

NOTES:

- INSTALLATION: THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- AGGREGATE: 4" TO 6" CRUSHED BALLAST ROCK WSDOT STANDARD SPECIFICATION 9-03.9 (1)
- ENTRANCE DIMENSIONS: THE AGGREGATE LAYER MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET.
- WASHING: IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL, THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
- MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

TEMPORARY CONSTRUCTION ENTRANCE

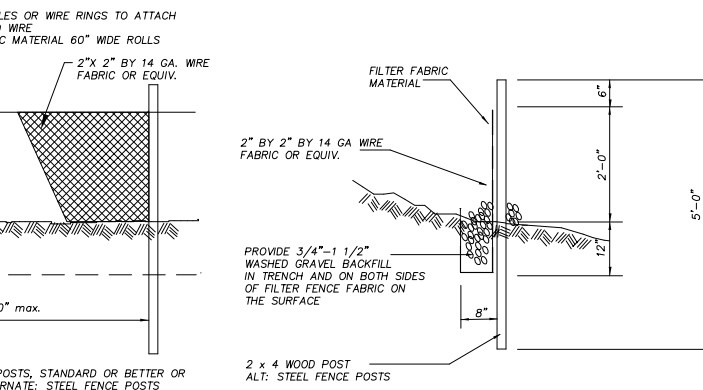
NOT TO SCALE

SOIL AMENDMENT NOTES:

- NATIVE TOP SOILS SHALL BE STRIPPED AND STOCKPILED NEAR SITE DISTURBANCE AREA TO BE REAPPLIED DURING FINAL STABILIZATION.
- FULL DESCRIPTION OF SOIL AMENDMENT OPTIONS AND PROCEDURES CAN BE FOUND IN THE APPENDIX OF THE TARGETED STORMWATER SITE PLAN DRAINAGE REPORT.
- RECEIPTS FOR ALL TOP SOIL AND/OR COMPOST IMPORTED INTO THE SITE FOR SOIL AMENDMENT SHALL BE RETAINED AND PROVIDED TO THE ENGINEER OR RECORDED UPON COMPLETION OF PROJECT FOR FINAL SOIL AMENDMENT VERIFICATION LETTER.
- SOD SHALL BE FREE OF WEEDS, OF UNIFORM THICKNESS (APPROXIMATELY 1" THICK), AND SHALL HAVE A DENSE ROOT MAT FOR MECHANICAL STRENGTH. THE FOLLOWING STEPS ARE RECOMMENDED FOR SOD INSTALLATION:
 A. SHAPE AND SMOOTH THE SURFACE TO FINAL GRADE IN ACCORDANCE WITH THE APPROVED GRADING PLAN.
 B. AMEND 2" (MINIMUM) OF WELL-ROTTED COMPOST INTO THE TOP 6" OF THE SOIL. IF THE ORGANIC CONTENT OF THE SOIL IS LESS THAN 10%, COMPOST USED SHOULD MEET ECOLOGY PUBLICATION 98-38 SPECIFICATIONS FOR GRADE A QUALITY COMPOST. THE COMPOST SHALL FIRST COME FROM THE EXISTING DUFF LAYER OF THE CLEARED AREAS. IF THE AMOUNT OF EXISTING DUFF LAYER IS INSUFFICIENT TO MEET ALL COMPOSTING NEEDS, THE COMPOST SHALL BE IMPORTED AND MEET THE ECOLOGY PUBLICATION 98-38 SPECIFICATIONS.
 C. FERTILIZE ACCORDING TO THE SUPPLIER'S RECOMMENDATIONS. DISTURBED AREAS WITHIN 200' OF WATER BODIES AND WETLANDS MUST USE A NON-PHOSPHORUS FERTILIZER.
 D. WORK LINE AND FERTILIZER 1" TO 2" INTO THE SOIL, AND SMOOTH THE SURFACE.
 E. LAY STRIPS OF SOD BEGINNING AT THE LOWEST ARE TO BE SODDED AND PERPENDICULAR TO THE DIRECTION OF WATER FLOW. NUDGE STRIPS SECURELY INTO PLACE. SQUARE THE ENDS OF EACH STRIP TO PROVIDE FOR A CLOSE, TIGHT FIT. STAGGER JOINTS AT LEAST 12". STAPLE ON THE SLOPES STEEPER THAN 3H:1V.
 F. ROLL THE SODDED AREA AND IRRIGATE.
 G. WHEN SODDING IS CARRIED OUT IN ALTERNATION STRIPS OR OTHER PATTERNS, SEED THE AREAS BETWEEN THE SOD IMMEDIATELY AFTER SODDING.

