





REV	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	06.21.21
2	CHANGING PERMIT	06.21.21



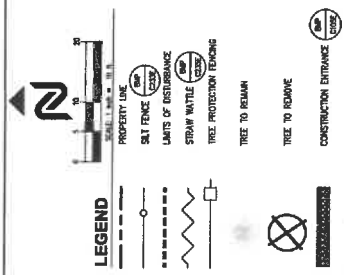
**SECTION, TOWNSHIP, RANGE**  
SECTION 16, TOWNSHIP 23  
NORTH, RANGE 11 EAST, W.M.

**PROJECT TEAM**  
DESIGNED BY: N. WERNER  
P. MAZUR  
C. CALLESON

**SHEET NAME**

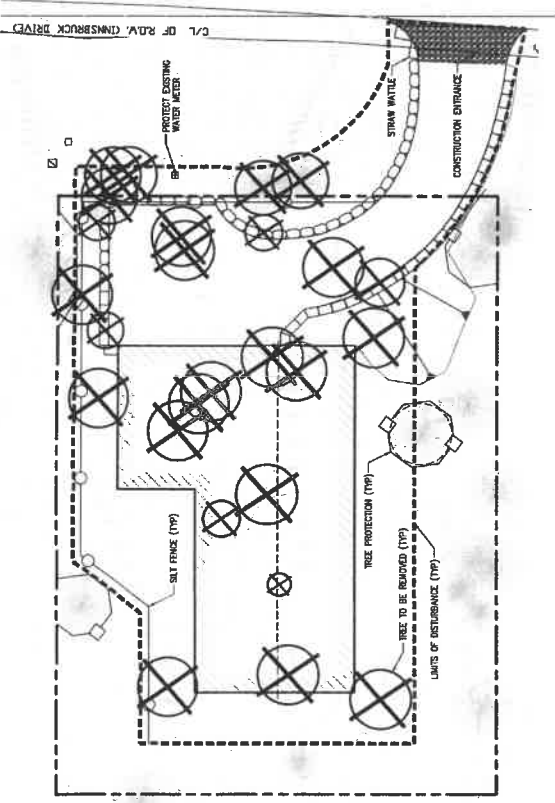
**DEMO & TESC PLAN**

**SHEET NUMBER**  
C01-01



**NOTES**

- TEMPORARY FENCING AND STRAW MATTLING SHALL BE INSTALLED AS SHOWN ABOVE AS THE INTENDED BASIS FOR STORMWATER POLLUTION PREVENTION PLANNING.
- ALL TREE BANS ARE PER WASHINGTON DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR EXISTING SUBSTANTIAL BMP RELOCATIONS NOTED IN LEGEND ABOVE.

