

PROJECT AREA = 0.5303 ac.
 BILL RAMOS PROJECT AT 4610-A McLEOD N.E.
 ZONE 2
 PRECIPITATION: 360 = 2.35 in. ✓
 1440 = 2.75 in. ✓
 10day = 3.95 in. ✓

EXCESS PRECIPITATION: PEAK DISCHARGE:
 TREATMENT A 0.53 in. ✓ 1.56 cfs/ac.
 TREATMENT B 0.78 in. ✓ 2.28 cfs/ac.
 TREATMENT C 1.13 in. ✓ 3.14 cfs/ac.
 TREATMENT D 2.12 in. ✓ 4.70 cfs/ac.

EXISTING CONDITIONS: PROPOSED CONDITIONS:
 AREA 0 ac. 0 ac.
 TREATMENT A 0.0 ac. 0.01212 ac.
 TREATMENT B 0.08378 ac. 0.00945 ac.
 TREATMENT C 0.4544 ac. 0.50876 ac.
 TREATMENT D 1.9303 ac. 1.9303 ac.

EXISTING EXCESS PRECIPITATION:
 Weighted E = (0.53)(0.00) + (0.78)(0.01) + (1.13)(0.08) + (2.12)(0.43) / 0.53 ac. = 1.83 in.
 V100-360 = (1.83)(0.53) / 12 = 0.085421 ac-ft = 3721 CF

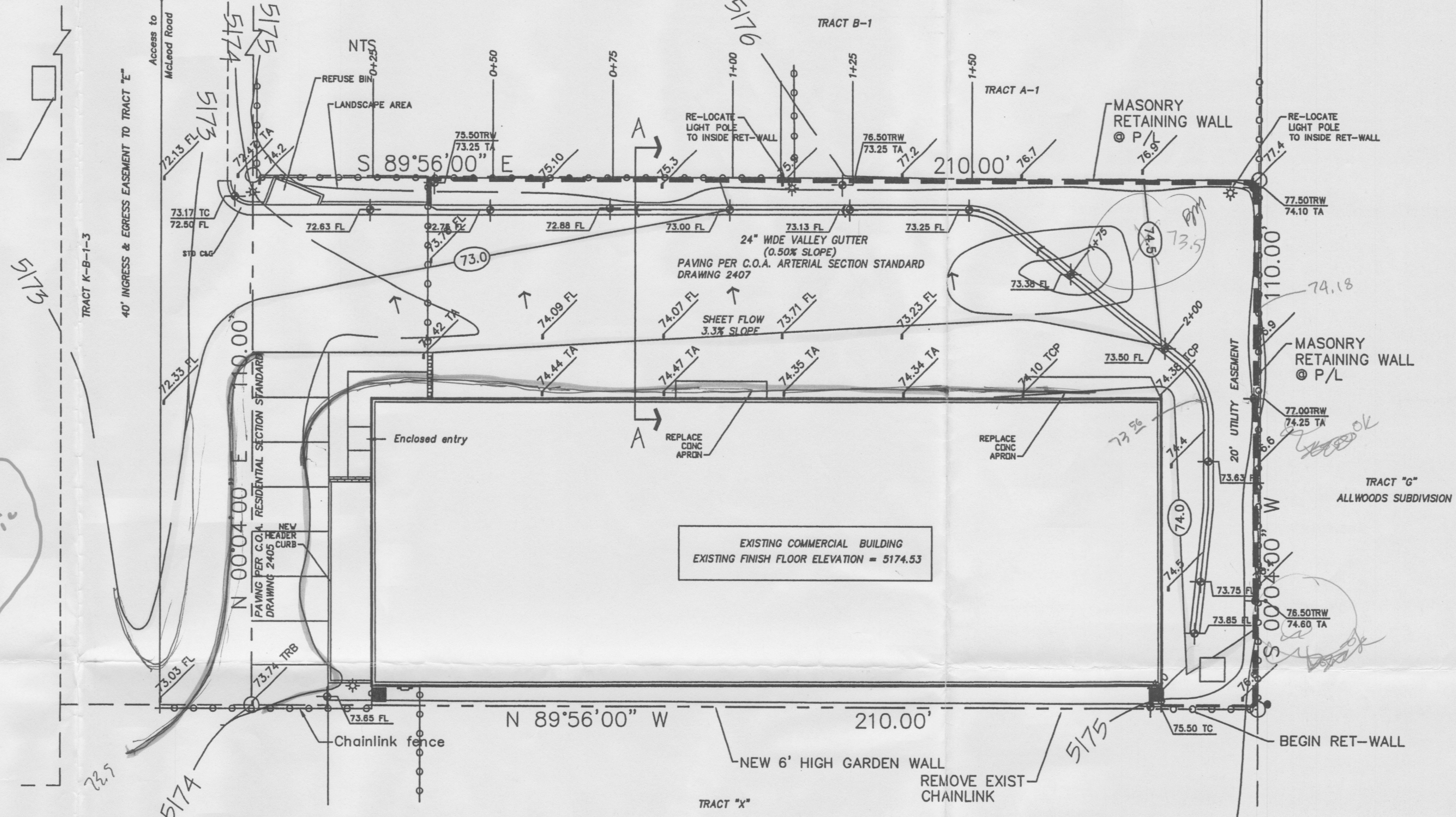
EXISTING PEAK DISCHARGE:
 Q100 = (1.56)(0.00) + (2.28)(0.01) + (3.14)(0.08) + (4.70)(0.43) = 2.33 CFS

