

# RAGING RIVER QUARRY

## GRADING PERMIT #GRDE15-0004

### KING COUNTY, WASHINGTON

#### GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), KING COUNTY ROAD STANDARDS (KORS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF THE PERMIT APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.
- THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF DEVELOPMENT AND ENVIRONMENTAL SERVICES (DES) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DES PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR TO CONSTRUCTION.
- APPROVAL OF THIS EXTENSION OF GRADING AND DRAINAGE PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS ELECTRICAL, ETC.)
- BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING WAS HELD BETWEEN KING COUNTY, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- HOURS OF OPERATION SHALL BE LIMITED TO 7A.M. TO 7P.M. MONDAY THROUGH FRIDAY, EXCEPT THAT LOADING OF TRUCKS SHALL BE LIMITED TO 7:30A.M. TO 4:30P.M. SATURDAY HOURS ARE LIMITED TO 7:30A.M. TO 4:30P.M. FOR MAINTENANCE ONLY.
- IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING ANY OFF-SITE WORK. EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNLESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF KORS CHAPTER 8 ARE SUBMITTED TO THE DES'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
- DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. MANUAL OR UNION TRAFFIC CONTROL DEVICES (MUTC) SHALL APPLY. WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY KING COUNTY.

#### EROSION AND SEDIMENT CONTROL NOTES

- APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED OR STAKED DURING CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- STABILIZED CONSTRUCTION ENTRANCES (PAVED ROADWAY) SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.)
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN TWENTY-FOUR (24) HOURS FOLLOWING A STORM EVENT.
- COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
- PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE RECLAMATION AND/OR WINTER RAINS. AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DES FOR REVIEW.

#### CONSTRUCTION SEQUENCE

- PRE-CONSTRUCTION MEETING HAS ALREADY OCCURRED.
- POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR.
- FLAG OR STAKE CLEARING LIMITS.
- SWEEP AND MAINTAIN CONSTRUCTION ENTRANCE.
- MAINTAIN INFILTRATION PONDS AND ESC PROTECTION.
- CLEAN AND RESTORE EXISTING ESC MEASURES (SEDIMENT PONDS, DITCHES, ETC.)
- GRADE AND STABILIZE CONSTRUCTION ROADS.
- CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
- UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED, IF APPLICABLE.

#### LEGAL DESCRIPTION OF PROPERTY INCLUDED IN CURRENT APPROVED GRADING PERMIT

THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, W.M.; EXCEPT THAT PORTION CONVEYED TO KING COUNTY FOR HIGHWAY PURPOSES BY DEED RECORDED UNDER AUDITOR'S FILE NO. 2830807, RECORDS OF SAID COUNTY.

ALSO THAT PORTION OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, W.M., LYING WEST OF RAGING RIVER; EXCEPT RIGHT OF WAY, AND ALSO EXCEPT PORTION SOUTH OF THE FOLLOWING LINE:

BEGINNING 331.05 FEET SOUTH OF THE NORTHWEST CORNER OF SAID SOUTH HALF OF THE SOUTHWEST QUARTER; THENCE NORTH 77°06' EAST 1,334.70 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER; 75 FEET SOUTH OF THE NORTHEAST CORNER THEREOF; THENCE EAST 150 FEET, MORE OR LESS, TO CENTER OF RAGING RIVER. LESS COUNTY ROAD.

#### LEGAL DESCRIPTION OF ENTIRE PROPERTY

PARCEL A:  
LOT 4 OF KING COUNTY SHORT PLAT NUMBER 880098, RECORDED UNDER RECORDING NUMBER 8202050393, IN KING COUNTY, WASHINGTON.

PARCEL B:  
THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, WILLAMETTE MERIDIAN, IN KING COUNTY, WASHINGTON; EXCEPT THAT PORTION CONVEYED TO KING COUNTY FOR HIGHWAY PURPOSES BY DEED RECORDED UNDER RECORDING NUMBER 2830807;

ALSO THAT PORTION OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, WILLAMETTE MERIDIAN, IN KING COUNTY, WASHINGTON, LYING WEST OF RAGING RIVER; EXCEPT RIGHT OF WAY FOR A. R. CARMICHAEL ROAD; EXCEPT PORTION SOUTH OF THE FOLLOWING LINE:

BEGINNING 331.05 FEET SOUTH OF THE NORTHWEST CORNER OF SAID SOUTH HALF OF THE SOUTHWEST QUARTER; THENCE NORTH 77°06' EAST 1,334.70 FEET TO THE EAST LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER; 75 FEET SOUTH OF THE NORTHEAST CORNER THEREOF; THENCE EAST 150 FEET, MORE OR LESS, TO CENTER OF RAGING RIVER; EXCEPT COUNTY ROAD.

ALSO THAT PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, WILLAMETTE MERIDIAN, IN KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 24 NORTH, RANGE 7 EAST, WILLAMETTE MERIDIAN, IN KING COUNTY, WASHINGTON, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE ALONG THE EAST LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER SOUTH 00°53'02" WEST 660.99; THENCE ALONG THE SOUTH LINE OF SAID SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER SOUTH 89°46'17" WEST 594.53 FEET; THENCE NORTH 42°22'27" EAST APPROXIMATELY 897.83 FEET TO THE TRUE POINT OF BEGINNING (BEING A PORTION OF LOT B OF LOT LINE ADJUSTMENT NUMBER 582025).

#### DATUM

MEAN SEA LEVEL, AS UTILIZED IN THE U.S. DEPT. OF INTERIOR GEOLOGICAL SURVEY - FALL CITY QUADRANGLE MAP

#### BASIS OF BEARINGS

N00°48'50"E BETWEEN THE MONUMENTS FOUND IN PLACE AT THE WEST QUARTER CORNER AND THE SOUTHWEST CORNER OF SEC. 22, TWP. 24 N., RGE. 7 E., W.M. PER REFERENCE 1.

#### BENCHMARK

SPOT ELEVATION AT THE INTERSECTION OF THE PRESTON-FALL CITY ROAD AND CARMICHAEL ROAD. ELEVATION= 198.697

#### TAX PARCEL NUMBERS

222407-9011 & 222407-9035

#### SITE ADDRESS

32715 WILLIAM CARMICHAEL ROAD  
FALL CITY, WA 98004

#### OWNER/APPLICANT

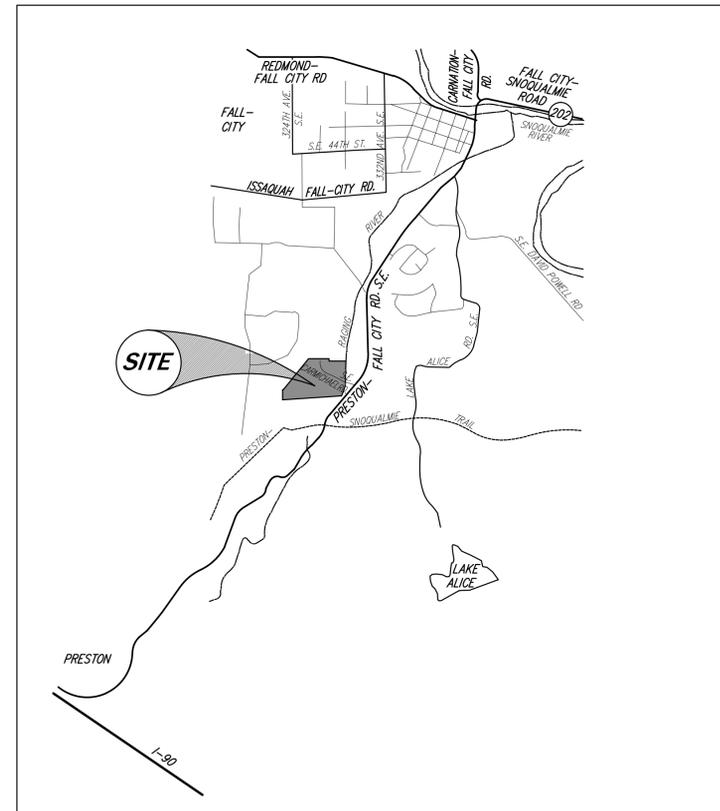
RAGING RIVER QUARRY, LLC  
3132 NE HARRISON STREET  
ISSAQUAH, WA 98029  
(425) 445-1189  
CONTACT: JOHN PRIEBE

#### ENGINEER/SURVEYOR

CORE DESIGN INC.  
14711 N.E. 29th PLACE, SUITE 101  
BELLEVUE, WASHINGTON 98007  
(425) 885-7877  
CONTACT: KEVIN VANDERZANDEN, P.L.S. - SURVEYOR  
STACIA BLOOM, P.E. - ENGINEER

#### SHEET INDEX

- C1.01 COVER SHEET
- C1.02 EXISTING CONDITION
- C2.01 EROSION CONTROL PLAN
- C3.01 EXCAVATION PLAN
- C3.31 RECLAMATION PLAN
- C3.31 EXISTING PERMIT CONDITIONS



