

# SURFACE MINE EXPANSION SITE ACCESS AND VICINITY

SE 1/4 SEC 27 T11N R2W  
W 1/2 SW 1/4 SW 1/4 SEC 26 T 11N R2W

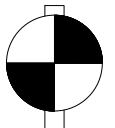
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September 21, 2022  
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**A VICINITY AND ACCESS**  
MR-1 SCALE: 1:500

NEIGHBORING PARCELS	
① WALLACE RALLAND L 275 MANDY RD #A TOLEDO, WA 98591-9444	⑤ GOOD, ALANE AND PAMELA A 265 RUPP RD TOLEDO, WA 98591
② WALLACE RALLAND L 275 MANDY RD #A TOLEDO, WA 98591-9444	⑥ FENN, DAVID ET AL 1191 WILDWOOD RD CURTIS, WA 98538-9704
③ DJJ PROPERTIES LLC 123 FOSTER CREEK RD TOLEDO, WA 98591-9406	⑦ ENBODY, CARLA JEAN 618 STATE ROUTE 506 TOLEDO, WA 98591-9734
④ WALLACE, DALE PO BOX 424 TOLEDO, WA 98591-0424	⑧ CROSSFIELD, SCOTT 241 FOSTER CREEK RD TOLEDO, WA 98591

<b>LOCATION</b>
LEWIS COUNTY PARCELS 0125240000000 AND 012487002002 PART SE 1/4, SEC 27 AND PART W 1/2, SW 1/4, SECT 28 (11N- 2W)
<b>ZONING INFORMATION</b>
OVERLAYING ZONE: COUNTY ARL- AGRICULTURAL RESOURCE ZONE
<b>DRIVING DIRECTIONS</b>
FROM I-5: TAKE EXIT 57 TO ROGERS ROAD FOR 1.2 MILES. RIGHT ON MANDY ROAD FOR 1.2 MILES PIT ACCESS IS ON RIGHT.
<b>SURVEY INFORMATION</b>
MAIN TOPOGRAPHIC DATA IS BASED ON SURVEY BY  CHEHALIS VALLEY ASSOCIATES. 209 S 3RD STREET ELMA, WA 98541 360.482.8750  OFF SITE DATA PROVIDED BY:  WASHINGTON STATE LIDAR CONSORTIUM  AND  LEWIS COUNTY G.I.S. DATA

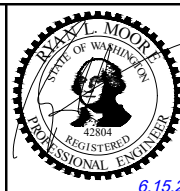
<b>CONTROL INFORMATION</b>
 VERTICAL DATUM V: NAVD 88 H: NAD 83 WASHINGTON STATE PLANE COORDINATES SOUTH ZONE

<b>PERMIT INFORMATION</b>
DNR PERMIT # 70-012730  LEWIS COUNTY FLOODPLAIN PERMIT: FD21-00010 LEWIS COUNTY MASTER SITE REVIEW: MSR20-0804 LEWIS COUNTY SHORELINE DEVELOPMENT PERMIT: 427 DEPARTMENT OF ECOLOGY SHORELINE (SSDP PERMIT): 1992-13888

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EAGLE CLIFF MINE EXPANSION 451 MANDY ROAD TOLEDO, WA	MR-1 VICINITY AND ACCESS
EAGLE CLIFF NORTHWEST, LLC 1902 S R 4 CATHLAMET, WA	
SHT 1 OF 5	