PROPOSED EXCESS PRECIPITATION:
 Weighted E = (0.53)(0.00) + (0.78)(0.01) + (1.13)(0.01) + (2.12)(0.51) / 0.53 ac. = 2.07 in.
 V100-360 = (2.07)(0.53) / 12.0 = 0.091557 ac-ft = 3988 CF

V100-1440 = (0.09)(0.51) / (2.75 - 2.35) / 12 = 0.108515 ac-ft = 4727 CF
 V100-10day = (0.09)(0.51) / (3.95 - 2.35) / 12 = 0.159390 ac-ft = 6943 CF

PROPOSED PEAK DISCHARGE:
 Q100 = (1.56)(0.00) + (2.28)(0.01) + (3.14)(0.01) + (4.70)(0.51) = 2.42 CFS

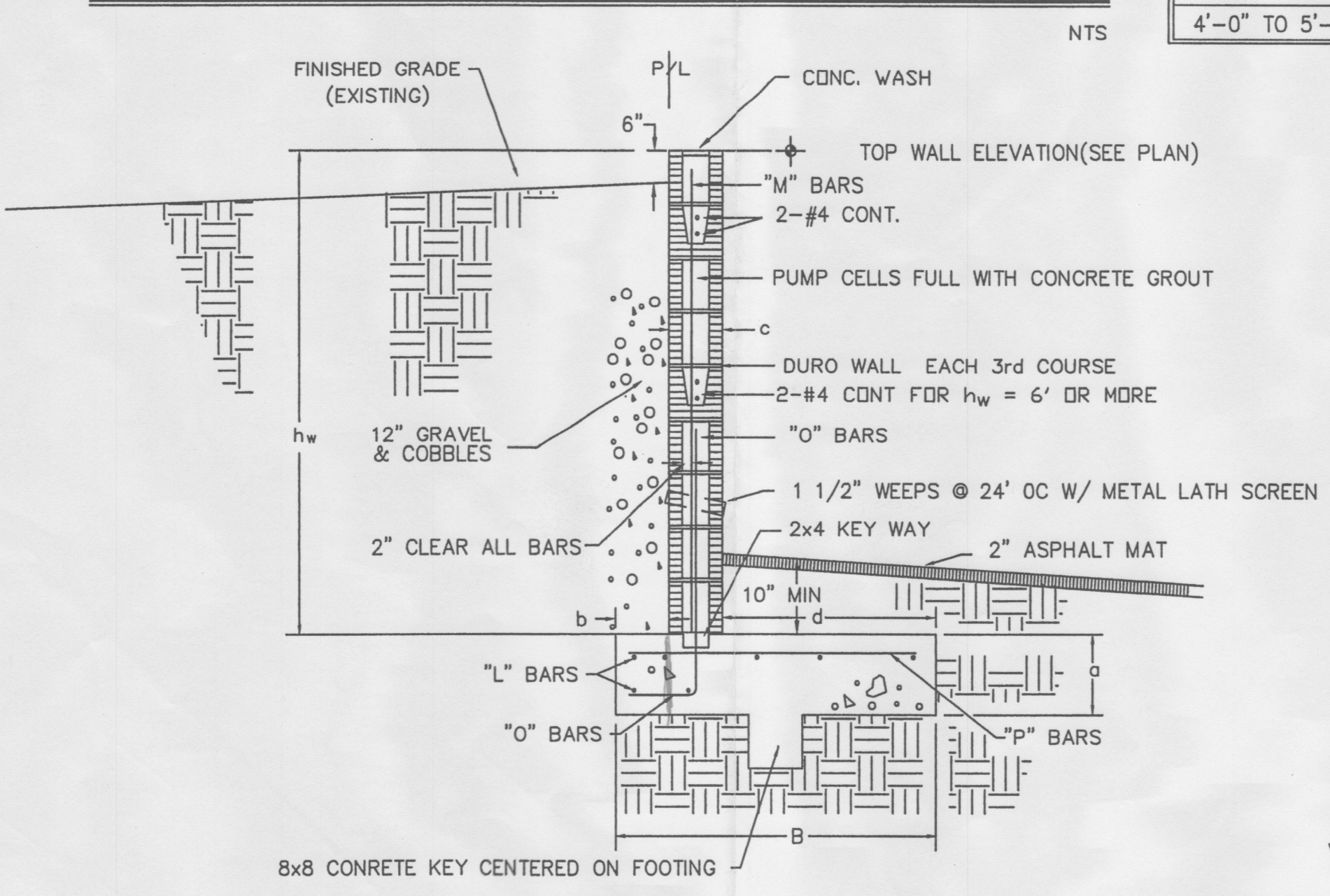
INCREASE 2.42 CFS - 2.33 CFS = 0.09 CSF



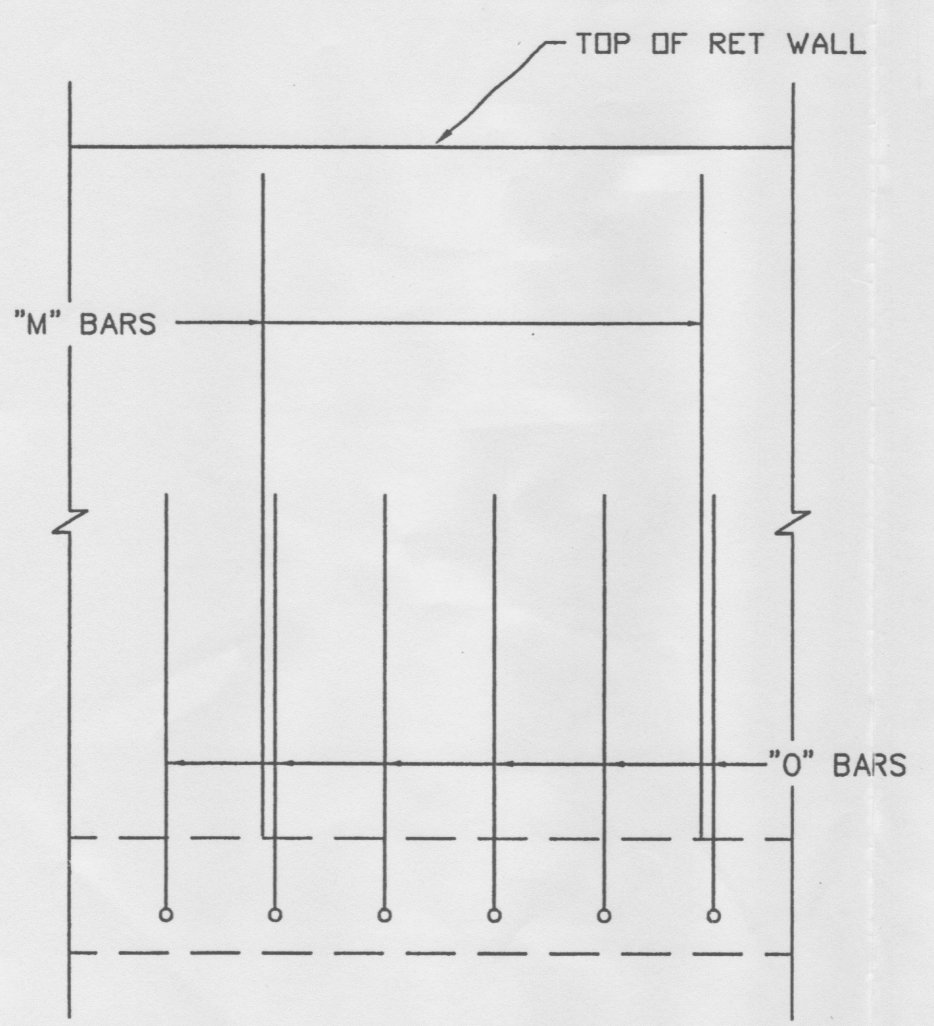
GRADING/PAVING PLAN
 THE FOLLOWING ITEMS CONCERNING (4610-A McLeod Rd. N.E.) TRACT E, SECO SUBDIVISION, BERNALILLO COUNTY, ALBUQUERQUE, NEW MEXICO ARE CONTAINED HEREON:
 EXISTING CONDITIONS
 AS SHOWN ON THE VCNITY MAP, THE SITE CONTAINS 0.5303 ACRES MORE OR LESS AND IS LOCATED SOUTH OF McLEOD RD. N.E. BETWEEN JEFFERSON ST. N.E. AND HARDWARE DRIVE N.E. THE SITE IS COMPLETELY DEVELOPED WITH A 9942 SQ. FT. BUILDING ALONG