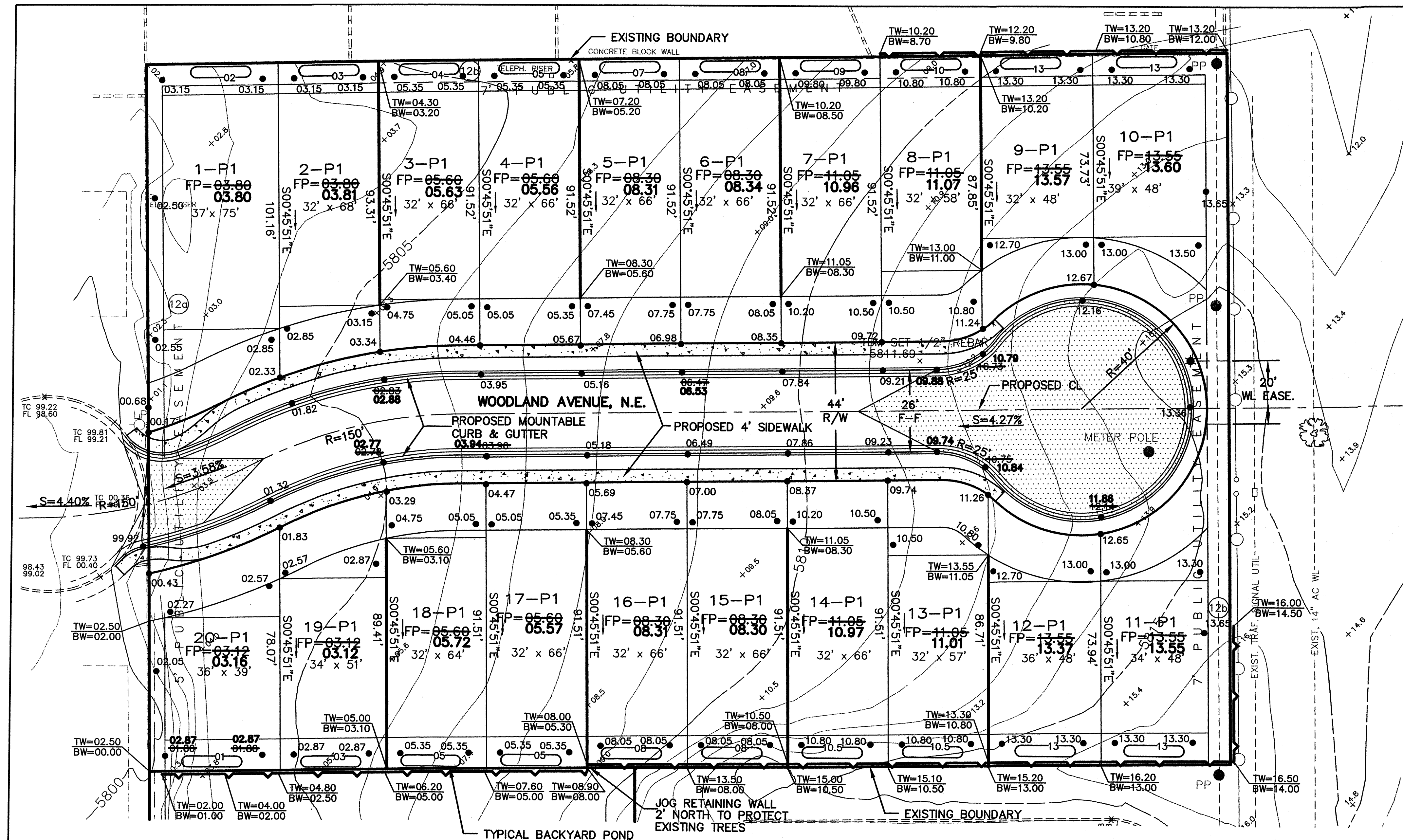




DRAINAGE PLAN:

LOCATION AND DESCRIPTION

THE PROPOSED SITE IS TRACT A-2-B, BRENTWOOD HILLS. THE SITE IS LOCATED AT THE EAST END OF WOODLAND AVENUE NEAR THE INTERSECTION OF MENAUL BLVD. AND TRAMWAY BLVD. THE SITE WILL BE DEVELOPED INTO A 20 LOT SUBDIVISION WITH TOWNHOMES. THE AREA OF TRACT A-2-B IS 1.80 ACRES. THE SITE IS CURRENTLY VACANT WITH SPARSE VEGETATION.

