# RAGING RIVER QUARRY

# APPLICATION OF EXTENSION OF GRADING PERMIT #1592-599 KING COUNTY, WASHINGTON

### **GENERAL NOTES**

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), KING COUNTY ROAD STANDARDS (KCRS), 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.
- 2. THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF DEVELOPMENT AND ENVIRONMENTAL SERVICES (DDES) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE BEEN OVERLOOKED OR MISSED BY THE DDES PLAN REVIEWER. ANY VARIANCE FROM ADOPTED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR TO CONSTRUCTION.
- 3. 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.)
- 4. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING WAS HELD BETWEEN KING COUNTY, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.
- 5. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 6. HOURS OF OPERATION SHALL BE LIMITED TO 7A.M. TO 7P.M. MONDAY THROUGH FRIDAY, EXCEPT THAT LOADING OF TRUCKS SHALL ME LIMITED TO 7:30A.M. TO 4:30P.M. SATURDAY HOURS ARE LIMITED TO 7:30A.M. TO 4:30P.M. FOR MAINTENANCE ONLY.
- 7. 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.
- 8. 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 KCRS CHAPTER 8 ARE SUBMITTED TO THE DDES'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO
- 9. DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DDES.
- 10. 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 ON UNION TRAFFIC CONTROL DEVICES (MUTCD) 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**

- 1. 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.)
- 2. 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.
- 3. 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.
- 4. 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, AMY 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.
- 5. 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.
- 6. 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 SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.).
- 7. 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.
- 8. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- 9. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN TWENTY—FOUR (24) HOURS FOLLOWING
- 10. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
- 11. 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 DDES FOR REVIEW.

# CONSTRUCTION SEQUENCE

- 1. PRE-CONSTRUCTION MEETING HAS ALREADY OCCURRED.
- 3. POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR.
- 4. FLAG OR STAKE CLEARING LIMITS.
- 5. SWEEP AND MAINTAIN CONSTRUCTION ENTRANCE.
- 6. MAINTAIN INFILTRATION PONDS AND ESC PROTECTION.
- 7. CLEAN AND RESTORE EXISTING ESC MEASURES (SEDIMENT PONDS, DITCHES, ETC.)
- 8. GRADE AND STABILIZE CONSTRUCTION ROADS.
- 9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- 10. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- 11. INSTALL CONSTRUCTION ENTRANCE AND/OR STRAW BALE CHECK DAMS, AS NECESSARY.
- 12. 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.
- 13. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

# 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.

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, 75 FEET SOUTH OF THE NORTHEAST CORNER THEREOF; THENCE EAST 150 FEET, MORE OR LESS, TO CENTER OF RAGING RIVER.

# LEGAL DESCRIPTION OF ENTIRE PROPERTY

<u>PARCEL A:</u> 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;

EXCEPT PORTION SOUTH OF THE FOLLOWING LINE:

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;

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, 75 FEET SOUTH OF THE NORTHEAST CORNER THEREOF; THENCE EAST 150 FEET, MORE OR LESS, TO CENTER OF RAGING RIVER;

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 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).

PARCEL C:
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
WESTERLY OF THE CENTERLINE OF RAGING RIVER AND SOUTHERLY OF THE FOLLOWING
DESCRIBED LINE:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SOUTH HALF OF THE SOUTHWEST QUARTER, DISTANT SOUTH 00°48'39" EAST 331.05 FEET FROM THE NORTHWEST CORNER OF SAID SOUTH HALF; THENCE NORTH 77°06'00" EAST 1,334.70 FEET TO A POINT ON THE EAST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 22 AND DISTANT SOUTH 75 FEET FROM THE NORTHEAST CORNER THEREOF; THENCE EASTERLY PARALLEL TO THE NORTH LINE OF SAID SOUTH HALF OF THE SOUTHWEST QUARTER AND DISTANT 75.00 FEET SOUTHERLY THEREFROM 150 FEET, MORE OR LESS, TO THE CENTERLINE OF SAID RAGING RIVER; EXCEPT NORTHERN PACIFIC RAILWAY RIGHT OF WAY AS CONVEYED TO KING COUNTY UNDER RECORDING NUMBER 8008110313; AND EXCEPT THAT PORTION WHICH MAY LIE BELOW NAVIGABLE WATER.