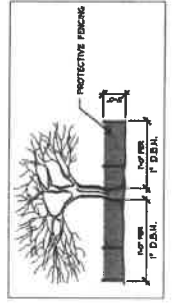


**TEMPORARY EROSION AND SEDIMENT CONTROL NOTES**

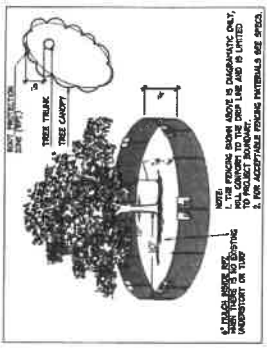
- THE DESIGNER'S DESIGN IS BASED UPON THE ENGINEER'S INVESTIGATION OF THE EXISTING CONDITIONS. THE PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE EXISTING TOPOGRAPHY PROVIDED BY THE PROJECT APPLICANT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING TOPOGRAPHY AND VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. IF CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR SHALL NOT MAKE ANY CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES WITHOUT THE WRITTEN APPROVAL OF THE DESIGNER. THE CONTRACTOR SHALL MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT.
- CAUTION - NOTICE TO CONTRACTOR: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- ALL MATERIALS AND METHODS SHALL CONFORM TO THE MOST CURRENT APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- APPROVAL OF THIS ESC PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THIS ESC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL CONSTRUCTION IS TO BE COMPLETED AND APPROVED AND MAINTENANCE/LANDSCAPING IS ESTABLISHED.
- PLEASE FOLLOW THE REQUIREMENTS OF THE ESC PLAN. THE ESC PLAN IS THE FIELD GUIDE TO CONSTRUCTION DURING THE CONSTRUCTION PERIOD. NO DISTURBANCE BEYOND THE PLACED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT FOR THE DURATION OF CONSTRUCTION.
- CONSTRUCT THE ESC BANS SHOWN ON THIS PLAN IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES. THE ESC BANS SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES. THE ESC BANS SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES. THE ESC BANS SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES. THE ESC BANS SHALL BE INSTALLED PRIOR TO ANY CLEARING OR GRADING ACTIVITIES.
- THE ESC BANS SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION PERIOD, REPAIR THESE ESC BANS AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SOIL LOSS DO NOT LEAVE THE SITE.
- THE APPLICANT SHALL INSPECT THE ESC BANS DAILY AND MAINTAIN THEM AS NECESSARY TO ENSURE THEIR EFFECTIVENESS. THE ESC BANS SHALL BE MAINTAINED AT ALL TIMES. THE ESC BANS SHALL BE MAINTAINED AT ALL TIMES. THE ESC BANS SHALL BE MAINTAINED AT ALL TIMES. THE ESC BANS SHALL BE MAINTAINED AT ALL TIMES.
- REPAIR AND MAINTAIN THE ESC BANS ON WATERSHEDS. A MINIMUM OF 48 HOURS BEFORE THE ESC BANS SHALL BE MAINTAINED WITH A 10-FOOT OR GREATER CLEARANCE INTERVAL.
- AT NO TIME SHALL THE SEDIMENT EXCEED 60 PERCENT OF THE STAMP DEPTH OR HAVE LESS THAN 6 INCHES OF CLEARANCE FROM THE SEDIMENT SURFACE TO THE INVERT OF THE LOWEST PIPE. ALL CATCH BASINS AND SEDIMENT TRAPS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LOOSE INTO THE DOWNSTREAM SYSTEM.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN 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.

**TREE PROTECTION NOTES**

- ALL TREES TO REMAIN ON SITE REQUIRE PROTECTIVE FENCING, POSTING AND REGULAR WATERING CONCURRENTLY WITH SITE CONSTRUCTION.
- PROTECTIVE FENCING CONSISTS OF 6'-0" HIGH CHAIN LINK FENCING SUPPORTED BY METAL T-POSTS AND WIRE.
- FENCE TO EXTEND FROM TRUNK ONE FOOT FOR EVERY CALIPER INCH OF TREE (MIN.), OPTIMUM DISTANCE IS TO INSTALL FENCE DIRECTLY BELOW DAP LINE OF TREE (IF POSSIBLE). FENCING SHALL BE RELOCATED AS REQUIRED THROUGHOUT THE CONSTRUCTION PHASE TO INSURE TREE SURVIVAL.
- DURING CONSTRUCTION, NO EXCESS SOIL, FILL MATERIAL, EXCESSIVE LOGS, OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE PROTECTIVE FENCING. WIP SHALL NOT BE REMOVED FROM WITHIN THE FENCING.



