

RAGING RIVER QUARRY

APPLICATION OF EXTENSION OF GRADING PERMIT #1592-599

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 (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.
- 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 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.
- 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 DDES'S LAND USE INSPECTION SECTION THREE DAYS PRIOR TO CONSTRUCTION.
- DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DDES.
- 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 (MUTCOD) 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 DDES 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.
- INSTALL CONSTRUCTION ENTRANCE AND/OR STRAW BALE CHECK DAMS, AS NECESSARY.
- 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 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. 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°08' 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°08' 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 680.99; 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).

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 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

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

2224079011, 2224079033 AND 2224079035

SITE ADDRESS

32715 WILLIAM CARMICHAEL ROAD
FALL CITY, WA 98004

OWNER/APPLICANT

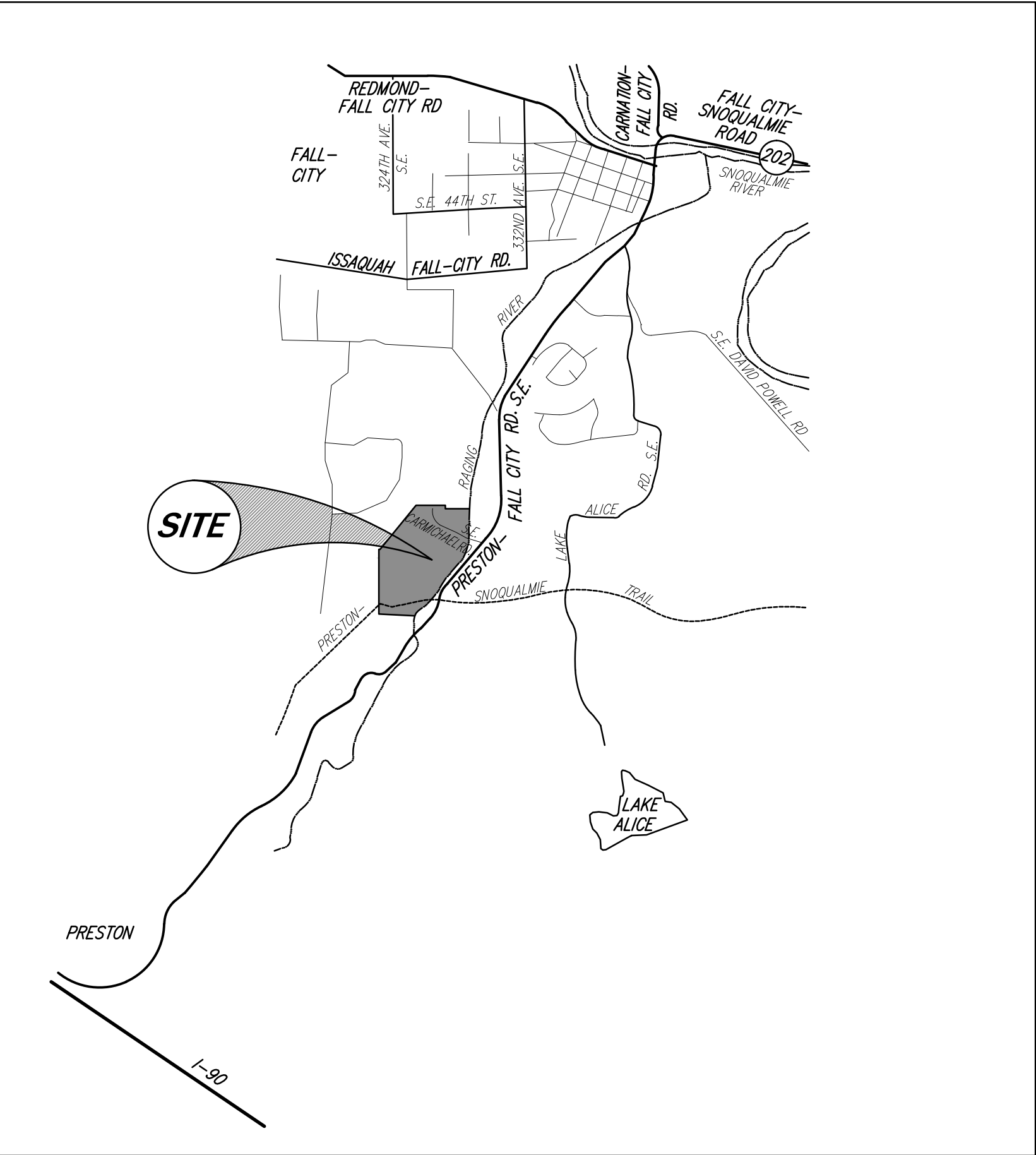
RAGING RIVER QUARRY, LLC
3132 NE HARRISON STREET
ISSAQUAH, WA 98029
(425) 445-1189
CONTACT: JOHN PRIEBE

