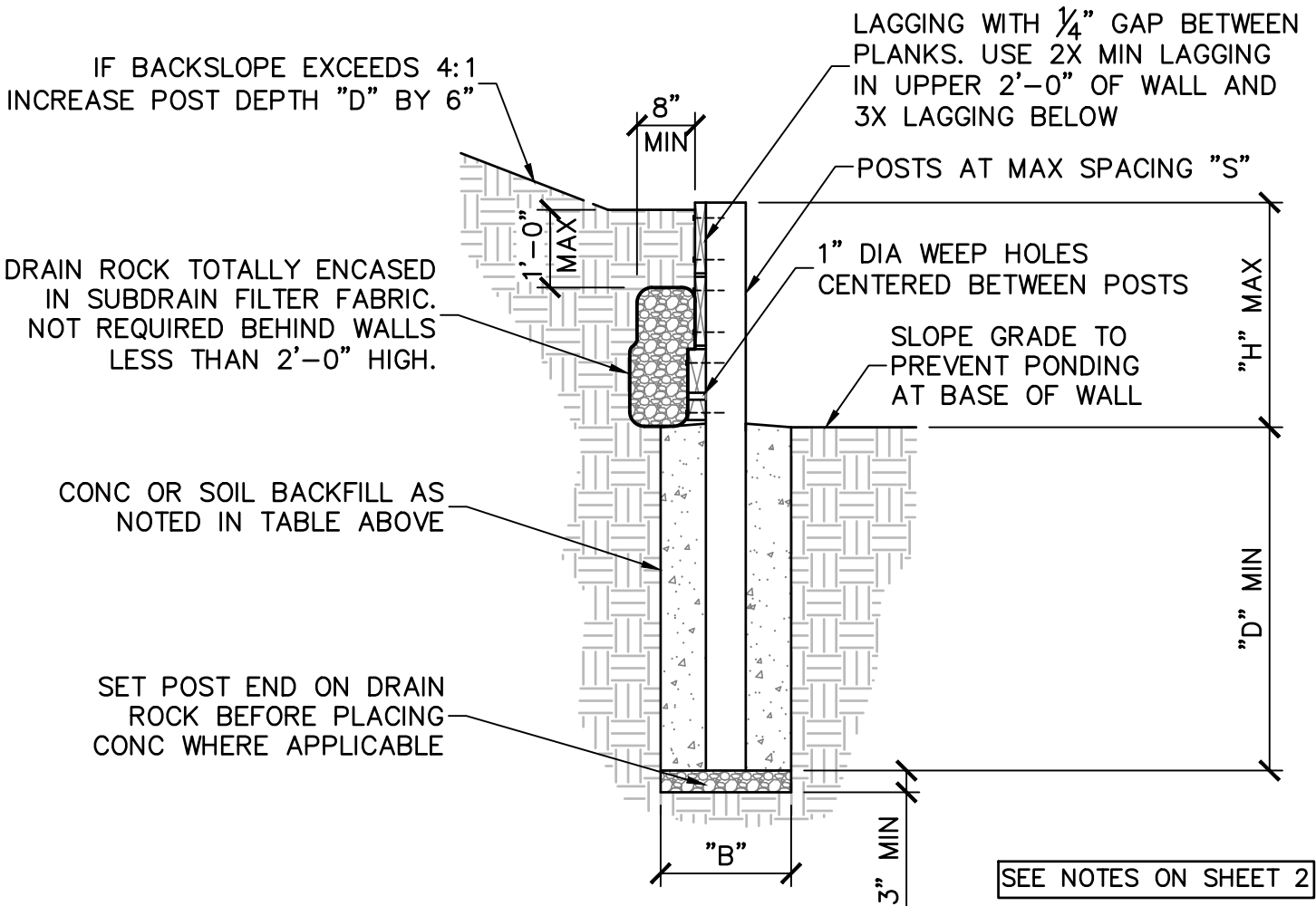


WOOD RETAINING WALL POST SIZE AND SPACING TABLE					
HEIGHT "H"	SPACING "S"	NOMINAL SIZE	HOLE DIA "B"	DEPTH "D"	BACKFILL MATERIAL
1'-0"	6'-0"	6x6	12"±	2'-9"	SOIL
	6'-0"	4x4	12"	2'-3"	CONC
1'-6"	4'-0"	6x6	12"±	3'-4"	SOIL
	4'-0"	4x4	12"	2'-9"	CONC
	6'-0"	4x4	12"	3'-4"	CONC
	6'-0"	4x4	18"	2'-9"	CONC
2'-0"	4'-0"	4x4	12"	3'-8"	CONC
	6'-0"	4x4	18"	3'-8"	CONC
	6'-0"	4x4	24"	3'-3"	CONC
2'-6"	4'-6"	6x6	18"	4'-0"	CONC
	6'-0"	6x6	24"	4'-0"	CONC

