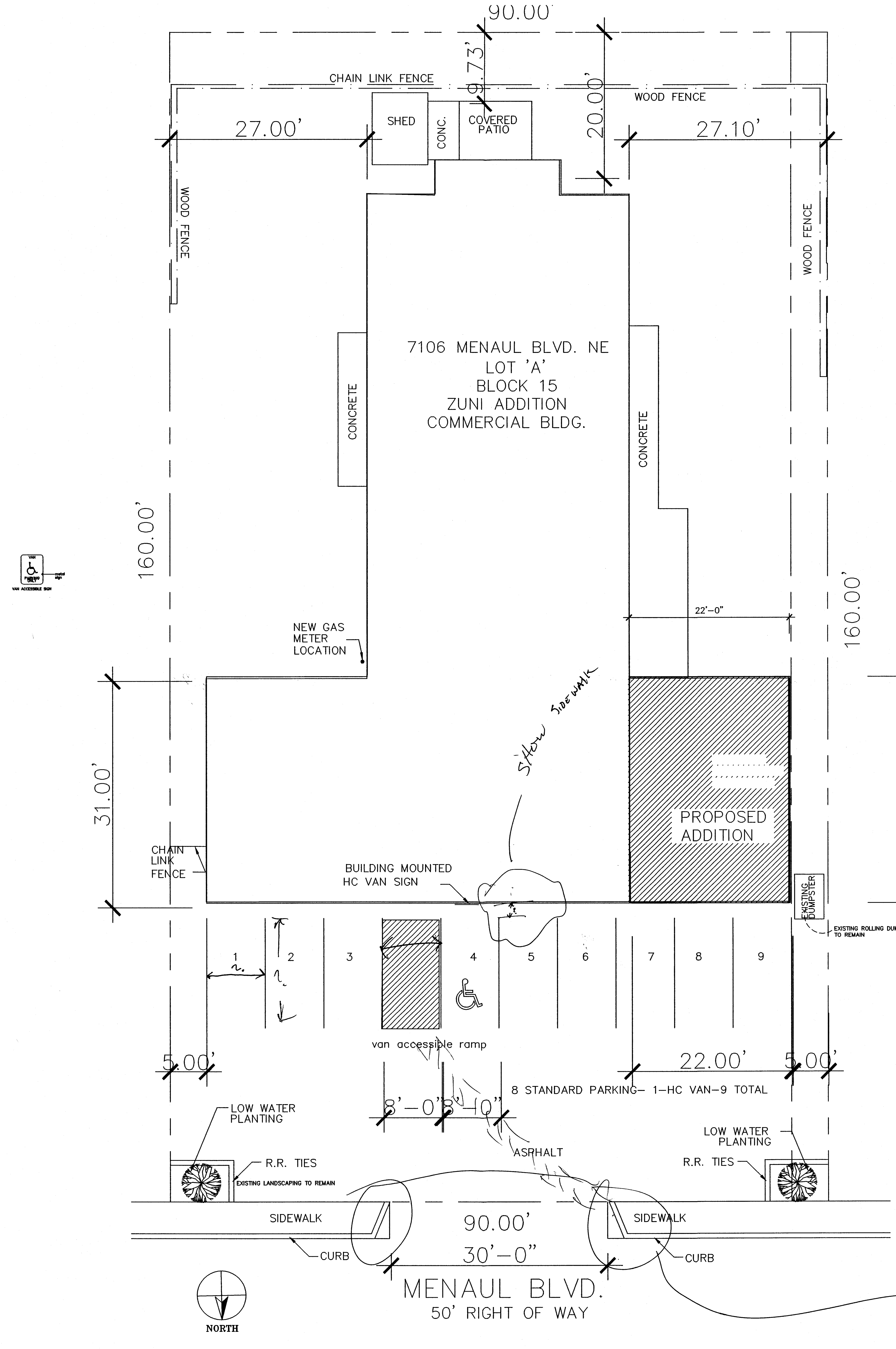
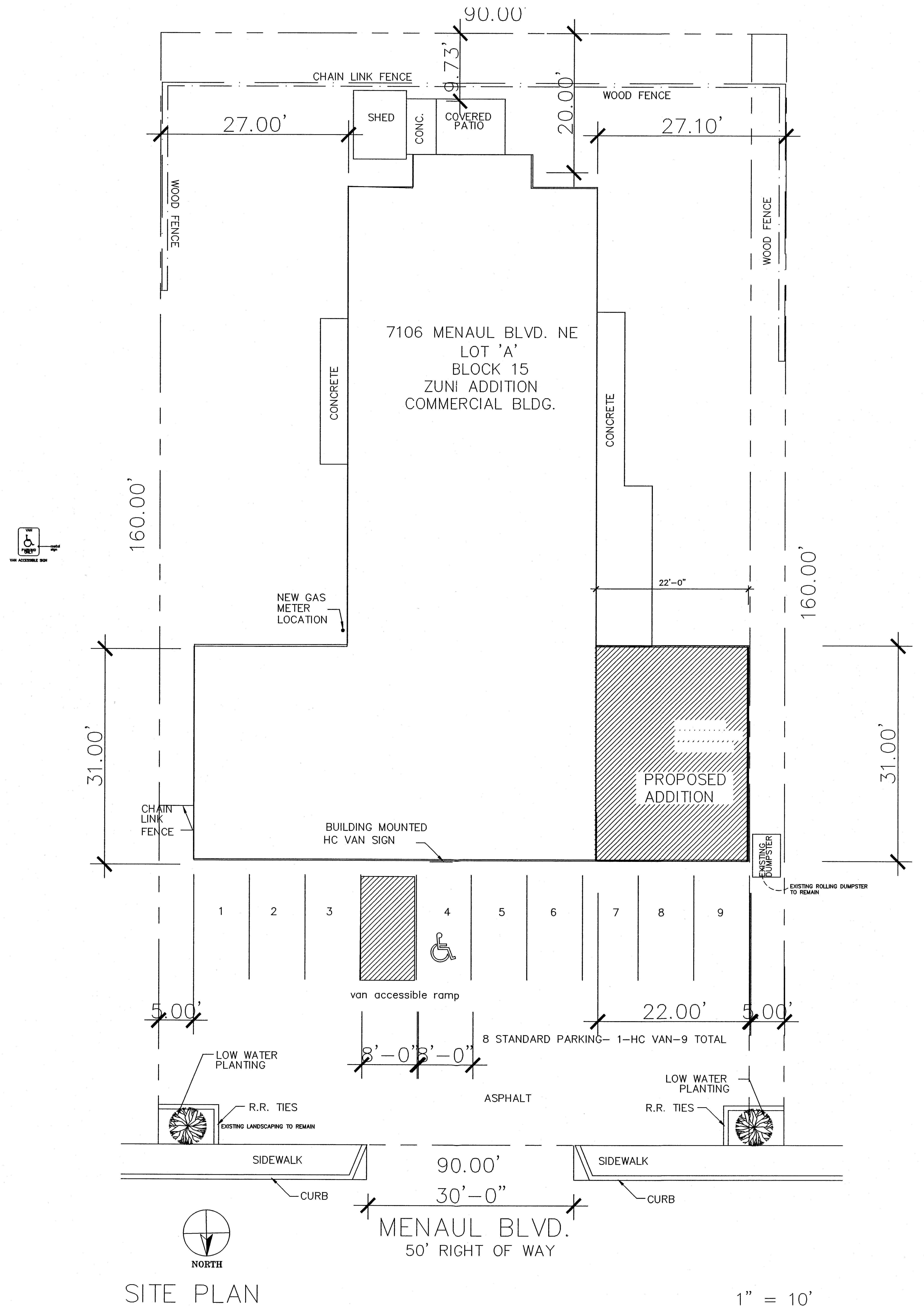
RECEIVED
APR 13 2006
HYDROLOGY SECTION



