

STANDARD WALL EXTENSION MAY BE - ELIMINATED WHERE RETAINING SECTION IS AGAINST EXISTING GARDEN WALL - 6X8X16 CMU GARDEN WALL 12X8X16 PILASTERS @12'0.C. 2-#4 REBAR VERT., FILL ALL CELLS W/CONCRETE - FIN. GRADE CMU RETAINING WALL (SEE TABLE FOR MINIMUM SIZE)
FILL ALL CELLS W/CONCRETE VERT. REINF. 'V' 9 GA. DUR-O-WAL EA. 3RD CS. 1 CU.FT.GRAVEL, WRAP W/FILTER FABRIC _ 4"D. WEEPS @10'0.C. --- 'FT' REINF. WIDTH 'B'

WALL HEIGHT 'H'	HEIGHT BLOCK WIDTH		FTG. THK 'T'	VERTICAL REINF. 'V'	TRANSVERSE REINF. 'FT'	CONTINUOUS REINF. 'FL'	
1'-4"	6"	1'-4"	8"	(8")	#3@ 24"O.C.		2-#3 CONT.
2'-0"	6"	1'-10"	10"	8"	#3@ 24"O.C.		2-#3 CONT.
2'-8"	6"	2'-4"	1'-2"	8"	#4 @ 24"0.C.		2-#4 CONT.
3'-4"	8"	2'-8"	1'-4"	8"	#4@ 24"O.C.	#3@ 24"O.C.	2-#4 CONT.
4'-0"	8"	3'-0"	1'-7"	8"	#4@ 16"O.C.	#3@ 16"O.C.	3-#4 CONT.

NOTES 1. NO SOILS TESTS WERE PERFORMED

- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE PREPARATION INCLUDING EXCAVATION
- 3. REINFORCING BARS SHALL HAVE STANDARD DEFORMATIONS AND A YIELD STRENGTH OF 40,000 PSI
- 4. CONCRETE STRENGTH (f') 2500 PSI @ 30 DAYS
- 5. ALTERNATE VERTICAL REINFORCING BARS MAY BE TERMINATED AT MID-HEIGHT OF RETAINER AS MEASURED FROM LOWER FINISH GRADE.

EXISTING ON-SITE CONDITIONS

THIS DEVELOPMENT SITE CONSISTS OF THREE UNIMPROVED, SUBDIVIDED LOTS.

TOTAL AREA OF SITE IS .64 ACRE, VEGETATIVE COVER IS LIMITED TO LOW ANNUAL AND PERENNIAL GROWTH. THERE ARE NO EXISTING IMPERVIOUS AREAS. SLOPE VARIES BETWEEN TWO AND THREE PER CENT. ON THE NORTH, THIS SITE IS BOUNDED BY A SIX-FOOT HIGH CONCRETE BLOCK WALL. THE NORTHERLY 100 FEET OF THE EAST LINE IS BOUNDED BY A WALL WITH THE REMAINDER OF THE ADJOINING LAND TO THE EAST BEING GRADED AND LANDSCAPED. SOUTH AND WEST LINES ABUT STREET RIGHTS-OF-WAY. NO OFFSITE FLOWS IMPACT THIS SITE.

THE SURFACE OF THIS SITE IS COMPACTED FROM HUMAN ACTIVITY. THE NORTHEAST PORTION OF IT HAS APPARENTLY BEEN USED FOR MATERIAL STORAGE. FOR THE PURPOSE OF DRAINAGE CALCULATIONS, SURFACE TREATMENT TYPE USED IS "C".

PROPOSED DEVELOPMENT

EIGHT SINGLE-FAMILY TOWNHOUSES ARE TO BE CONSTRUCTED ON REDIVIDED LOTS. ADDITIONAL CONSTRUCTION WILL INCLUDE 18'-WIDE DRIVEWAYS, WALKS, PATIO AREAS AND LOW RETAINING WALLS WHERE REQUIRED FOR INTERIOR GRADE SEPARATION. DISCHARGE ROUTING FROM THIS SITE IS NOT TO BE ALTERED. CURRENTLY, FLOWS EXIT TO THE WEST. THIS IS AN INFILL SITE SURROUNDED BY DEVELOPED LAND AND STREETS. NO ON—SITE DETENTION FACILITIES ARE PLANNED. DISCHARGE FLOWS VIA WESTERFELD DRIVE, AND COMANCHE ROAD TO WYOMING BOULEVARD WHERE IT IS INTERCEPTED BY A STORM DRAIN THAT DISCHARGES INTO THE HAHN ARROYO. ALL DOWNSTREAM SURFACES ARE ASPHALT PAVEMENT OR CONCRETE LINING.

DEVELOPED IMPERVIOUS COVERAGE PER PROPOSED LOT INCLUDES 1758 S.F. OF ROOF AND 800 S.F. CONCRETE DRIVE, PATIO AND WALK.

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 3.