WITH ASSOCIATED ASPHALT PAVING AND LANDSCAPING. THE SITE DRAINS FROM EAST TO WEST. NO OFF-SITE FLOWS ENTER THE SITE FROM ANY DIRECTION. ACCORDING TO THE FLOOD INSURANCE RATE MAPS, PANEL 0139E, REVISED NOVEMBER 19, 2003, THIS SITE IS NOT LOCATED WITH A DESIGNATED FLOOD ZONE, NOR DOES IT CONTRIBUTE TO ANY DOWNSTREAM FLOODING.
 PROPOSED CONDITIONS
 AS SHOWN BY THE GRADING/PAVING PLAN, THE PROJECT WILL CONSIST OF THE REMOVAL AND REPLACEMENT OF ALL THE ASPHALT AREAS. A RETAINING WALL WILL BE CONSTRUCTED ON THE NORTH AND EAST PROPERTY LINES. THE EXISTING DOCK AREA WILL BE REMOVED. A CONCRETE VALLEY GUTTER WILL BE CONSTRUCTED SO AS TO CONVEY THE RUN-OFF FROM THE EAST AND NORTH. THE CALCULATIONS, WHICH APPEAR HEREON, ANALYZE THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR-6-HOUR-RAINFALL EVENT. THE PROCEDURE FOR 40-ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL VOLUME II, DESIGN CRITERIA DATED 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME GENERATED.