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

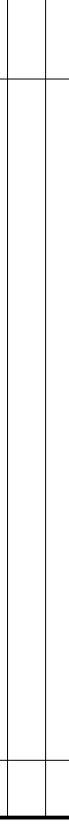

SHEET INDEX

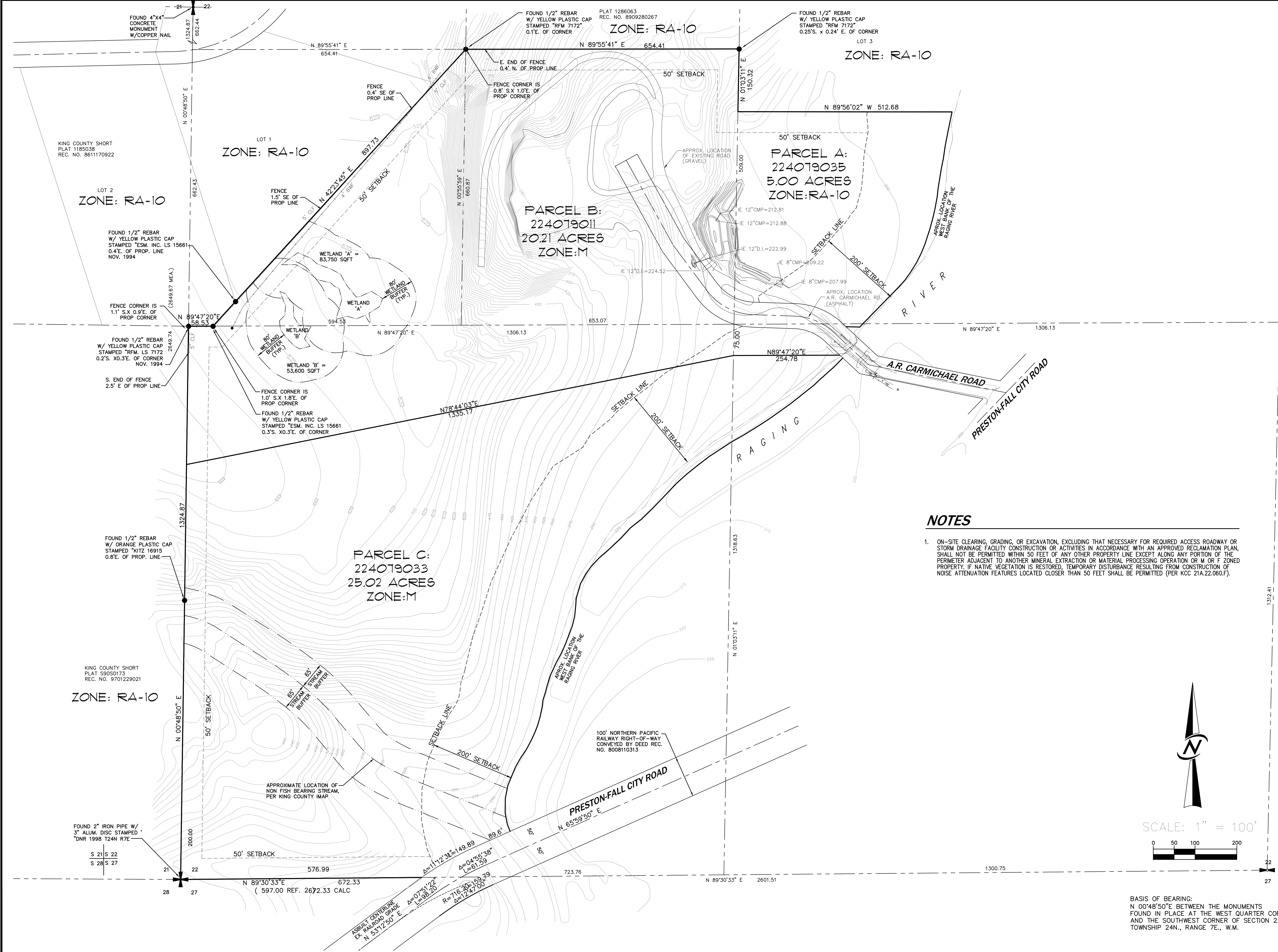
C1.01 COVER SHEET
C1.02 EXISTING CONDITION
C2.01 EROSION CONTROL PLAN
C3.01 EXCAVATION PLAN
C3.31 EXISTING PERMIT CONDITIONS