Is this ADA compliant?

SITE PLAN 1" = 10'

① Parking calc.s. req. by zoning.
② Vicinity map
③ Provide solid waste apprvl
④ Show ADA access to site from street.
⑤ Signed / stamped engineers or archit. seal.
⑥ Label all existing / proposed const.
⑦ Submit 4 plans with next submittal
⑧ Label width of existing sidewalk along Menaul

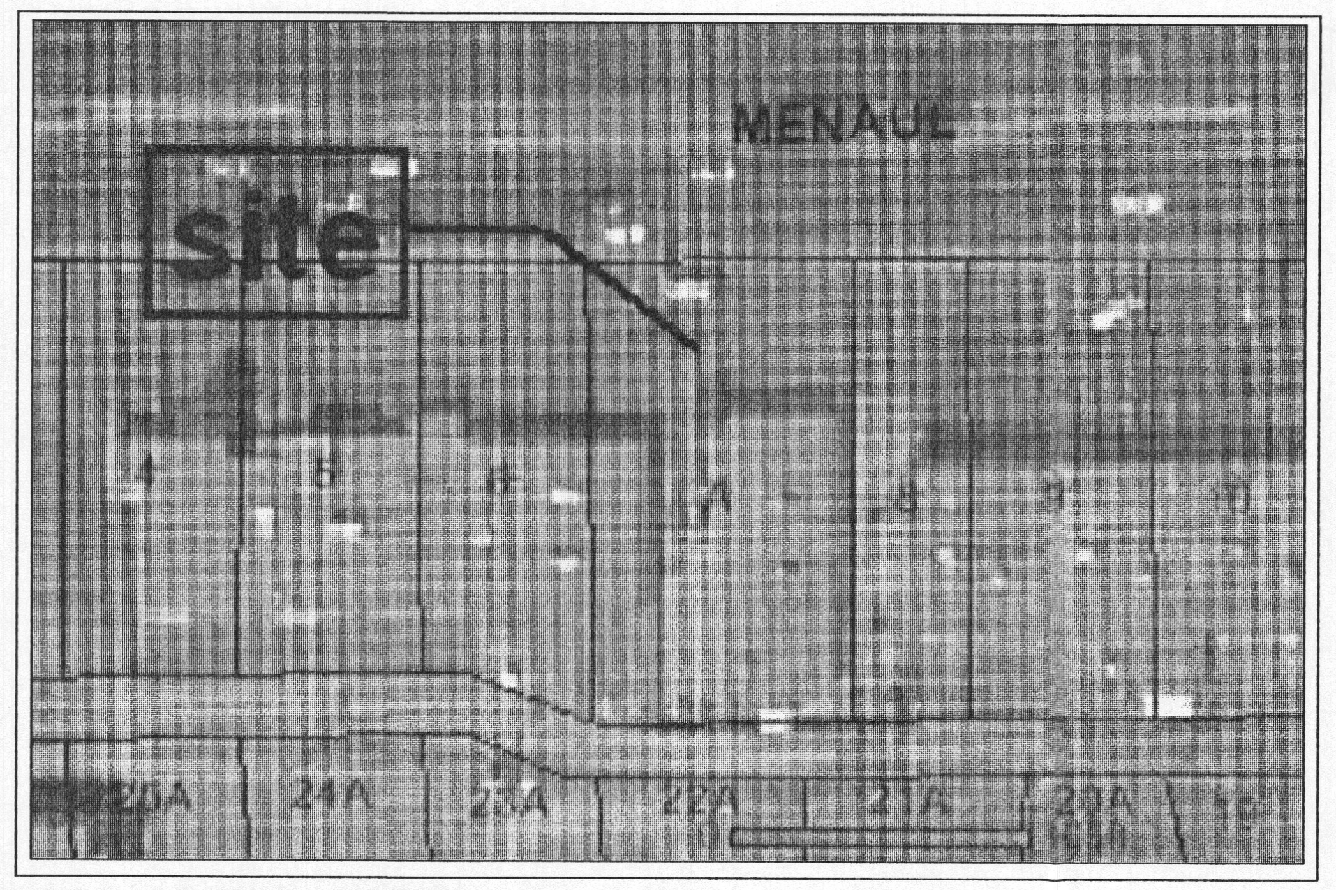


SITE PLAN

1" = 10'

FLOOD INSURANCE RATE MAP (FIRMETTE)

MAP NO. 352



2004 AERIAL PHOTO

GRADING PLAN LEGEND:

EXISTING	NEW	DESCRIPTION
—5284—	—84—	CONTOUR
84.00	84.00 ⌖	SPOT ELEVATION
——		PROPERTY LINE
← ← ←	← ← ←	SWALE
←	←	SHEET FLOW
	⇦	ROOF FLOW