FLOOD HAZARD STATEMENT: F.E.M.A. FLOODWAY BOUNDARY AND FLOODWAY MAP DATED NOVEMBER 19, 2003 (PANEL NO. 35001C0376 E) INDICATES A FLOOD HAZARD ZONE X WHICH IS AN AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

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THE DEVELOPED RUNOFF FROM THE SUBDIVISION AT THE EXISTING WOODLAND CUL-DE-SAC BULB IS 8.55 CFS, INCLUDING NO CREDIT FOR BACKYARD PONDING. THE 28 FOOT-WIDE STREET WITH MOUNTABLE CURB HAS A SLOPE OF 3.85%. THE STREET CAPACITY CALCULATION SHOWS THAT THE NORMAL DEPTH IS 0.20 FEET AND THE ENERGY GRADE DEPTH IS 0.50 FEET, WHICH IS LESS THAN 0.51 FEET AT THE RIGHT-OF-WAY LINE. ADDING THE RUNOFF FROM THE SUBDIVISION AND THE RUNOFF FROM THE EXISTING LOTS THAT DRAIN TO WOODLAND RESULTS IN A PEAK FLOW OF 20.78 CFS AT MARIE PARK DRIVE. THE EXISTING WOODLAND DRIVE IS 32 FOOT FACE-TO-FACE WITH STANDARD CURB AT A SLOPE OF 4.40%. THE STREET CAPACITY CALCULATION AT MARIE PARK DRIVE SHOWS THAT THE NORMAL DEPTH IS 0.27 FEET AND THE ENERGY GRADE DEPTH IS 0.76 FEET, WHICH IS LESS THAN 0.85 FEET AT THE RIGHT-OF-WAY. THEREFORE, AT BOTH LOCATIONS THE PEAK FLOW REMAINS WITHIN THE STREET RIGHT-OF-WAY.

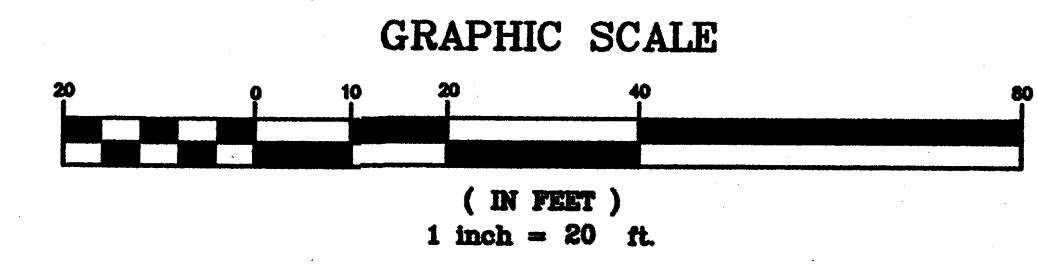
DRAINAGE CERTIFICATION

I, DAVID B. THOMPSON, NMPE 9677, OF THE FIRM THOMPSON ENGINEERING CONSULTANTS, INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 4-1-05. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY RUSS HUGG, NMPS 9750, OF THE FIRM SURV TEK, INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON MAY 16, 2006 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