#### VICINITY MAP

NO SCALE

NO.	DATE	REVISIONS
1	9/2/16	COUNTY COMMENTS, REVISIONS TO PLAN SET
2	12/14/17	COUNTY COMMENTS, REVISIONS TO PLAN SET



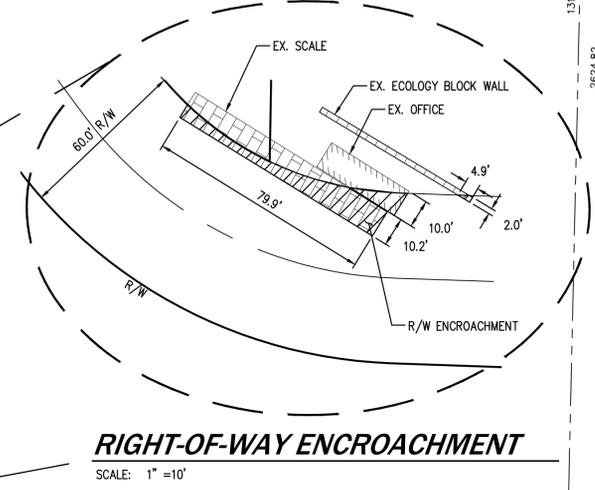
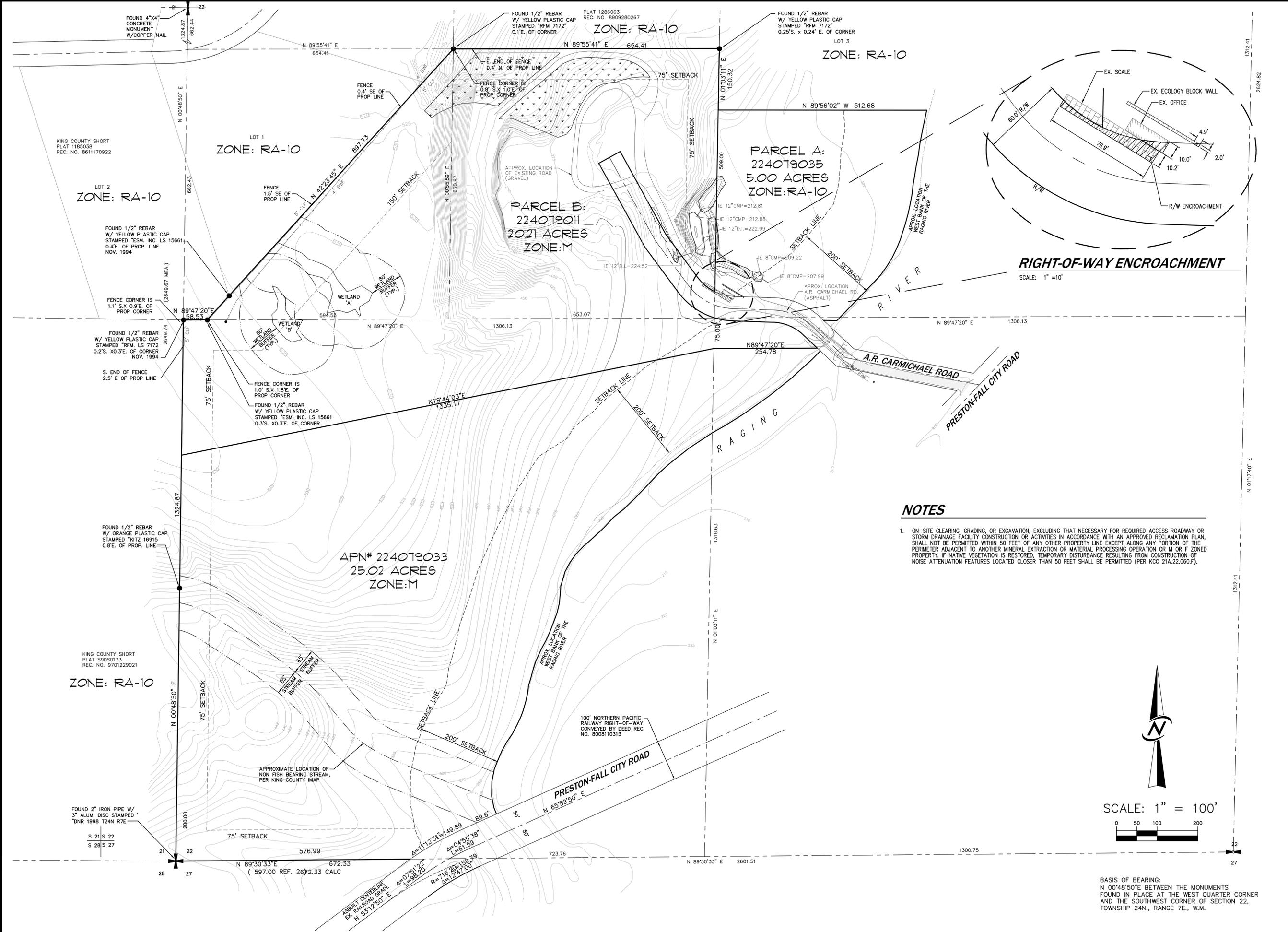
14711 NE 29th Place Suite 101  
Bellevue, Washington 98007  
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**COVER SHEET**  
**RAGING RIVER QUARRY**  
**RAGING RIVER QUARRY, LLC**  
3132 NE HARRISON ST  
ISSAQUAH, WA 98029

DATE	DESIGNED	DRAWN	APPROVED
DECEMBER 2017	GARRETT BENSON	GARRETT BENSON	STACIA BLOOM, P.E.
			KEVIN J. VANDERZANDEN, P.L.S.
			PROJECT MANAGER

SHEET	OF
<b>C1.01</b>	<b>6</b>
PROJECT NUMBER	
<b>10001R</b>	



DATE	9/2/16
DESIGNED	GARRETT BENSON
DRAWN	GARRETT BENSON
APPROVED	STACIA BLOOM, P.E.
PROJECT MANAGER	KEVIN J. VANDERZANDEN, P.L.S.



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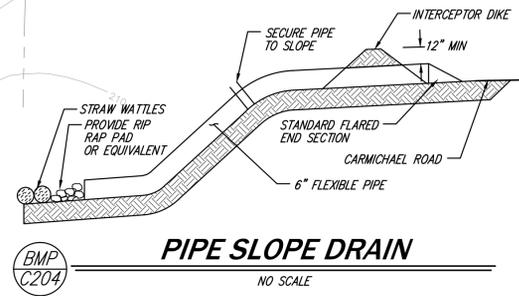
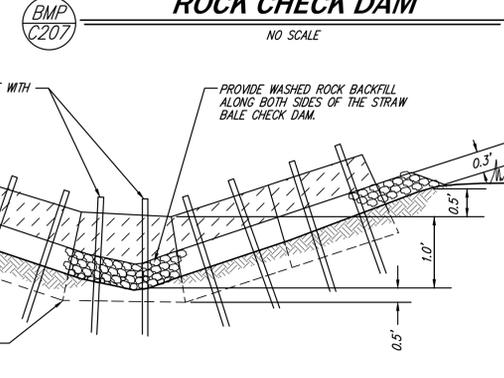
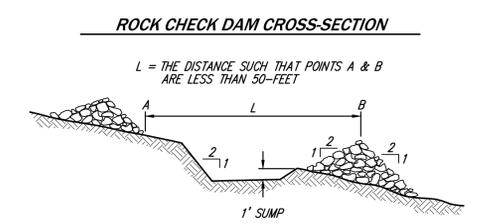
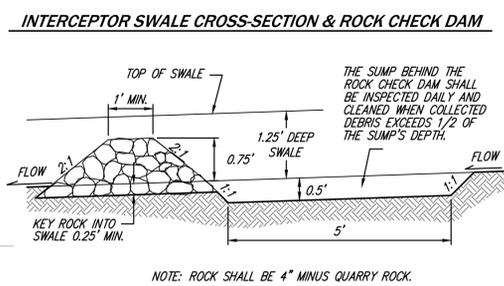
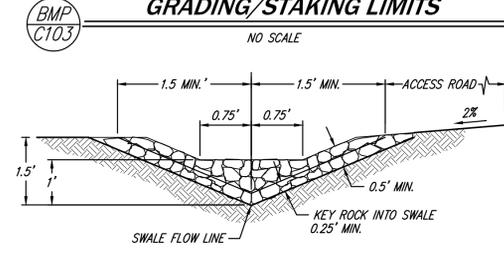
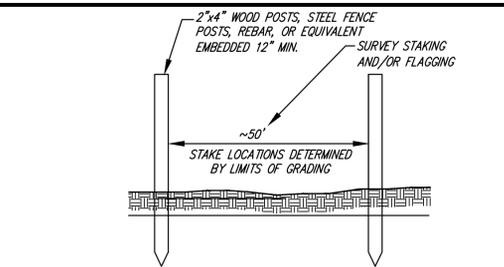
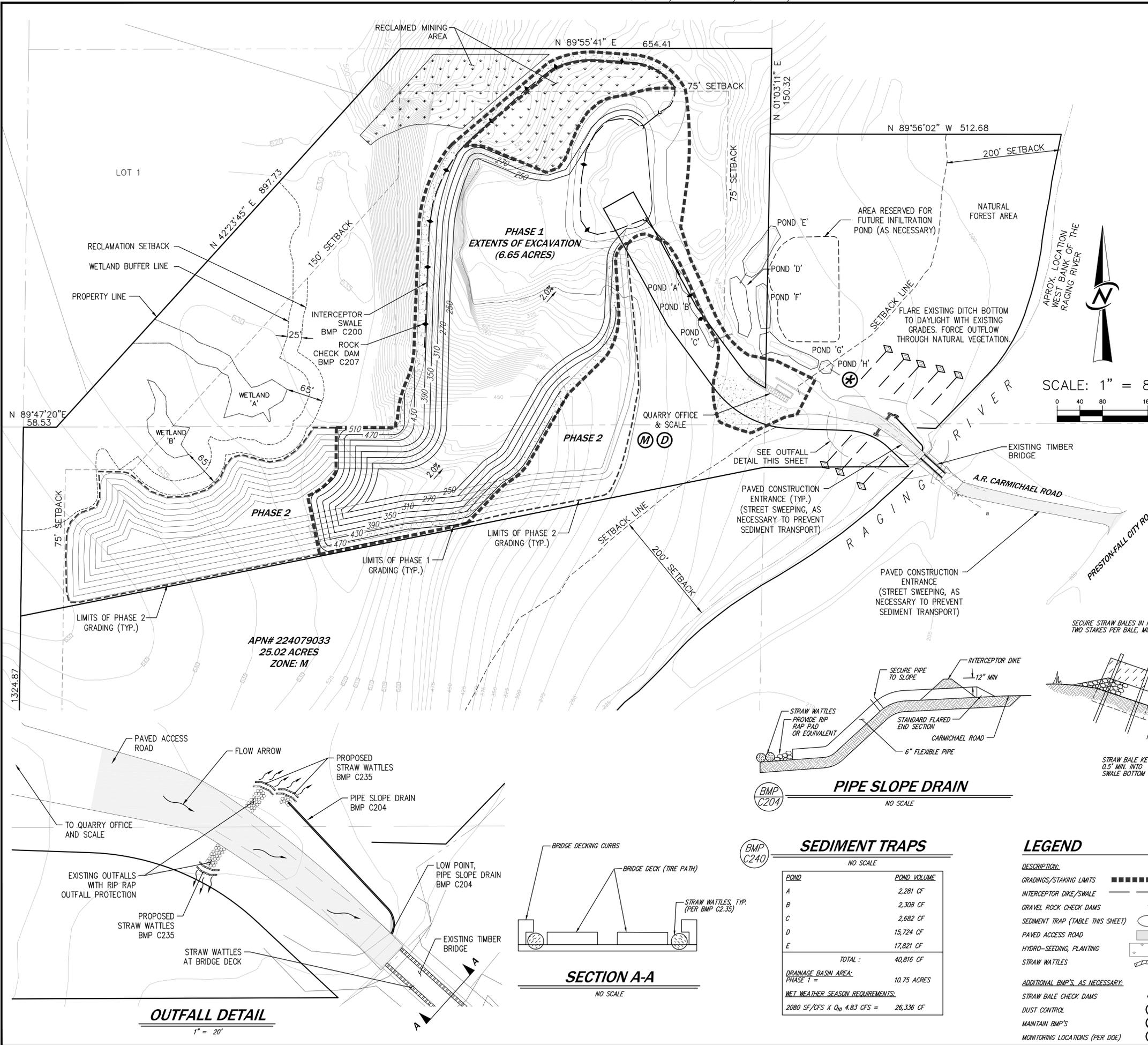