LEGEND

BOC	=	BACK OF CURB	ER	=	EDGE OF ROAD
CC	=	CURB CUT	FIN.FLR	=	FINISH FLOOR
DI	=	DRAINAGE INLET	FL	=	FLOW LINE
EA	=	EDGE OF ASPHALT	FND	=	FOUND
EC	=	EDGE OF CONCRETE	FP	=	FENCE POST
EL	=	ELEVATION	G	=	GROUND
EOW	=	EDGE OF WALL	INV	=	INVERT

VICINITY MAP

ZONE ATLAS H-19-Z

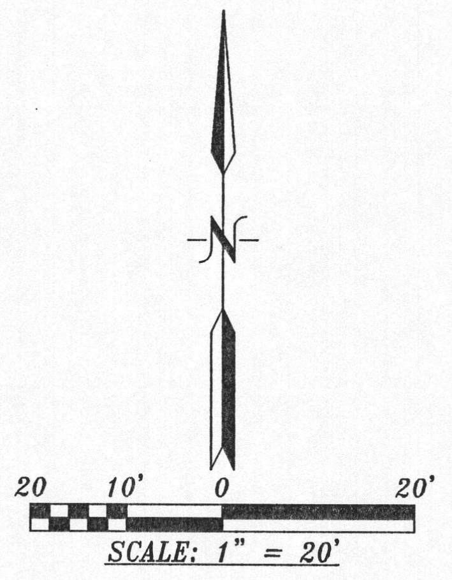
TOPOGRAPHIC SURVEY GENERAL NOTES :

1: CONTOUR INTERVAL IS ONE (1) FOOT.

2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "13-H19", HAVING AN ELEVATION OF 5315.869 .

3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.

5: THIS IS NOT A BOUNDARY SURVEY. BEARINGS AND DISTANCES SHOWN HEREON ARE FOR REFERENCE ONLY.



LEGAL DESCRIPTION

LOT A, BLOCK 15, ZUNI ADDITION.

DRAINAGE CONSIDERATIONS:

EXISTING CONDITIONS:

The site is located on the south side of Menaul Boulevard, the seventh lot East of Chama Street. The lots to the west are numbered 1 through 6 and the lots to the east are numbered 8 through 14. The letter designation is the result of a replat that combined the former Lot 7 and a portion of Lot 8 into Lot A. There is an existing building on the lot that begins approximately 48' from the north property line and ends approximately 10.5 feet from the south property line. The original building is approximately 3500 square feet and has an addition of 700 sf. which is on the east side. It is believed that the requirement for a drainage plan was waived for the previous addition.

The surface around the side and rear of the building is sand, except for a a slab and a few sidewalks. Sand is used in play areas because fewer injuries occur. The sand is 6 to 8 inches deep. The site is within a strip shopping center and all the front parking areas are paved with asphalt and slope toward Menaul Boulevard. There are no special drainage control features to prevent drainage from crossing lot lines or to convey drainage through sidewalk culverts. There is a 30' drivepad centered on the lot through which the drainage is routed. It appears that most of the drainage form the site will drain out through the existing 30' drivepad centered on Lot A. There is an alley at the rear of the lot. The existing and proposed development will not use it for drainage or access.

cross lot drainage easement?

PROPOSED CONDITIONS:

It is proposed to construct another addition to the existing building on the west side almost identical in size to the first addition. The increase in impervious area is very small. Except for 102 sq. ft., the addition is being constructed over existing pavement. The drainage in the rear of the site will remain where it falls.

What does this mean? Where does the flow currently fall?
Absorbed into sand (which covers the entire rear of the site), per Frank Lovelady

DRAINAGE CRITERIA:

The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque in cooperation with Bernalillo County, New Mexico and the Metropolitan Arroyo Flood Control Authority, January, 1993.

PRECIPITATION ZONE:

The site is east of San Mateo Boulevard and west of Eubank Boulevard. Therefore, it is with the limits of Precipitation Zone 3.

LAND TREATMENT AREAS, ETC.:

The peak discharge per acre and excess precipitation are shown for the four land treatments in Zone 3 in the table below, and the values shown are from the City of Albuquerque D.P.M. Also shown are the existing and proposed land treatment areas.

LAND	q(cfs/ac)		E (in)		Existing Site Areas			Developed Site Areas		
TREAT.	100-yr.	10-yr.	100-yr.	10-yr.	%	Sq.Ft.	Acres	%	Sq.Ft.	Acres
A	1.87	0.58	0.66	0.19	0.0	0	0.0000	0.0	0	0.0000
B	2.60	1.19	0.92	0.36	0.0	0	0.0000	0.0	0	0.0000
C	3.45	2.00	1.29	0.62	28.2	4,062	0.0932✓	28.2	3,960	0.0909✓
D	5.02	3.39	2.36	1.50	71.8	10,337	0.2373✓	71.8	10,439	0.2396✓
Totals					100.0	14,399	0.3305	100.0	14,399	0.3305

These percentages should have changed

C	27.49%
D	72.51%

PEAK DISCHARGE:

EXISTING CONDITIONS:

Q100 = 0.0932 * 3.45 + 0.2373 * 5.02 = 1.51 cfs✓
Q10 = 0.0932 * 2.00 + 0.2373 * 3.39 = 0.99 cfs

DEVELOPED CONDITIONS:

Q100 = 0.0909 * 3.45 + 0.2396 * 5.02 = 1.52 cfs✓
Q10 = 0.0909 * 2.00 + 0.2396 * 3.39 = 0.99 cfs

VOLUME, 100-YEAR AND 10-YEAR, 6-HOUR:

EXISTING CONDITIONS:

V100 = (4,062 * 1.29 + 10,337 * 2.36) / 12 = 2,470 cf
V10 = (4,062 * 0.62 + 10,337 * 1.50) / 12 = 1,502 cf

DEVELOPED CONDITIONS:

V100 = (3,960 * 1.29 + 10,439 * 2.36) / 12 = 2,479 cf
V10 = (3,960 * 0.62 + 10,439 * 1.50) / 12 = 1,509 cf

SUMMARY OF ON-SITE VOLUMES AND DISCHARGE RATES:

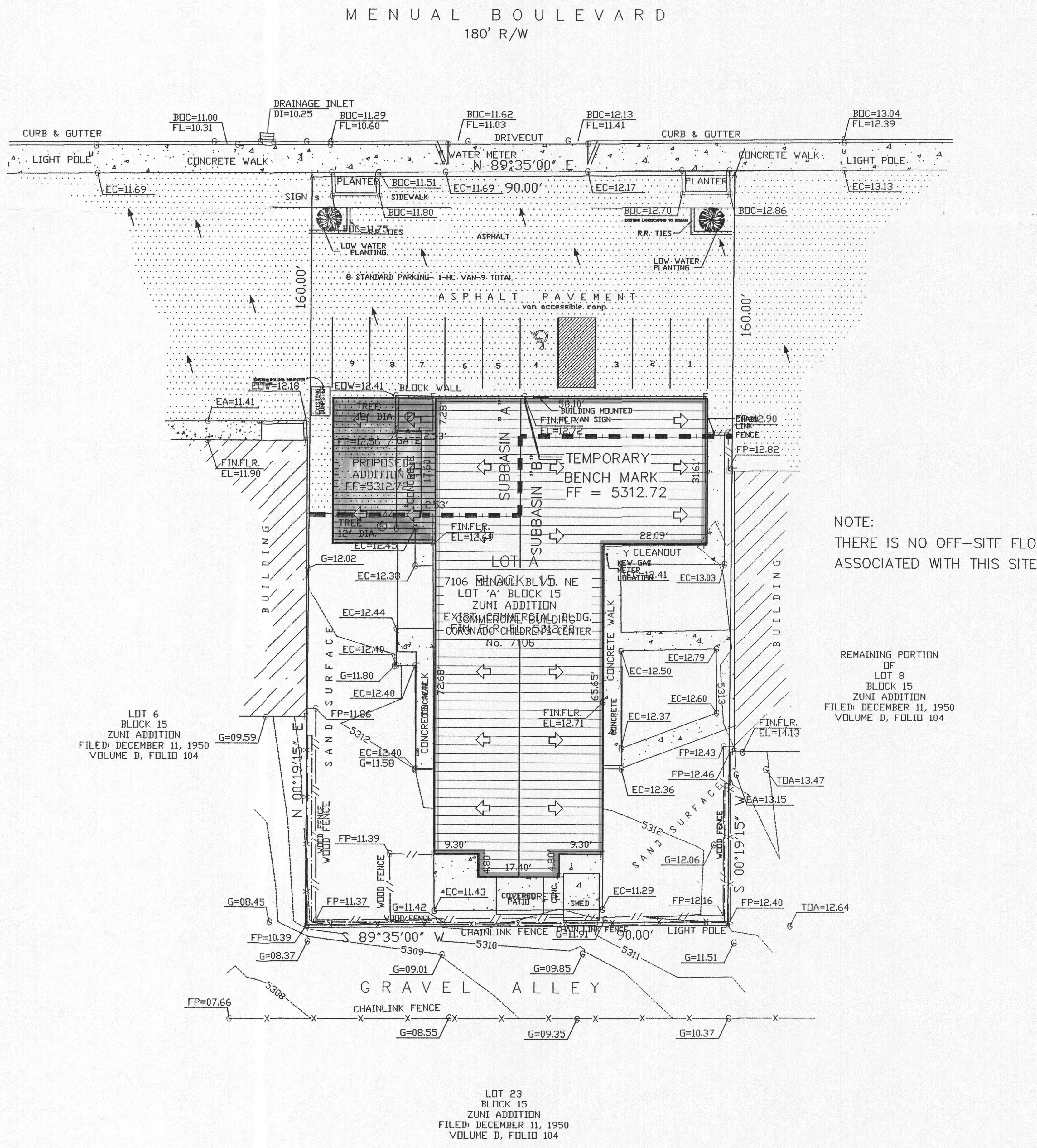
	V100(CF)	V10(CF)	Q100(CFS)	Q10(CFS)
DEVELOPED	2,479	1,509	1.52	0.99
EXISTING	2,470	1,502	1.51	0.99
INCREASE	9	7	0.01✓	0.00

DRAINAGE SUBBASINS:

Essentially, there are two subbasins. Subbasin 'A' which drains to the parking lot and eventually into Menaul Boulevard, and Subbasin 'B' which remains where it falls.

Subbasin 'A' Area = 5,760 sf (0.1322 Ac.), all Treatment D.
Q100 = 0.1322 x 5.02 = 0.66 cfs
Q10 = 0.1322 x 3.39 = 0.45 cfs
V100 = (5,760 x 1.29) / 12 = 619 cf
V10 = (5,760 x 1.50) / 12 = 345 cf

Subbasin 'B' Area = 14,399 sf - 5,760) = 8,639 sf (0.1983 ac.)
Q100 = 1.52 - 0.66 = 0.86 cfs
Q10 = 0.99 x 0.45 = 0.54 cfs
V100 = 2,479 - 619 = 1,860 cf
V10 = 1,509 - 345 = 1,164 cf



NOTE:
THERE IS NO OFF-SITE FLOW ASSOCIATED WITH THIS SITE.✓

GENERAL NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATIONS OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF OR DURING ANY EXCAVATION WORK.
THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHTS-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

EROSION CONTROL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONPLIANCE WITH THE FOLLOWING:

1. NO SEDIMENT-BEARING WATER SHALL BE ALLOWED TO DISCHARGE FROM THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING BY RUNOFF FROM THE SITE.
3. SHOULD THE CONTRACTOR FAIL TO PREVENT SEDIMENT-BEARING WATER FROM ENTERING PUBLIC RIGHT-OF-WAY, HE SHALL PROMPLTY REMOVE FROM THE PUBLIC RIGHT-OF-WAY ANY AND ALL SEDIMENT ORIGINATING FROM THE SITE.
4. CONTROL OF SEDIMENT-LADEN WATERS WILL BE ACCOMPLISHED BY USE OF A COMPACTED EARTH BERM OF ADEQUATE HEIGHT. THE BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETER OF THE PROPERTY.

