

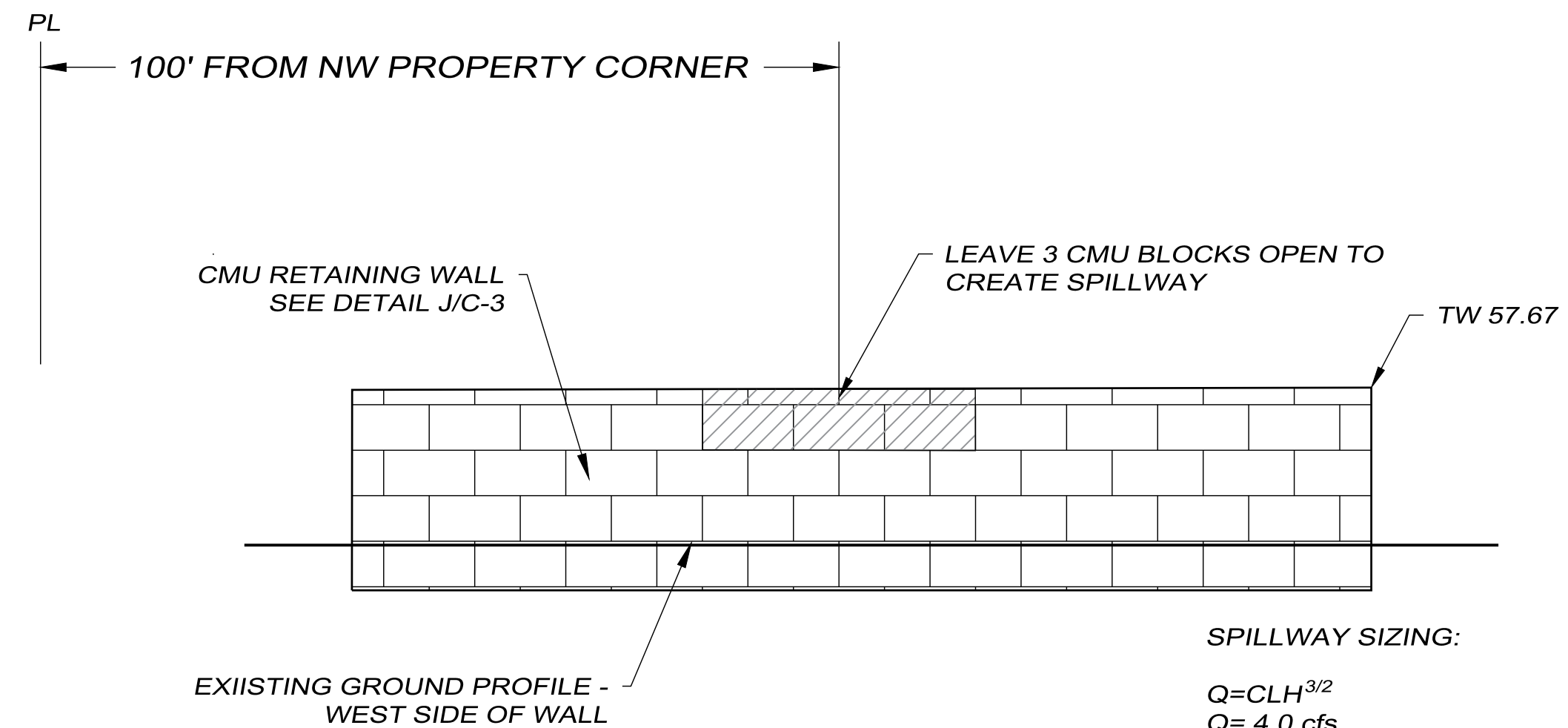
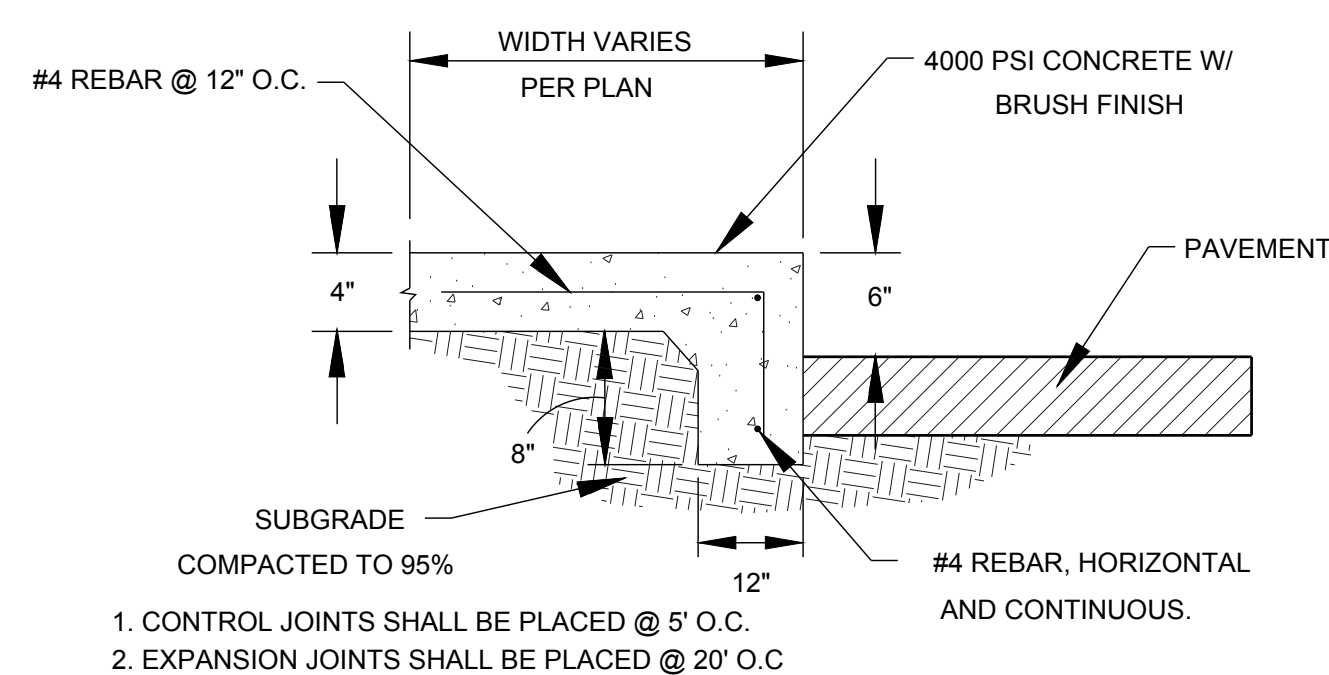