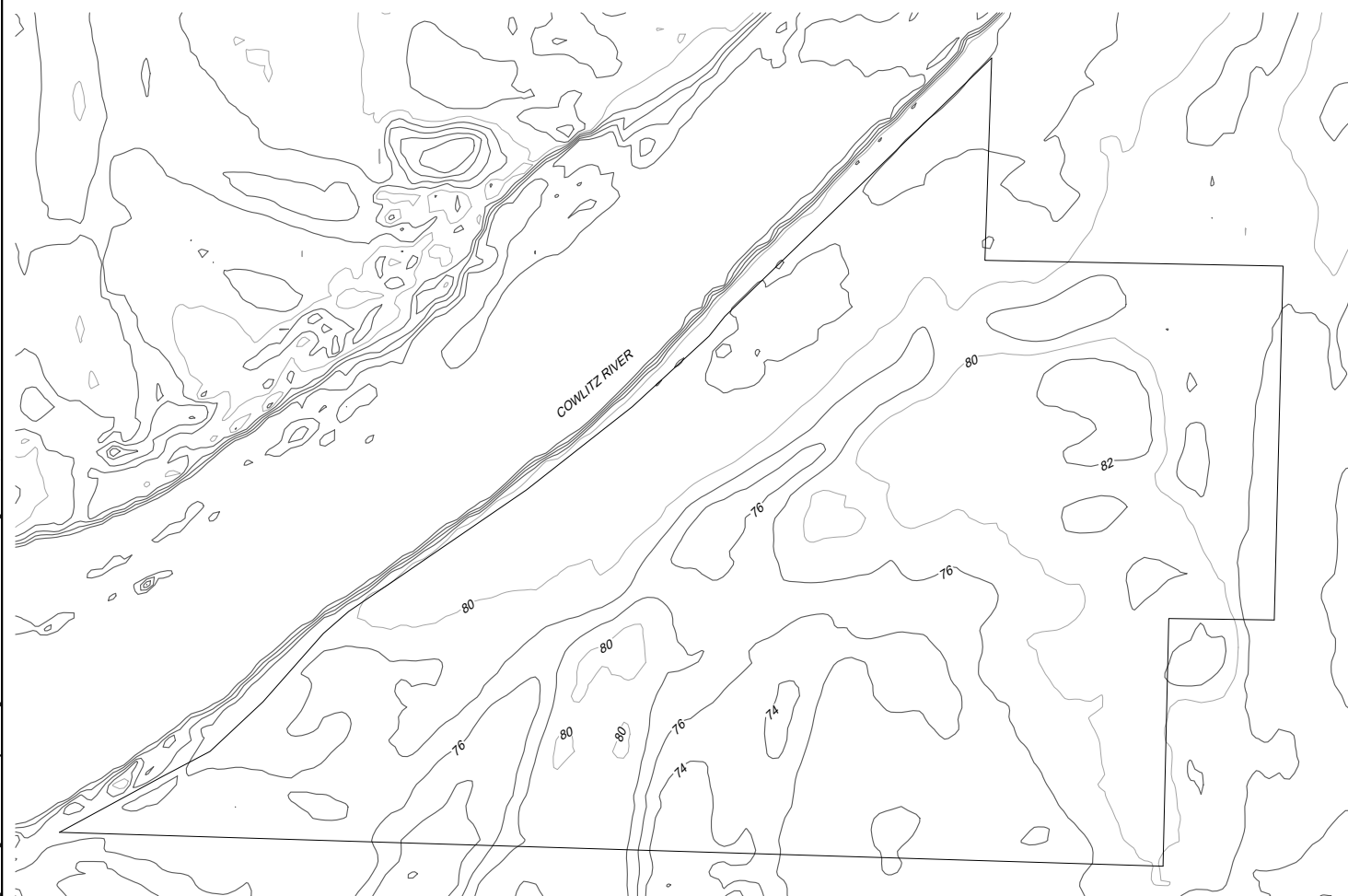
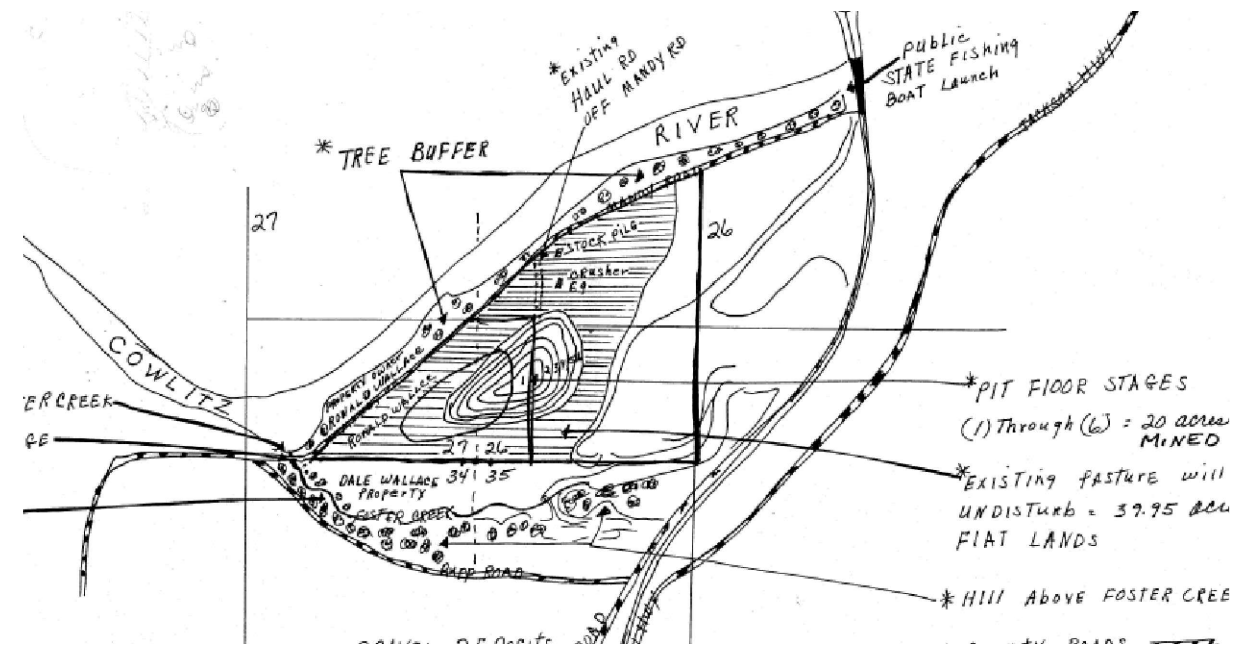
# SURFACE MINE EXPANSION EXISTING SITE PLANS

