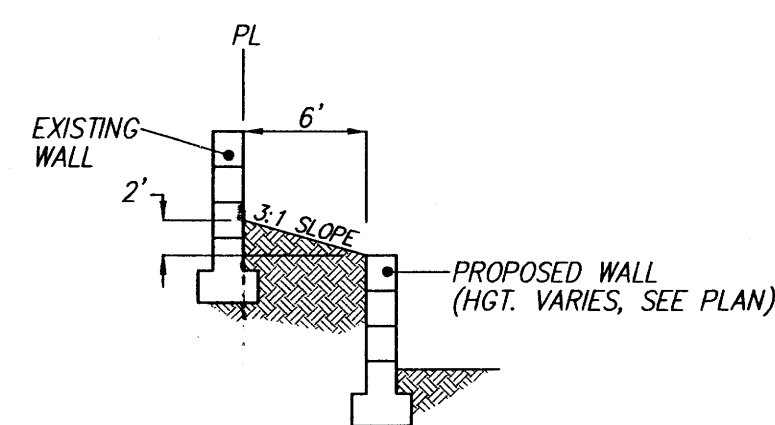




— 5615 —	EXISTING CONTOUR (MAJOR)
— 5616 —	EXISTING CONTOUR (MINOR)
— $\frac{TC}{FL} = x 0.0$ —	EXISTING SPOT ELEVATION
=====	EXISTING CONCRETE CURB
=====	EXISTING WALL OR HEAD WALL
— Δ —	EXISTING SIGN
— x — x — x — x —	EXISTING WOOD FENCE
○	EXISTING SAS MANHOLE
⊙	EXISTING FIRE HYDRANT
⊕	EXISTING WATER VALVE
⊞	EXISTING ELECTRIC TRANSFORMER
⊞	EXISTING STREET LIGHT
⊞	EXISTING TELEPHONE BOX
⊞	EXISTING SPRINKLER CONTROL
●	EXISTING CATV PEDESTAL
=====	NEW MOUNTABLE CURB & GUTTER
=====	NEW STANDARD CURB & GUTTER
=====	NEW SIDEWALK
=====	NEW RIGHT-OF-WAY
-----	NEW CENTERLINE
-----	NEW LOT LINES
-----	NEW EASEMENTS
=====	NEW RETAINING WALL
20.00	NEW SPOT ELEVATIONS
→	NEW FLOW
→	NEW SLOPE, 3:1 MAX.
=====	NEW HIGH POINT
=====	NEW BASIN BOUNDARY
18"±	NEW STORM
=====	NEW DRAINAGE BASIN LINE



WESTERN WALL DETAIL

DRAINAGE CERTIFICATION

I, Amy L. D. Niese, NMPE 15334, of the firm Mark Goodwin & Associates, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 10/21/03. The record information edited onto the original design document has been obtained by me or under my direct supervision and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Release of Financial Guaranty.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

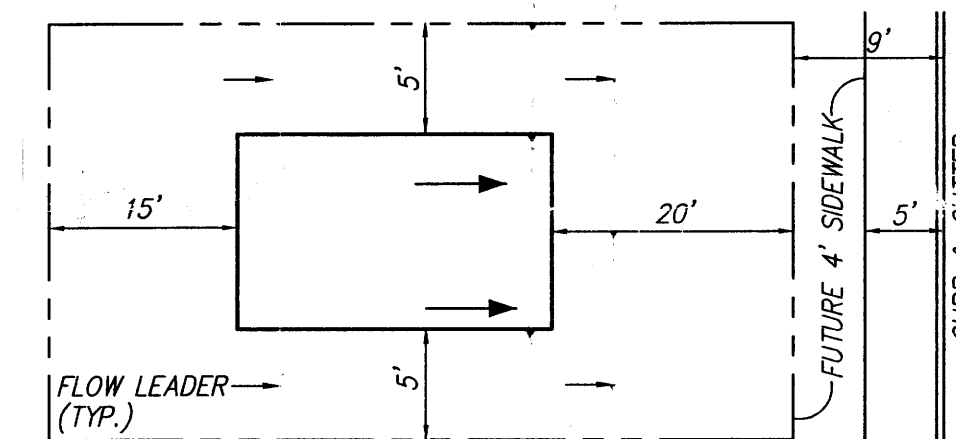


Diagram illustrating a cross-section of a berm structure. The berm is 6'-6" wide at the base. The left slope is 3:1. The right slope is 1:0". The berm height is 1'-0". The berm is labeled "TEMPORARY EROSION CONTROL BERM". The base is labeled "CURB & GUTTER". The top surface is labeled "FINISHED ROUGH GRADING". The right side is labeled "COMPACT BERM TO 90% OF OPTIMUM".