This doesn't look like the approved layout

MASONRY BLOCK RETAINING WALL DETAIL



Wall Height h _w	Footing Dimensions					Size	"L" Bars		"M" Bars		"O" Bars		"P" Bars						
	B	a	b	c	d		TOP	BOTTOM	Size	Length Spacing	Size	Spacing	a	b	Size	Spacing	Size		
1'-4" TO 2'-0"	1'-4"	0'-8"	0'-4"	0'-8"	0'-4"	#4	2	2	#4	-	-	#4	2'-8"	0'-6"	2'-3"	#4	2'-8"	#4	
2'-0" TO 3'-4"	1'-8"	0'-8"	0'-4"	0'-8"	0'-8"	#4	2	2	#4	-	-	#4	2'-8"	0'-6"	3'-8"	#4	2'-8"	#4	
3'-4" TO 4'-0"	2'-4"	0'-8"	0'-6"	0'-8"	1'-2"	#4	3	2	#4	-	-	#4	2'-8"	0'-8"	3'-8"	#4	2'-0"	#4	
4'-0" TO 5'-4"	3'-0"	0'-10"	0'-6"	0'-8"	1'-10"	#4	4	2	#4	#4	3'-10"	5'-4"	#4	2'-8"	0'-8"	3'-8"	#4	1'-6"	#4