VICINITY MAP

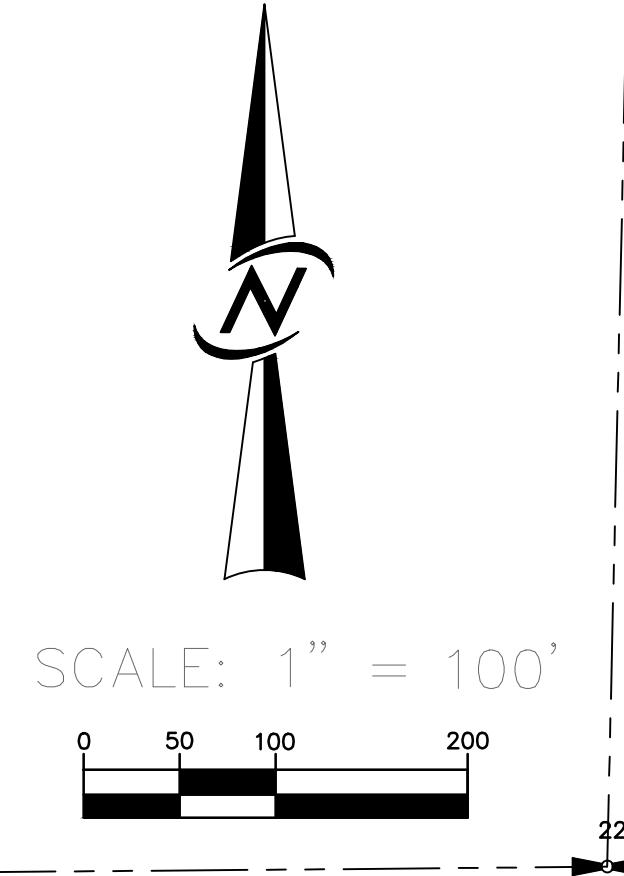
NO SCALE

PROJECT NUMBER 10001		SHEET C1.01		DATE JULY 2015		DESIGNED SLB		DRAWN SLB		APPROVED SLB		PROJECT MANAGER KEVIN J. VANDERZANDEN		OF 5													
COVER SHEET														ENGINEERING • PLANNING • SURVEYING													
RAGING RIVER QUARRY														CORE													
RAGING RIVER QUARRY, LLC														DESIGN													
3132 NE HARRISON ST ISSAQUAH, WA 98029														14711 NE 39th Place Suite 101 Bellevue, Washington 98007 425.885.7877 Fax 425.885.7963													
																											