# DATUM

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

# **BASIS OF BEARINGS**

NOO'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

2224079011, 2224079033 AND 2224079035

# SITE ADDRESS

32715 WILLIAM CARMICHAEL ROAD FALL CITY, WA 98004

# OWNER/APPLICANT

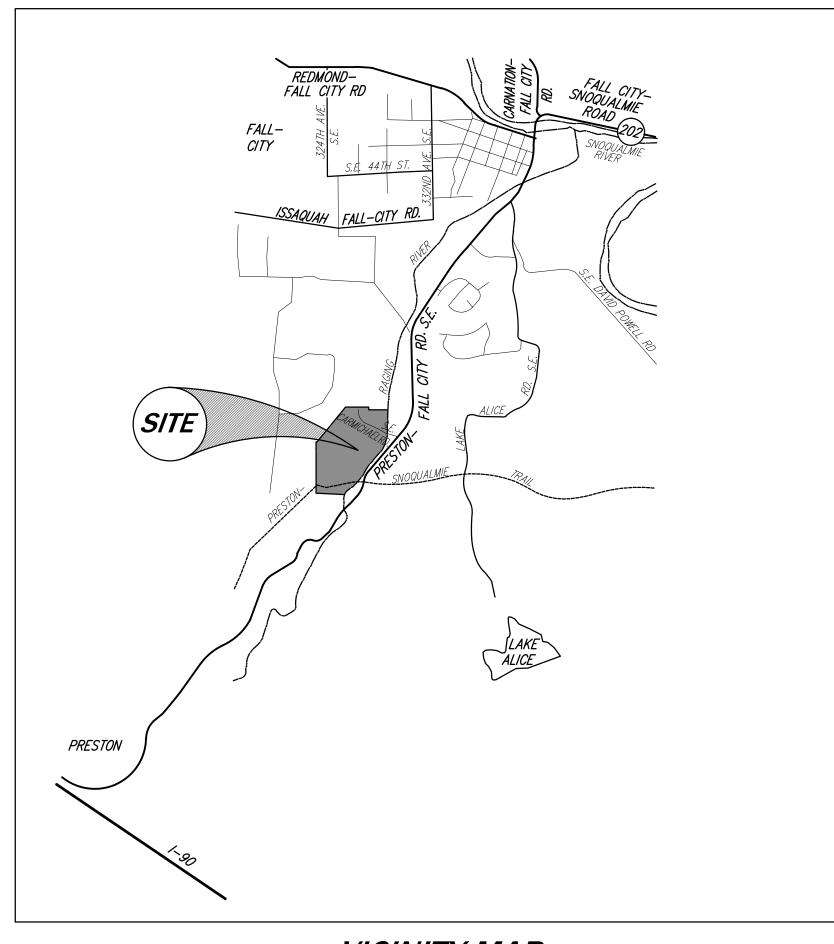
RAGING RIVER QUARRY, LLC 3132 NE HARRISON STREET ISSAQUAH, WA 98029 (425) 445—1189 CONTACT: JOHN PRIEBE