**ROOT PROTECTION ZONE**



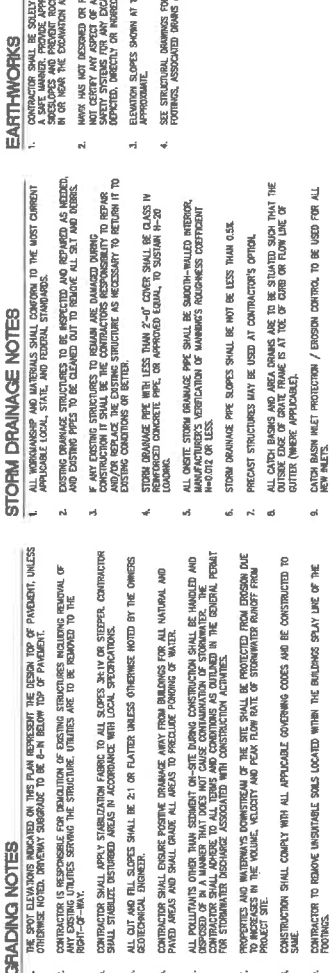
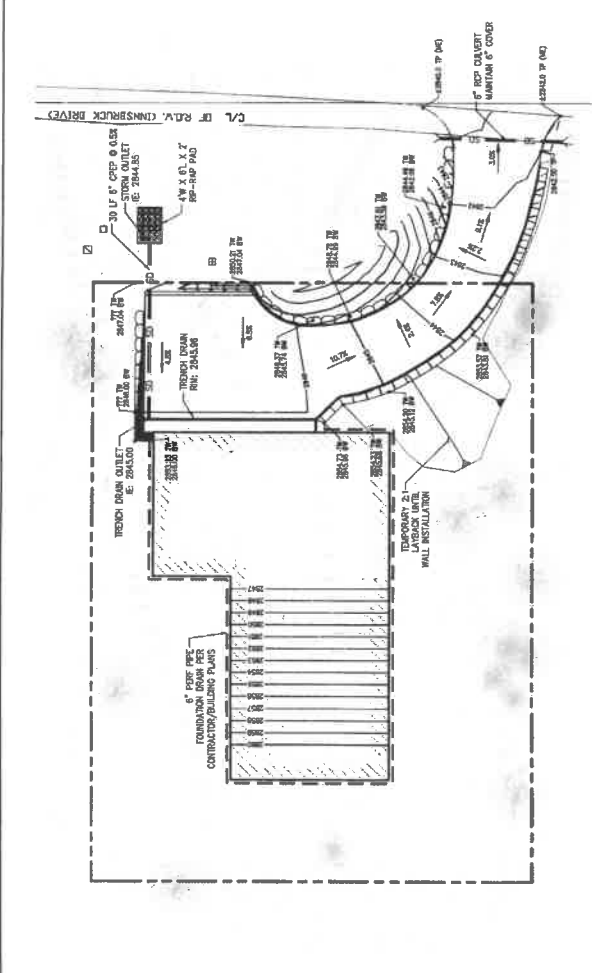
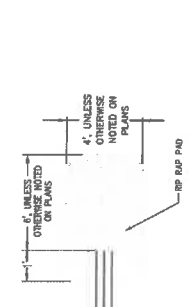
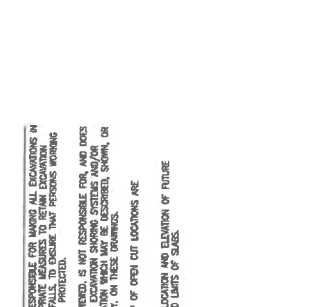
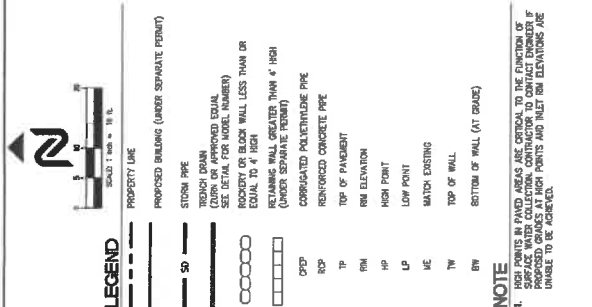
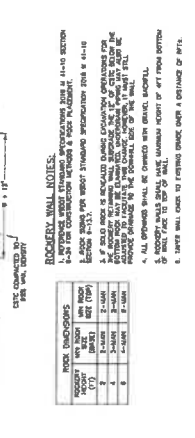
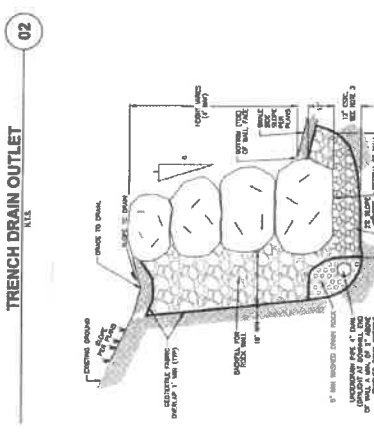
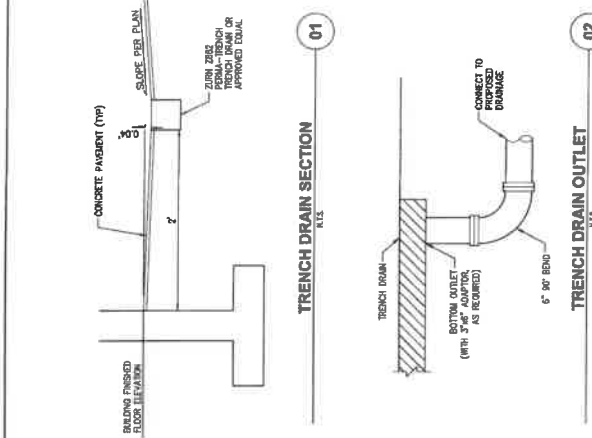
**TREE PROTECTION ZONE**