**EXISTING CONDITIONS**  
**RAGING RIVER QUARRY**  
**RAGING RIVER QUARRY, LLC**  
3132 NE HARRISON ST  
ISSAQUAH, WA 98029

DATE	DECEMBER 2017
DESIGNED	GARRETT BENSON
DRAWN	GARRETT BENSON
APPROVED	STACIA BLOOM, P.E.
PROJECT MANAGER	KEVIN J. VANDERZANDEN, P.L.S.
SHEET	OF
<b>C1.02</b>	<b>6</b>
PROJECT NUMBER	<b>10001R</b>

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BASIS OF BEARING:  
N 00°48'50" E BETWEEN THE MONUMENTS  
FOUND IN PLACE AT THE WEST QUARTER CORNER  
AND THE SOUTHWEST CORNER OF SECTION 22,  
TOWNSHIP 24N., RANGE 7E., W.M.



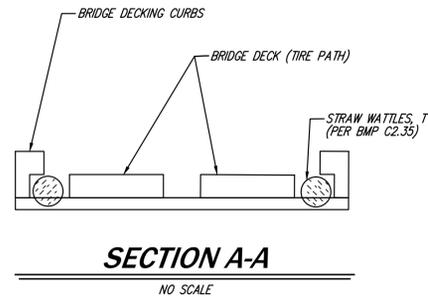
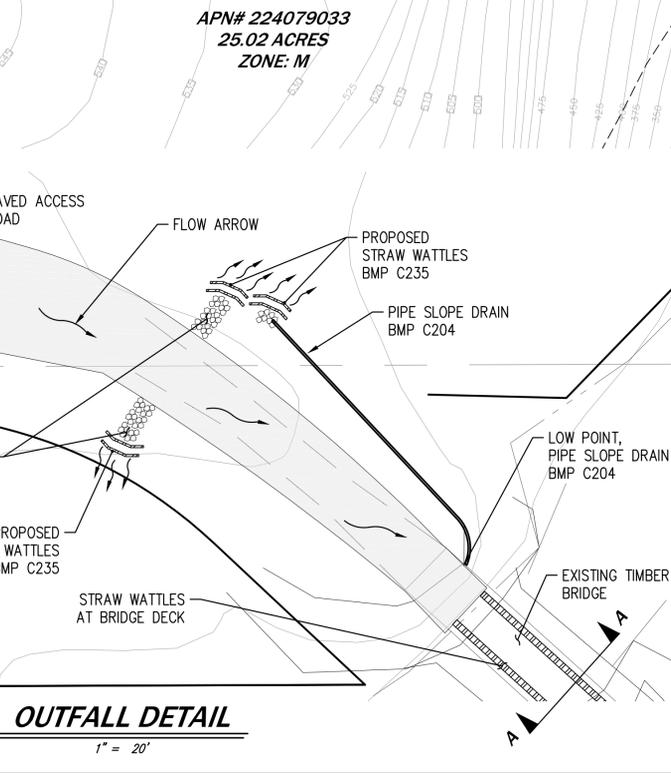
**SEDIMENT TRAPS**  
NO SCALE

POND	POND VOLUME
A	2,281 CF
B	2,308 CF
C	2,682 CF
D	15,724 CF
E	17,821 CF
<b>TOTAL :</b>	<b>40,816 CF</b>
<b>DRAINAGE BASIN AREA:</b>	<b>10.75 ACRES</b>
<b>WET WEATHER SEASON REQUIREMENTS:</b>	<b>2080 SF/CFS X Q<sub>10</sub> 4.83 CFS = 26,336 CF</b>

**LEGEND**

DESCRIPTION:	INTENDED PURPOSE:	STD. DETAIL:
GRADINGS/STAKING LIMITS	RESTRICTS GRADING TO APPROVED LIMITS	C103
INTERCEPTOR DIKE/SWALE	INTERCEPT RUNOFF FROM UNPROTECTED AREAS	C200
GRAVEL ROCK CHECK DAMS	REDUCES VELOCITY OF CONCENTRATED FLOWS	C207
SEDIMENT TRAP (TABLE THIS SHEET)	REMOVES SEDIMENT FROM SEDIMENT-LADEN WATERS	C240
PAVED ACCESS ROAD	REDUCES EROSION BY STABILIZING SOILS	C120
HYDRO-SEEDING, PLANTING	REDUCES EROSION BY STABILIZING SOILS	C235
STRAW WATTLES	REDUCES EROSION BY STABILIZING SOILS	C230
ADDITIONAL BMP'S, AS NECESSARY:		
STRAW BALE CHECK DAMS	DECREASE THE VELOCITY OF SHEET FLOWS	C230
DUST CONTROL	PREVENTS TRANSPORT OF SEDIMENT (DUST & TRACKING)	C140
MAINTAIN BMP'S		
MONITORING LOCATIONS (PER DOE)		

NOTE: STD. DWG. DETAIL PER 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON



DATE: 9/2/16  
DESIGNED: GARRETT BENSON  
DRAWN: GARRETT BENSON  
APPROVED: STACHA BLOOM, P.E.  
PROJECT MANAGER: KEVIN J. VANDEZANZEN, P.L.S.

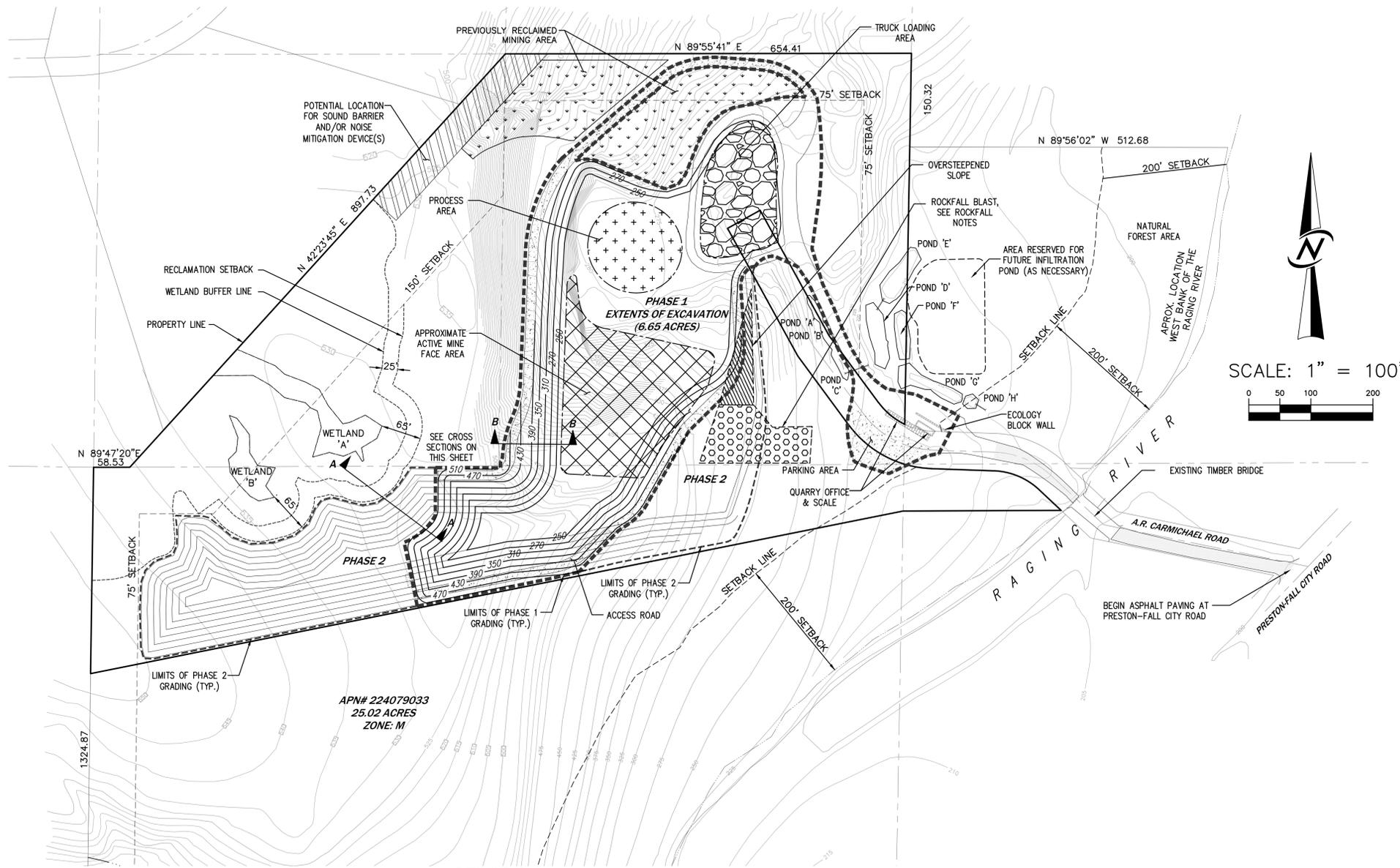
REVISIONS:  
1. COUNTY COMMENTS. REVISIONS TO PLAN SET  
2. COUNTY COMMENTS. REVISIONS TO PLAN SET