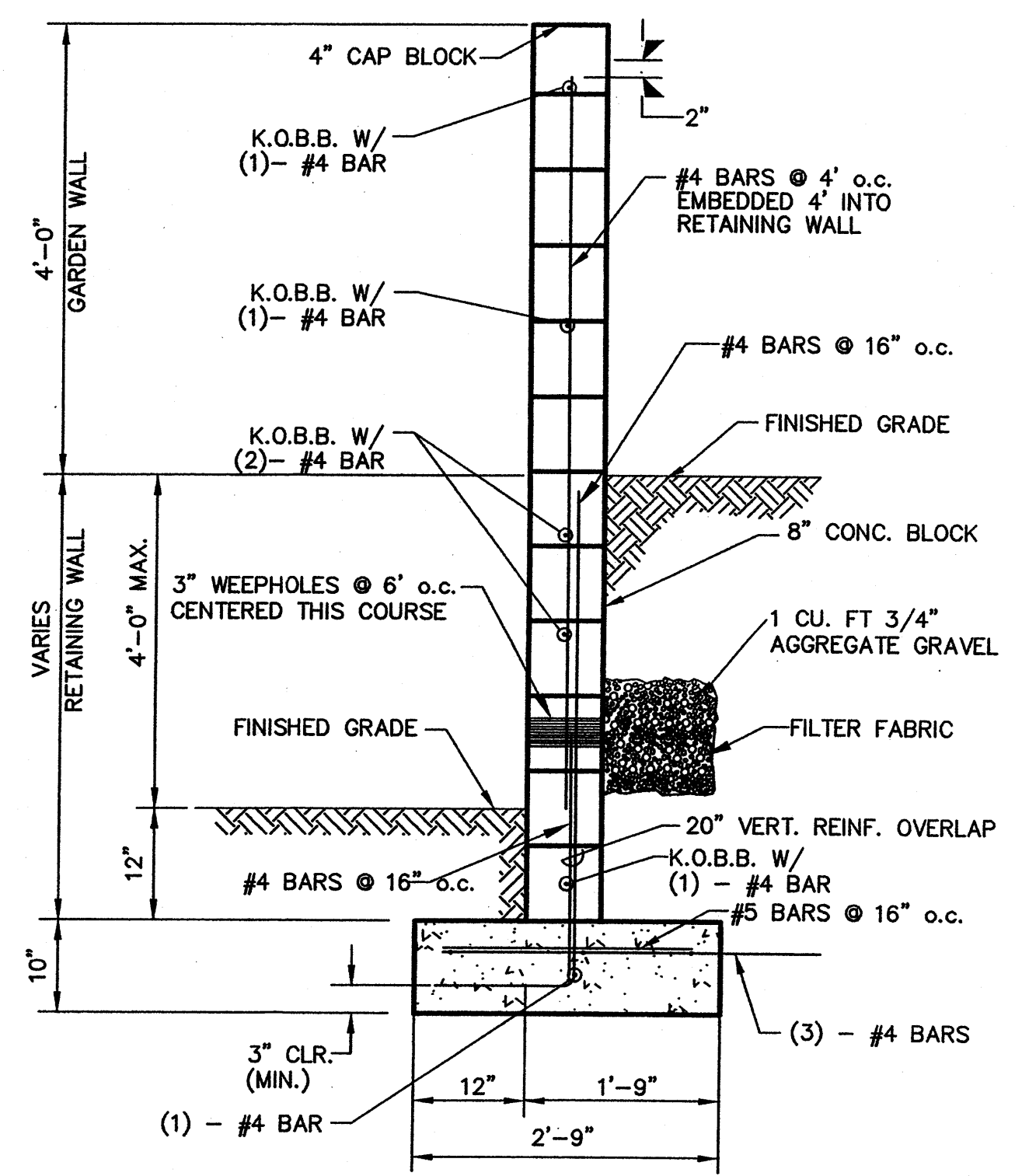
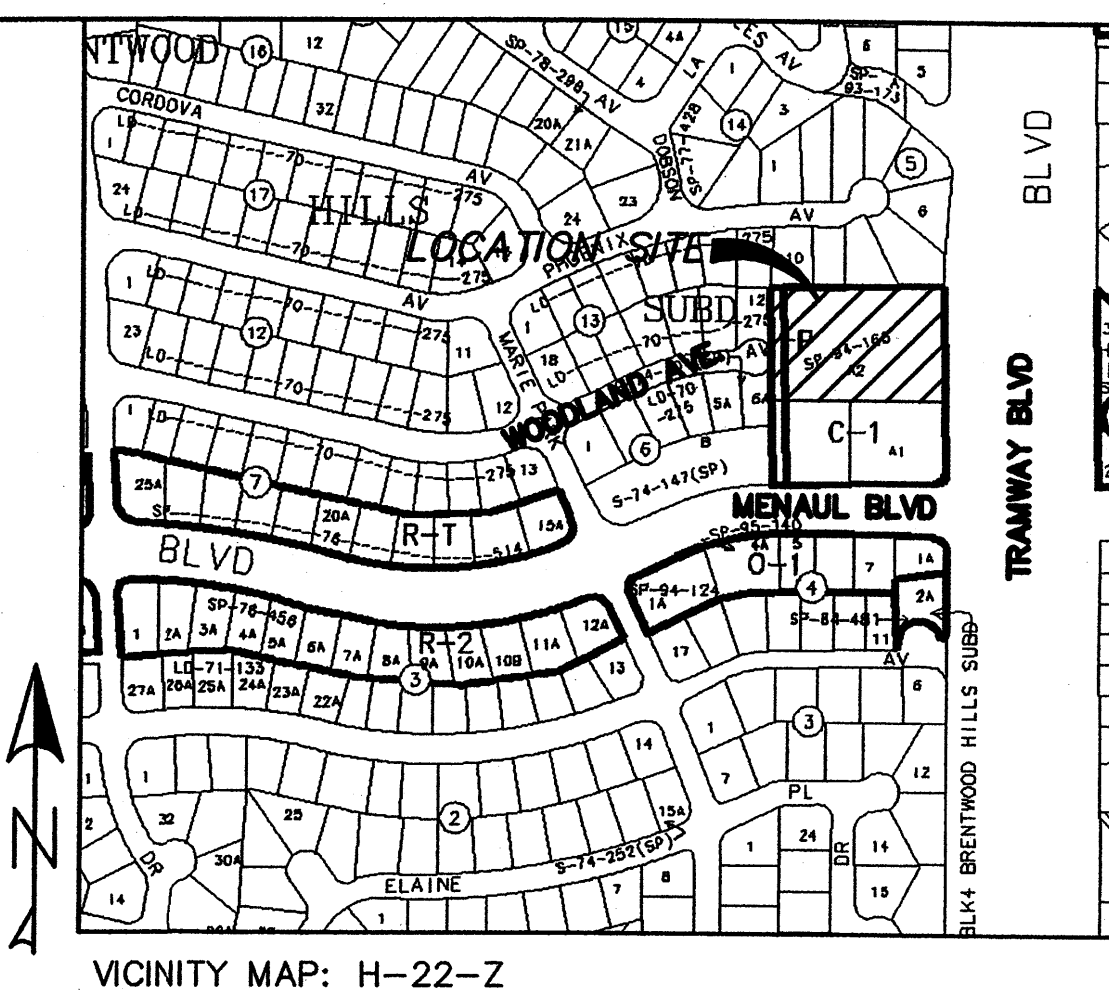
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

