

LEGAL DESCRIPTION

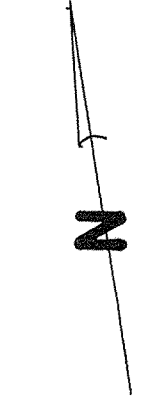
BLOCKS 4 & 5 FRANCISCO ARMIJO Y OTERO ADD.

CITY BENCHMARK

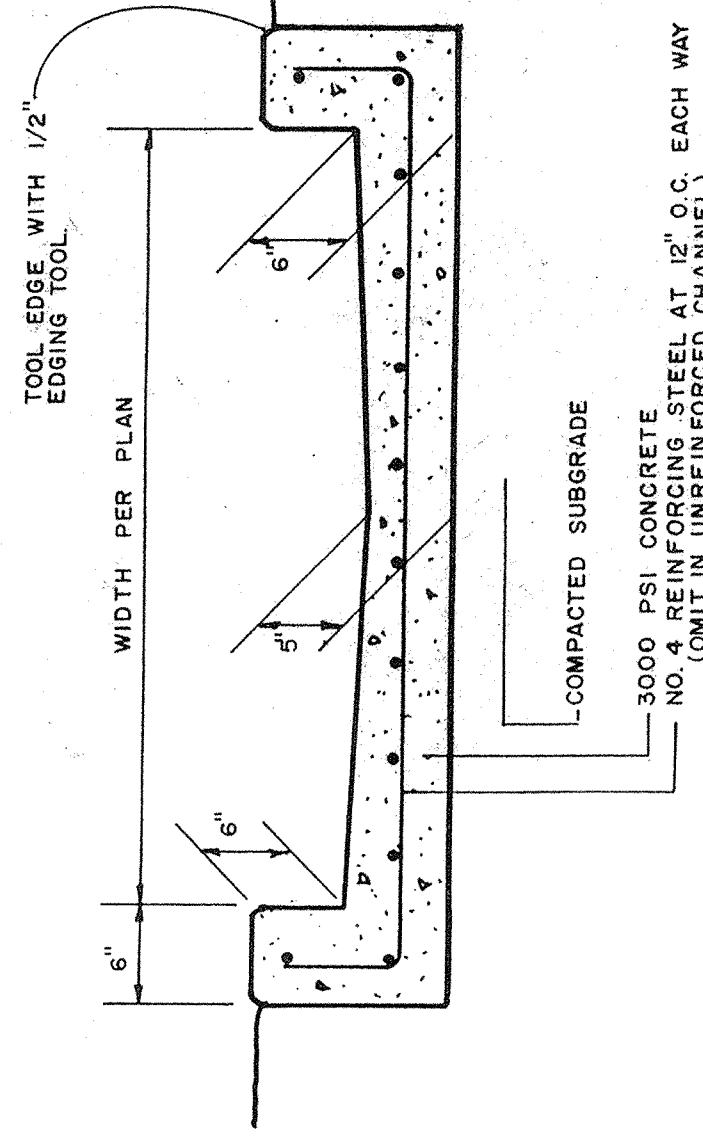
ACS 2-J14R
ACS DISK IN SIDEWALK AT THE NORTHWEST CORNER OF
THE FOURTH STREET/LOMAS BLVD INTERSECTION.

ELEVATION 4854.40

SCALE 1"=20'



RECTANGULAR CHANNEL



LEGEND

TEM	TEMPORARY BENCHMARK
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOW LINE
TA	TOP OF ASPHALT
TCP	TOP OF CONCRETE
TC	TOP OF CURB
TP	TOP OF PAD
TS	TOP OF SIDEWALK
TW	TOP OF WALL
FH	FIRE HYDRANT
WM	WATER METER
WV	WATER VALVE
MH	MANHOLE
GM	GAS METER
GV	GAS VALVE
LP	LIGHT POLE
PP	POWER POLE
GW	GW WIRE
RD	ROOF DRAINAGE
PD	ELEC. OR TEL. PEDESTAL
FMA	FEMA FIRM BOUNDARY
DB	DRAINAGE BASIN BOUNDARY
EX	EXISTING CONTOUR
PC	PROPOSED CONTOUR
EE	EXISTING ELEVATION
XX.XX	PROPOSED ELEVATION
AS-B	AS-BUILT ELEVATION