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**CORE DESIGN**  
ENGINEERING • PLANNING • SURVEYING

**EROSION CONTROL PLAN**  
**RAGING RIVER QUARRY**  
**RAGING RIVER QUARRY, LLC**  
3132 NE HARRISON ST  
ISSAQUAH, WA 98029

DATE: DECEMBER 2017  
SHEET: C2.01 OF 6  
PROJECT NUMBER: 10001R



**EXCAVATION LIMITS**

PHASE 1	6.65 ACRES	1,157,754 CY
PHASE 2	9.53 ACRES	435,246 CY

**INFILTRATION PONDS- SIZING CALCULATIONS**

THE TRIBUTARY BASIN ASSOCIATED WITH PHASE 1 CONSISTS OF APPROXIMATELY 10.75 ACRES. THIS AREA IS TRIBUTARY TO THE PRESETTLING PONDS (POND 'A' - POND 'C') AND INFILTRATION PONDS (POND 'D' - POND 'H') THAT HAVE BEEN SIZED FOR PRESETTLING AND FULL INFILTRATION. THE PRESETTLING PONDS AND INFILTRATION PONDS CAN ACCOMMODATE 6.65 ACRES OF AN OPEN MINING AREA. LIMITS OF THE OPEN MINING AREA SHALL NOT EXCEED 6.65 ACRES WITHOUT ONE OF THE FOLLOWING:

- 1) RECLAMATION OF MINING AREAS
- 2) INCREASE/ADDITION OF INFILTRATION PONDS TO ACCOMMODATE THE INCREASE IN OPEN MINING AREA

PRESETTLING POND	MODELED VOLUME (CF)
A	2,281
B	2,308
C	2,682
<b>TOTAL :</b>	<b>5,028</b>

INFILTRATION POND	MODELED VOLUME (CF)
D	15,724
E	17,821
F	9,085
G/H	13,252
<b>TOTAL :</b>	<b>55,882</b>

**BUFFER AVERAGING**

BUFFER AVERAGING HAS BEEN IMPLEMENTED IN A MANNER SUCH THAT THE ECOLOGICAL STRUCTURE AND FUNCTION OF THE RESULTING BUFFER IS EQUIVALENT TO THE STRUCTURE AND FUNCTION BEFORE AVERAGING. THE TOTAL AREA IS NOT REDUCED, THE BUFFER AREA IS CONTIGUOUS, AND AVERAGING DOES NOT REDUCE THE REQUIRED BUFFER WIDTH BY GREATER THAN 20 PERCENT.

	STANDARD BUFFER	REDUCED BUFFER W/ BUFFER AVERAGING
WETLAND 'A'	80'	65'
WETLAND 'B'	80'	65'

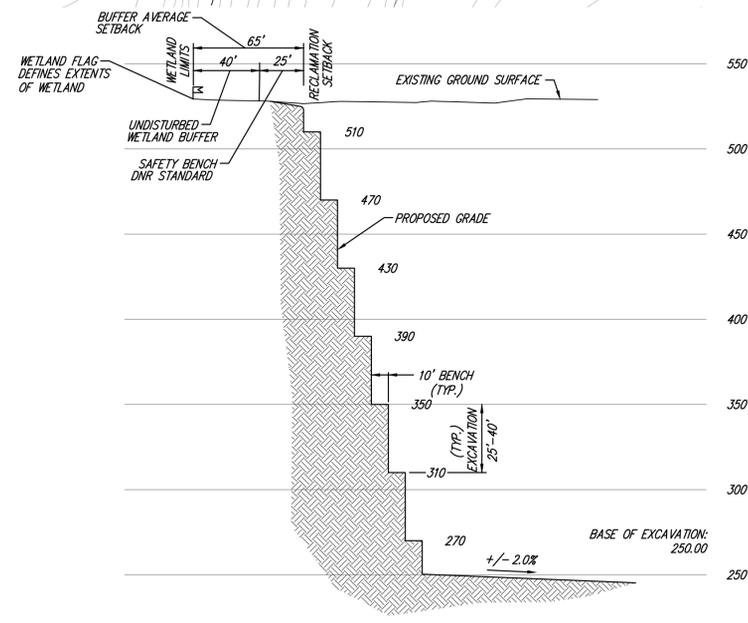
NOTE: SEE DIAGRAMS ON SHEET C3.31 TO DEPICT THE BUFFER AVERAGING OF THE WETLANDS

**ROCKFALL NOTES:**

1. REFER TO "KING COUNTY-RECOMMENDATION COMPLIANCE MEMORANDUM" PREPARED BY GEOENGINEERS, DATED SEPTEMBER 28, 2017.
2. REFER TO "ERP-BLASTING PLAN" PREPARED BY EASTSIDE ROCK PRODUCTS
3. WHERE 1H:1V SLOPES EXIST, AREA SHALL BE MONITORED REGULARLY, PARTICULAR ATTENTION DURING TIMES OF PRECIPITATION AND WHEN ACTIVELY ADDING/REMOVING MATERIAL.
4. ALL DISTURBED AREAS BELOW 300 FEET OF ELEVATION, INCLUDING THE ROCKFALL AREA, SHALL BE SEEDED WITH A 50/50 MIX OF DOT EROSION CONTROL GRASS AND WHITE CLOVER. STRAW MULCH WILL BE USED TO COVER SEEDED AREAS AS WELL.
5. LONG TERM STABILIZATION RESULTS ARE ANTICIPATED TO NATURALLY RECOVER WITH NATIVE VEGETATION.
6. METHODS FOR ROCK EXTRACTION ARE NOW MODIFIED FOR FUTURE WORK, INCLUDING PULLING BACK ROCK AND MATERIAL FROM THE SLOPE TO HELP PREVENT MATERIAL FROM SLIDING DOWN THE SLOPE BECAUSE OF BLASTING. EACH BLAST IN THE REGION WILL BE STRIPPED COMPLETELY, EVALUATED, AND INDIVIDUAL SHOT DESIGNS WILL BE DEVELOPED. EVALUATING EACH SHOT WILL RESULT IN MODIFICATIONS TO BEST MITIGATE POTENTIAL HAZARDS ASSOCIATED WITH EACH SHOT.

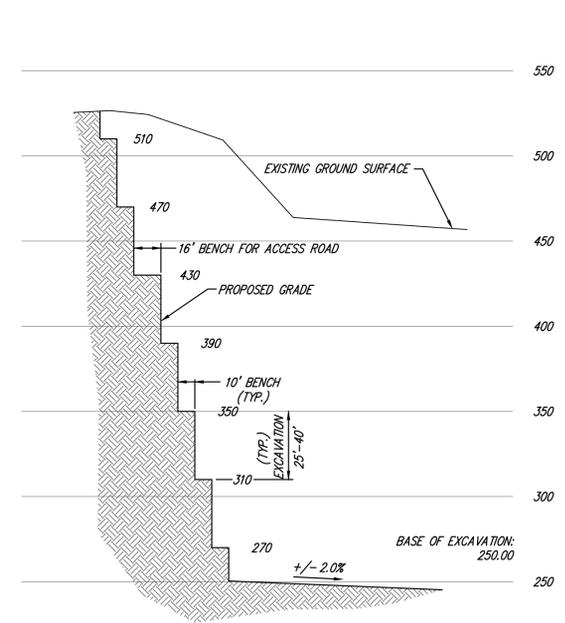
**LEGEND**

	PROPERTY LINE		QUARRY SCALE
	DEVELOPMENT SETBACK		RECLAIMED AREA
	WETLAND AREA		SOUND BARRIER/NOISE MITIGATION
	WETLAND BUFFER		OVERSTEEPENED SLOPE
	PHASE 1 CONTOUR		ROCK FALL BLAST
	PHASE 2 CONTOUR		TRUCK LOADING AREA
	PHASE 1 FLAG LIMITS		PROCESS AREA
	INFILTRATION PONDS		ACTIVE MINE FACE AREA
	CULVERT		
	PAVED ASPHALT		
	ACCESS ROAD/PARKING		
	QUARRY OFFICE		



**SECTION A-A**

1"=50' HOR.  
1"=50' VER.