COUNTY COMMENTS, REVISIONS TO PLAN SET														7/2/16													



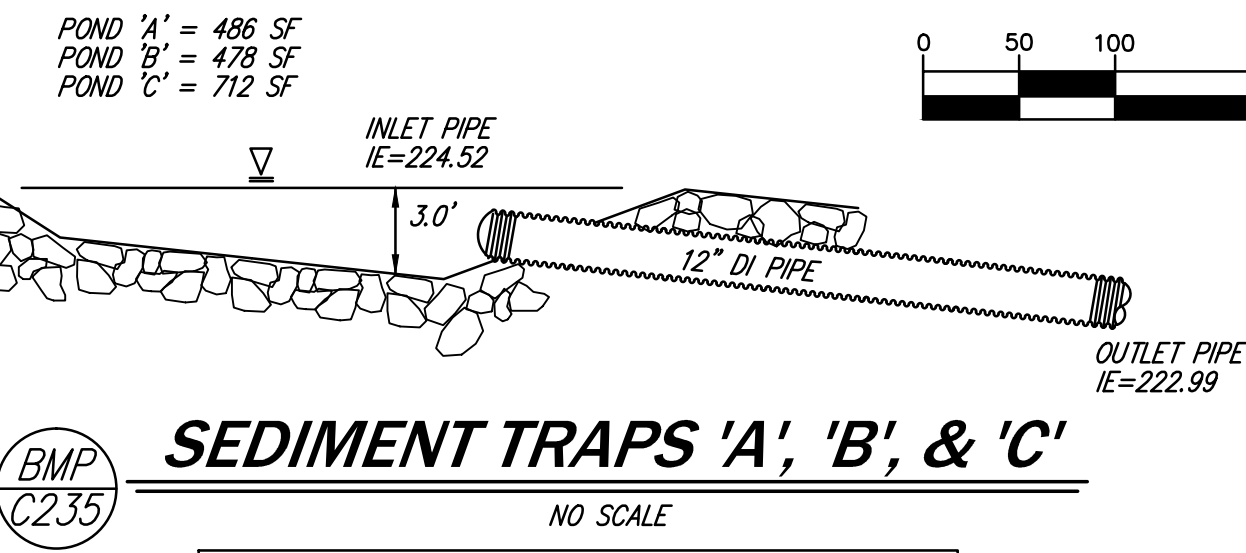
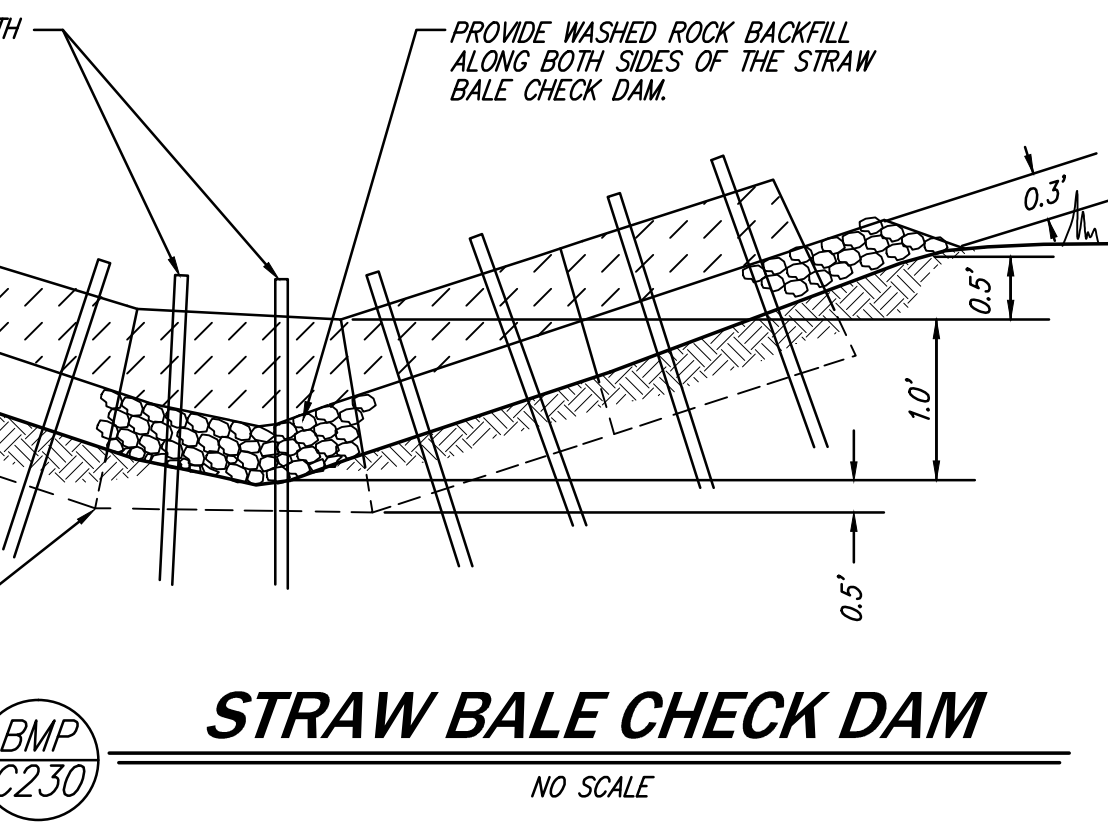
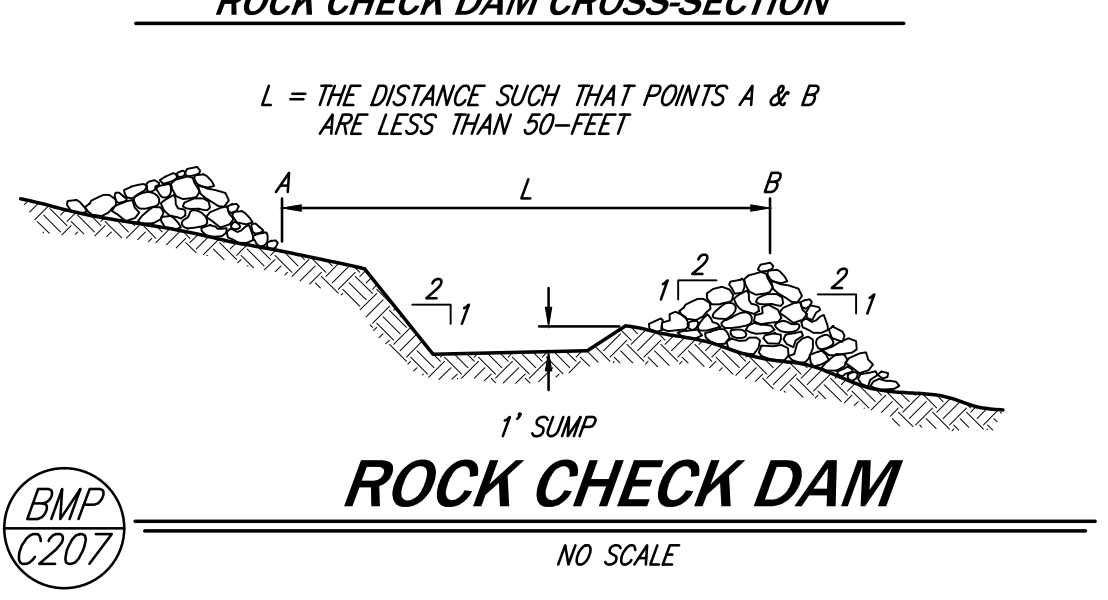