SE 1/4 SEC 27 T11N R2W  
W 1/2 SW 1/4 SW 1/4 SEC 26 T 11N R2W

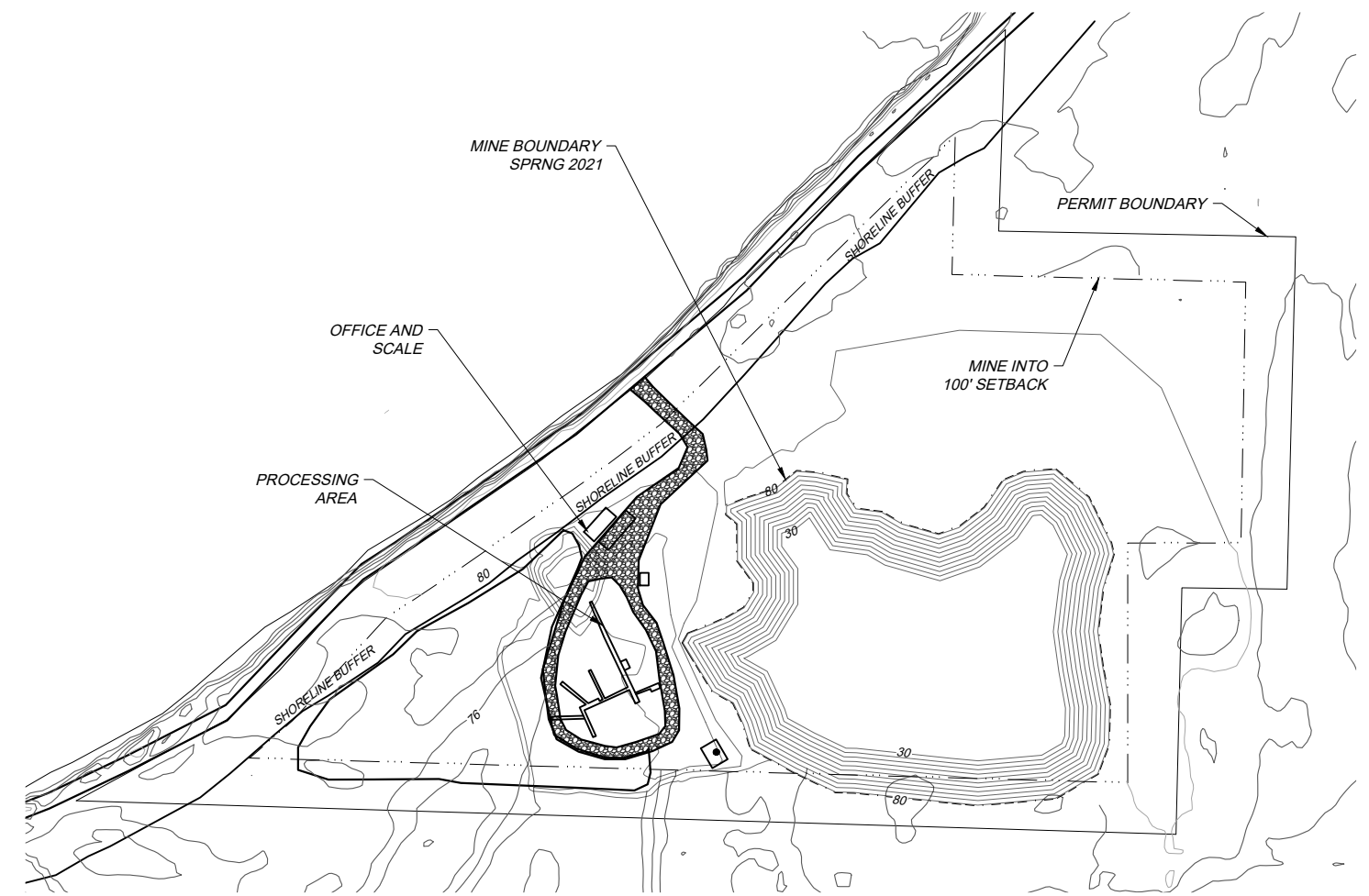
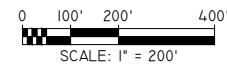
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ORIGINAL PERMIT EXHIBIT  
SCALE: N.T.S.

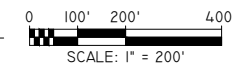
LEGEND	
<b>LINES</b>	
---	PERMIT BOUNDARY
---	100' SETBACK
---	FIRE APPARATUS TURNAROUND
---	CONTOUR
---	MINING SECTIONS
<b>HATCH</b>	
[Hatched Box]	GRAVEL (PROPOSED)