RETAINING WALL X-SECTION

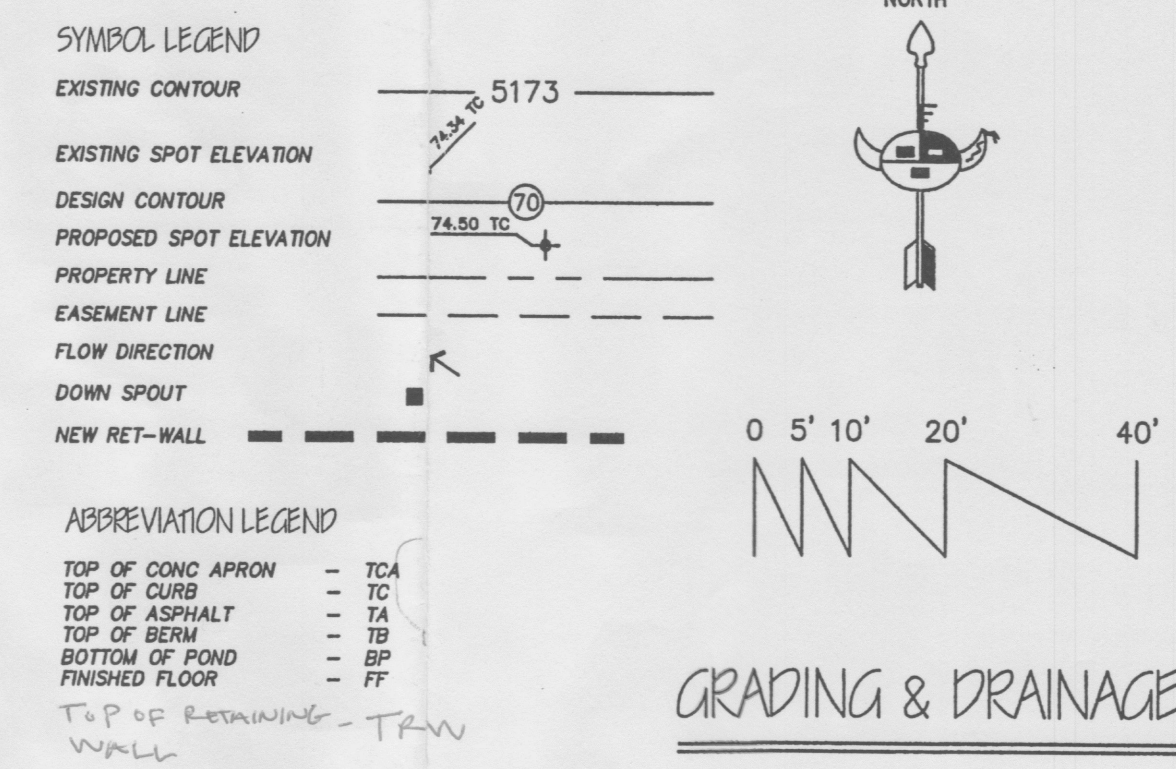
NO SCALE

- NOTE TO CONTRACTOR:
- An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
 - All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specification for Public Works Construction.
 - Two working days prior to any excavation, contractor must contact line locating Services (760-1990) for locating existing sub-surface utilities.
 - Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all potential constructions; Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay to the subject project.
 - Backfill compaction shall be according to commercial use or soils report(s) recommendations.
 - All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safety and health.
 - Maintenance of this facilities shall be the responsibility of the owner of the property it serves

LEGAL DISCRPTION
 TRACT "E", SEGO SUBDIVISION
 BENCHMARK:
 A.C.S. BENCHMARK 9-F18 LOCATED JUST SOUTH OF SAN MATEO LANE N.E. ELEVATION: 5209.56
 T.B.M.
 TOP OF SURVEYORS CAP ON THE SOUTHWEST PRPOERTY CORNER AS SHOWN ON PLAN DRAWING ELEVATION 5173.74

EROSION CONTROL MEASURES

- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUN-OFF DURING CONSTRUCTION, HE SHALL ASSURE THAT THE FOLLOWING MEASURES ARE
 - ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY TEMPORARY BERMS, DIKES, SWALES, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUN-OFF FROM LEAVING THE SITE AND ENTERING ADJACENT PROPERTY.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.



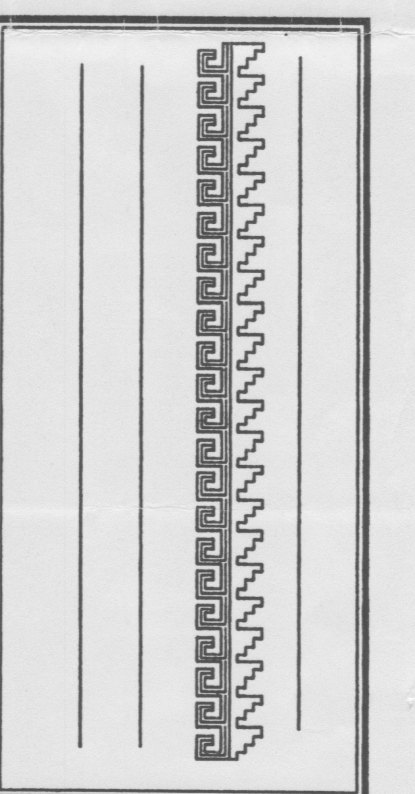
GRADING & DRAINAGE PLAN

Scale=20'-0"



JOB NO: XXXXX
 DATE: APRIL 2005
 REVISIONS

Sheet Title
GRADING & DRAINAGE PLAN
 Drawn By: H Hood & BIM
 Checked By:



Project Name
NEW PAVING AT
 4610-A McLEOD ROAD N.E.
 ALBUQUERQUE, NEW MEXICO