MINIMUM POST SPACING IS 3 TIMES THE HOLE DIA "B"
 MINIMUM HOLE DIA IS 18" FOR 6x6 POST IN CONC



WOOD RETAINING WALL

REVIEWED BY THE PARK STANDARDS COMMITTEE, AND APPROVED BY THE CHIEF OF DESIGN & CONSTRUCTION

[Signature]

07/26/2023

EAST BAY REGIONAL PARK DISTRICT - STANDARD PLANS

STD PLAN
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 SHEET 1 OF 2
 NOT TO SCALE

GENERAL

1. DO NOT USE WOOD RETAINING WALLS TO SUPPORT ROADS, BUILDINGS, FENCES OR OTHER STRUCTURES; AND DO NOT USE WHERE POSTS ARE INSTALLED IN SATURATED, LOOSE OR FILL SOILS.

MATERIALS

2. POSTS TO BE ROUGH DIMENSION DOUGLAS FIR #2 OR BETTER FREE OF HEART CENTER.
3. LAGGING TO BE DOUGLAS FIR #2 OR BETTER, ROUGH OR S4S. EACH LAGGING MEMBER SHALL BE BETWEEN 8" AND 12" NOMINAL IN DEPTH. DO NOT RIP INDIVIDUAL MEMBERS TO A DEPTH LESS THAN 7".
4. POSTS AND LAGGING TO BE PRESSURE TREATED PER THE AMERICAN WOOD PROTECTION ASSOCIATION (AWPA) CA-B WITH 0.21 PCF RETENTION OR ACQ WITH 0.40 PCF RETENTION.
5. CONCRETE TO BE COMMERCIAL 5-SACK PRE-MIX CONCRETE OR EQUIVALENT.
6. CONNECT EACH LAGGING PLANK TO EACH POST WITH TWO (2) $\frac{3}{8}$ " ϕ CARRIAGE BOLTS OR LAG SCREWS WITH WASHERS. USE HOT-DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS ONLY.
7. DRAIN ROCK TO BE $\frac{3}{4}$ " CLEAN UNGRADED WASHED GRAVEL OR CRUSHED ROCK.
8. SUBDRAIN FILTER FABRIC TO BE TENCATE GEOSYNTHETICS MIRAFI 140N ([HTTPS://WWW.TENCATEGEO.US/EN-US/](https://www.tencategeo.us/en-us/)), US FABRICS 120NW ([HTTPS://WWW.USFABRICSINC.COM](https://www.usfabricsinc.com)), OR EQUAL.

WORKMANSHIP

9. LOCATE UNDERGROUND UTILITIES PRIOR TO DIGGING. CALL USA (UNDERGROUND SERVICE ALERT) 1-800-277-2600, MON THRU FRI 6AM TO 7PM, A MINIMUM 2 WORKING DAYS WITH A MAXIMUM 14 CALENDAR DAYS, TO OBTAIN A TICKET. CONTACT THE DISTRICT INSPECTOR OR PARK SUPERVISOR FOR DISTRICT UTILITIES NOT LOCATED BY USA.
10. TREATMENT OF FIELD CUTS AND DRILLED HOLES IN PRESSURE TREATED WOOD: CUT ENDS SHALL BE SPRAYED OR COATED LIBERALLY (MINIMUM 2 FULL BRUSH COATS) WITH COPPER NAPHTHENATE SOLUTION. DRILLED HOLES SHALL BE DIPPED FOR THREE MINUTES WHERE POSSIBLE, AND WHERE NOT POSSIBLE, SWABBED LIBERALLY SO AS TO PROVIDE EQUIVALENT TREATMENT THROUGHOUT THE LENGTH OF THE HOLE.
11. SECURE EACH POST PLUMB AT CENTER OF POST HOLE PRIOR TO PLACING CONCRETE OR SOIL BACKFILL. DO NOT ALLOW POSTS TO MOVE DURING INSTALLATION OR CURING.
12. WHERE NATIVE SOIL IS USED FOR BACKFILLING, REMOVE ALL ROCKS AND CLODS GREATER THAN 1.5" THEN COMPACT IN LIFTS OF 6".



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SHEET **2** OF **2**

NOT TO SCALE