## 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

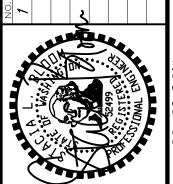
# SHEET INDEX

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



NO SCALE

1 COUNTY COMMENTS, REVISIONS TO PLAN SET 9/2



4711 NE 29th Place Suite 101 Illevue, Washington 98007 5.885.7877 Fax 425.885.7963



VER SHEET RIVER QUARRY VVER QUARRY, LLC

ERZANDEN

CNED SLB

WN SLB

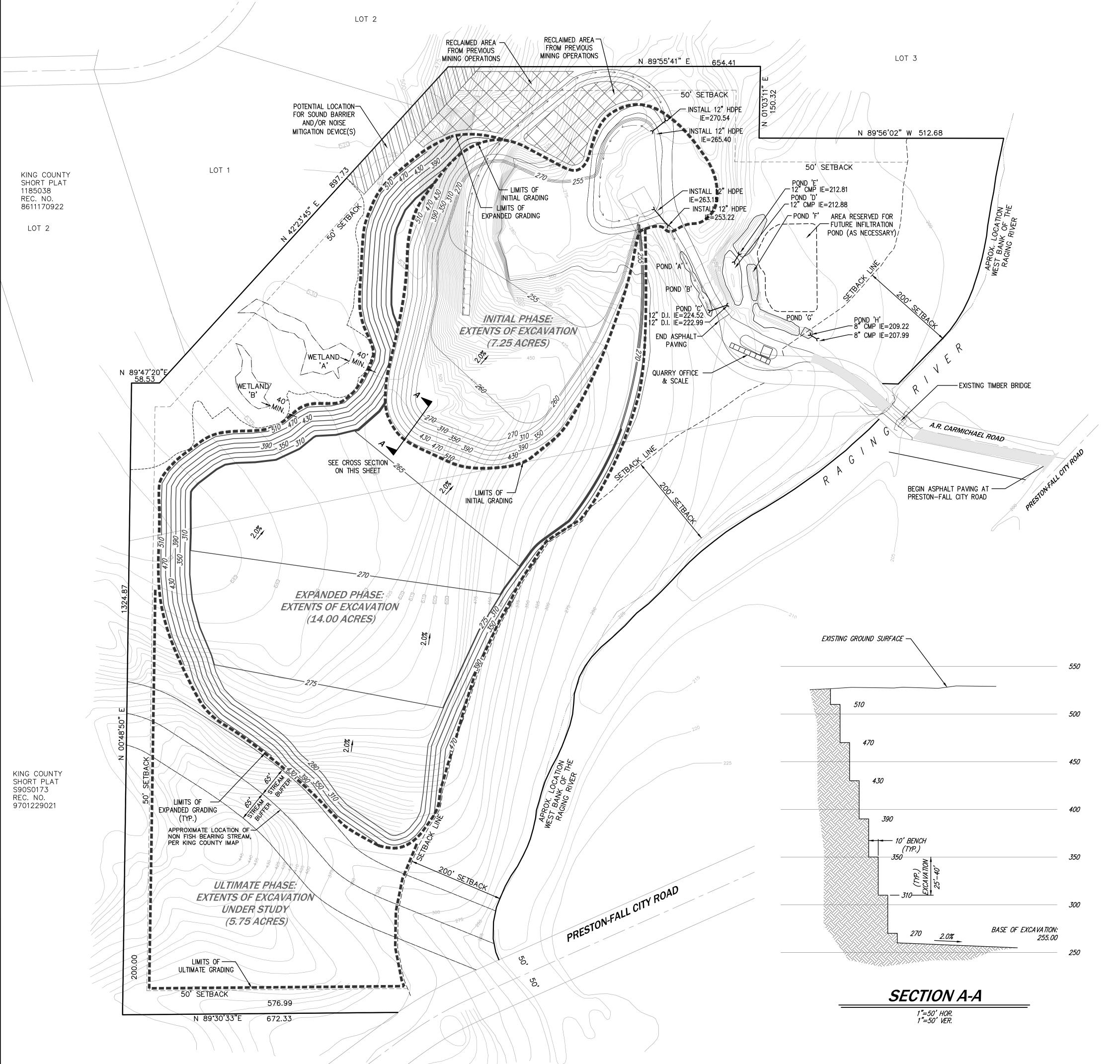
ROVED SLB

KEVIN J. VANDERZANDE

PROJECT MANAGER

C1.01

10001



# **EXCAVATION LIMITS**

INITIAL PHASE	7.25 ACRES	1,240,700 CY
EXPANDED PHASE	14.00 ACRES	4,092,500 CY
ULTIMATE PHASE	5.75 ACRES	TO BE DETERMINED
TOTAL:	27.00 ACRES	TO BE DETERMINED

# INFILTRATION PONDS- SIZING CALCULATIONS

THE INITIAL & EXPANDED PHASE AREAS ARE APPROXIMATELY 7.25 AND 14.00 ACRES, RESPECTIVELY. THESE AREAS ARE TRIBUTARY TO A SERIES OF PRESETTLING PONDS (POND 'A' — POND 'C') AND INFILTRATION PONDS (POND 'D' — POND 'H') THAT HAVE BEEN SIZED FOR PRESETTLING AND TOTAL INFILTRATION. THE RESETTLING PONDS AND INFILTRATION PONDS CAN ACCOMMODATE 32.00 ACRES OF AN OPEN MINING AREA. LIMITS OF THE OPEN MINING AREA SHALL NOT EXCEED 32.00 ACRES WITHOUT ONE OF THE FOLLOWING:

1) RECLAMATION OF MINING AREAS ON A 1:1 RATIO (ACRE: ACRE) TO LIMIT THE OPEN MINING AREA TO A TOTAL OF 32.00 ACRES, AND/OR

2) INCREASE/ADDITION OF INFILTRATION PONDS TO ACCOMMODATE THE INCREASE IN OPEN MINING AREA 3) SHOULD MINING AND STOCKPILES REQUIRE MORE INFILTRATION PONDS, AN ALTERNATIVE LOCATION HAS BEEN IDENTIFIED AND INFILTRATION RATES HAVE ALREADY BEEN TESTED.

PRESETTLING POND	<u>LENGTH: WIDTH</u>	MODELED VOLUME (CF)
A	3:1	1,458
В	3:1	1,434
С	3:1	2,136
	TOTAL	: 5,028
INFIL TRATION POND	MEASURED VOLUME (CF)	MODELED VOLUME (CF)
D	2,376	2,133
E	8,208	7,331
F	3,429	3,042
G/H	4,995	4,405
		TOTAL : 16,911