**SECTION B-B**

1"=50' HOR.  
1"=50' VER.

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DATE	9/2/16
DESIGNED	GARRETT BENSON
DRAWN	GARRETT BENSON
APPROVED	STACIA BLOOM, P.E.
PROJECT MANAGER	KEVIN J. VANDEZANDEEN, P.L.S.



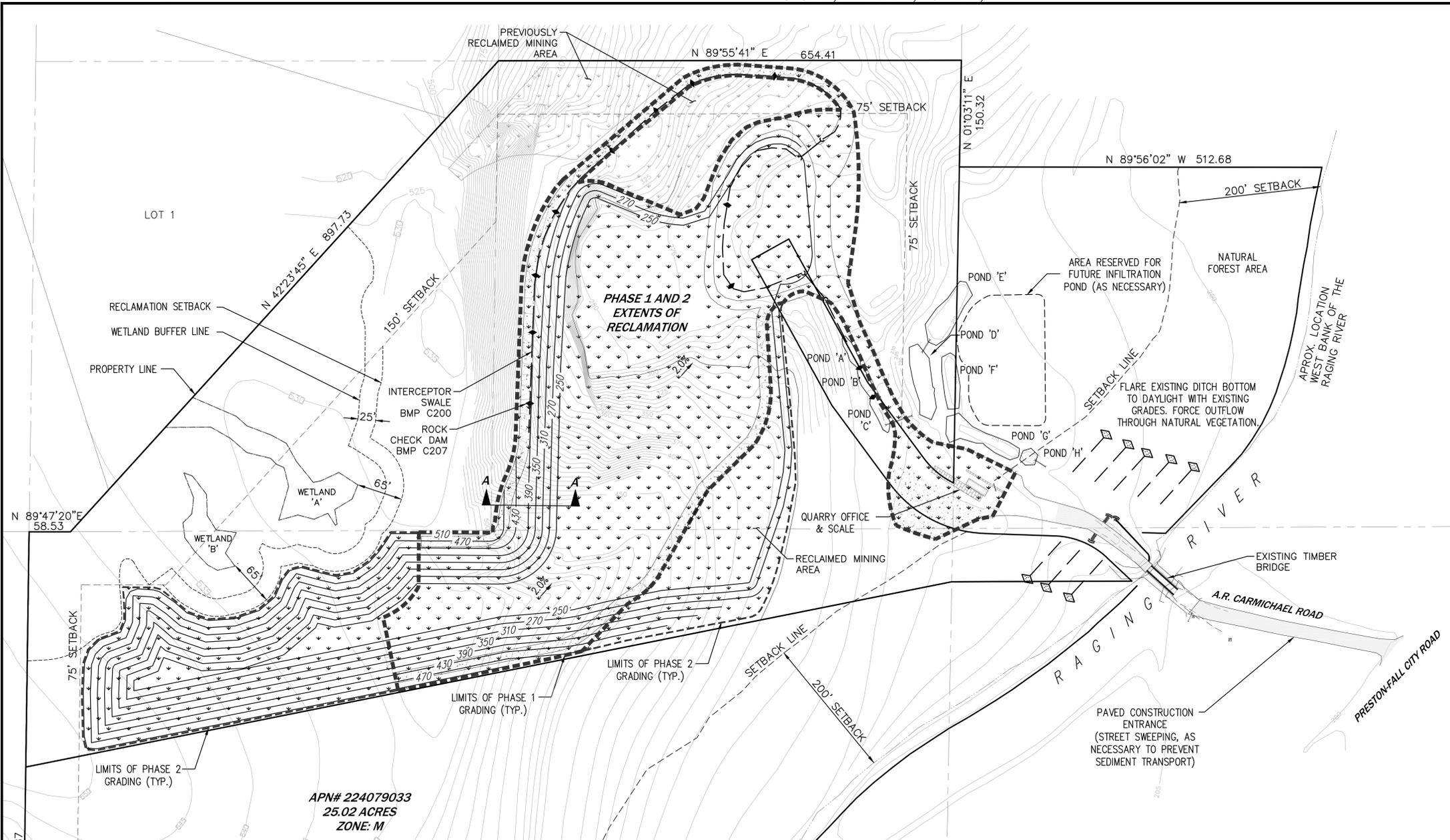
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**CORE DESIGN**  
ENGINEERING • PLANNING • SURVEYING

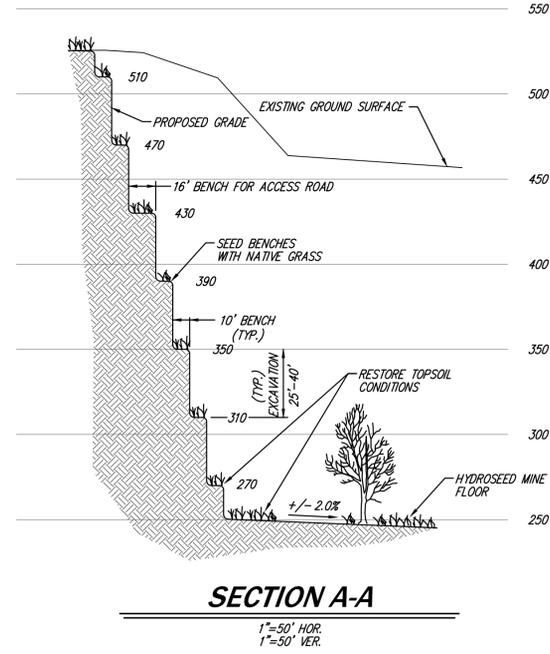
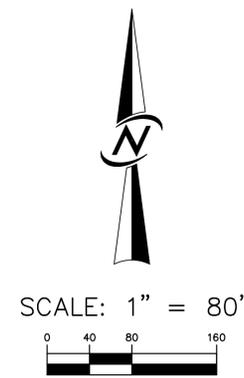
**EXCAVATION PLAN**  
**RAGING RIVER QUARRY**  
**RAGING RIVER QUARRY, LLC**  
3132 NE HARRISON ST  
ISSAQUAH, WA 98029

DATE	DECEMBER 2017
DESIGNED	GARRETT BENSON
DRAWN	GARRETT BENSON
APPROVED	STACIA BLOOM, P.E.
PROJECT MANAGER	KEVIN J. VANDEZANDEEN, P.L.S.

SHEET	OF
<b>C3.01</b>	<b>6</b>
PROJECT NUMBER	<b>10001R</b>



APN# 224079033  
25.02 ACRES  
ZONE: M



**SECTION A-A**

1"=50' HOR.  
1"=50' VER.

**NOTES**

1. ENSURE MINE FLOOR HAS POSITIVE SLOPE TOWARDS RESETTLING AND INFILTRATION PONDS.
2. SEED BENCHES WITH NATIVE GRASS TO PROMOTE VEGETATIVE STABILITY ALONG MINE FACES.
3. RESTORE TOPSOIL CONDITIONS AND HYDROSEED OPEN AREAS AND MINE FLOOR.

**LEGEND**

- DESCRIPTION:
- GRADINGS/STAKING LIMITS
  - INTERCEPTOR DIKE/SWALE
  - GRAVEL ROCK CHECK DAMS
  - SEDIMENT TRAP (TABLE THIS SHEET)
  - PAVED ACCESS ROAD
  - PREVIOUSLY RECLAIMED MINING AREA
  - RECLAIMED MINING AREA
  - STRAW BALE CHECK DAMS

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DATE	DECEMBER 2017	SHEET	OF
DESIGNED	GARRETT BENSON	C3.02	6
DRAWN	GARRETT BENSON	PROJECT NUMBER	
APPROVED	STACIA BLOOM, P.E.	10001R	
PROJECT MANAGER	KEVIN J. VANDEZANDEN, P.L.S.		