**A PRE-MINE TOPO**  
MR-2 SCALE: 1:200



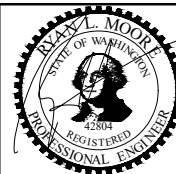
**B EXISTING MINE**  
MR-2 SCALE: 1:200



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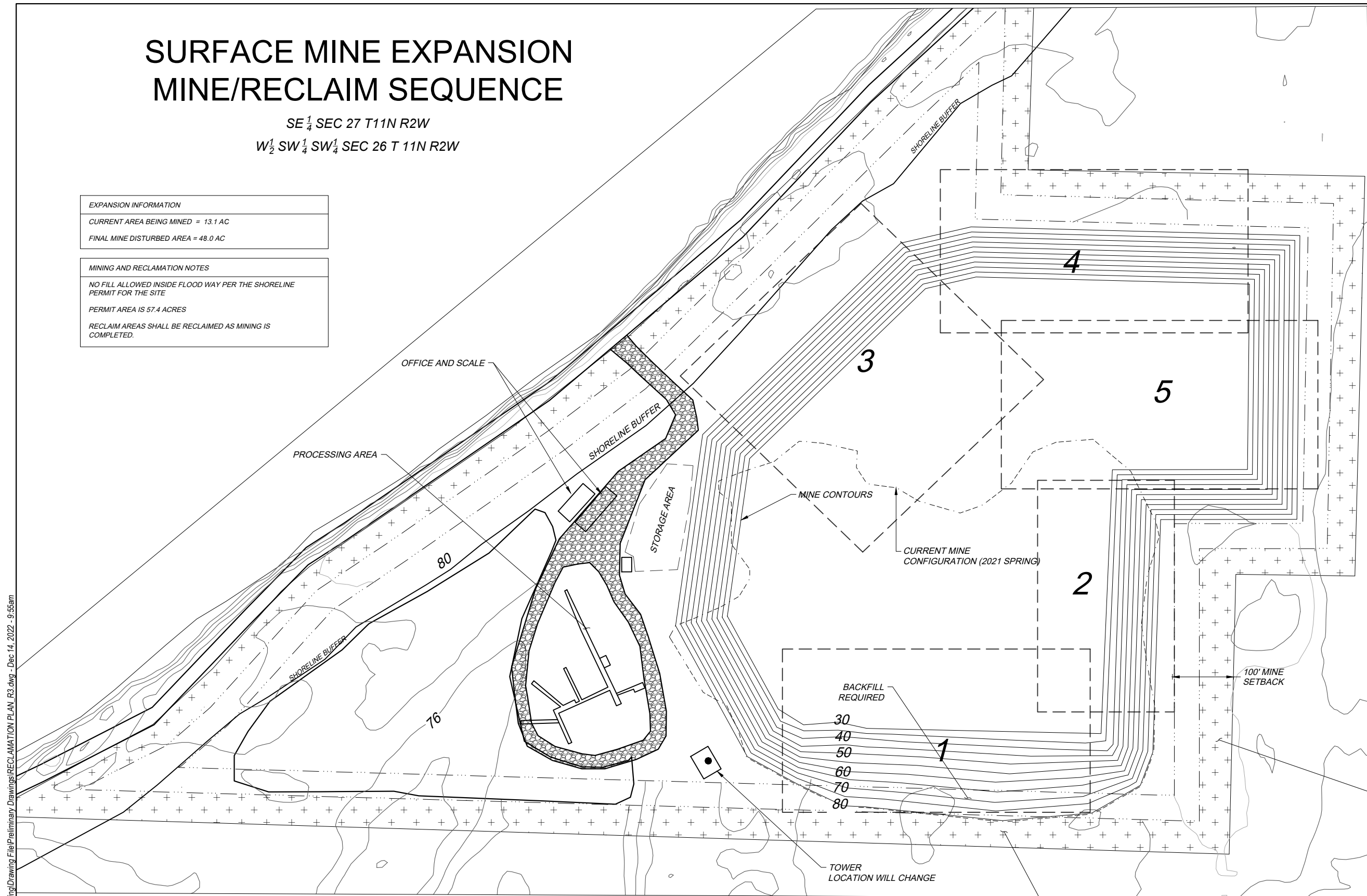
EAGLE CLIFF MINE EXPANSION  
451 MANDY ROAD  
TOLEDO, WA  
EAGLE CLIFF NORTHWEST, LLC  
1902 S R 4  
CATHLAMET, WA

MR2  
EXISTING MINE  
SHT 2 OF 5

# SURFACE MINE EXPANSION MINE/RECLAIM SEQUENCE

SE 1/4 SEC 27 T11N R2W  
W 1/2 SW 1/4 SW 1/4 SEC 26 T 11N R2W

<b>EXPANSION INFORMATION</b>	
CURRENT AREA BEING MINED =	13.1 AC
FINAL MINE DISTURBED AREA =	48.0 AC
<b>MINING AND RECLAMATION NOTES</b>	
NO FILL ALLOWED INSIDE FLOOD WAY PER THE SHORELINE PERMIT FOR THE SITE	
PERMIT AREA IS 57.4 ACRES	
RECLAIM AREAS SHALL BE RECLAIMED AS MINING IS COMPLETED.	