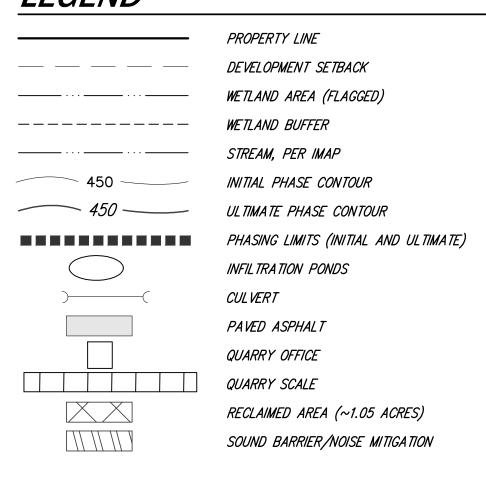
# **BUFFER AVERAGING**

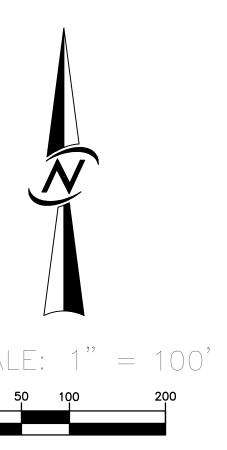
BUFFER AVERAGING HAS BEEN IMPLEMENTED IN A MANNER SUCH THAT THE ECOLOGICAL STRUCTURE AND FUNCTION OF THE RESULTING BUFFER IS EQUIVALENT TO THE STRUCTURE AND FUNCTION BEFORE AVERAGING. THE TOTAL AREA IS NOT REDUCED, THE BUFFER AREA IS CONTIGUOUS, AND AVERAGING DOES NOT REDUCE THE REQUIRED BUFFER WIDTH BY GREATER THAN 50 PERCENT.

		EX. BUFFER	EX. AREA	REDUCED AREA	ADDED AREA
ŀ	WETLAND 'A'	80' MIN.	64,050 SQFT.	9,135 SQFT.	25,650 SQFT.
	WETLAND 'B'	80' MIN.	47,870 SQFT.	13,965 SQFT.	27,535 SQFT.

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

# **LEGEND**









SHEET

*C3.01* 5 PROJECT NUMBER 10001

0030 — IF WORK IS TO BE SUSPENDED FOR 30 OF MORE CONSECUTIVE CALENDAR DAYS, PERMITTEE SHALL NOTIFY THE GRADING SECTION PRIOR TO THE CESSATION OF WORK INDICATING THEIR INTENTION TO DO SO AND ALSO PRIOR TO RESTARTING OPERATIONS.

0051 — WORK SHALL BE LIMITED TO MINING WITHIN TAX PARCEL 2224079011 PER THE APPROVED PLANS ON FILE WITH THE GRADING SECTION DATED 2—2—83. WORK WITH TAX PARCELS 2224079010 & 2224079033 SHALL BE AUTHORIZED ONLY UPON APPROVAL OF REVISED PLANS TO BE SUBMITTED BY PERMITTEE.

0080 — ALL WORK SHALL COMPLY WITH THE PROVISIONS OF KING COUNTY ORDINANCE 3139, RELATING TO NOISE CONTROL.

0096 — HOURS OF OPERATION SHALL BE LIMITED TO 7:00 A.M. TO 7:00 P.M. MONDAY THROUGH FRIDAY, EXCEPT LOADING OF TRUCKS SHALL BE LIMITED TO 7:30 A.M. TO 4:00 P.M. SATURDAY HOURS ARE LIMITED TO 8:00 A.M. TO 4:30 P.M. FOR MAINTENANCE ONLY.

0120 — PERMITTEE SHALL ABIDE BY THE REGULATIONS OF THE PUGET SOUND AIR POLLUTION CONTROL AGENCY (PSAPCA)

0140 — YOU MUST CALL 1—800—424—5555 NOT LESS THAN 48 HOURS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS (UP TO THREE TIMES THE COST OF REPAIRS TO SERVICE).

0160 — A FOREST PRACTICES PERMIT MAY BE REQUIRED BY THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR CLEARING ASSOCIATED WITH THIS PERMIT. CONTACT DNR AT (206) 825—1631 FOR INFORMATION.

0170 — A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR SURFACE WATER DISCHARGE AND/OR A TEMPORARY WATER QUALITY MODIFICATION PERMIT MAY BE REQUIRED FOR THIS PROJECT. CONTACT WASHINGTON STATE DEPARTMENT OF ECOLOGY AT (206) 649—7000 FOR INFORMATION.

0500 — A COPY OF THE APPROVED PLANS, CONDITIONS, AND PERMIT MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

0600 — NO EXTERNAL SIGNS SHALL BE PERMITTED EXCEPT THOSE AUTHORIZED BY THE KING COUNTY ZONING CODE OR AS REQUIRED BY THIS PERMIT.

1150 — THE TOPS AND THE TOES OF CUT AND FILL SLOPES SHALL BE SET BACK FROM PROPERTY BOUNDARIES AS FAR AS NECESSARY FOR SAFETY OF THE ADJACENT PROPERTIES AND TO PREVENT DAMAGE RESULTING FROM WATER RUNOFF OR SLOPE EROSION.

1160 — THE TOPS AND THE TOES OF CUT AND FILL SLOPES SHALL BE SET BACK FROM STRUCTURES AS FAR AS IS NECESSARY FOR ADEQUACY OF FOUNDATION SUPPORT AND TO PREVENT DAMAGE AS A RESULT OF WATER RUNOFF OR SLOPE EROSION.

2010 — APPROVAL OF THIS EROSION/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.)

2020 — THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE UNTIL ALL CONSTRUCTION IS APPROVED.

2030 — THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMITTEE FOR THE DURATION OF

2040 — THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT—LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. (KCC 9.04.090, KCC 9.12.025)

2110 — STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS SHALL BE INSTALLED AS THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT. (RCW 46.61.655)

2130 — WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G. ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER

2140 — WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2 INCHES.