David B. Thompson 7-19-06
DAVID B. THOMPSON, NMPE 9677 DATE

100—YEAR HYDROLOGIC CALCULATIONS							
BASIN ID	AREA (ac.)	LAND TREATMENT				PEAK FLOW (CFS)	RUNOFF 6—HR (CF)
		A	B	C	D		
EXISTING CONDITIONS							
SUBDIVISION	1.80	1.8	0	0	0	3.96	0.120
WOODLAND AVE.	2.92	0	0.80	0.81	1.31	12.23	0.459
PROPOSED CONDITIONS							
SUBDIVISION	1.80	0	0.23	0.24	1.33	8.55	0.343



- LEGEND**
- FP=02.00 FINISHED PAD SITE ELEVATION
 - 01.00 PROPOSED SPOT ELEVATION
 - TW=02.00 BW=01.00 TOP OF CURB AND FLOWLINE ELEVATIONS
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - PROPOSED RETAINING WALL SEE SHEET 2 FOR DETAIL
 - PROPOSED MOUNTABLE CURB AND GUTTER



TYPICAL RETAINING WALL W/GARDEN WALL EXTENSION

Thompson Engineering Consultants, Inc.
4800 JUAN TABO N.E. SUITE C ALBUQUERQUE, NEW MEXICO 87111 PHONE: (505) 271-2199 FAX: (505) 237-8422

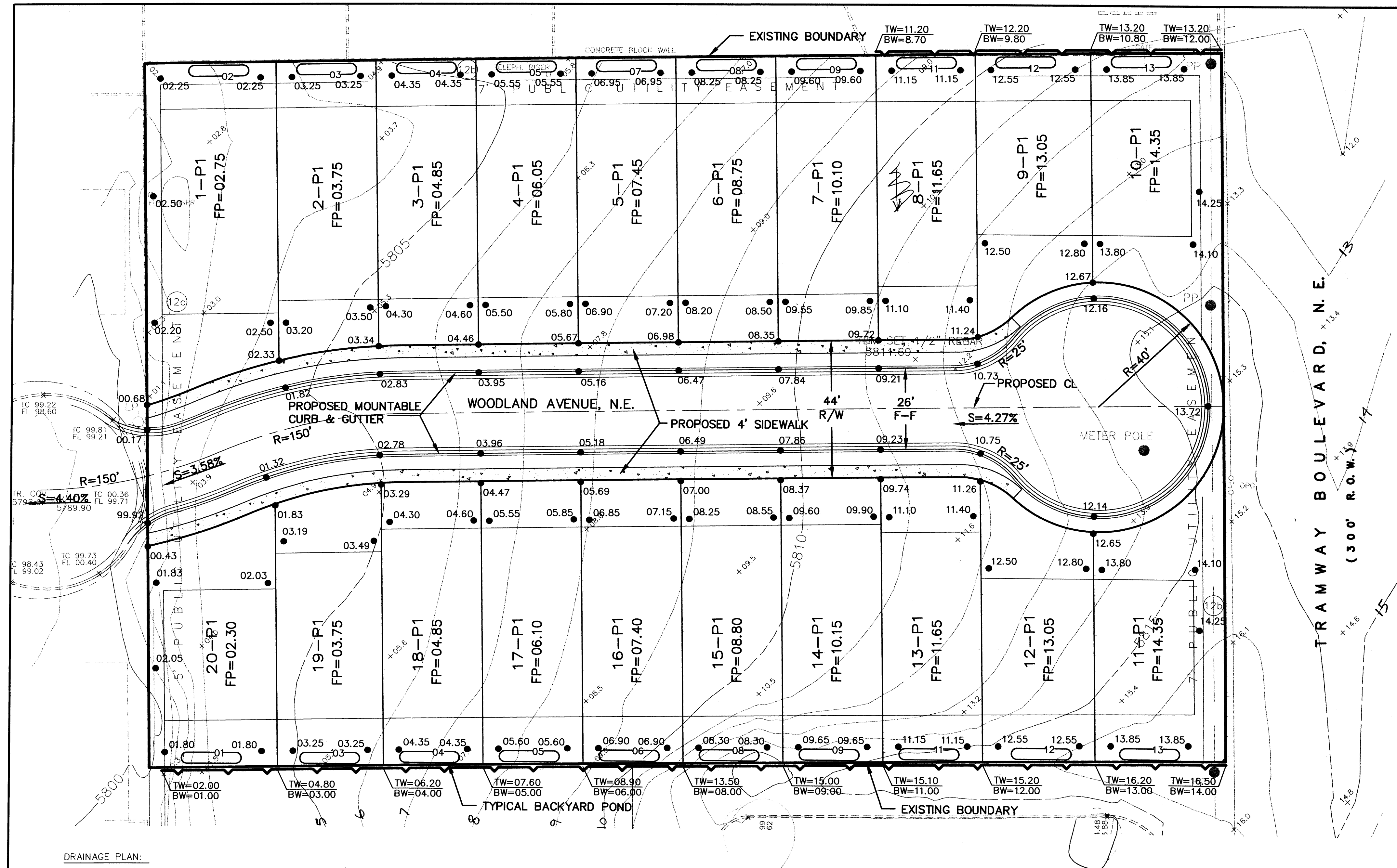
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRANSPORTATION DEVELOPMENT