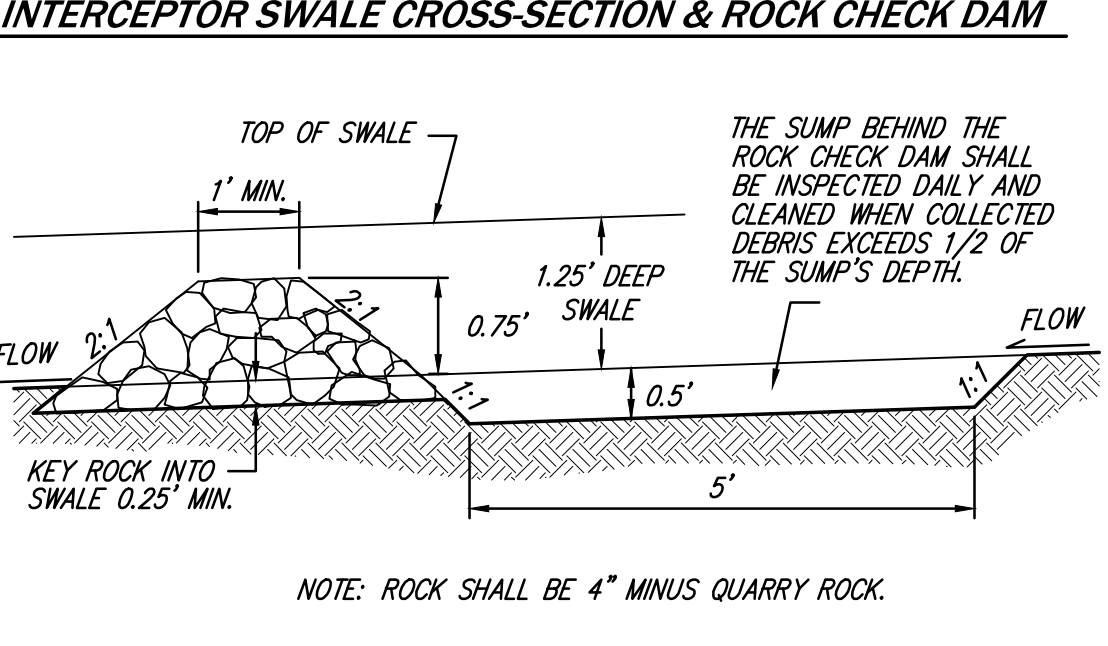
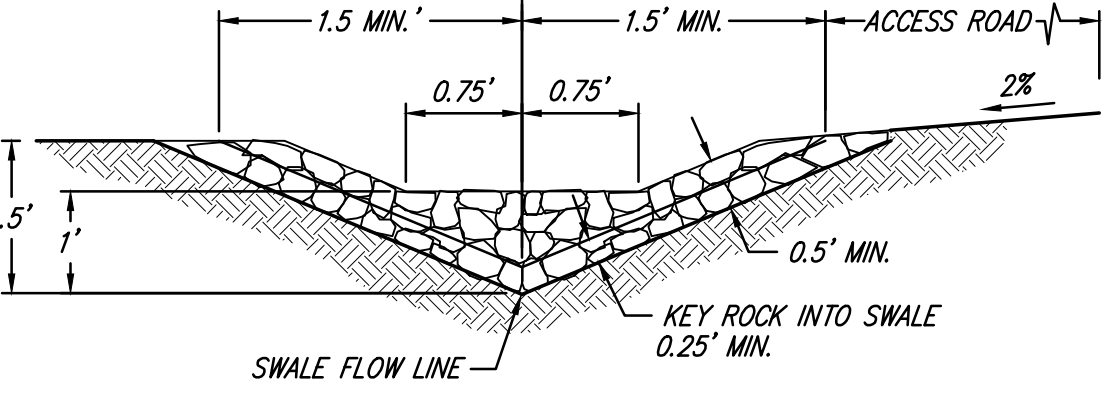