FRANK D. LOVELADY
6512
APRIL 13, 2006

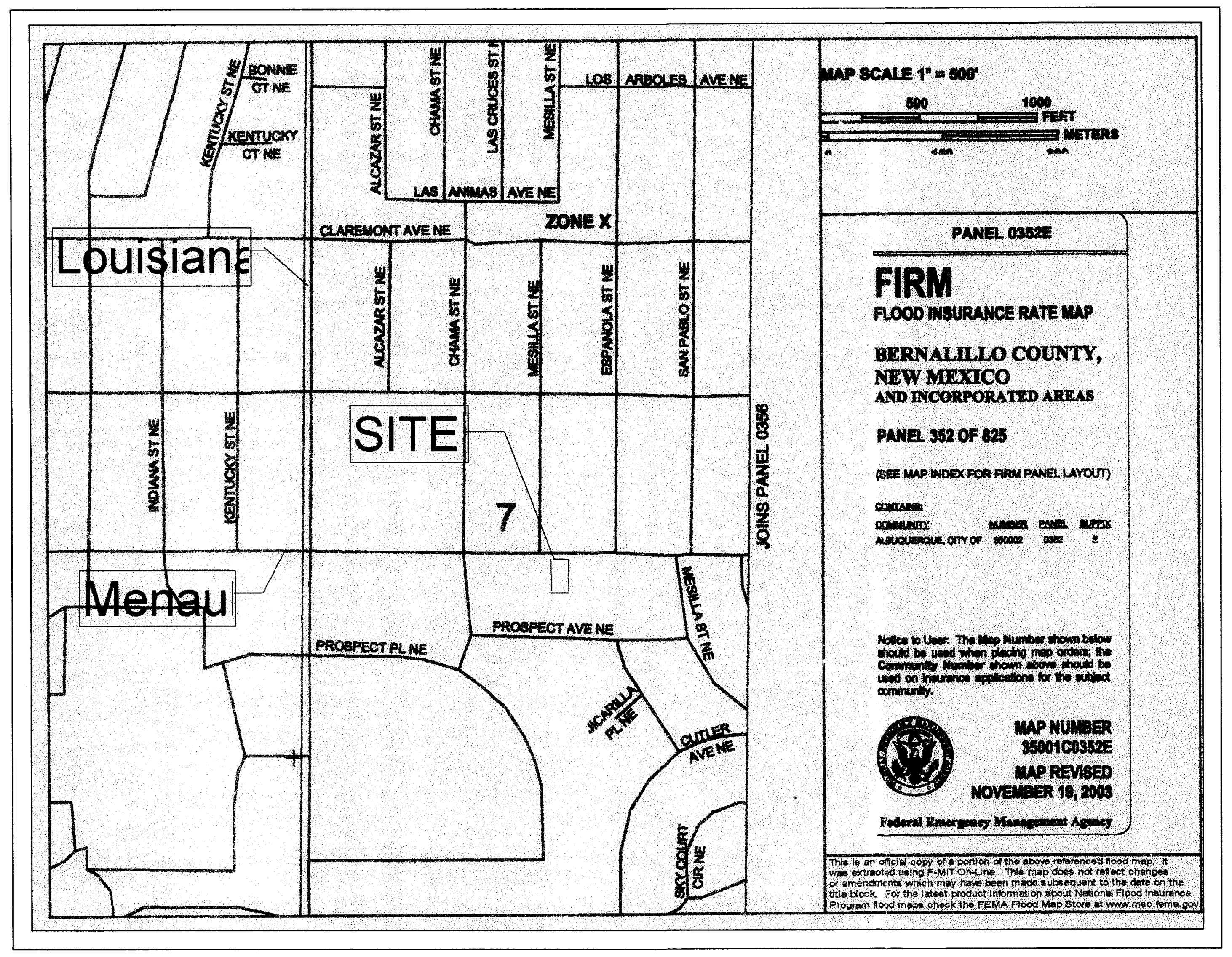
GRADING AND DRAINAGE PLAN
CORONADO CHILDRENS CENTER
4106 MENAUL BLVD. NE
ALBUQUERQUE, NEW MEXICO

FRANK D. LOVELADY, P.E.
(505) 345-2267 * Fax (505) 345-2115 * 300 ALAMOSA RD. NW * Albuquerque, NM * 87107

JOB NO: 694
DATE: APRIL 13, 2006
REVISIONS

SHEET NO.
1 OF 1

O:\All Proj\Proj676-700\Proj694\GRADING PLAN\4106 MENAUL- GP.DWG (APRIL 13, 2006)



FLOOD INSURANCE RATE MAP (FIRMETTE) **MAP NO. 352**

CERTIFICATION WITH VERFICATION BY ENGINEER OF RECORD

I, FRANK D. LOVELADY, NMPE 6512 OF THE FIRM FRANK D. LOVELADY P.E. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLINACE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 04-13-2006 . THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBAINED BY ME.

I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 07-26-06 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 PERMANANT CERTIFICATE OF OCCUPANCY.

CORRECTIONS:
NEW CONCRETE SLAB WAS PLACED ON THE WEST AND SOUTH SIDES OF THE ADDITION. ALSO, SOME PROPOSED SLABS SHOWN ON THE SITE PLAN WERE NOT PUT IN. DRAINAGE CALCULATIONS WERE REVISED ACCORDINGLY.

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.

FRANK D. LOVELADY Frank D Lovelady
NMPE 6512

JULY 28, 2006
DATE

FRANK D. LOVELADY
NEW MEXICO
6512
REGISTERED PROFESSIONAL ENGINEER

GRADING PLAN LEGEND:

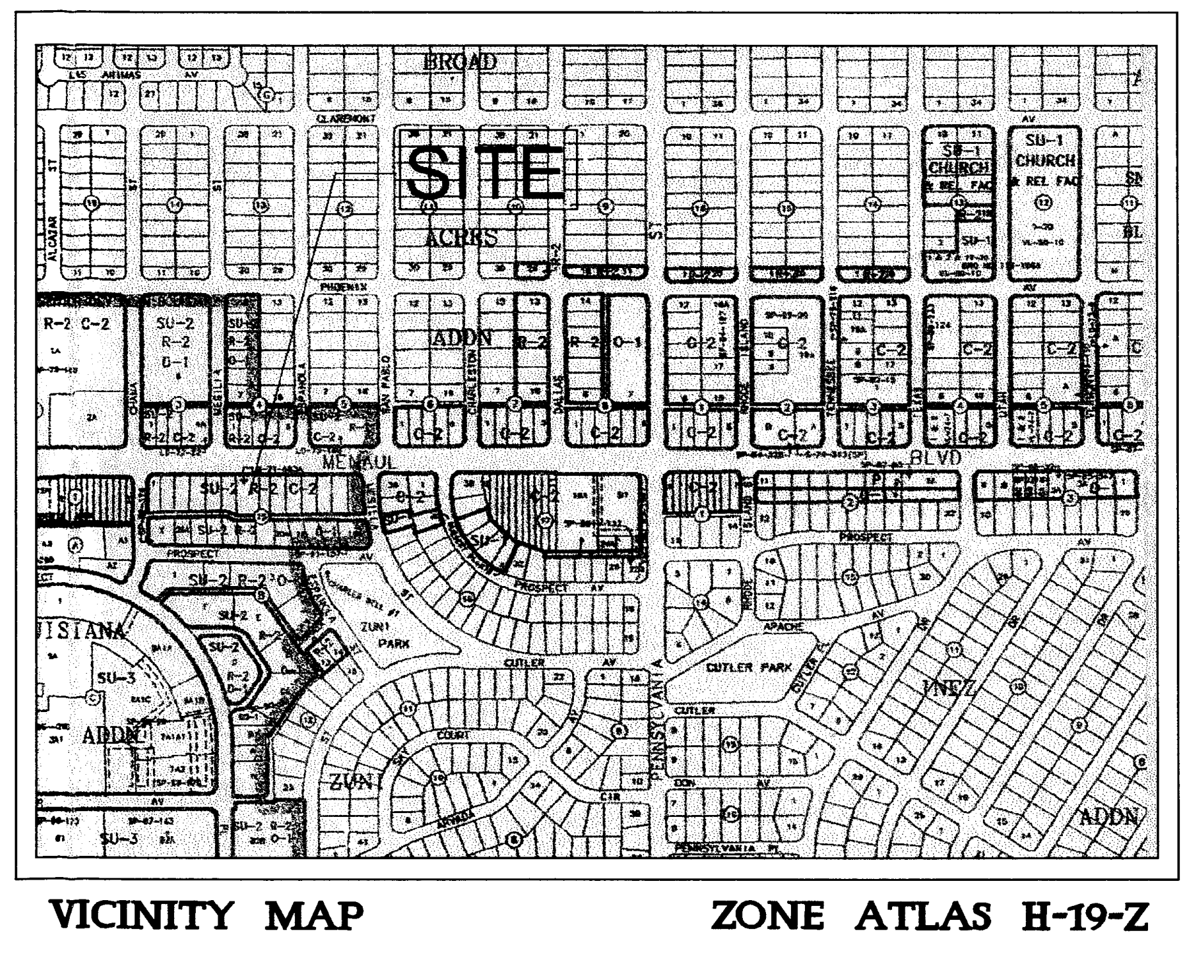
EXISTING	NEW	DESCRIPTION
5284	84	CONTOUR
84.00	84.00 ⌖	SPOT ELEVATION
———		PROPERTY LINE
← ← ←	← ← ←	SWALE
←	←	SHEET FLOW
	⇦	ROOF FLOW

LEGEND

BOC	=	BACK OF CURB	ER	=	EDGE OF ROAD
CC	=	CURB CUT	FIN.FLR	=	FINISH FLOOR
DI	=	DRAINAGE INLET	FL	=	FLOW LINE
EA	=	EDGE OF ASPHALT	FND	=	FOUND
EC	=	EDGE OF CONCRETE	FP	=	FENCE POST
EL	=	ELEVATION	G	=	GROUND
EOW	=	EDGE OF WALL	INV	=	INVERT

TOPOGRAPHIC SURVEY GENERAL NOTES :

1: CONTOUR INTERVAL IS ONE (1) FOOT.
2: ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION No. "13–H19", HAVING AN ELEVATION OF 5315.869 .
3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS–BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/ OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
5: THIS IS NOT A BOUNDARY SURVEY. BEARINGS AND DISTANCES SHOWN HEREON ARE FOR REFERENCE ONLY.



VICINITY MAP **ZONE ATLAS H-19-Z**

LEGAL DESCRIPTION

LOT A, BLOCK 15, ZUNI ADDITION.

DRAINAGE CONSIDERATIONS:

EXISTING CONDITIONS:

The site is located on the south side of Menaul Boulevard, the seventh lot East of Chama Street. The lots to the west are numbered 1 through 6 and the lots to the east are numbered 8 through 14. The letter designation is the result of a replat that combined the former Lot 7 and a portion of Lot 8 into Lot A. There is an existing building on the lot that begins approximately 48′ from the north property line and ends approximately 10.5 feet from the south property line. The original building is approximately 3500 square feet and has an addition of 700 sf. which is on the east side. It is believed that the requirement for a drainage plan was waived for the previous addition.

The surface around the side and rear of the building is sand, except for a a slab and a few sidewalks. Sand is used in play areas because fewer injuries occur. The sand is 6 to 8 inches deep. The site is within a strip shopping center and all the front parking areas are paved with asphalt and slope toward Menaul Boulevard. There are no special drainage control features to prevent drainage from crossing lot lines or to convey drainage through sidewalk culverts. There is a 30′ drivepad centered on the lot through which the drainage is routed. It appears that most of the drainage form the site will drain out through the existing 30′ drivepad centered on Lot A. There is an alley at the rear of the lot. The existing and proposed development will not use it for drainage or access.

PROPOSED CONDITIONS:

It is proposed to construct another addition to the existing building on the west side almost identical in size to the first addition. The increase in impervious area is very small. Except for 102 sq. ft., the addition is being constructed over existing pavement. The drainage in the rear of the site will remain where it falls.

DRAINAGE CRITERIA:

The calculations shown on this plan were prepared in accordance with Section 22.2, Hydrology, of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque in cooperation with Bernalillo County, New Mexico and the Metropolitan Arroyo Flood Control Authority, January, 1993.

PRECIPITATION ZONE:

The site is east of San Mateo Boulevard and west of Eubank Boulevard. Therefore, it is with the limits of Precipitation Zone 3.