CONSTRUCTION APPROVAL

- NOTICE TO CONTRACTOR
- An excavation/construction permit will be required before beginning any excavation or construction work. The permit application and fee must be submitted to the City of Albuquerque, NM, Department of Public Works, Engineering Division, at least 10 business days prior to the start of work. An approved copy of the permit must be submitted to the Engineer at the time of construction.
 - All work within the City Right-of-Way (ROW) shall be performed in accordance with the City of Albuquerque, NM, Department of Public Works, Engineering Division, Specifications for Public Works Construction, 200-1990 Edition. The Engineer shall be responsible for obtaining all necessary permits and approvals from the City of Albuquerque, NM, Department of Public Works, Engineering Division, and the City of Albuquerque, NM, Department of Public Works, Planning Division.
 - Two (2) working days prior to any excavation, the Contractor must submit a detailed plan of the excavation to the Engineer for review and approval. The plan shall include the location, depth, and extent of the excavation, and shall be in accordance with the City of Albuquerque, NM, Department of Public Works, Engineering Division, Specifications for Public Works Construction, 200-1990 Edition.
 - Prior to excavation, the Contractor shall locate and verify the location of all underground utilities. The Contractor shall be responsible for obtaining all necessary permits and approvals from the City of Albuquerque, NM, Department of Public Works, Engineering Division, and the City of Albuquerque, NM, Department of Public Works, Planning Division.
 - Bedrock excavation shall be according to the City of Albuquerque, NM, Department of Public Works, Engineering Division, Specifications for Public Works Construction, 200-1990 Edition.
 - Owner of the property served.

APPROVALS	NAME	DATE
A.C.E. / DESIGN	David Martinez	10/14/92
INSPECTOR		
A.C.E. / FIELD		

CONSTRUCTION NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT THE CITY OF ALBUQUERQUE, NM, DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ALBUQUERQUE, NM, DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION, AND THE CITY OF ALBUQUERQUE, NM, DEPARTMENT OF PUBLIC WORKS, PLANNING DIVISION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE, NM, DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION, SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 200-1990 EDITION, AND THE CITY OF ALBUQUERQUE, NM, DEPARTMENT OF PUBLIC WORKS, PLANNING DIVISION, SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 200-1990 EDITION.

DRAINAGE DATA

CONDITION	STORM RETURN PERIOD (YEAR)	TREATMENT TYPE	TREATMENT AREA (SQ. FT.)	PRECIPITATION (IN.)	EXCESS (IN.)	PEAK RUNOFF (CFS/ACRE)	RUNOFF VOLUME (CU. FT.)	RUNOFF RATE (CFS)
EXISTING	100	D	100634	2.12	4.70	17779	10.86	7.25
PROPOSED	100	D	100634	1.34	3.14	11237	7.25	1.30
PROPOSED	100	D	12068	2.12	4.70	2093	1.28	1.59
PROPOSED	100	D	14333	2.12	4.70	2532	1.16	1.20
PROPOSED	100	D	10729	2.12	4.70	1958	1.54	2.84
PROPOSED	100	D	11085	2.12	4.70	2523	1.54	2.84
PROPOSED	100	D	14283	2.12	4.70	2523	1.54	2.84
PROPOSED	100	D	26288	2.12	4.70	4644	2.84	2.84

BASIN OUTLETS

BASIN A

$Q = CLH^{1.5} = 2.8(L)(0.45)^{1.5} = 1.30$ cfs

$L = 1.54$ ft. USE $L = 1'-6"$

BASIN B

$Q = CLH^{1.5} = 2.8(L)(0.45)^{1.5} = 1.28$ cfs

$L = 1.51$ ft. USE $L = 1'-6"$

BASIN C

$Q = CLH^{1.5} = 2.8(L)(0.45)^{1.5} = 1.55$ cfs

$L = 1.83$ ft. USE $L = 1'-10"$

BASIN D

$Q = CLH^{1.5} = 2.8(L)(0.45)^{1.5} = 1.16$ cfs

$L = 1.37$ ft. USE $L = 1'-4"$

VICINITY MAP J-14



FEMA FIRM NO. 28



DRAINAGE CONDITIONS

EXISTING CONDITION
THE SITE IS PRESENTLY DEVELOPED AS A PAVE PARKING LOT. DRAINAGE DISCHARGES FROM THE SITE IN SHEET FLOW FROM THE RIDGE TO BOTH SECOND AND THIRD STREETS. THERE IS NO CURB ALONG THE EDGES OF THE PARKING LOT. DRAINAGE DISCHARGES FROM THE SITE IN SHEET FLOW FLAT GRADES IN THE LOT (LESS THAN 0.3%) THERE ARE NUMEROUS "BIRD BATHS".

PROPOSED CONDITION

THE EXISTING PAVING IS TO BE REMOVED. THE SITE IS TO BE REPAVED AND REPAVED. EXISTING DRAINAGE IS TO BE MAINTAINED. GRADES ARE TO BE INCREASED TO A MINIMUM OF 0.3% AND CURBS ARE TO BE PLACED AROUND THE LOT PER DETAIL AT RIGHT. DRAINAGE TO THE DRIVES OR NEW SIDEWALK CULVERTS.

CONCLUSIONS

DISCHARGE RATES AND VOLUMES WILL REMAIN UNCHANGED. SHEET FLOW ACROSS PUBLIC SIDEWALKS WILL BE ELIMINATED. PARKING LOT "NUISANCE PONDING" WILL BE ELIMINATED. THE SITE IS NOT LOCATED IN A FLOOD HAZARD AREA PER FEMA FIRM NO. 28, DATED OCTOBER 14, 1993.