2160 — TEMPORARY SEDIMENT CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN. TEMPORARY SEDIMENT CONTROL FACILITIES LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS SUBJECT TO APPROVAL OF THE ENGINEER AND APPLICABLE GOVERNMENTAL AGENCIES.

2170 — ALL PONDS AND DITCHES AND OTHER EROSION—SEDIMENTATION FACILITIES SHALL BE MAINTAINED IN GOOD WORKING CONDITION THROUGHOUT CONSTRUCTION.

2190 — GRASS SEEDING WILL BE DONE USING AN APPROVED HYDRO—SEEDER OR AS OTHERWISE APPROVED BY DDES. THE PERFORMANCE BOND, IF REQUIRED, WILL NOT BE RELEASED UNTIL THE GRASS IS ESTABLISHED, UNLESS OTHERWISE APPROVED BY DDES.

2200 — THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE PERMITTEE SHOULD ANTICIPATE THAT MORE SILTATION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON PURPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE MINIMUM REQUIREMENTS AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.

4010 — UPON THE EXHAUSTION OF MINERALS OR MATERIALS OR THE PERMANENT ABANDONMENT OF THE QUARRYING OR MINING OPERATION, ALL BUILDINGS, STRUCTURES, APPARATUS, OR APPURTENANCES ACCESSORY TO THE OPERATION WILL BE REMOVED OR OTHERWISE DISMANTLED TO THE SATISFACTION OF THE DIRECTOR.

4020 — ALL EXCAVATION MUST EITHER BE MADE TO A WATER PRODUCING DEPTH OR BACKFILLED AND GRADED TO ALLOW NATURAL DRAINAGE.

4050 — EXCAVATIONS SHALL BE RECLAIMED IN A MANNER WHICH WILL NOT ALLOW WATER TO COLLECT AND PERMIT STAGNANT WATER TO REMAIN. SUITABLE DRAINAGE SYSTEMS APPROVED BY THE DIRECTOR SHALL BE CONSTRUCTED OR INSTALLED IF NATURAL DRAINAGE IS NOT POSSIBLE.

4060 - WASTE OR SPOIL PILES SHALL BE LEVELED.

4110 — EXCAVATIONS NOT MADE TO A WATER-PRODUCING DEPTH SHALL BE GRADED OR BACKFILLED IN A MANNER TO ENCOURAGE THE USES PERMITTED WITHIN THE UNDERLYING ZONE CLASSIFICATION. SPECIFICALLY: A) GRADING OR BACKFILLING SHALL BE MADE WITH NON-NOXIOUS, NONFLAMMABLE, NONCOMBUSTIBLE SOLIDS; B) THE PEAKS AND DEPRESSIONS OF THE AREA SHALL BE REDUCED TO A GENTLY ROLLING TOPOGRAPHY IN SUBSTANTIAL CONFORMITY TO THE LAND AREA IMMEDIATELY SURROUNDING AND WHICH WILL MINIMIZE EROSION.

4120 — WHERE MINING IS BY OPEN PIT, BENCH, OR QUARRY METHODS, RECLAMATION SHALL BE PERFORMED IN THE FOLLOWING MANNER: A) SLOPES BETWEEN SUCCESSIVE BENCHES SHALL NOT, IN UNCONSOLIDATED MATERIAL, BE STEEPER THAN 1 AND \( \frac{1}{2}\) FOOT HORIZONTAL TO 1 FOOT VERTICAL, AND SHALL BE TOPSOILED AND REVEGETATED; B) SLOPES BETWEEN SUCCESSIVE BENCHES IN CONSOLIDATED MATERIAL SHALL HAVE NO PRESCRIBED ANGLE OF SLOPE, AND NO ATTEMPT NEED BE MADE TO RESURFACE OR PLANT; C) ALL SLOPES IN CONSOLIDATED MATERIAL SHALL BE SCALED OF LOOSE ROCK PER THE REQUIREMENTS OF MSHA; D) BENCH WIDTH AND SPACING SHALL BE AS SHOWN ON THE RECLAMATION PLAN AS MAY BE AMENDED BY KING COUNTY AND THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES.