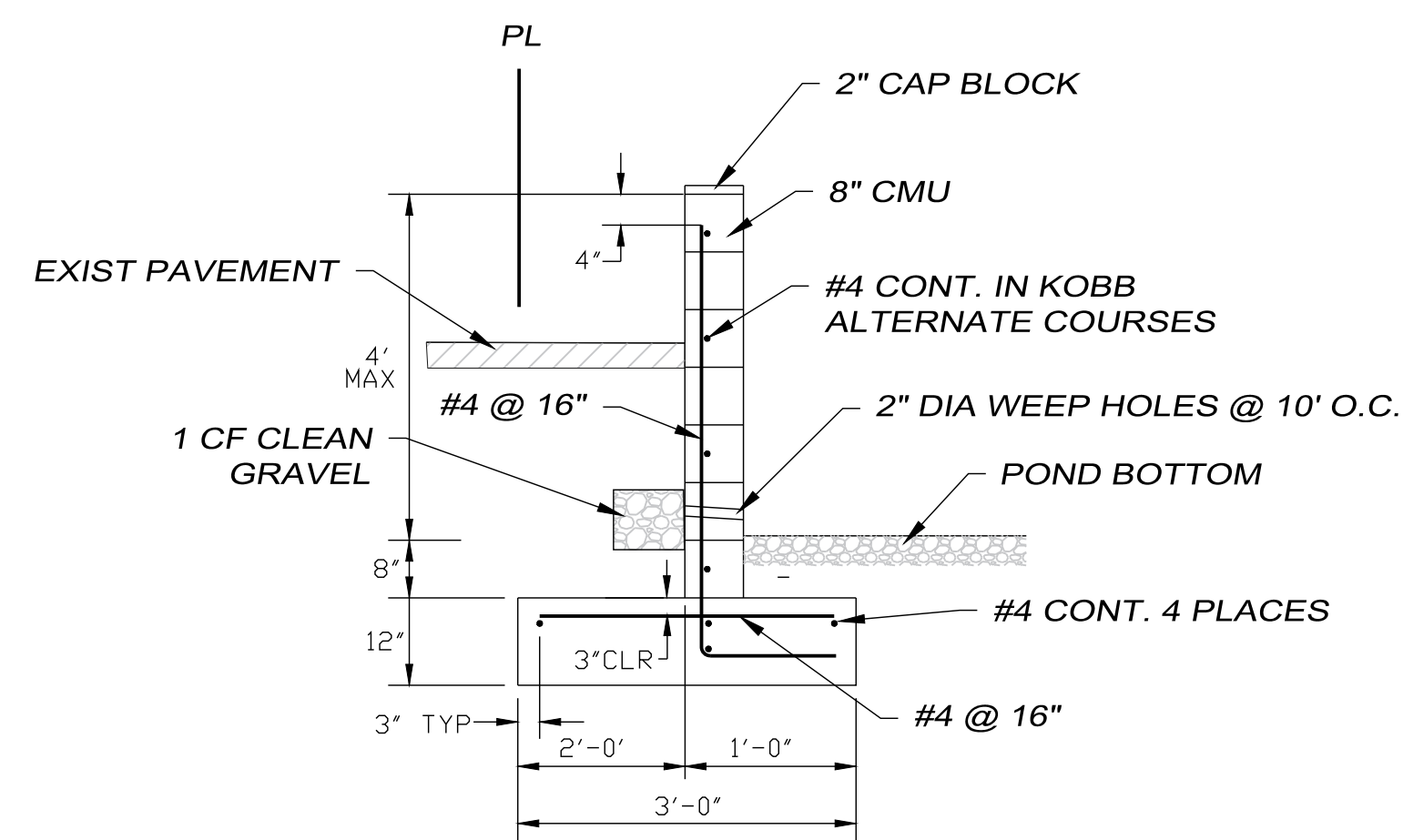
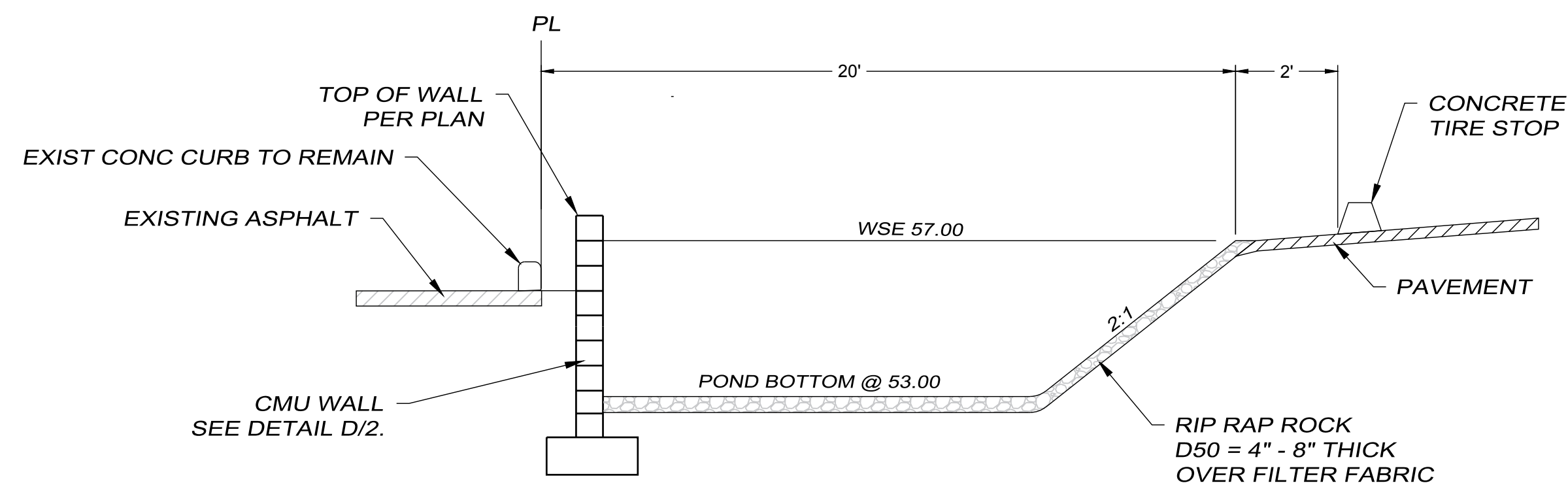
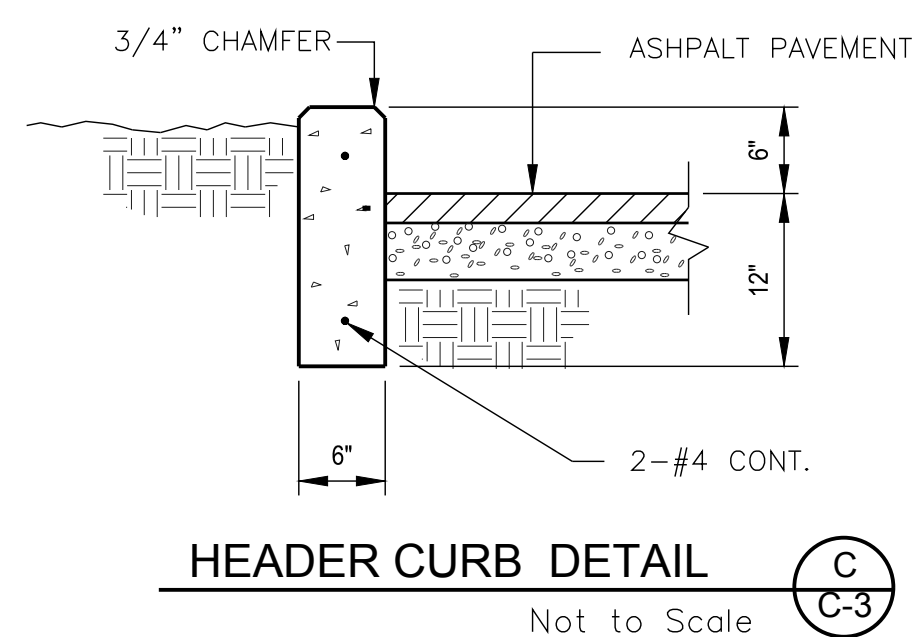
DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY NOTICE TO CONTRACTOR

