boring B-30b
Helicopter Landing Area
50'X50'
L=1100'
from B-29
US 101
Foot Access Path
Helicopter Pad Area
Seismic Refraction Line
SCALE
0 50 100 200 400
Sheet 6 of 10

Sheet 7 of 10
Seismic Refraction Line
SCALE
0 50 100 200 400
SL 16
US 101

Helicopter Staging
Area #2
GREEN DIAMOND
PROPERTY
STATE
SL 22
Helicopter Staging
Area #1
Dirt Road
Seismic Refraction Line
Helicopter Staging Area
SCALE
0 50 100 200 400
Sheet
8 of 10


STATE PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
L=120'
B-36
B-16
B-35
SL 21
SL 20
Boring B-16
N 41.639612
W 124.106980
50'X50' zone around boring
Boring B-35
N 41.639668
W 124.105308
Helicopter Landing Area
50'X50'
Boring B-36
N 41.639596
W 124.107583
50'X50' zone around boring
Grading Location 12:
Narrow Road
Cut/fill Grading
up to 24"
Foot Access Path
Dirt Road
Light Grading
Helicopter Pad Area
Seismic Refraction Line
SCALE
0 50 100 200 400
Sheet 9 of 10

SL 17
STATE PARK BOUNDARY
GREEN DIAMOND PROPERTY BOUNDARY
SL 18
B-40
Grading Location 13:
Narrow Road
Cut/fill Grading
up to 24"
L=100'
Boring B-40
N 41.644084
W 124.108423
50'X50' zone around boring
Dirt Road
Light Grading
Seismic Refraction Line
SCALE
0 50 100 200 400
Sheet 10 of 10