CONDITION	STORM RETURN PERIOD (TABLE 4)	TREATMENT TYPE	AREA	PRECIP.)(TAB.A-9	VOLUME)	RATE
EXISTING	100	A B C D	27447	0.66 0.92 1.29 2.36	1.87 2.60 3.45 5.02	2950	2.17
EXISTING	10	A B C D	27447	0.19 0.36 0.62 1.50	0.58 1.19 2.00 3.39	1418	1.26
EXISTING	100	A B C D	6983 20464	0.66 0.92 1.29 2.36	1.87 2.60 3.45 5.02	535	1.34
EXISTING	10	A B C D	6983 20464	0.19 0.36 0.62 1.50	0.58 1.19 2.00 3.39	209 2558	0.19
TOTALS	100 10		27447			4559 2767	3.70 1.78

FLOW RATE INCREASES OF 1.53 CFS AND 0.52 CFS FOR THE 100-YEAR AND 10-YEAR. STORMS MAY BE EXPECTED. THE 6-HOUR RUNOFF VOLUMES WILL INCREASE BY 1609 CUBIC FEET FOR THE 100-YEAR STORM AND 1349 CUBIC FEET FOR THE 10-YEAR STORM.

BENCH MARK

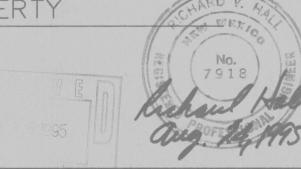
STA 9-G12 STANDARD ACS BRASS CAP SET IN TOP OF CONCRETE CURB IN EAST MEDIAN AT THE INTERSECTION OF COMANCHE ROAD AND EUBANK BOULEVARD, NE. ELEV. 5536.00

T.B.M.

TOP OF CURB AT THE ENE RETURN, INTERSECTION OF PALO DURO DRIVE WITH WESTERFELD DRIVE, NE ELEV. 5534.33

DESCRIPTION OF PROPERTY

LOTS 6, 7 & 8 BLOCK 1 PIERMONT HEIGHTS ALBUQUERQUE, NEW MEXICO



GRADING AND DRAINAGE PLAN WITHIN BLOCK I, PIERMONT HEIGHTS ALBUQUERQUE, NEW MEXICO HELMICK HOMES



HALL ENGINEERING COMPANY INC. ENGINEERING . SURVEYING . PLANNING . CONSTRUCTION 6840 2ND ST., NW, SUITE 306 . ALBUQUERQUE, NEW MEXICO 87107 PHONE (505) 345-1064 FAX (505) 344-5404

NOTICE TO CONTRACTOR

SCALE: 1 INCH = 20 FEET

EXISTING SPOT ELEVATION

TOP OF CURB

PROPOSED CONCRETE SURFACING

ROPOSED BUILDING FOOTPRINTS

PROPOSED RETAINING WALL

PROPOSED SPOT ELEVATION

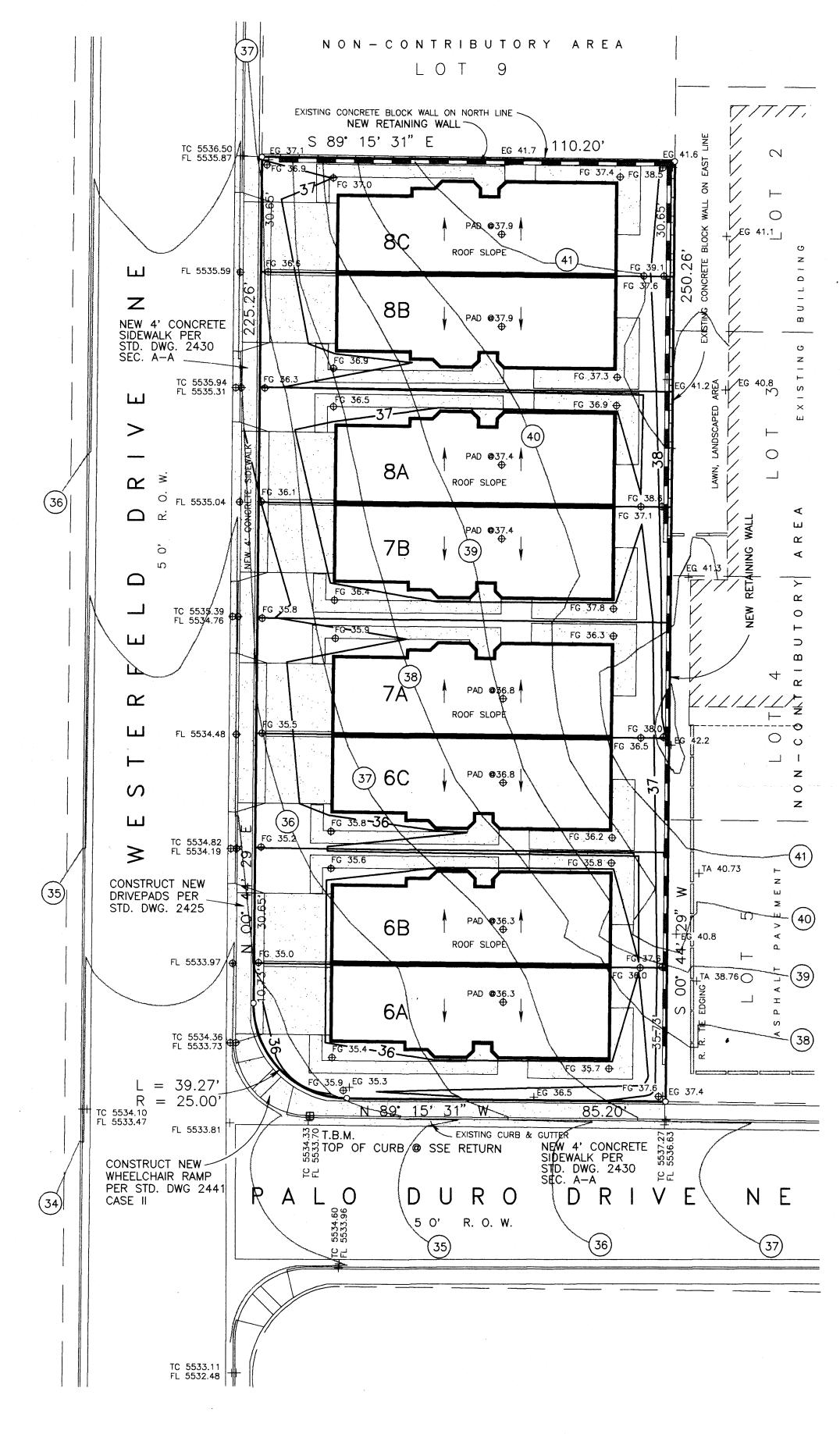
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APLICATION FOR THIS PERMIT.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE #5.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 5. BACKFILL AND COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE..
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.