**TREE PROTECTION**

RECEIVED  
JUL 16 2021  
Kittitas County COS



REV	REVISIONS	DATE
1	ORIGINATING PERMIT	8-20-21



**GRADING NOTES**

- THE SPOT ELEVATIONS SHOWN ON THIS PLAN REPRESENT THE DESIGN TOP OF PAVEMENT, UNLESS OTHERWISE NOTED. OTHERWISE SUBGRADE TO BE 6" BELOW TOP OF PAVEMENT.
- CONTRACTOR IS RESPONSIBLE FOR REMEDIATION OF EXISTING STRUCTURES INCLUDING REMOVAL OF EXISTING CONCRETE FOUNDATIONS SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
- CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3:1 OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH LOCAL SPECIFICATIONS.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED BY THE OWNER'S GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS AND SHALL GRADE ALL AREAS TO PRECLUDE POONDING OF WATER.
- ALL POLLUTANTS OTHER THAN SEDIMENT ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND STORED IN ACCORDANCE WITH LOCAL SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN ALL LOCAL SPECIFICATIONS AND REGULATIONS FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- PROPERTIES AND WATERSHEDS DOWNSTREAM OF THE SITE SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM PROJECT SITE.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SUITE.
- CONTRACTOR TO REMOVE UNSUITABLE SOILS LOCATED WITHIN THE BUILDING'S SPILL LINE OF THE FOUNDATION.
- FINISH GRADE PLANS REFLECT POSITIVE DRAINAGE TO CATCH BASINS, CURB CUTS, RAIN STRAINERS AND OTHER DRAINAGE STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE IN PARKING LOTS, HARDSHIP AREAS, AND LANDSCAPING. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- FOR LAYOUT INFORMATION REFER TO THE ARCHITECTURAL PLAN.

**STORM DRAINAGE NOTES**

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- STORM DRAINAGE PIPE WITH LESS THAN 2'-4" COVER SHALL BE CLASS IV REINFORCED CONCRETE PIPE, OR APPROVED EQUAL, TO SUSTAIN 8-20 LOADS.
- ALL OPEN STORM DRAINAGE PIPE SHALL BE SMOOTH-WALLED INTERIOR. THE DISTRIBUTION OF MANHOLES THROUGHOUTS COORDINATED WITH-OUT OR LESS.
- STORM DRAINAGE PIPE SLOPES SHALL BE NOT BE LESS THAN 0.5%.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
- ALL CATCH BASINS AND AREA DRAINS ARE TO BE SITUATED SUCH THAT THE CUTTER WEDGE REMAINS AT TOP OF CURB OR FLOW LINE OF CUTTER (WHICH APPLICABLE).
- ALL STORM PIPE EXTERIOR CONNECTIONS SHALL BE BROUGHT TO ABOVE CONNECTION AT STRUCTURE IS WATERPROOF.
- ALL STORM PIPE EXTERIOR CONNECTIONS SHALL BE BROUGHT TO ABOVE CONNECTION AT STRUCTURE IS WATERPROOF.

**EARTH-WORKS**

- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MARKING ALL EXCAVATIONS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL STANDARDS. CONTRACTOR SHALL MAINTAIN RECORDS AND PROVIDE AS-BUILT DRAWINGS TO THE OWNER. EXCAVATIONS IN OR NEAR THE EXCAVATION ARE PROHIBITED.
- WORK HAS NOT BEEN DESIGNED OR REVIEWED, IS NOT RESPONSIBLE FOR, AND DOES NOT CERTIFY ANY ASPECT OF ANY EXCAVATION SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXCAVATION LOCATIONS, DEPTHS, DIRECTIONS, AND NEARBY UTILITIES, STRUCTURES, SHOWN, OR OTHERWISE INDICATED ON THESE DRAWINGS.
- ELEVATION SLOPES SHOWN AT TOP OF OPEN CUT LOCATIONS ARE APPROXIMATE.
- SEE STRUCTURAL DRAWINGS FOR LOCATION AND ELEVATION OF FUTURE FOOTINGS, ASSOCIATED DRAINS AND LOTS OF SLOPES.

**ROCKERY WALL NOTES:**

- ROCKERY WALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 16-14-10 SECTION 16-14-10.
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CLIENT/OWNER

NATHAN WERNER

PROJECT NAME

WERNER  
SKI CABIN

NAVIX PROJECT NUMBER: 1606001

PROJECT ADDRESS

LOT 64 HYAK ESTATES  
KITITTAS CO, WA 98068

STAMP



NO.	REVISIONS	DATE
1	GRADING PERMIT	8/1/21



SECTION, TOWNSHIP, RANGE:  
SECTION 16, TOWNSHIP 22  
NORTH, RANGE 11 EAST, W.A.

PROJECT TEAM:  
DESIGNED BY:  
C. CALLESON

SHEET NAME

GRADING &  
DRAINAGE PLAN

SHEET NUMBER

C02-02

