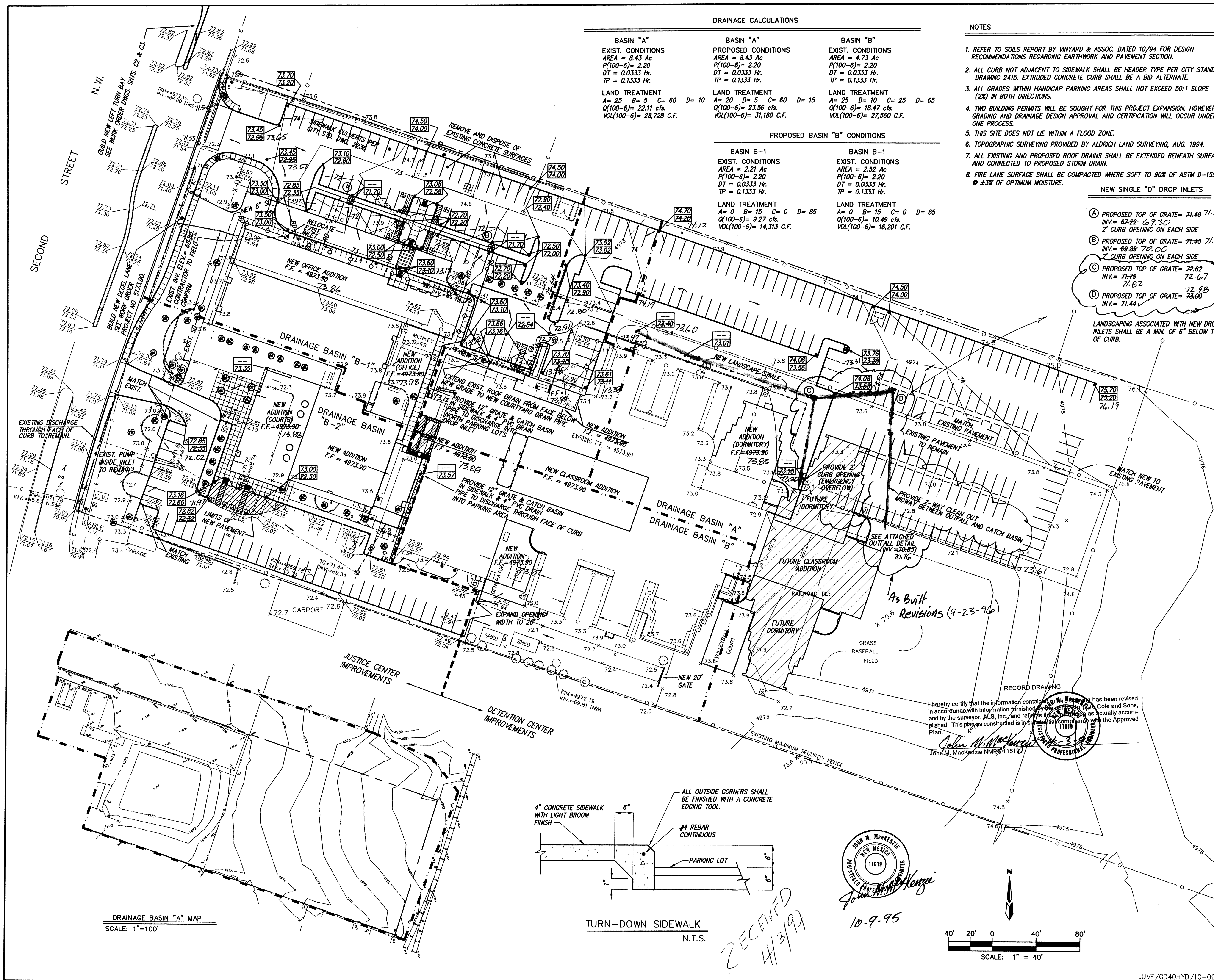




DRAINAGE CALCULATIONS		
BASIN "A" EXIST. CONDITIONS AREA = 8.43 Ac P(100-6) = 2.20 DT = 0.0333 Hr. TP = 0.1333 Hr. LAND TREATMENT A = 25 B = 5 C = 60 D = 10 Q(100-6) = 22.11 cfs. VOL(100-6) = 28,728 C.F.	BASIN "A" PROPOSED CONDITIONS AREA = 8.43 Ac P(100-6) = 2.20 DT = 0.0333 Hr. TP = 0.1333 Hr. LAND TREATMENT A = 20 B = 5 C = 60 D = 15 Q(100-6) = 23.56 cfs. VOL(100-6) = 31,180 C.F.	BASIN "B" EXIST. CONDITIONS AREA = 4.73 Ac P(100-6) = 2.20 DT = 0.0333 Hr. TP = 0.1333 Hr. LAND TREATMENT A = 25 B = 10 C = 25 D = 65 Q(100-6) = 18.47 cfs. VOL(100-6) = 27,560 C.F.