1. AN EXCAVATION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 7.
3. THREE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234 FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THE FACILITY SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

APPROVAL: _____
INSPECTOR DATE

DRAINAGE PLAN NOTES

1. LDC recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
2. This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
3. Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
4. This Plan is prepared to establish on-site drainage and grading criteria only. LDC assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.
5. Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes LDC to prepare the Certification, we must be notified PRIOR to placement of the fill.
6. LDC recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
7. The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.
8. All spot elevations are finished grade or top of pavement, unless noted otherwise.
9. The City of Albuquerque has received its EPA MS4 Permit for stormwater quality with an effective date of March 1, 2012.
10. See Site Plan for dimension control and location of all site improvements.

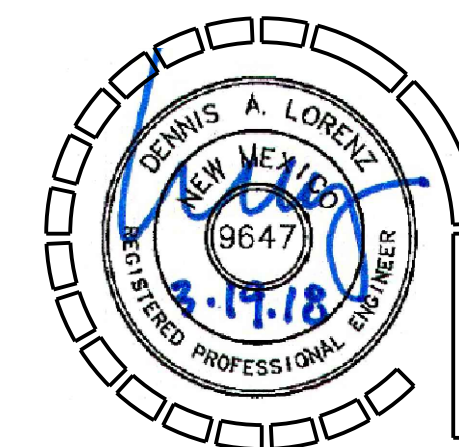


SPILLWAY SIZING:
 $Q = CLH^{3/2}$
 $Q = 4.0 \text{ cfs}$
 $H = 0.67 \text{ FT}$
 $C = 2.40$
 $L = 3' = 3 \text{ CMU BLOCKS (48")}$

RETAINING WALL NOTES:

1. ALL CELLS SHALL BE COMPLETELY FILLED WITH CONCRETE.
2. ALL WALL SECTIONS ARE DESIGNED BASED ON SPECIAL INSPECTION PER UBC.
3. CONTRACTOR SHALL SUBMIT TO OWNER RESULTS OF MASONRY TEST PRISMS BUILT AND TESTED PER UBC STD 24-26, UBC SEC 2405.
4. FOOTING SUBGRADE AND BASE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR PER ASTM D-1557.
5. 1/2" FELT EXPANSION JOINTS SHALL BE INSTALLED AT 30 FEET ON CENTER AND AT SECTION CHANGES.
6. ALL MASONRY SHALL BE LAID IN RUNNING BOND ONLY.
7. THIS RETAINING WALL IS DESIGNED EXCLUSIVELY FOR USE ON VILLAS TUSCAND AND IS NOT APPLICABLE TO ANY OTHER SITE.
8. ALL MASONRY SURFACES TO BE BACKFILL SHALL BE COATED WITH EMULSIFIED ASPHALT, OR OTHER MOISTURE BARRIER AS APPROVED BY THE ENGINEER.
9. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ANY UTILITIES WHICH MAY BE WITHIN THE WORK AREA.
10. WALLS ARE DESIGNED ASSUMING THE FOLLOWING:

$f_c = 4000 \text{ psi}$ maximum aggregate size = 3/4"
 $f_y = 60,000 \text{ psi}$ (ASTM A-615 GR 60)
 $f_m = 1500 \text{ psi}$
unit weight of backfill = 115 pcf
concrete / soil coeff of friction = 0.40
allowable soil bearing pressure = 1500 psf
active pressure = 34 psf / ft
slope active pressure = 34 psf / ft
passive pressure = 400 psf / ft



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SITE DETAILS

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