LAND TREATMENT AREAS, ETC.:

The peak discharge per acre and excess precipitation are shown for the four land treatments in Zone 3 in the table below, and the values shown are from the City of Albuquerque D.P.M. Also shown are the existing and proposed land treatment areas.

LAND	q(cfs/ac)		E (in)		Existing Site Areas			Developed Site Areas		
TREAT.	100-yr.	10-yr.	100-yr.	10-yr.	%	Sq.Ft.	Acres	%	Sq.Ft.	Acres
A	1.87	0.58	0.66	0.19	0.0	0	0.0000	0.0	0	0.0000
B	2.60	1.19	0.92	0.36	34.6	4,986	0.1144	26.6	3,825	0.0878
C	3.45	2.00	1.29	0.62	0.0	0	0.0000	0.0	0	0.0000
D	5.02	3.39	2.36	1.50	65.4	9,413	0.2161	73.4	10,574	0.2427
Totals					100.0	14,399	0.3305	100.0	14,399	0.3305

PEAK DISCHARGE:

EXISTING CONDITIONS:

$Q100 = 0.1144 * 2.60 + 0.2161 * 5.02 = 1.38$ cfs
$Q10 = 0.1144 * 1.19 + 0.2161 * 3.39 = 0.87$ cfs

DEVELOPED CONDITIONS:

$Q100 = 0.0878 * 2.60 + 0.2427 * 5.02 = 1.45$ cfs
$Q10 = 0.0878 * 1.19 + 0.2427 * 3.39 = 0.93$ cfs

VOLUME, 100-YEAR AND 10-YEAR, 6-HOUR:

EXISTING CONDITIONS:

$V100 = (4,986 * 0.92 + 9,413 * 2.36) / 12 = 2,233$ cf
$V10 = (4,986 * 0.36 + 9,413 * 1.50) / 12 = 1,326$ cf

DEVELOPED CONDITIONS:

$V100 = (3,825 * 0.92 + 10,574 * 2.36) / 12 = 2,373$ cf
$V10 = (3,825 * 0.36 + 10,574 * 1.50) / 12 = 1,436$ cf

SUMMARY OF ON-SITE VOLUMES AND DISCHARGE RATES:

	V100(CF)	V10(CF)	Q100(CFS)	Q10(CFS)
DEVELOPED	2,479	1,509	1.52	0.99
EXISTING	2,470	1,502	1.51	0.99
INCREASE	9	7	0.01	0.00

SUMMARY OF ON-SITE VOLUMES AND DISCHARGE RATES (REVISED):

	V100(CF)	V10(CF)	Q100(CFS)	Q10(CFS)
DEVELOPED	2,373	1,436	1.45	0.93
EXISTING	2,233	1,326	1.38	0.87
INCREASE	140	110	0.07	0.06

DRAINAGE SUBBASINS:

Essentially, there are two subbasins. Subbasin 'A' which drains to the parking lot and eventually into Menaul Boulevard, and Subbasin 'B' which remains where it falls.

Subbasin 'A' Area = 5,760 sf (0.1322 Ac.), all Treatment D.

$Q100 = 0.1322 \times 5.02 = 0.66$ cfs
$Q10 = 0.1322 \times 3.39 = 0.45$ cfs
$V100 = (5,760 \times 1.29) / 12 = 619$ cf
$V10 = (5,760 \times 1.50) / 12 = 345$ cf

Subbasin 'B' Area = 14,399 sf - 5,760) = 8,639 sf (0.1983 ac.)

$Q100 = 1.52 - 0.66 = 0.86$ cfs
$Q10 = 0.99 \times 0.45 = 0.54$ cfs
$V100 = 2,479 - 619 = 1,860$ cf
$V10 = 1,509 - 345 = 1,164$ cf

UPDATED DRAINAGE SUBBASIN CALCS:

Drainage Subbasin 'A' increased slightly as explained in the note at right.

Subbasin 'A' Area = 5,760 sf
+ 277 sf = 6,037 sf (0.1386 Ac.), all Treatment D.

$Q100 = 0.1386 * 5.02 = 0.66$ cfs
$Q10 = 0.1386 * 3.39 = 0.45$ cfs
$V100 = (6,037 * 2.36) / 12 = 1,187$ cf
$V10 = (6,037 * 1.50) / 12 = 755$ cf

Subbasin 'B' Area = 14,399 sf - 6,037) = 8,362 sf (0.1920 ac.)