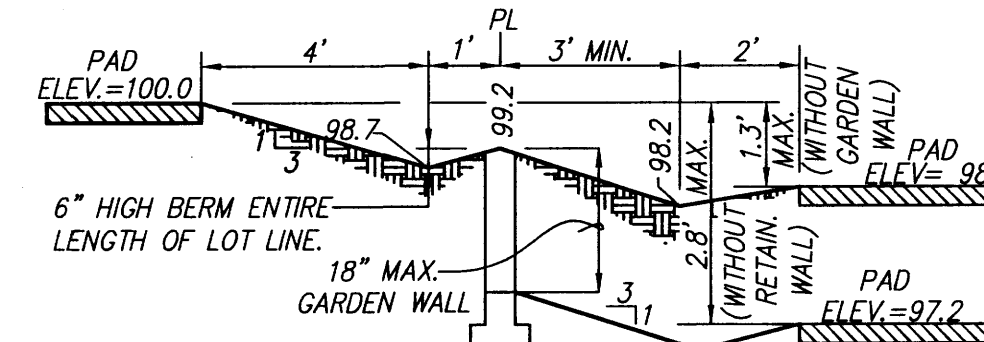
EROSION CONTROL BERM DETAIL

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.



TYPICAL LOT LAYOUT PLAN
N.T.S.



NOTES:

1. A BLOCK WALL WILL BE CONSTRUCTED ALONG THE ENTIRE PERIMETER BOUNDARY. (PART BY DEVELOPER, PART BY BUILDER.)
2. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 1.3' AND LESS THAN 2.8' A GARDEN WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.
3. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 2.8' A RETAINING WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.

TYPICAL SIDEYARD GARDEN BLOCKWALL DETAIL

NTS ANY DIFFERENCE IN PAD ELEVATIONS BETWEEN ADJACENT
LOTS GREATER THAN 2.8' WILL REQUIRE RETAINING WALLS

NEW STORM DRAIN SUMMARY

- ① NEW SINGLE TYPE "A" INLET
TG= 66.35
INV= 61.22
- ② NEW DBL TYPE "A" INLET
TG= 65.67
INV= 61.15
- ③ NEW SINGLE TYPE "C" INLET
TG= 65.12
INV= 60.85
- ④ NEW TYPE "E" MH, 6" DIA.
RIM= 64.45
INV IN(N)= 60.45
INV IN(W)= 57.50
INV (OUT)= 57.45

ROUGH GRADING APPROVAL, ± 1 FT.

A3043TLM/A3043GD-50/10-21-03/ACH/RDQ/DER MJR

NO. 59				ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
						FIELD NOTES		CONTRACTOR		DATE	
						NO. BY DATE		WORK STARTED BY		DATE	
								INSPECTOR'S		DATE	
NO. DATE		REMARKS		BY				FIELD VERIFICATION BY		DATE	
		DESIGN						CORRECTED BY		DATE	
DESIGNED BY		ALD		DATE		04/03		MICRO-FILM INFORMATION			
DRAWN BY		ACH		DATE		04/03		RECORDED BY		DATE	
CHECKED BY		DMG		DATE		04/03		NO.			
								Elevations=5277.26±, NGVD29, in feet			
								X=369,464.87, Y=1,524,345.87			
								M.M. State Plane Coordinates (Central Zone)			
								Geographic Position (NAD 1927), in feet			
								Continue 0.36 miles. The station is 185 feet Southeast of this point.			
								a dirt road cutting of going Southeast 0.07 miles to top of escarpment.			
								Bld., turn West go 1.6 miles to Radcliffe Rd., turn south go 0.1 mile to			
								From I-40 and Coors Rd. go North on Coors 5.75 miles to Paradise			
								ACS Brass Cap stamped "3-B12"			

F:\03J085\A30431\A304360-50.dwg Tue Oct 21 13:49:15 2003 D. MARK GOODWIN & ASSOCIATES: PLOTTED BY: mike