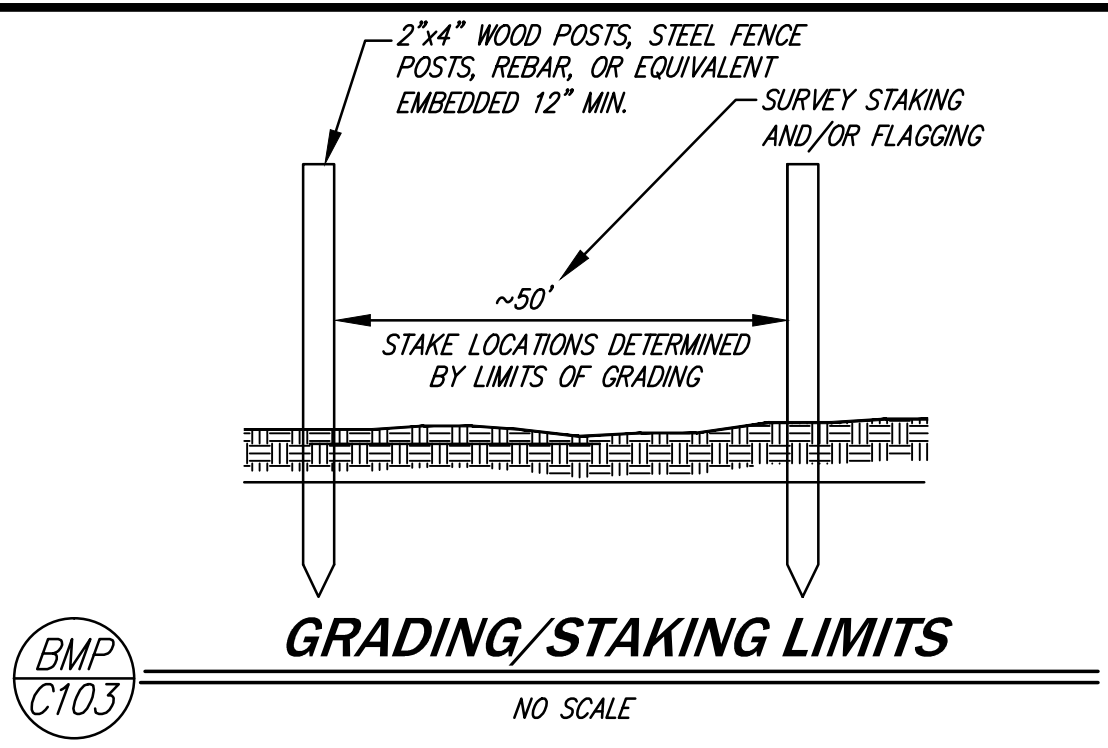
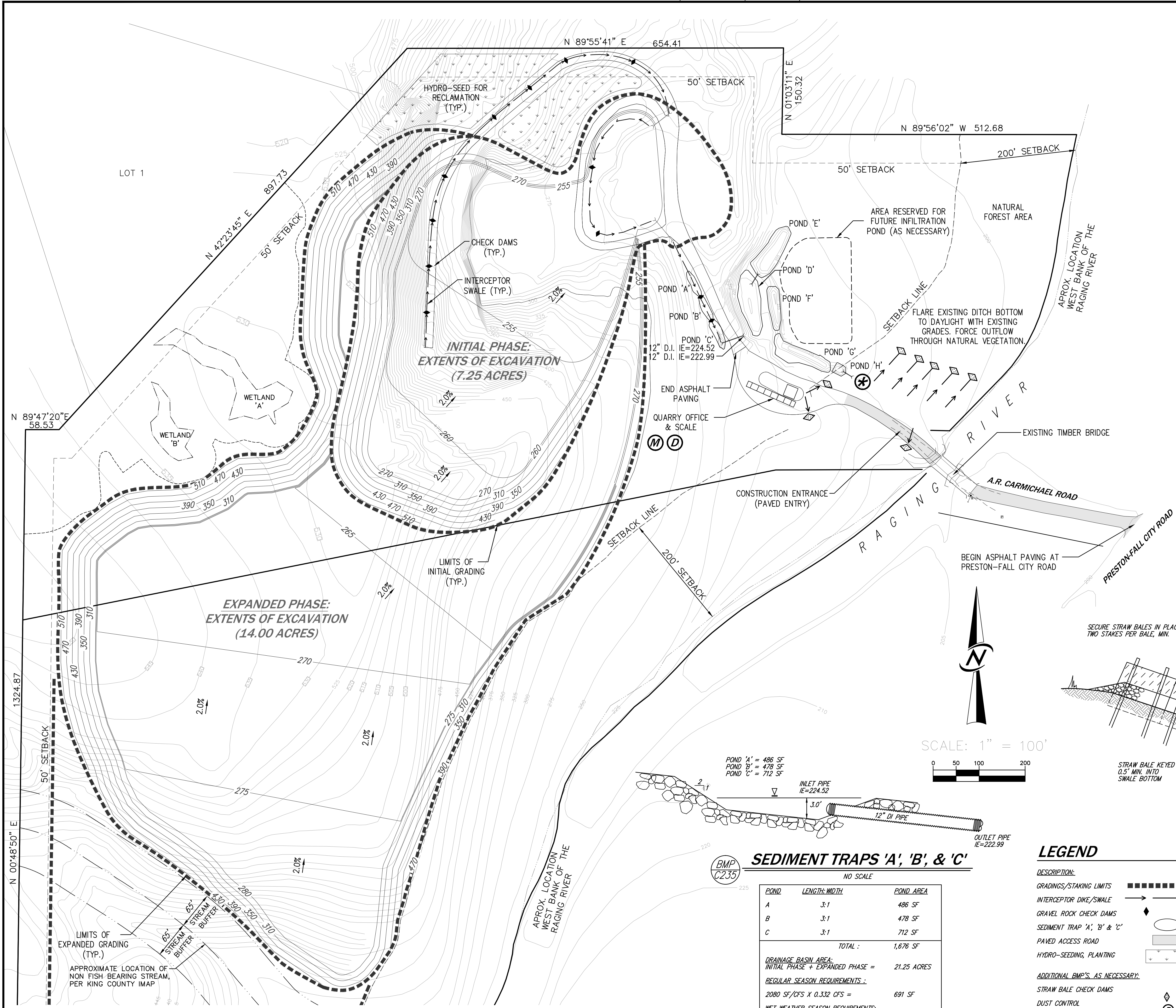
NOTES