### EXISTING GRADING PERMIT CONDITIONS (CONTINUED)

5010 - ROAD ACCESS TO SITES DEVELOPED FOR MINING OR QUARRYING OF MINERALS OR MATERIALS SHALL BE CONTROLLED BY MEANS OF A GATE. A SIGN WARNING OF HAZARDOUS CONDITIONS, IF SUCH EXIST, SHALL BE AFFIXED TO THE GATE OR PLACED IN A CONSPICUOUS MANNER NEAR THE GATE. IF THE PROPERTY HAS AN EXTERIOR BOUNDARY LINE WHICH IS A COMMON PROPERTY LINE WITH DEVELOPED R OR S CLASSIFIED PROPERTY, THEN A SOLID WALL OR FENCE NOT LESS THAN 5 FEET IN HEIGHT SHALL BE INSTALLED AND MAINTAINED. (KCC 21.42.030A)

5020 — MINING AND QUARRYING SHALL BE PERMITTED UP TO WITHIN 10 FEET OF ANY PROPERTY LINE OTHER THAN Q—M CLASSIFIED PROPERTY PROVIDED ALL PROVISIONS HEREIN SET FOURTH ARE COMPLIED WITH AND PROVIDED FURTHER THAT SUCH MINING OR QUARRYING DOES NOT IMPAIR LATERAL SUPPORT OR CAUSE EARTH MOVEMENTS OR EROSION TO EXTEND BEYOND THE EXTERIOR BOUNDARY LINES OF THE PROPERTY. STRUCTURES OR BUILDINGS SHALL NOT BE LOCATED CLOSER THAN 100 FEET TO AN R OR S PROPERTY LINE, EXCEPT WHERE THE COMMON PROPERTY LINE IS SO SITUATED AS TO CAUSE AN ELEVATION DIFFERENCE OF 50 FEET OR MORE WITHIN 100—FOOT SETBACK, AND IN SUCH CASE THE REQUIRED 100—FOOT SETBACK MAY BE REDUCED BY THE AMOUNT THE SLOPE DISTANCE EXCEEDS THE HORIZONTAL DISTANCE BUT IN NO EVENT SHALL THE STRUCTURES OR BUILDINGS BE LOCATED CLOSER THAN 50 FEET TO SAID COMMON PROPERTY LINE. OFFICE BUILDINGS, SCALE FACILITIES, EQUIPMENT STORAGE BUILDINGS, AND OTHER SIMILAR BUILDINGS OR STRUCTURES AND STOCKPILES SHALL BE EXCEPTED FROM THIS PROVISION BUT SHALL NOT BE LOCATED CLOSER THAN 20 FEET TO THE S PROPERTY LINE. (KCC 12.42.030B.)

5030 — ALL USES SHALL CONFIRM TO THE LANDSCAPING REQUIREMENTS SET FOURTH IN KCC CHAPTER 21.51. (KCC 21.42.030C)

5040 - EMISSION OF SMOKE FROM ANY SOURCE OTHER THAN HEAT PROCESSING EQUIPMENT SHALL NOT EXCEED A PERCENTAGE SMOKE DENSITY (AVERAGE SMOKE EMISSION) OF 30% EXCEPT WHEN BUILDING A NEW FIRE OR WHEN DUE TO BREAKDOWNS OF A TEMPORARY NATURE. SAID PERCENTAGE SMOKE DENSITY SHALL BE MEASURED IN CONFORMANCE WITH THE METHODS SET FORTH IN THE UNITED STATES BUREAU OR MINES PUBLICATION INFORMATION CIRCULAR 7118 ENTITLED, "RINGELMANN SMOKE CHART" EDITION OF AUGUST, 1955. CONTINUOUS READINGS AT APPROPRIATE TIME INTERVALS OF NOT LESS THAN 30 SECONDS SHALL BE MADE, AND IN NO EVENT SHALL THE AVERAGE SMOKE EMISSION BE CALCULATED FOR A DURATION OF LESS THAN 60 MINUTES. (KCC 21.42.090.)

5050 — BLASTING AND ALL OTHER ACTIVITIES SHALL BE SO CONDUCTED THAT GROUND VIBRATIONS MEASURED NEXT TO STRUCTURES OR BUILDINGS SITUATED ON ADJACENT "R" OR "S" PROPERTY DO NOT EXCEED THE MAXIMUM AMPLITUDE OF GROUND VIBRATIONS AS RELATED TO FREQUENCIES OF VIBRATIONS SET FORTH IN THE FOLLOWING TABLE: (KCC 21.47.100[A].)

מר מפטעווים
OF GROUND CHES
AN 0.0305
0.0153
0.0102
0.0076 0.0061
0.0051
C

5060 — WHERE GROUND FREQUENCY AND DISPLACEMENT CHARACTERISTICS IN RELATION TO KNOWN QUANTITIES OF DENOTED EXPLOSIVES HAVE BEEN DETERMINED BY INSTRUMENTATION, USING EITHER AN ACCELOGRAPH OR A SEISMOGRAPH, THE ALLOWABLE QUANTITY OF EXPLOSIVES USED IN RELATION TO DISTANCE MAY BE ESTABLISHED BY THE FORMULA:

2 2

(50/D) C K = 1WHERE D = DISTANCE FROM THE BLAST IN FEET C = QUANTITY OF EXPLOSIVE DETONATED INSTANTANEOUSLY IN POUNDS

K = GROUND TRANSMISSION CONSTANT THE ENERGY RATIO THUS DETERMINED SHALL NOT EXCEED 1, AND ALL MEASUREMENTS SHALL BE TAKEN AT THE

MOST CRITICAL LOCATION. (KCC 21.42.100B.)

