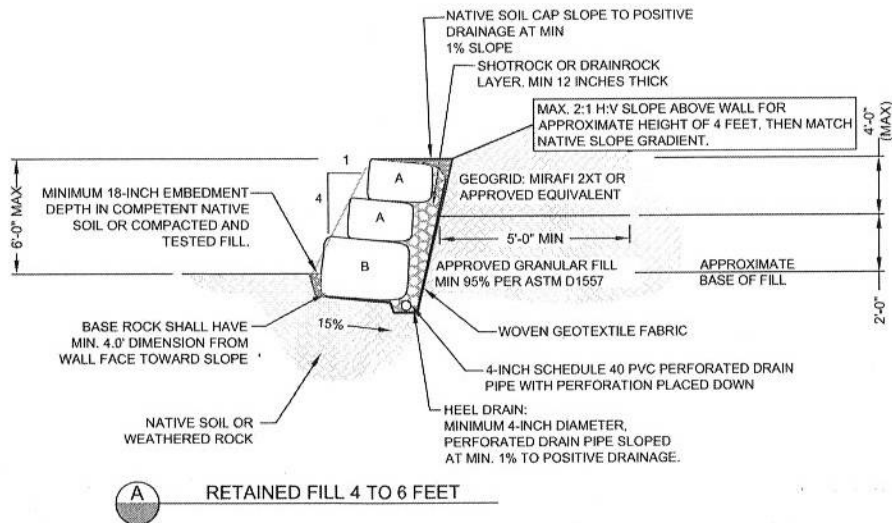


Special inspection is required and shall be performed by a California registered professional engineer. A stamped and signed letter stating that the construction of the retaining wall and its components have been built and completed in accordance with the submitted design and calculations approved by the Engineering and Surveying Division prior to the projects final completion.



**GENERAL PROJECT NOTES:**

ROCK WALL SHALL BE CONSTRUCTED BY AN EXPERIENCED ROCKERY WALL CONTRACTOR APPROVED BY THE ENGINEER.

ALL LOOSE SOIL/ROCK SHALL BE REMOVED FROM THE SLOPE FACE PRIOR TO PLACING FABRIC AND ROCK.

DRAINROCK BEDDING AND WALL BACKFILL SHALL CONSIST OF CLASS I PERMEABLE MATERIAL IN ACCORDANCE WITH CALTRANS STANDARD SECTION 68-1.025, 1992 OR BACKFILL APPROVED BY THE ENGINEER

ROCK FACING SHALL CONSIST OF ROCK SIZE SPECIFIED ON THE PLANS AND CONFORM TO CALTRANS STANDARD SECTION 72-2.01, WITH METHOD "A" PLACEMENT. CHINKING WILL BE REQUIRED WHERE VOIDS BETWEEN ROCKS ARE GREATER THAN 6 INCHES.

ROCK SHALL BE WELL INDURATED WITH NO FRACTURES.

**FOUNDATION PREPARATION:**

BASE KEY SHALL BE EXCAVATED TO A MINIMUM DEPTH SHOWN ON DETAILS INTO RELATIVELY UNDISTURBED NATIVE SOIL/ROCK OR COMPACTED FILL TESTED AND APPROVED BY NV5.

BASE OF KEY SHALL BE INCLINED INTO THE NATIVE SLOPE AT AN APPROXIMATE GRADIENT OF 15 PERCENT (8.5 DEGREES).

BASE KEY EXCAVATION SHALL BE OBSERVED BY A REPRESENTATIVE OF NV5 PRIOR TO DRAIN CONSTRUCTION AND ROCK PLACEMENT.

HEEL DRAIN PIPE SHALL CONSIST OF MINIMUM 4-INCH DIAMETER PERFORATED PIPE SLOPED AT A MINIMUM GRADIENT OF 1% TO POSITIVE DRAINAGE.

**FILL PLACEMENT:**

BASE OF FILL SLOPE SHALL BE BENCHED BACK INTO EXISTING SLOPE. UPPER 6 INCHES OF NATIVE SOIL TO RECEIVE FILL SHALL BE SCARIFIED AND RECOMPACTED TO AT LEAST 95% OF MAX DRY DENSITY PER ASTM D 1557. APPROVED GRANULAR FILL SHALL BE COMPACTED TO AT LEAST 95% OF MAX DRY DENSITY PER ASTM D 1557 IN OUTER 10 FEET OF FILL. GEOGRID (MIRAFI 2XT OR APPROVED EQUAL) SHALL BE PLACED AS SHOWN WITH A MINIMUM 18-INCH OVERLAP. NO SEAMS SHOULD BE PLACED PARALLEL TO THE SLOPE FACE.

FILL SLOPES SHALL BE OVERFILLED AND CUT BACK TO THE APPROPRIATE GRADIENT.

**ROCK PLACEMENT:**

BASE COURSE SHALL BE PLACED ON COMPETENT NATIVE SOIL/ROCK

FOR THIS PROJECT, ROCK PLACED IN BASE COURSE SHALL HAVE A MINIMUM WIDTH SHOWN ON DETAILS, AS MEASURED FROM THE WALL FACE TOWARD THE RETAINED SLOPE. WHERE TOTAL WALL HEIGHTS EXCEED 5 FEET, TWO ROWS OF ROCK MAY BE PLACED IN BASE COURSE AS NECESSARY TO MEET MINIMUM WIDTH.

ROCKS SHALL BE PLACED SUCH THAT JOINTS BETWEEN ROCKS ON OVERLYING COURSES ARE DISCONTINUOUS.

SMALLER ROCK (MIN. 12 INCHES IN WIDTH) MAY BE PLACED ON TOP COURSE WHERE WALL HEIGHT IS LESS THAN SHOWN ON DRAWING CROSS SECTION.

ROCK SHALL BE PLACED UNDER PERIODIC OBSERVATION OF A REPRESENTATIVE OF NV5.

WHERE THE PROPOSED WALL ALIGNMENT INTERSECTS DRAINAGE SWALES, SURFACE WATER DRAINAGE FROM ABOVE THE ROCK WALL SHALL BE COLLECTED IN A VOITCH OR SIMILAR CONVEYANCE AND DIRECTED AWAY FROM THE WALL.

ROCK WALL MAINTENANCE INCLUDES PERIODIC INSPECTION AND ROCK REPLACEMENT. WALLS SHALL BE LOCATED SUCH THAT CONTRACTOR HAS ACCESS TO ALLOW MAINTENANCE.

**APPROXIMATE ROCK DIMENSIONS**

2 FEET	NOMINAL WIDTH	WEIGHT (TONS)
A	2 FEET	1 - 2
B	3 FEET	2 - 4
C	4 FEET	4 - 5

NOTE:  
NOMINAL WIDTH AS MEASURED FROM WALL FACE TOWARD RETAINED SLOPE.

**RECORD DRAWINGS**  
DATE \_\_\_\_\_ ENGINEER INITIAL \_\_\_\_\_

**ROCKERY WALL DETAIL**  
ROSEVILLE, CALIFORNIA

DRAWN BY:	WAL	FIGURE	1
CHECKED BY:	CRK		
NV5 PROJECT:	5505.00		
DATE:	FEBRUARY 2022		