1. ON-SITE CLEARING, GRADING, OR EXCAVATION, EXCLUDING THAT NECESSARY FOR REQUIRED ACCESS ROADWAY OR STORM DRAINAGE FACILITY CONSTRUCTION OR ACTIVITIES IN ACCORDANCE WITH AN APPROVED RECLAMATION PLAN, SHALL NOT BE PERMITTED WITHIN 50 FEET OF ANY OTHER PROPERTY LINE EXCEPT ALONG ANY PORTION OF THE PERIMETER ADJACENT TO ANOTHER MINERAL EXTRACTION OR MATERIAL PROCESSING OPERATION OR M OR F ZONED PROPERTY. IF NATIVE VEGETATION IS RESTORED, TEMPORARY DISTURBANCE RESULTING FROM CONSTRUCTION OF NOISE ATTENUATION FEATURES LOCATED CLOSER THAN 50 FEET SHALL BE PERMITTED (PER KCC 21A.22.060.F).



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.

DATE	JULY 2015	DESIGNED	SLB	DRAWN	SLB	APPROVED	SLB	PROJECT MANAGER	KEVIN J. VANDERZANDEN
EXISTING CONDITIONS RAGING RIVER QUARRY									3132 NE HARRISON ST ISSAQUAH, WA 98029
RAGING RIVER QUARRY, LLC									
ENGINEERING • PLANNING • SURVEYING									
CORE DESIGN									
14711 NE 29th Place Suite 101 Bellevue, Washington 98007 425.885.7877 Fax 425.885.7963									
COUNTY COMMENTS, REVISIONS TO PLAN SET									
REVISIONS									
DATE									
9/2/16									



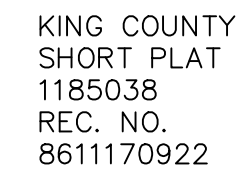
LEGEND		INTENDED PURPOSE:	STD. DETAIL:
DESCRIPTION:			
GRADINGS/STAKING LIMITS	=====	RESTRICTS GRADING TO APPROVED LIMITS	C103
INTERCEPTOR DIKE/SWALE	→→→→→	INTERCEPT RUNOFF FROM UNPROTECTED AREAS	C200
GRAVEL ROCK CHECK DAMS	◆◆◆◆◆	REDUCES VELOCITY OF CONCENTRATED FLOWS	C207
SEDIMENT TRAP 'A', 'B' & 'C'	○	REMOVES SEDIMENT FROM SEDIMENT-LADEN WATERS	C240
PAVED ACCESS ROAD	▬	REDUCES EROSION BY STABILIZING SOILS	
HYDRO-SEEDING, PLANTING	▽▽▽▽▽	REDUCES EROSION BY STABILIZING SOILS	C120
ADDITIONAL BMP'S, AS NECESSARY:			
STRAW BALE CHECK DAMS	◆◆◆◆◆	DECREASE THE VELOCITY OF SHEET FLOWS	C230
DUST CONTROL	◆◆◆◆◆	PREVENTS WIND TRANSPORT OF DUST	C140
MAINTAIN BMP'S	◆◆◆◆◆		
SAMPLING LOCATIONS	⊗		
		NOTE: STD. DWG. DETAIL PER 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON	

DATE	JULY 2015	DESIGNED	SLB	DRAWN	SLB	APPROVED	SLB	PROJECT MANAGER	KEMIN J. VANDERZANDEN
SHEET	C2.01	OF	5	PROJECT NUMBER					
10001									

14711 NE 29th Place Suite 101
Bellevue, Washington 98007
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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



INFILTRATION PONDS- SIZING CALCULATIONS

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

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.

<u>PRESETTLING POND</u>	<u>LENGTH:WIDTH</u>	<u>MODELED VOLUME (CF)</u>
A	3:1	1,458
B	3:1	1,434
C	3:1	2,136
TOTAL :		5,028

<u>INFILTRATION POND</u>	<u>MEASURED VOLUME (CF)</u>	<u>MODELED VOLUME (CF)</u>
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 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
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

PROPERTY LINE

DEVELOPMENT SETBACK

WETLAND AREA (FLAGGED)

WETLAND BUFFER

STREAM, PER IMAP

450 INITIAL PHASE CONTOUR

450 ULTIMATE PHASE CONTOUR

PHASING LIMITS (INITIAL AND ULTIMATE)

INFILTRATION PONDS

CULVERT

PAVED ASPHALT

QUARRY OFFICE

QUARRY SCALE

RECLAIMED AREA (~1.05 ACRES)

SOUND BARRIER/NOISE MITIGATION



SCALE: 1" = 100'