NO.	REVISIONS
1	COUNTY COMMENTS. REVISIONS TO PLAN SET
2	COUNTY COMMENTS. REVISIONS TO PLAN SET

DATE: 9/2/16  
12/14/17

14711 NE 29th Place Suite 101  
Bellevue, Washington 98007  
425.885.7877 Fax 425.885.7963

**CORE DESIGN**  
ENGINEERING • PLANNING • SURVEYING

12-14-2017

**GRADING PERMIT CONDITIONS**

**ADMINISTRATIVE**

1. A VALID CLEARING AND GRADING PERMIT SHALL BE MAINTAINED ON THIS SITE UNTIL THE RECLAMATION OF THE SITE REQUIRED UNDER CHAPTER 78.44 ROW IS COMPLETED (KCC 21A.22.081.A).
2. THIS OPERATION SHALL BE SUBJECT TO THE CONDITIONS OF KING COUNTY ORDINANCES 3108 AND 1488, AS AMENDED AND KCC 21A.22. ANY SUBSEQUENT MODIFICATION TO EQUIPMENT DUE TO TECHNOLOGY MAY BE SUBJECT TO ADDITIONAL STANDARDS AT THAT TIME.
3. THE APPLICANT SHALL MAINTAIN A LIABILITY POLICY IN THE AMOUNT OF ONE HUNDRED THOUSAND PER INDIVIDUAL, TEN EE HUNDRED THOUSAND PER OCCURRENCE, AND FIFTY THOUSAND PROPERTY DAMAGE (\$100,000 / \$300,000 / \$50,000), AND SHALL NAME KING COUNTY AS AN ADDITIONAL INSURED. KING COUNTY MUST RECEIVE PROOF OF THIS POLICY PRIOR TO COMMENCEMENT OF ANY WORK AUTHORIZED UNDER THIS PERMIT (KCC 16.82.090).
4. THE APPLICANT SHALL MAINTAIN THE EXISTING \$21,500 RECLAMATION BOND ON FILE WITH THE STATE AT FULL VALUE UNTIL SUCH TIME AS THE LEVEL OF THE RECLAMATION BOND REQUIREMENT IS UPDATED BY THE STATE DNR.
5. IF WORK IS TO BE SUSPENDED FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, PERMITEE SHALL NOTIFY DPER PRIOR TO THE CESSATION OF WORK INDICATING THEIR INTENTION TO DO SO AND ALSO PRIOR TO RESTARTING OPERATIONS.
6. IN THE EVENT THAT EXTRACTION ACTIVITIES CEASE FOR A PERIOD IN EXCESS OF 120 DAYS, ALL TRUCKS AND EQUIPMENT SHALL BE REMOVED FROM SUBJECT PROPERTY UNTIL SUCH TIME AS EXCAVATIONS ARE RECOMMENCED. NO MAINTENANCE OF EQUIPMENT SHALL BE ALLOWED DURING PERIODS THAT THE QUARRY IS DORMANT.
7. THE ISSUANCE OF THE GRADING PERMIT DOES NOT RELIEVE THE OPERATORS FROM OBTAINING OTHER REQUIRED STATE AND LOCAL PERMITS.
8. FAILURE TO COMPLY WITH ANY OF THE CONDITIONS CONTAINED WITHIN THIS PERMIT SHALL BE CAUSE FOR SUSPENSION AND/OR REVOCATION OF THE PERMIT AND FINES AND PENALTIES PURSUANT TO KING COUNTY CODE TITLE 21A (ZONING) AND TITLE 23 (CODE COMPLIANCE) AND CHAPTERS 9.04 AND 9.12 (STORM WATER) AND 16.82 (GRADING).
9. THE APPLICANT SHALL MAINTAIN AN ONSITE LOG OF ACTIVITY. THE LOG SHALL BRIEFLY DESCRIBE EACH DAY'S ACTIVITIES, START TIME, STOP TIME, NUMBER OF TRUCKS ENTERING AND LEAVING, AND WHAT ACTIVITIES OCCURRED, SUCH AS DRILLING, BLASTING, CRUSHING, POND MAINTENANCE, OR ANY OTHER ACTIVITIES. THE LOG SHALL BE KEPT IN THE SCALE HOUSE AVAILABLE FOR REVIEW BY DPER'S SITE INSPECTOR. SUMMARIES OF THE LOG, INDICATING THE AMOUNT OF ROCK REMOVED FROM THE SITE, THE NUMBER OF TRUCK TRIPS GENERATED EACH QUARTER, AND THE NUMBER, SIZE, AND DATES OF ALL BLASTS, SHALL BE PREPARED QUARTERLY AND SIMILARLY STORED IN THE SCALE HOUSE AND MADE AVAILABLE TO DPER'S SITE INSPECTOR UPON REQUEST.
10. A COPY OF THE APPROVED PLANS, CONDITIONS, AND PERMIT MUST BE ON THE JOB SITE WHENEVER WORK IS IN PROGRESS.

**ZONING/LAND USE**

11. MINING-RELATED USES AND ACTIVITIES SHALL SETBACK A MINIMUM OF 75 FEET FROM THE RA-10 ZONED PROPERTIES ALONG THE WESTERN PROPERTY LINE, 150 FEET FROM THE NORTHWEST PARCEL BOUNDARY (ADJACENT TO PARCEL 2224079011), AND 200 FEET FROM THE RAGING RIVER, BUT IN NO CASE CLOSER TO THE RAGING RIVER THAN THE 300 FOOT CONTOUR LINE.
12. A MINIMUM 150 FOOT SETBACK SHALL BE MAINTAINED BETWEEN QUARRY OPERATIONS AND PROPERTY AUTHORIZED TO BE DEVELOPED FOR RESIDENTIAL USE ALONG THE NORTHWEST CORNER OF THE TRIANGULAR PORTION OF PARCEL 2224079011, OF WHICH NOT LESS THAN 75 FEET SHALL BE ON THE M ZONED PROPERTY. THE ENTIRE 150 FOOT SETBACK SHALL BE A NATIVE GROWTH PROTECTION AREA. NO ALTERATIONS ARE ALLOWED TO THE NATIVE GROWTH PROTECTION AREA WITHOUT EXPRESS WRITTEN APPROVAL FROM DPER.
13. NO REMOVAL OF VEGETATION SHALL BE PERMITTED WITHIN 200 FEET OF THE RAGING RIVER OR LOWER THAN THE 300 FOOT CONTOUR, WHICHEVER IS GREATER (EXCEPT TO ACCOMMODATE THE NECESSARY DRAINAGE DITCHES). THESE DEMARCATION LINES SHALL BE CLEARLY STAKED AND MAINTAINED DURING THE MINING PROCESS.
14. BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THE APPROVED UPDATED SITE PLAN SHALL BE SURVEYED, STAKED, AND CLEARLY FLAGGED IN THE FIELD. NO LAND DISTURBING ACTIVITIES THAT WOULD REQUIRE A PERMIT SHALL BE ALLOWED BEYOND THE FLAGGED CLEARING LIMITS. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITEE IN A PERMANENT MANNER THROUGHOUT THE LIFETIME OF THE MINING AND RECLAMATION PROCESSES.
15. THE SURVEYED, STAKED AND FLAGGED LIMITS OF MINING, THE REQUIRED SETBACKS FROM THE RAGING RIVER, AND PREVIOUSLY APPROVED CLEARING LIMITS SHALL BE MAINTAINED FOR THE DURATION OF QUARRY OPERATIONS.

**RECLAMATION**

16. REHABILITATION OF THE SUBJECT PROPERTY SHALL BE DONE IN CONFORMANCE WITH THE PROVISIONS OF KCC 21A.22.081.
17. THE GRANTING OF THIS PERMIT DOES NOT IMPLY APPROVAL OF ANY PERMIT(S) WHICH MAY BE REQUIRED FOR SITE REHABILITATION.
18. THE DEPARTMENT MAY MODIFY RECLAMATION REQUIREMENTS OF KCC 21A.22.081 OR WITHIN THESE PERMIT CONDITIONS WHEN NOT APPLICABLE OR IF IT CONFLICTS WITH AN APPROVED SUBSEQUENT USE FOR THE SITE (KCC 21A.22.081.D).

**DRAINAGE/WATER QUALITY**

19. THE OPERATOR SHALL CONTROL SURFACE WATER AND SITE DISCHARGES TO COMPLY WITH KCC CHAPTER 9.04 AND THE SURFACE WATER DESIGN MANUAL AND KCC CHAPTER 9.12 AND THE STORMWATER POLLUTION PREVENTION MANUAL FOR THE LIFE OF THE MINERAL RESOURCE OPERATION AND UNTIL SITE RECLAMATION IS COMPLETE, THE OPERATOR SHALL MAINTAIN A VALID WASHINGTON STATE DEPARTMENT OF ECOLOGY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) INDIVIDUAL PERMIT OR MAINTAIN COVERAGE UNDER THE SAND AND GRAVEL GENERAL PERMIT. THE OPERATOR SHALL KEEP ONSITE AND AVAILABLE FOR DEPARTMENT REVIEW COPIES OF THE EROSION AND SEDIMENT CONTROL PLAN, THE APPLICABLE NPDES INDIVIDUAL OR GENERAL PERMIT AND THE STORMWATER POLLUTION PREVENTION PLAN. THE OPERATOR SHALL MAKE THE PLANS AND PERMIT AVAILABLE FOR INSPECTION UPON REQUEST. THE OPERATOR SHALL PROVIDE TO THE DEPARTMENT COPIES OF THE MONITORING RESULTS ON PERMIT MONITORING DATA SUBMITTAL DATES. THE DEPARTMENT SHALL MAKE THE MONITORING RESULTS AVAILABLE FOR PUBLIC INSPECTION. IF THE DEPARTMENT DETERMINES THAT NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM MONITORING FREQUENCY OR TYPE IS NOT ADEQUATE TO MEET THE DEMANDS OF THE SITE AND THE REQUIREMENTS OF THIS SUBSECTION, THE DEPARTMENT MAY REQUIRE MORE FREQUENT AND DETAILED MONITORING AND MAY REQUIRE A PROGRAM DESIGNED TO BRING THE SITE INTO COMPLIANCE (KCC 21A.22.070.F).
20. THE OPERATOR SHALL NOT EXCAVATE BELOW THE CONTOURS DETERMINED THROUGH HYDROLOGIC STUDIES NECESSARY TO PROTECT GROUNDWATER AND THE UPPER SURFACE OF THE SATURATED GROUNDWATER THAT COULD BE USED FOR POTABLE WATER SUPPLY (KCC 21A.22.070.G).
21. IF CONTAMINATION OF SURFACE OR GROUND WATER BY HERBICIDES IS POSSIBLE, TO THE MAXIMUM EXTENT PRACTICABLE, MECHANICAL MEANS SHALL BE USED TO CONTROL NOXIOUS WEEDS ON THE SITE (KCC 21A.22.070.H).
22. ALL DRAINAGE DITCHES, INTERCEPTORS, AND HOLDING PONDS SHALL BE KEPT CLEAN AND FREE OF OBSTRUCTIONS. THESE AND OTHER EROSION SEDIMENTATION FACILITIES SHALL BE MAINTAINED IN GOOD WORKING CONDITION THROUGHOUT THE LIFE OF THE MINE
23. THE OPERATOR SHALL PROVIDE MAINTENANCE, MONITORING, AND ADAPTIVE MONITORING OF EROSION AND SEDIMENT CONTROL MEASURES AND FACILITIES, INCLUDING ANY NECESSARY REPLACEMENT OR UPGRADES TO THESE FACILITIES, THROUGH COMPLETION AND FINAL RECLAMATION OF MINING OPERATIONS AS REQUIRED THROUGH PREVIOUS REVIEWS AND APPROVALS. THE PERMITEE SHALL INSPECT THE ESC FACILITIES AT THE END OF EACH WORKING DAY TO ASSURE THAT THEY ARE IN GOOD WORKING CONDITION. IF THESE FACILITIES REQUIRE REPAIR OR MAINTENANCE, IT SHALL BE PERFORMED PRIOR TO THE END OF THE WORKING DAY. ALL DISTURBED AREAS SHALL BE PROMPTLY AND THOROUGHLY STABILIZED AGAINST EROSION DURING PERIODS OF WET WEATHER WHEN WORK IS SUSPENDED.
24. E-18 EROSION SEDIMENTATION CONTROL FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
25. E-21 WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, STANDARDS SET FORTH IN APPENDIX "D" OF THE KING COUNTY SURFACE WATER DESIGN MANUAL SHALL BE USED.
26. E-22 WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2-INCHES.