SOIL AMENDMENT LEGEND

- R** UNDISTURBED SOIL
- N** RE-APPLY NATIVE SOILS



SILT FENCE

NOT TO SCALE

GRADING QUANTITIES

CUT: 50 CU.YDS.
 FILL: 50 CU.YDS.
 (GRADING QUANTITIES ARE ROUGH CALCULATIONS WHICH DO NOT ACCOUNT FOR SOIL SWELLING & SHRINKAGE)
 EXCESS CUT MAY BE SPREAD ON SITE.
 ALL MATERIAL REMOVED FROM SITE SHALL BE HAULED TO A COUNTY APPROVED SITE.

VEGETATIVE COVER BEFORE CLEARING & GRADING:

ENTIRE SITE IS YOUNG SECOND/THIRD GROWTH FOREST.

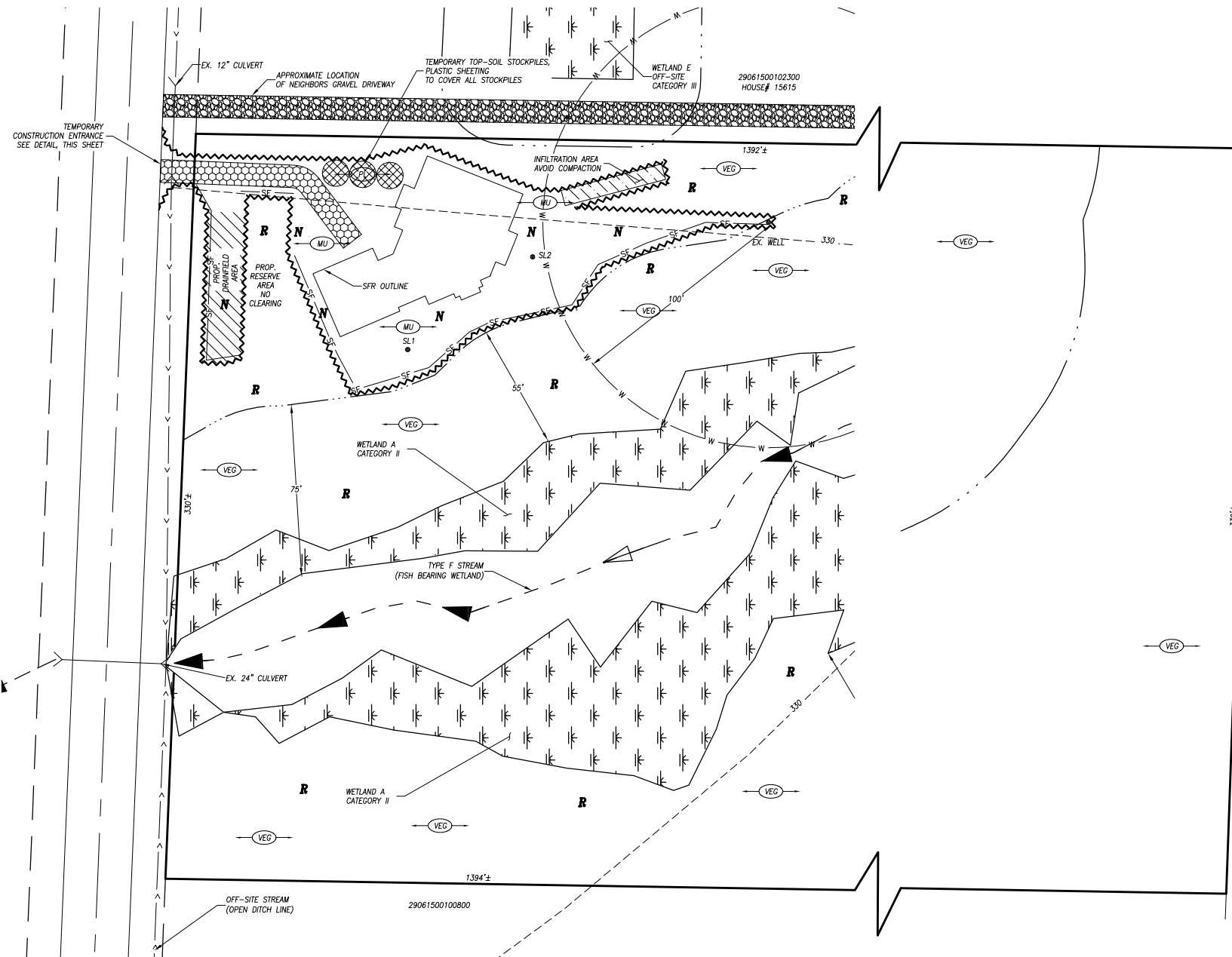
VEGETATIVE COVER AFTER CLEARING & GRADING:

ALL DISTURBED AREAS SURROUNDING CLEARED AREA WILL BE RESIDENTIAL LANDSCAPING/LAWN.
SOILS:
 TORUL GRAVELLY SANDY LOAM

UTILITY CONFLICT NOTE:

CAUTION:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BY PROTRUDING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POT-HOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF S&D UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT WESTERN ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.