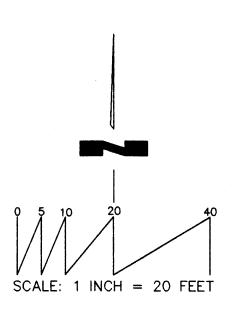
APPROVALS	NAME	DATE		
TRAFFIC				
INSPECTOR			PERMIT NO.	TMAP
A.C.E./FIELD			SHEET OF	NO.

PLVD MONTCOMERY NS MONTCOMERY CROSSING 5 77 MONTCOMERY CROSSING -2 VISTA

G-20-Z

8-21-1995





LEGEND EXISTING CONTOURS @ 1.0' INTERVALS -56 - PROPOSED CONTOURS @ 1.0' INTERVALS EXISTING SPOT ELEVATION PROPOSED SPOT ELEVATION ⊕FL_____ FLOW LINE TOP OF CURB PROPOSED CONCRETE SURFACING PROPOSED BUILDING FOOTPRINTS

PROPOSED RETAINING WALL

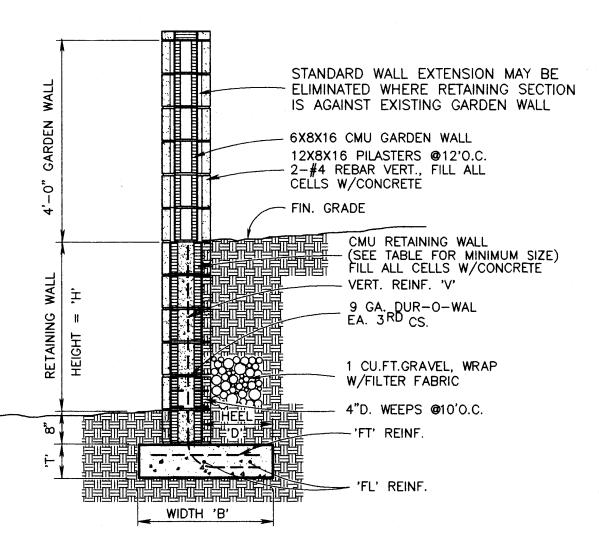
PROPOSED FINISH GRADES SHOWN ARE TO EARTH SURFACES AND DO NOT REPRESENT FINISH MATERIALS. PROPOSED CONTOURS SHOWN ARE FOR FINAL SURFACE PREPARATION AND INDICATION OF CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.

NOTICE TO CONTRACTOR

EXISTING WALL

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APPROVALS	NAME	DATE	•	
TRAFFIC		· .		
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WALL HEIGHT 'H'	MIN. BLOCK	FOOTING WIDTH 'B'	'D'	FTG. THK. 'T'	VERTICAL REINF. 'V'	TRANSVERSE REINF. 'FT'	CONTINUOUS REINF. 'FL'
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CONDITION	STORM RETURN PERIOD (TABLE 4)	TREATMENT TYPE	AREA	EXCESS PRECIP. (TAB.A-8)	PEAK RUNOFF)(TAB.A-9	RUNOFF VOLUME	RUNOF
	(INCHES	`CFS/AC	CU.FT.	CFS
EXISTING	100	A B C D	27447	0.66 0.92 1.29 2.36	1.87 2.60 3.45 5.02	2950	2.17
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		D	20464	1.50	3.39	2558	1.59
TOTALS	100 10		27447			4559 2767	3.70 1.78

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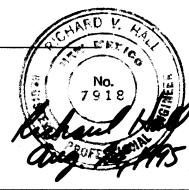
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