**GRADING PERMIT CONDITIONS (CONTINUED)**

**NOISE**

27. THE OPERATION SHALL COMPLY WITH KCC 21A.22.070.A.L, WHICH REQUIRES COMPLIANCE WITH THE NOISE STANDARDS IN KCC CHAPTER 12.86.
28. MAXIMUM HOURS OF OPERATION ARE AS FOLLOWS:
  - a. 7:00 A.M. TO 7:00 P.M. MONDAY THROUGH FRIDAY; PROVIDED, HOWEVER, LOADING OF THE TRUCKS SHALL BE RESTRICTED TO THE HOURS OF 7:30 AM TO 4 PM.
  - b. 8:00 AM TO 4:30 PM SATURDAY; PROVIDED, HOWEVER, THAT ACTIVITY ON SATURDAYS SHALL BE RESTRICTED TO MAINTENANCE OF EQUIPMENT.
 THESE HOURS OF OPERATION MAY BE INCREASED ONLY IN THE EVENT OF AN EMERGENCY SITUATION AS IDENTIFIED BY THE MANAGER ODPER. MAINTENANCE OF EQUIPMENT MAY OCCUR ON THE SITE ONLY DURING THE STIPULATED HOURS OF OPERATION. MINOR MAINTENANCE, SUCH AS LUBE OR OIL CHANGES, OF EQUIPMENT IS PERMISSIBLE DURING NON-OPERATING HOURS PROVIDED THAT IN NO EVENT SHALL SUCH EQUIPMENT BE STARTED AND TESTED OUTSIDE THE APPROVED OPERATING HOURS (P-SUFFIX #4).
29. CRUSHING AND DRILLING SHALL NOT BE CONDUCTED CONCURRENTLY AT ANY LOCATION ON THE SITE UNTIL A COMPREHENSIVE NOISE STUDY, APPROVED BY DPER, DEMONSTRATES THAT CONCURRENT OPERATIONS CAN BE CONDUCTED IN COMPLIANCE WITH PERMISSIBLE SOUND LEVELS IN KCC 12.86.
30. THE ONLY WORK THAT MAY BE CONDUCTED AT AN ELEVATION OF GREATER THAN 150 FEET ABOVE OF QUARRY REDUCTION FLOOR IS ROCK DRILLING AND EXCAVATION FOR STRIPPING OVERBURDEN UNTIL A COMPREHENSIVE NOISE STUDY, APPROVED BY DPER, DEMONSTRATES THAT OTHER QUARRY OPERATIONS CAN OPERATE ABOVE ELEVATION 150 IN COMPLIANCE WITH PERMISSIBLE SOUND LEVELS IN KCC 12.86.
31. PRIOR TO INITIATING FULL OPERATIONS AT THE SITE, THE PERMITEE SHALL DEMONSTRATE COMPLIANCE WITH THE PERMISSIBLE SOUND LEVELS AS ESTABLISHED IN TITLE 12.
32. BERMS, SOLID FENCING, AND LANDSCAPING ON BOTH SIDES OF THE CARMICHAEL ROAD, FROM THE INTERSECTION OF THE PRESTON-FALL CITY ROAD TO THE QUARRY OFFICE AND SCALE, SHALL BE MAINTAINED TO THE SATISFACTION OF DPER AS NECESSARY TO REASONABLY MITIGATE NOISE AND VISUAL IMPACTS OF THE QUARRY, AS THEY AFFECT PERSONS TRAVELING ON THE PRESTON-FALL CITY ROAD AND ADJACENT AND NEARBY RESIDENTS.
33. THE APPLICANT SHALL CONSTRUCT AND/OR MAINTAIN ROCK BERMS OR ACOUSTICAL WALLS AROUND THE ROCK CRUSHER, SCREENER, AND OTHER SIMILAR TYPES OF STATIONARY AND SEMI-STATIONARY NOISE PRODUCERS. SAID BERMS OR WALLS SHALL BE INCLUDED IN THE NOISE COMPREHENSIVE NOISE PLAN AND CONSTRUCTED TO THE SATISFACTION OF DPER.
34. DPER SHALL HAVE THE AUTHORITY TO REQUIRE MONITORING DEVICES TO BE LOCATED ON OR ADJACENT TO THE SITE TO ASSURE COMPLIANCE WITH KING COUNTY NOISE REGULATIONS. THE PERMITEE SHALL REIMBURSE THE COUNTY FOR ALL COSTS INCURRED TO CONDUCT INDEPENDENT NOISE MONITORING.
35. THE PERMITEE SHALL PROVIDE NOTIFICATION TO DPER FOR AND MUST RECEIVE PRIOR APPROVAL FROM DPER FOR ANY MINING-RELATED ACTIVITIES ABOVE AN ELEVATION 150 FEET.
36. IN THE EVENT THAT NOISE OCCURS IN EXCESS OF THE ALLOWED LEVELS, THE OPERATORS SHALL CEASE OPERATIONS THAT ARE CAUSING THE EXCESSIVE NOISE UNTIL MEASURES ARE IMPLEMENTED TO CORRECT THE VIOLATION. FAILURE TO IMPLEMENT CORRECTIVE MEASURES IN A TIMELY FASHION MAY RESULT IN THE IMPOSITION OF A STOP WORK ORDER AND, IF NECESSARY, OTHER ENFORCEMENT MEASURES.

**AIR QUALITY**

37. THE PERMITEE SHALL COMPLY WITH PUGET SOUND CLEAN AIR AGENCY (PSCAA) REQUIREMENTS FOR REGISTRATION OR PERMITS, AND COPIES OF THE PERMIT OR REGISTRATION SHALL BE KEPT ONSITE AND AVAILABLE FOR DEPARTMENT AND PUBLIC INSPECTION. THE PERMITEE SHALL COMPLY WITH ALL OTHER PSCAA REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, EMISSION STANDARDS, CONTROL METHODS, BEST MANAGEMENT PRACTICES, MONITORING, AND/OR INSPECTIONS. MONITORING DATA RELATED TO REQUIRED PSCAA REGISTRATION OR PERMITS SHALL BE PROVIDED TO DPER ON THE SUBMITTAL DATES (KCC 21.22.070.C.1 AND KCC 21.22.070.C.2).
38. DUST AND SMOKE FROM PROCESSING OPERATIONS AT THE SITE SHALL BE CONTROLLED, SUCH THAT THERE IS NO SIGNIFICANT INCREASE THE EXISTING LEVELS OF SUSPENDED PARTICULATES AT THE PERIMETER OF THE SITE, IN COMPLIANCE WITH KCC 21.22.070.C.3.