GRADING & DRAINAGE PLAN TRAMWAY CROSSING

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 768181 Zone Map No. H-22-Z Sheet 3 Of 6

AS-BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		ENGINEER'S SEAL		REMARKS		DESIGN		NO. DATE		BY		DATE		DATE	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	INSPECTOR'S	DATE																
STAMPED BY	DATE	STAMPED BY	DATE																
FIELD	DATE	FIELD	DATE																
VERIFICATION BY	DATE	VERIFICATION BY	DATE																
CORRECTED BY	DATE	CORRECTED BY	DATE																
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE



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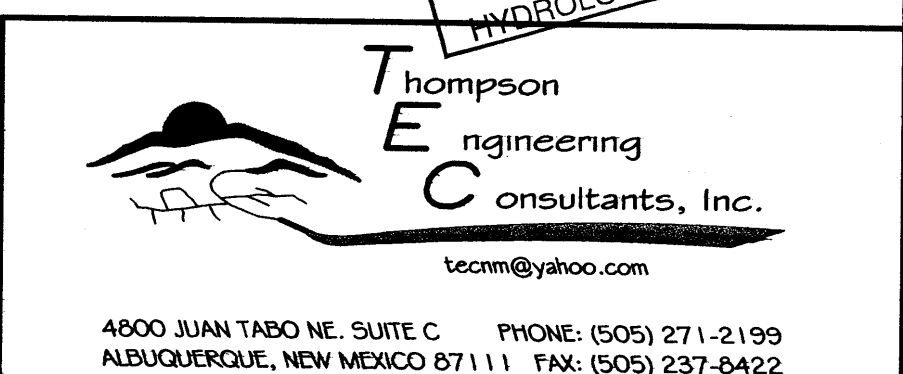
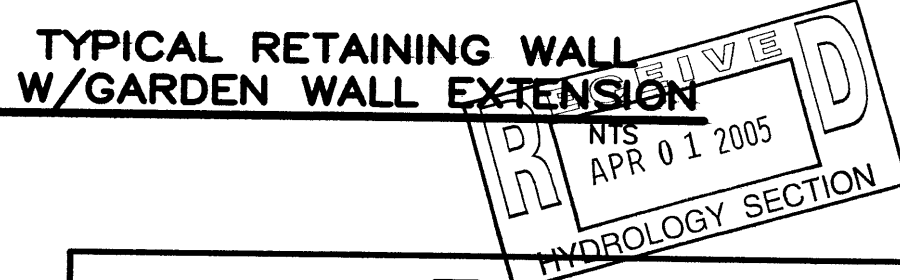
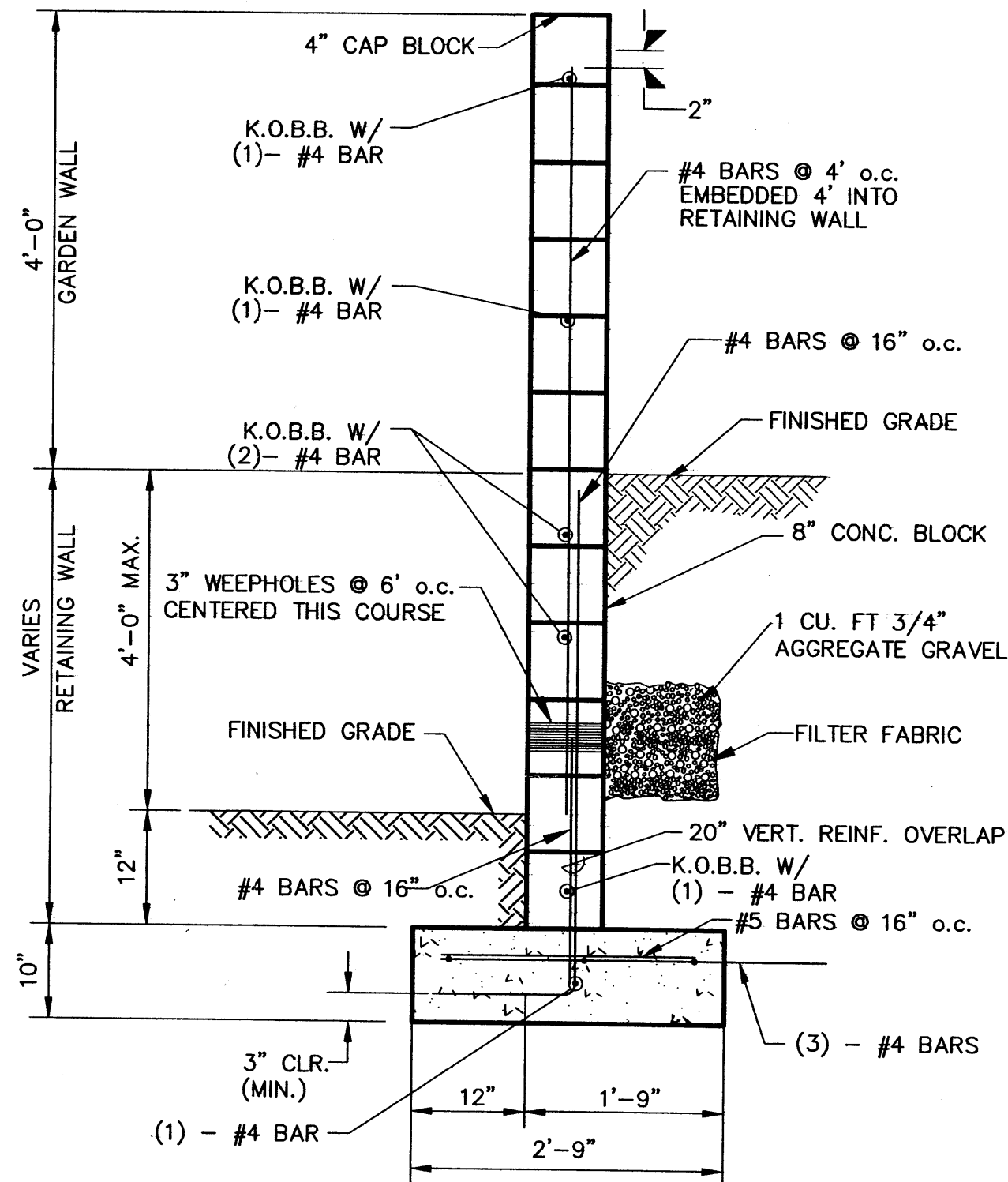