5070 — WHEN GROUND CHARACTERISTICS FOR ANY SPECIFIC BLASTING LOCATION HAVE BEEN DETERMINED BY INSTRUMENTATION, SPECIAL EXPLOSIVES QUANTITY LIMITS FOR THAT LOCATION MAY BE APPROVED BY THE KING

COUNTY ENGINEER, IF SAID LIMITS ARE COMPUTED AND CERTIFIED BY A QUALIFIED VIBRATION MEASUREMENT

SPECIALIST. (KCC 21.42.100C.)

5080 — IN THE ABSENCE OF APPROVED METHODS OF INSTRUMENTATION TO RESTRICT VIBRATION TO THE LEVELS SPECIFIED IN THE FOREGOING TABLE, THE QUANTITY OF EXPLOSIVES USED IN BLASTING SHALL NOT EXCEED THE FOLLOWING:

QUANTITY—DISTANCF TABLE		
QUINTITY BIOTHINGE TIBLE		
MAXIMUM QUANTITY OF EXPLOSIVES		
PER SHOT FOR INSTANEOUS FIRING		
OR PER DELAY FOR DELAY FIRING,		
·		
NORMAL	ABNORMAL	
<i>OVERBURDEN</i>	OVERBURDEN (1)	
340 SEE FN (3)	70 SEE FN (4)´	
420 SEE FN (5)	78 SEE FN (6)	
<i>525</i>	100	
<i>635</i>	<i>125</i>	
<i>800</i>	<i>160</i>	
<i>950</i>	200	
<i>1175</i>	<i>245</i>	
<i>1500</i>	<i>300</i>	
<i>1830</i>	<i>360</i>	
<i>2250</i>	<i>430</i>	
<i>3500</i>	<i>610</i>	
	<i>820</i>	
	<i>1250</i>	
	1900	
	PER SHOT FOR IN.  OR PER DELAY FO.  IN POUNDS  NORMAL  OVERBURDEN  340 SEE FN (3)  420 SEE FN (5)  525  635  800  950  1175  1500  1830  2250	

FOOTNOTE (1) ABNORMAL OVERBURDEN IS THAT WHICH IS UNUSUALLY DEEP (MORE THAN 50 FEET TO BEDROCK), HAS A WATER TABLE NEAR THE SURFACE, OR IS SO COMPOSED AS TO BE SPONGY, FLEXIBLE, OR REVERBERANT.

FOOTNOTE (2) 100 FEET SHALL BE THE MINIMUM ALLOWABLE DISTANCE WHEN APPROVED MISSILE PROTECTION METHODS ARE USED.

FOOTNOTE (3) NO MORE THAN 10 POUNDS OF EXPLOSIVE MATERIAL SHALL BE PLACED IN ANY SINGLE CHARGE. FOOTNOTE (4) NO MORE THAN 5 POUNDS OF EXPLOSIVE MATERIAL SHALL BE PLACED IN ANY SINGLE CHARGE. FOOTNOTE (5) NO MORE THAN 20 POUNDS OF EXPLOSIVE MATERIAL SHALL BE PLACED IN ANY SINGLE CHARGE. FOOTNOTE (6) NO MORE THAN 8 POUNDS OF EXPLOSIVE MATERIAL SHALL BE PLACED IN ANY SINGLE CHARGE. (KCC 21.42.100D.)

5090 — MINING AND QUARRYING SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT ALLOW WATER TO COLLECT AND PERMIT STAGNANT WATER TO REMAIN IN EXCAVATIONS. (KCC 21.42.110.)

5100 — MAXIMUM ALLOWABLE DAYTIME SOUND PRESSURE LEVELS AS MEASURED NEXT TO OCCUPIED BUILDINGS OR STRUCTURES SITUATED ON ADJACENT R OR S PROPERTY SHALL NOT EXCEED THE FOLLOWING STANDARDS AT LEAST 90% OF THE TIME BETWEEN THE HOURS OF 5:00 A.M. AND 10:00 P.M.

SOUND PRESSURE LEVELS

MAXIMUM ALLOWABLE NIGHTTIME SOUND PRESSURE LEVELS AS MEASURED NEXT TO OCCUPIED BUILDINGS OR STRUCTURES SITUATED ON ADJACENT "R" OR "S" PROPERTY SHALL NOT EXCEED THE FOLLOWING STANDARDS AT LEAST 90% OF THE TIME BETWEEN HOURS OF 10:00 P.M. AND 5:00 A.M. SOUND PRESSURE LEVELS

#### EXISTING GRADING PERMIT CONDITIONS (CONTINUED)

5110 — ODORS FROM THE GASES OR OTHER ODOROUS MATTER SHALL NOT BE EMITTED IN QUANTITIES AS TO BE UNREASONABLY OFFENSIVE BEYOND THE EXTERIOR PROPERTY LINES. (KCC 21.42.060.)