- 1** **NO FURTHER MINING**  
MATERIAL REPLACEMENT AREA TO MEET 100' BUFFER REQUIREMENTS. PLANT PER PLANTING REQUIREMENTS. PLACEMENT TO BE SINUS IN NATURE MIMICKING NATURAL POND EDGES.
- 2** **NO FURTHER MINING**  
REPLACE MATERIAL IN POND. REPLACEMENT MATERIAL TO BE SINUS IN NATURE MIMICKING NATURAL POND EDGES.
- 3** **MINING EXPANSION**  
MINE TO MAXIMUM DEPTH. 30' ELEVATION  
REPLACE MATERIAL IN POND. REPLACEMENT MATERIAL TO BE SINUS IN NATURE MIMICKING NATURAL POND EDGES. SEE NARRATIVE FOR DETAILS.
- 4** **MINING EXPANSION**  
MINE TO MAXIMUM DEPTH. 30' ELEVATION  
REPLACE MATERIAL IN POND. REPLACEMENT MATERIAL TO BE SINUS IN NATURE MIMICKING NATURAL POND EDGES. SEE NARRATIVE FOR DETAILS.
- 5** **MINING EXPANSION**  
MINE TO MAXIMUM DEPTH. 30' ELEVATION  
REPLACE MATERIAL IN POND. REPLACEMENT MATERIAL TO BE SINUS IN NATURE MIMICKING NATURAL POND EDGES. SEE NARRATIVE FOR DETAILS.

LEGEND	
<b>LINES</b>	
---	PERMIT BOUNDARY
---	100' SETBACK
---	FIRE APPARATUS TURNAROUND
---	CONTOUR
---	MINING SECTIONS
<b>HATCH</b>	
[Hatched Box]	GRAVEL (PROPOSED)

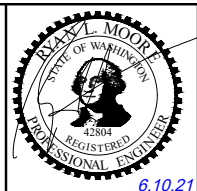
**A MINE PROCESS**  
MR-2 SCALE: 1:100

0 50' 100' 200'  
SCALE: 1" = 100'