VICINITY MAP
1"=2,000'

CONTOUR & SLOPE NOTE:

CONTOUR LINES SHOWN PER SNOHOMISH COUNTY AERIAL MAPPING INFO ALONG WITH VISUAL INSPECTION. SLOPES RANGE FROM 2% TO 20%.

MAP NOTE:

WETLANDS, STREAMS, AND BUFFERS WHERE LOCATED BY WETLANDS & WILDLIFE. SEE CRITICAL AREA SITE PLAN (CASP) SUBMITTED CONCURRENTLY WITH THE DRAINAGE AND LDA PLAN.

DRAINFIELD NOTE:

NO KNOWN EXISTING DRAINFIELDS WITHIN 100-FOOT OF SITE BOUNDARY LINE.

LEGEND

- EX. GRAVEL DRIVEWAYS
- EDGE OF WETLAND
- EDGE OF STREAM
- PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- CONTOURS
- TOP/TOE STEEP SLOPES
- DRAINAGE FLOW PATTERN
- SOIL LOG LOCATION AND NUMBER

T.E.S.C. LEGEND

- CLEARING LIMITS
- PLASTIC COVERING
- MULCH &/OR STRAW MATTING
- RETAIN NATIVE VEGETATION
- SILT FENCE

DEVELOPMENT DATA:

EXISTING ZONING: R-5
 TOTAL SITE (GROSS): 466,963 SQ. FT. (10.72 ACRES)
 WATER SOURCE/PURVEYOR: PRIVATE
 SEWER METHOD/OPERATOR: PRIVATE
 FIRE DISTRICT: DISTRICT NO. 8
 SCHOOL DISTRICT: SNOHOMISH SCHOOL DISTRICT NO. 207

ENGINEER/CSCL:

WESTERN ENGINEERS, INC.
 13000 HIGHWAY 99 SOUTH
 EVERETT, WA 98204
 TELEPHONE #: (425) 356-2700
 FAX #: (425) 356-2708

BIOLOGIST/CONTACT:

WETLANDS & WILDLIFE
 7721 - 153RD ST. SE
 SNOHOMISH, WA 98296
 TELEPHONE #: (425) 337-6450
 EMAIL: SCOTT@WETLANDS-WILDLIFE.COM

OWNERS OF INTEREST/ APPLICANT:

LEGAL DESCRIPTION:
 SECTION 15, TOWNSHIP 29, RANGE 06RT-2A) W/2 E/2 NW/4 NE/4 LESS ROAD
 SUBJECT TO ALL EASEMENTS, RESTRICTIONS AND RESERVATIONS.
 SITUATED IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

SOIL LOG INFO:

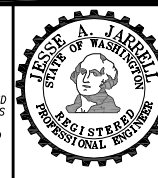
SL1
 0-7" TOP SOIL
 7-37" BROWN SANDY LOAM
 SL2
 0-5" TOP SOIL
 5-36" BROWN SANDY LOAM

CALL 48 HOURS BEFORE YOU DIG
 1-800-424-5555

SNOHOMISH COUNTY
 PLANNING AND DEVELOPMENT SERVICES
 APPROVED FOR CONSTRUCTION

BY: FOR RANDOLPH R. SLEIGHT, P.E., P.L.S.

R/W PERMIT NUMBER:



Western Engineers, Inc.
 (425) 356-2700
 SURVEYORS • PLANNERS • ENGINEERS

LAND USE CONSULTANTS
 CIVIL ENGINEERS • LAND SURVEYORS
 *** 13000 HWY 99 SOUTH • EVERETT • WA • 98204 ***

GRADING & E.S.C. PLAN FOR:

NW 1/4, NE 1/4, SEC.15, T.29N., R.6E., W.M.
 SNOHOMISH COUNTY, WASHINGTON

DRAWN BY	DATE	REV. BY	DATE	PROJECT MANAGER	SCALE
BRC	03-22-14	J. JARRELL		J. JARRELL	1"=30'
DRAWING FILE NAME	CHK. BY	F.B. NO.	JOB NO.	SHT. NO.	
141303ABASE.DWG	JAJ	-	14-1303-A	1 of 2	