5120 — TOXIC GASES AND MATTER SHALL NOT BE EMITTED IN QUANTITIES DAMAGING TO HEALTH, TO ANIMALS, VEGETATION OR PROPERTY BEYOND THE EXTERIOR PROPERTY LINES. (KCC 21.42.070.)

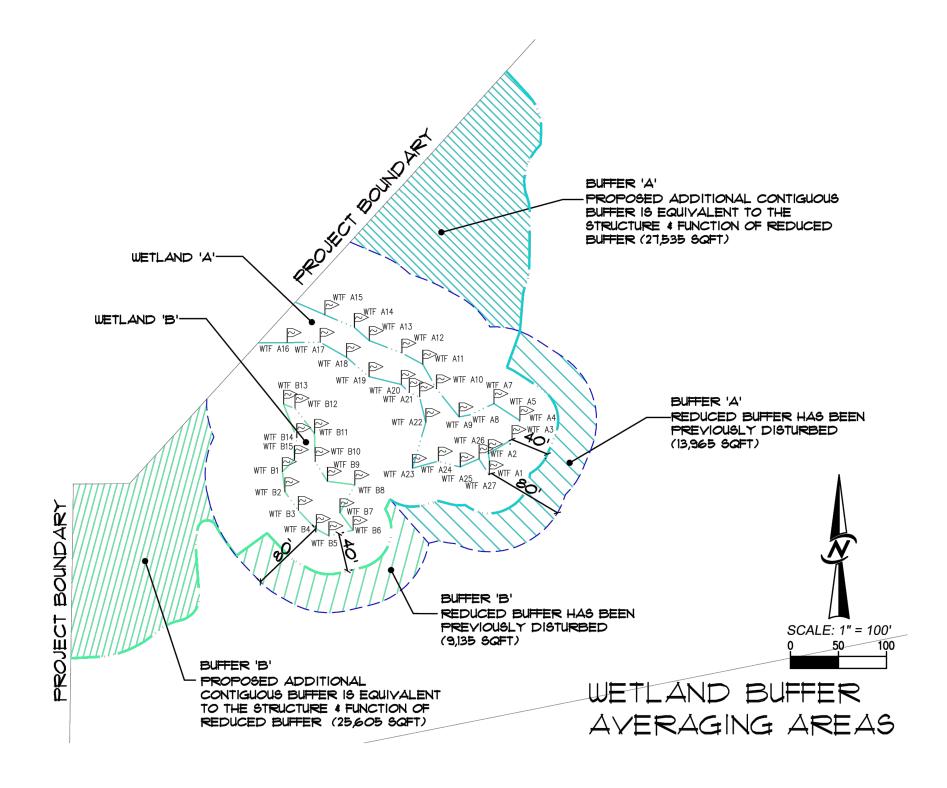
5130 — DUST, DIRT, AND FLY ASH OR AIRBORNE SOLIDS FROM ANY SOURCE SHALL NOT BE EMITTED IN QUANTITIES AS TO ADVERSELY AFFECT ADJACENT PROPERTY. (KCC 21.42.080.)

5140 — NO BUILDING OR STRUCTURE SHALL BE LOCATED CLOSER THAN 20 FEET TO PROPERTY LINES OTHER THAN R OR S ZONED PROPERTY OR TO A PUBLIC RIGHT—OF—WAY (KCC 21.42.160.), EXCEPT THAT IF ANY SUCH STRUCTURE EXCEEDS 45 FEET IN HEIGHT, IT SHOULD BE SET BACK FROM EACH PROPERTY LINE 1 FOOT ADDITIONAL FOR EACH 1 FOOT IT EXCEEDS 45 FEET.

5160 — FENCING, WHERE REQUIRED BY THE DIRECTOR, TO PROTECT LIFE, LIMB, AND PROPERTY SHALL BE INSTALLED WITH LOCKABLE GATES WHICH MUST BE CLOSED AND LOCKED WHEN NOT WORKING THE SITE. THE FENCE MUST BE NO LESS THAN 5 FEET IN HEIGHT, AND THE FENCE MATERIAL SHALL HAVE NO HORIZONTAL OPENING LARGER THAN 2

7020 — DURING HAULING OPERATIONS, PERMITTEE SHALL PROVIDE EFFECTIVE DUST CONTROL MEASURES CONSISTING OF WATER, ASPHALT TREATED BASE, CHEMICAL DUST PALLIATIVES, OR EQUIVALENT MEASURES TO CONTROL DUST FROM THE OPERATION.

7040 — PERMITTEE SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL APPROPRIATE MEASURES NEEDED (I.E. PAVING, SWEEPERS, AND/OR OTHER TECHNIQUES) TO KEEP STREETS AND ROADS USED AS HAUL ROUTES FOR EXPORT OR IMPORT OF MATERIAL CLEAN AND FREE FROM DEBRIS, MUD, ETC.



**BUFFER AVERAGING DIAGRAM** 

T COUNTY COMMENTS, REVISIONS TO PLAN SET 9/2

O9-O2-2016

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

CORPERING PLA

SHEET OF **C3.31 5** 

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