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EAGLE CLIFF MINE EXPANSION  
451 MANDY ROAD  
TOLEDO, WA

EAGLE CLIFF NORTHWEST, LLC  
1902 S R 4  
CATHLAMET, WA

MR3  
MINING PLAN  
SHT 3 OF 5

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# FINAL RECLAMATION PLAN

SE 1/4 SEC 27 T11N R2W  
 W 1/2 SW 1/4 SW 1/4 SEC 26 T 11N R2W

**LEGEND**

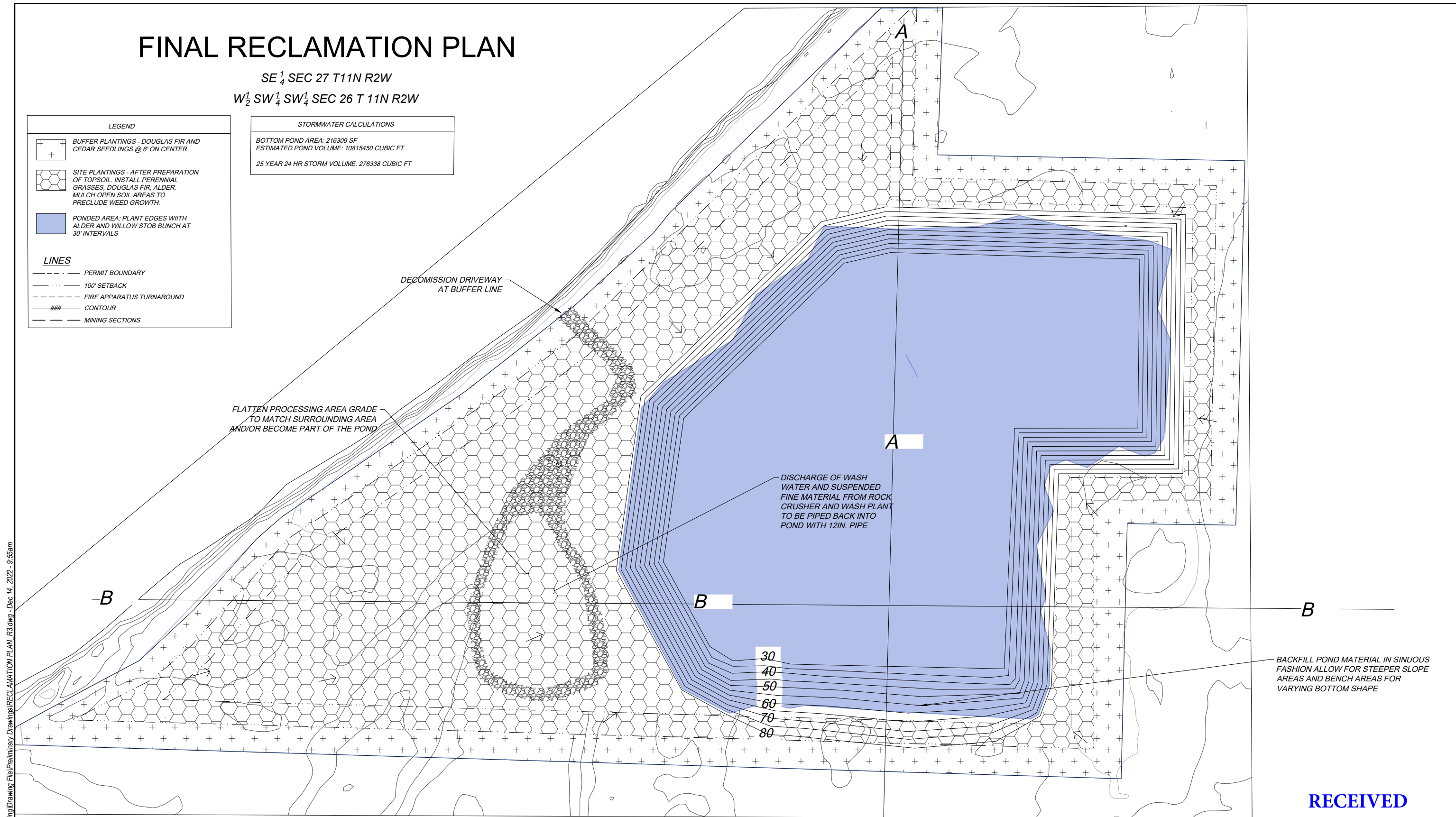
- BUFFER PLANTINGS - DOUGLAS FIR AND CEDAR SEEDLINGS @ 6' ON CENTER
- SITE PLANTINGS - AFTER PREPARATION OF TOPSOIL, INSTALL PERENNIAL GRASSES, DOUGLAS FIR, ALDER. MULCH OPEN SOIL AREAS TO PRECLUDE WEED GROWTH.
- PONDED AREA- PLANT EDGES WITH ALDER AND WILLOW STOB BUNCH AT 30' INTERVALS

**LINES**

- PERMIT BOUNDARY
- 100' SETBACK
- FIRE APPARATUS TURNAROUND
- CONTOUR
- MINING SECTIONS

**STORMWATER CALCULATIONS**

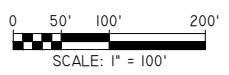
BOTTOM POND AREA: 216309 SF  
 ESTIMATED POND VOLUME: 10815450 CUBIC FT  
 25 YEAR 24 HR STORM VOLUME: 276338 CUBIC FT



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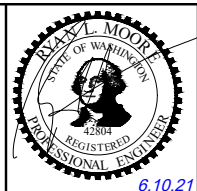
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**FINAL RECLAIM**  
 MR-2 SCALE: 1" = 100'