**TRANSPORTATION**

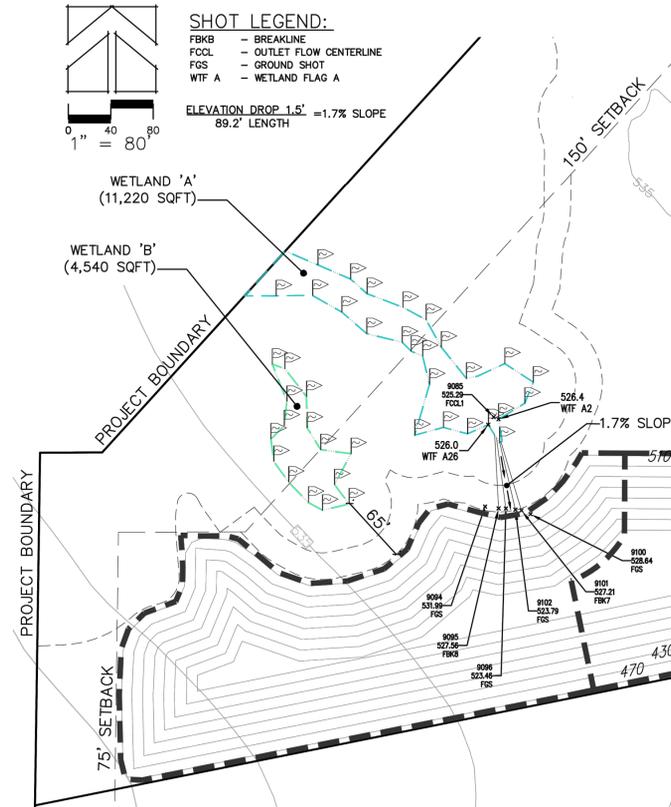
39. THE APPLICANT SHALL BE RESPONSIBLE FOR MAINTENANCE, TO THE SATISFACTION OF KCDOT, OF EXISTING WARNING SIGNAGE ALONG PRESTON-FALL CITY ROAD, WHICH WAS PREVIOUSLY APPROVED BY KCDOT AND INSTALLED TO COMPLY WITH THE REZONE CONDITIONS. IF THERE ARE CHANGES TO THE TRAFFIC FLOW OR NATURE OF TRUCK OPERATIONS ALONG PRESTON-FALL CITY ROAD, THE APPLICANT MAY BE REQUIRED TO UPDATE THE SPECIFIC CHARACTER AND NATURE OF THE SIGNAGE WHEN DETERMINED NECESSARY BY KCDOT IN ACCORDANCE WITH KCC 21A.22.070.E.
39. DPER OR KCDOT MAY REQUIRE THE APPLICANT TO PROVIDE FLAGGERS WHEN TRUCK TRAFFIC AT THE QUARRY WOULD INTERFERE WITH THE NORMAL TRAFFIC FLOW ALONG THE PRESTON-FALL CITY ROAD OR WHEN OTHERWISE DETERMINED NECESSARY IN ACCORDANCE WITH KCC 21A.22.070.E.
40. THE APPLICANT SHALL NOTIFY DPER AT LEAST 48 HOURS PRIOR TO COMMENCING CONTINUOUS TRUCKING OPERATIONS, WHICH SHALL MEAN AN AVERAGE, OVER A FOUR HOUR PERIOD, IN EXCESS OF ONE TRUCK LEAVING OR ENTERING THE SITE EVERY 5 MINUTES.
41. NO SIGNS, OTHER THAN SIGNS REQUIRED BY KCC 21A.20 AND THESE CONDITIONS, ARE ALLOWED.
42. EXISTING ACCESS ROAD PAVING FROM THE PRESTON-FALL CITY ROAD TO AT LEAST THE QUARRY OFFICE AND SCALE, IN CONJUNCTION WITH OTHER MEASURES AS NEEDED, SHALL BE MAINTAINED TO THE SATISFACTION OF KCDOT AND DPER TO PREVENT ROCKS, DIRT, MUD, AND ANY RAW OR PROCESSED MATERIAL FROM SPILLING FROM OR BEING TRACKED BY TRUCKS ONTO PUBLIC ROADWAYS IN ACCORDANCE WITH KCC 21A.22.070.D AND TO MINIMIZE ADDITIONAL NOISE.
43. NO ROCK, DEBRIS OR DIRT ATTRIBUTABLE TO TRUCKS LEAVING THE SITE WILL BE TRACKED OR SPILLED ONTO PRESTON-FALL CITY ROAD.
44. RPO WILL REIMBURSE KING COUNTY DOT FOR ANY COSTS INCURRED BY THEM TO CLEAN UP OR REPAIR DAMAGES TO COUNTY R-O-W RESULTING FROM THE QUARRY OPERATIONS.
45. PARKING OR QUEUING OF VEHICLES SHALL BE PROHIBITED ON THE PORTION OF CARMICHAEL ROAD BETWEEN THE RAGING RIVER AND PRESTON-FALL CITY ROAD BEFORE 7:00 A.M. AND ON PRESTON-FALL CITY ROAD AT ALL TIMES.

**VISUAL/AESTHETICS/SAFETY**

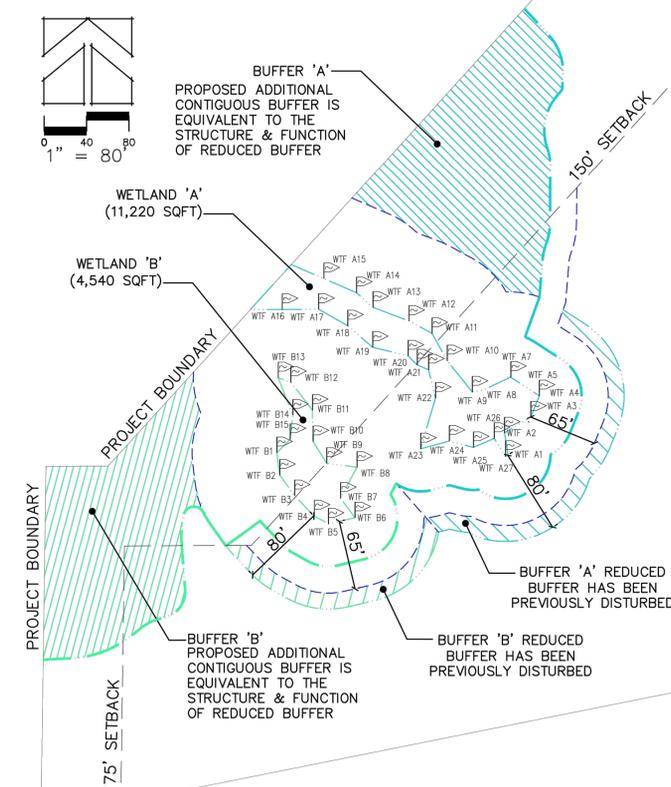
46. SECURITY FENCING MEETING THE REQUIREMENTS OF KCC 21A.22.060.C SHALL BE MAINTAINED ALONG THE PARCEL BOUNDARY AT THE NORTHWEST CORNER OF THE PROPERTY A LOCKABLE GATE SHALL BE MAINTAINED AT ANY ROAD ACCESS TO THE SITE. ADDITIONAL WARNING SIGNS, TRESPASS SIGNS, FENCES, AND/OR ALTERNATIVES TO FENCES SHALL BE PROVIDED IF DETERMINED NECESSARY BY DPER IN ACCORDANCE WITH KCC 21A.22.060.C.

**BLASTING**

47. BLASTING SHALL BE CONDUCTED UNDER AN APPROVED BLASTING PLAN IN ACCORDANCE WITH KCC 21A.22.070.B.
48. IN ACCORDANCE WITH KCC 21A.22.070.B.3, BLASTING SHALL BE CONDUCTED ACCORDING TO A TIME SCHEDULE, PROVIDED TO RESIDENTS WITHIN ONE-HALF MILE OF THE SITE, THAT FEATURES REGULAR OR PREDICTABLE TIMES, EXCEPT IN THE CASE OF AN EMERGENCY. IF REQUESTED BY A RESIDENT, THE OPERATOR SHALL PROVIDE NOTICE OF CHANGES IN THE TIME SCHEDULE AT LEAST TWENTY FOUR HOURS BEFORE THE CHANGES TAKE EFFECT.
49. ALL BLASTING TO BE PERFORMED AT THE SITE SHALL BE "CONFINED" BLASTS AND SHALL BE DONE IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. THE PREPARATION AND ACTUAL BLASTING OPERATION SHALL BE CONDUCTED UNDER THE SUPERVISION OF A LICENSED BLASTING CONTRACTOR. ALL BLASTING SHALL BE CONFINED TO NO MORE THAN TWICE A WEEK AND ONLY BETWEEN THE HOURS OF 3:00 P.M. AND 4:30 P.M., MONDAY THROUGH FRIDAY. NOTICE SHALL BE GIVEN TO LOCAL AREA RESIDENTS AT LEAST FIFTEEN MINUTES PRIOR TO DETONATION. NOTICE SHALL EITHER BE BY WAY OF A BELL, SIREN, OR WHISTLE AND AUDIBLE WITHIN THE SURROUNDING AREA FOR AT LEAST A DISTANCE OF ONE MILE FROM THE SITE. THE BLAST WARNING SIGNAL SHALL BE MODULATED, DIRECTED, OR OTHERWISE CONTROLLED TO REDUCE ITS IMPACT ON ADJACENT RESIDENTS TO THE MAXIMUM EXTENT FEASIBLE CONSISTENT WITH ASSURING AUDIBILITY OF THE SIGNAL FOR ONE MILE RADIUS AREA FROM THE LOCATION OF THE BLAST. EXPLOSIVE MATERIALS SHALL ONLY BE STORED ON THE SUBJECT PROPERTY WITH THE PRIOR APPROVAL OF DPER.
50. BLAST MONITORING SHALL BE CONDUCTED CONSISTENT WITH THE METHODS SPECIFIED IN THE OFFICE OF SURFACE MINING ENFORCEMENT AND RECLAMATION 1987 BLASTING GUIDANCE MANUAL IN ACCORDANCE WITH KCC 21A.22.070.B, AND REPORTS SUMMARIZING MONITORING RESULTS SHALL BE SUBMITTED TO DPER PROMPTLY AFTER THE BLAST. NO ADDITIONAL BLASTING IS ALLOWED UNTIL THE REPORT IS SUBMITTED TO DPER.
51. THE QUARRY OPERATOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO NEARBY PROPERTIES, INCLUDING DOMESTIC WATER SUPPLY WELLS, ATTRIBUTABLE TO BLASTING ON THE SUBJECT PROPERTY. CLAIMS FOR ANY SUCH DAMAGE SHALL BE THE RESPONSIBILITY OF THE AFFECTED PROPERTY OWNER AND THE QUARRY OPERATOR TO HANDLE DIRECTLY BETWEEN THEMSELVES, BUT A FAILURE OF THE QUARRY OPERATOR TO RESPOND IN GOOD FAITH TO ANY SUCH CLAIM MAY BE CAUSE FOR DENIAL OF FUTURE GRADING PERMITS, OR PROHIBITION OR RESTRICTION UPON FUTURE BLASTING.



**WETLAND OUTLET DETAIL**



**BUFFER AVERAGING DIAGRAM**

DATE	9/2/16
NO.	1
REVISIONS	COUNTY COMMENTS, REVISIONS TO PLAN SET
NO.	2
REVISIONS	COUNTY COMMENTS, REVISIONS TO PLAN SET



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**EXISTING PERMIT CONDITIONS RAGING RIVER QUARRY**  
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ISSAQUAH, WA 98029

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