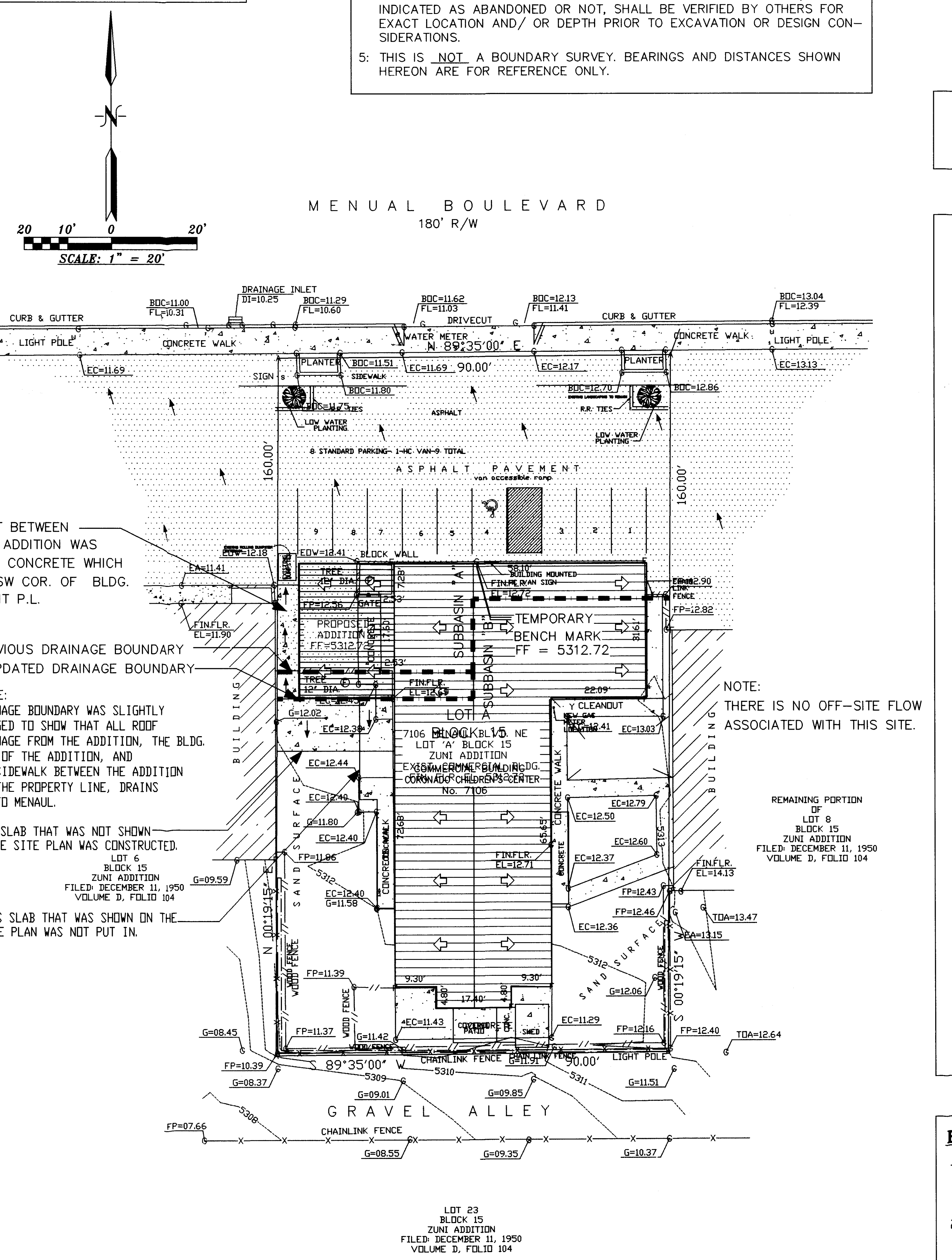
Treat. D	
Exist. Sidewalks, E. Side	859 sf
Exist. Sidewalks, W. Side	148 sf
Exist. Sidewalks, S. Side	339 sf
New Conc. Slab	324 sf
Exist. Building	2,867 sf
Total Treatment D	4,537 sf (0.1042 ac.)

Since the unsurfaced areas consist of a rather deep layer of sand, it is presumed that the runoff characteristics would be more similar to Treatment B than Treatment C.
Area of Treatment B is 8,362 sf - 4,537 sf = 3,825 sf (0.0878 ac.)

$Q100 = 0.0878$ ac $* 2.60$ cfs/ac $+ 0.1042$ ac $* 5.02$ cfs/ac $= 0.75$ cfs
$Q10 = 0.0878$ ac $* 1.19$ cfs/ac $+ 0.1042$ ac $* 3.39$ cfs/ac $= 0.46$ cfs
$V100 = (3,825 * 0.92 + 4,537 * 2.36) / 12 = 1,186$ cf
$V10 = (3,825 * 0.36 + 4,537 * 1.50) / 12 = 682$ cf

UPDATED SUMMARY OF SUBBASIN VOLUMES AND DISCHARGE RATES:

	V100(CF)	V10(CF)	Q100(CFS)	Q10(CFS)
SUBBASIN A	1,187	755	0.70	0.46
SUBBASIN B	1,186	682	0.75	0.46
TOTALS	2,373	1,437	1.45	0.92



EXIST. ASPHALT BETWEEN P.L. WALL AND ADDITION WAS REPLACED WITH CONCRETE WHICH SLOPES FROM SW COR. OF BLDG. ADDN. TO FRONT P.L.

PREVIOUS DRAINAGE BOUNDARY

UPDATED DRAINAGE BOUNDARY

NOTE:
DRAINAGE BOUNDARY WAS SLIGHTLY CHANGED TO SHOW THAT ALL ROOF DRAINAGE FROM THE ADDITION, THE BLDG. EAST OF THE ADDITION, AND THE SIDEWALK BETWEEN THE ADDITION AND THE PROPERTY LINE, DRAINS OUT TO MENAUL.

THIS SLAB THAT WAS NOT SHOWN ON THE SITE PLAN WAS CONSTRUCTED.

THIS SLAB THAT WAS SHOWN ON THE SITE PLAN WAS NOT PUT IN.

NOTE:
THERE IS NO OFF–SITE FLOW ASSOCIATED WITH THIS SITE.

GENERAL NOTES

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATIONS OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF OR DURING ANY EXCAVATION WORK.
THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHTS–OF–WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

EROSION CONTROL NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONPLIANCE WITH THE FOLLOWING:

1. NO SEDIMENT-BEARING WATER SHALL BE ALLOWED TO DISCHARGE FROM THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED, ALL ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING BY RUNOFF FROM THE SITE.
3. SHOULD THE CONTRACTOR FAIL TO PREVENT SEDIMENT-BEARING WATER FROM ENTERING PUBLIC RIGHT-OF-WAY, HE SHALL PROMPLTY REMOVE FROM THE PUBLIC RIGHT-OF-WAY ANY AND ALL SEDIMENT ORIGINATING FROM THE SITE.
4. CONTROL OF SEDIMENT-LADEN WATERS WILL BE ACCOMPLISHED BY USE OF A COMPACTED EARTH BERM OF ADEQUATE HEIGHT. THE BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETER OF THE PROPERTY.

RECEIVED
JUL 31 2006
HYDROLOGY SECTION

FRANK D. LOVELADY
NEW MEXICO
6512
REGISTERED PROFESSIONAL ENGINEER
APRIL 13, 2006
REVISED 07/28/06

CERTIFIED GRADING AND DRAINAGE PLAN
CORONADO CHILDRENS CENTER
~~4106~~ 7106 MENAUL BLVD. NE
ALBUQUERQUE, NEW MEXICO

FRANK D. LOVELADY, P.E.
(505) 345-2267 * Fax (505) 345-2115 * 300 ALAMOSA RD. NW * Albuquerque, NM * 87107

JOB NO:	694
DATE:	REVISIONS

SHEET NO.
1
OF
1

C:\All Proj\Proj\676-700\Proj694\GRADING PLAN\4106 MENAUL- GP.DWG (JULY 28, 2006)