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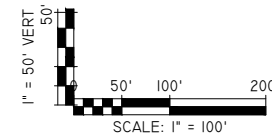
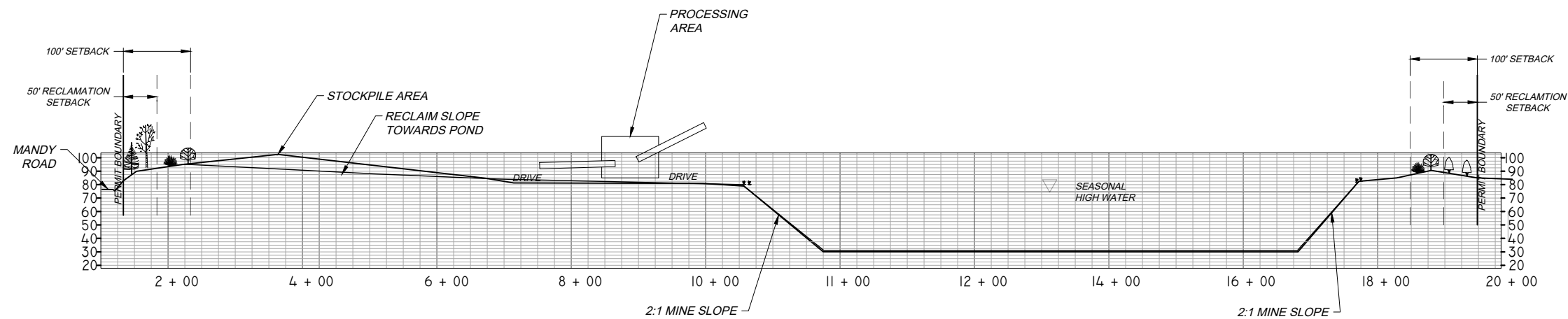
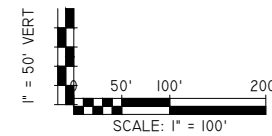
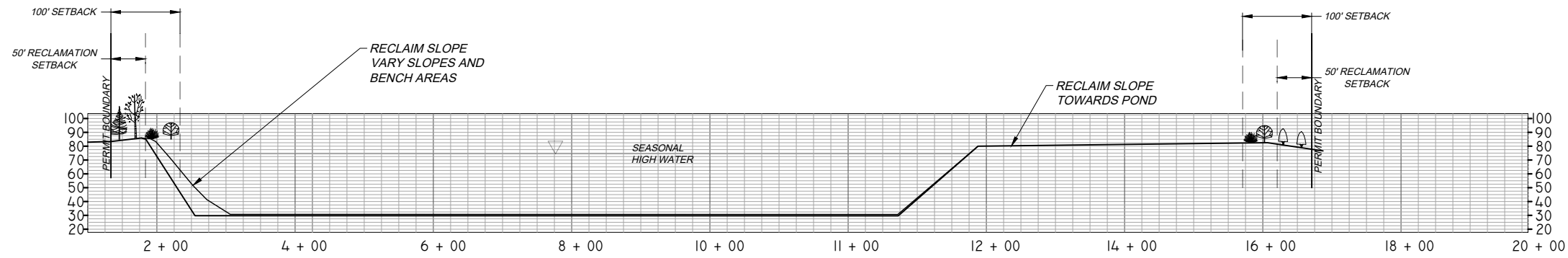
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EAGLE CLIFF MINE EXPANSION RECLAMATION  
 451 MANDY ROAD  
 TOLEDO, WA  
 EAGLE CLIFF NORTHWEST, LLC  
 1902 S R 4  
 CATHLAMET, WA

FR1  
 FINAL RECLAIM  
 SHT 4 OF 5

# RECLAMATION SECTIONS

SE 1/4 SEC 27 T11N R2W  
 W 1/2 SW 1/4 SW 1/4 SEC 26 T 11N R2W

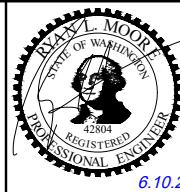


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EAGLE CLIFF MINE EXPANSION SECTION  
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FR2  
 FINAL RECLAIM  
 SHT 5 OF 5