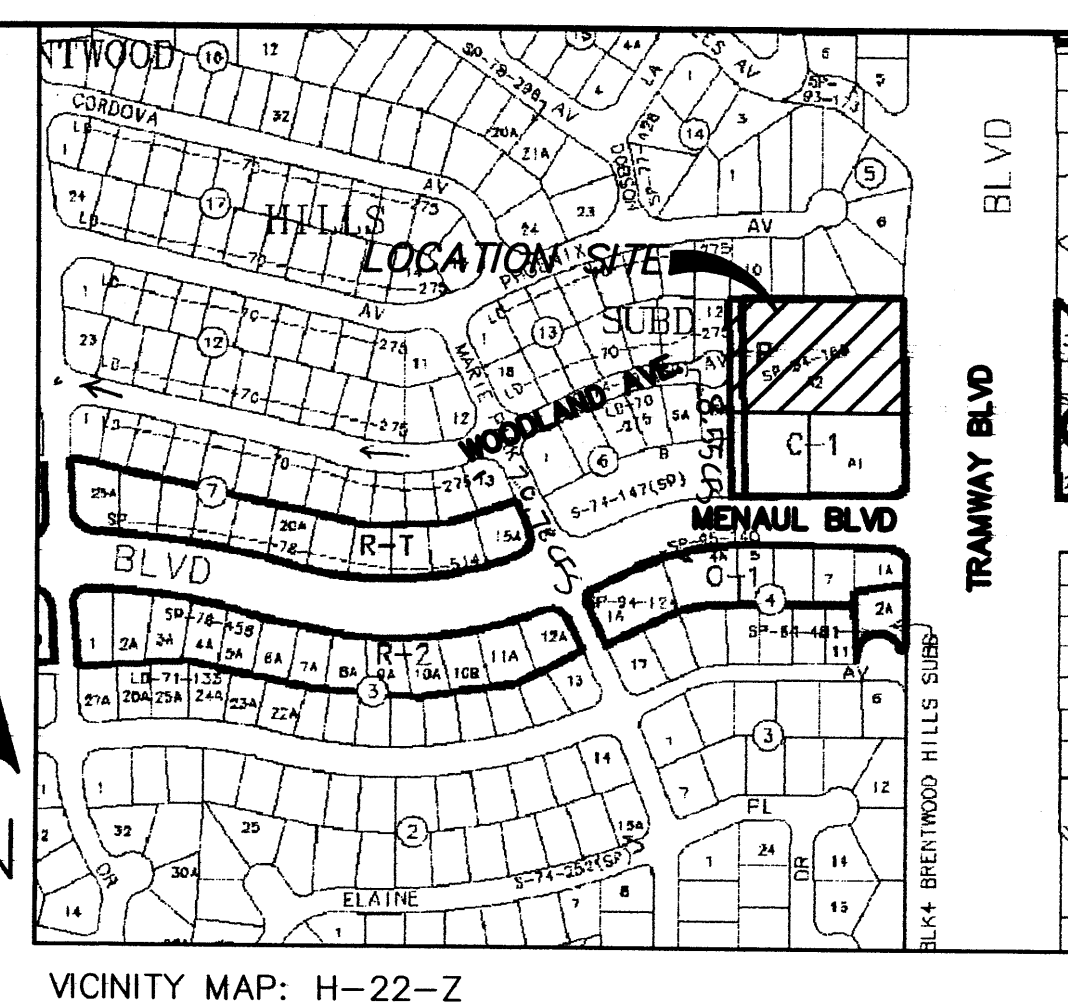
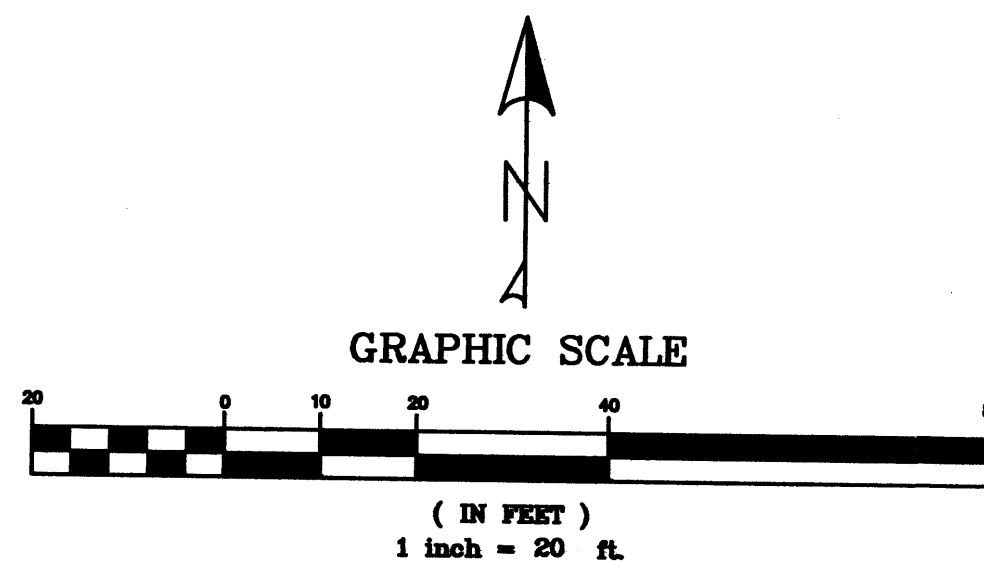
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+ 4.59 CFS

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRANSPORTATION DEVELOPMENT			
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DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
City Project No. XXXX.XX	Zone Map No. H-22-Z	Sheet 1	Of 1