- NOTES
1. REFER TO SOILS REPORT BY VINYARD & ASSOC. DATED 10/94 FOR DESIGN RECOMMENDATIONS REGARDING EARTHWORK AND PAVEMENT SECTION.
 2. ALL CURB NOT ADJACENT TO SIDEWALK SHALL BE HEADER TYPE PER CITY STANDARD DRAWING 2415. EXTRUDED CONCRETE CURB SHALL BE A BID ALTERNATE.
 3. ALL GRADES WITHIN HANDICAP PARKING AREAS SHALL NOT EXCEED 50:1 SLOPE (2%) IN BOTH DIRECTIONS.
 4. TWO BUILDING PERMITS WILL BE SOUGHT FOR THIS PROJECT EXPANSION, HOWEVER GRADING AND DRAINAGE DESIGN APPROVAL AND CERTIFICATION WILL OCCUR UNDER ONE PROCESS.
 5. THIS SITE DOES NOT LIE WITHIN A FLOOD ZONE.
 6. TOPOGRAPHIC SURVEYING PROVIDED BY ALDRICH LAND SURVEYING, AUG. 1994.
 7. ALL EXISTING AND PROPOSED ROOF DRAINS SHALL BE EXTENDED BENEATH SURFACE AND CONNECTED TO PROPOSED STORM DRAIN.
 8. FIRE LANE SURFACE SHALL BE COMPACTED WHERE SOFT TO 90% OF ASTM D-1557 @ ±3% OF OPTIMUM MOISTURE.

- NEW SINGLE "D" DROP INLETS
- (A) PROPOSED TOP OF GRATE = 71.40 71.56
INV. = 67.28 67.30
2' CURB OPENING ON EACH SIDE
 - (B) PROPOSED TOP OF GRATE = 71.52 71.52
INV. = 69.89 70.00
2' CURB OPENING ON EACH SIDE
 - (C) PROPOSED TOP OF GRATE = 72.62 72.67
INV. = 71.79 71.82
 - (D) PROPOSED TOP OF GRATE = 72.98 73.00
INV. = 71.44
- LANDSCAPING ASSOCIATED WITH NEW DROP INLETS SHALL BE A MIN. OF 6" BELOW TOP OF CURB.

VICINITY MAP

ZONE MAP: F-15

(TBM) TEMPORARY BENCHMARK

TOP OF MANHOLE IN NORTHBOUND 2nd STREET, 23 FEET NORTH AND WEST SOUTHWEST CORNER OF PROPERTY.
RIM = 4971.78 M.S.L.

ACS BENCHMARK

A "SQUARE" CUT CHISELED ON TOP OF THE CONCRETE CURB RETURN. THE STATION IS LOCATED AT THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SECOND STREET N.W. AND DELAMAR ROAD N.W. ACS MONUMENT "G-F15"
ELEVATION = 4972.44

LEGAL DESCRIPTION

TRACTS 142B, 143B AND 130B MCGCD MAP 32.

LEGEND

--- PROPERTY LINE	-x-x- WROUGHT IRON FENCE
-4970- CONTOUR (MAJOR)	-E- OVERHEAD ELECTRIC LINE
--- CURB AND GUTTER	o POWER POLE
--- CONCRETE	--- ANCHOR
--- WALL	• GAS SERVICE
--- WATER METER	--- LIGHT POLE
o CLEANOUT	--- SPRINKLER CONTROL
o ELECTRIC BOX	--- SIGN
--- UTILITY VAULT	--- DROP INLET
--- ELECTRIC TRANSFORMER	--- BOLLARD
o SANITARY SEWER MANHOLE	--- PLANTER
o WATER VALVE	o TREE
o FIRE HYDRANT	--- CHAIN LINK FENCE
o TELEPHONE BOX	--- TS= TOP OF SIDEWALK FLOWLINE
--- TC= TOP OF CURB FLOWLINE	--- FL=
--- BOUNDARY LINE	--- PROPOSED SPOT ELEVATION
--- DRAINAGE BASIN	--- 72.99 As-Built spot
--- RD= 6" ROOF DRAIN	--- FLOWLINE
--- RED FIRE LANE PAINT ON CURB	

JUVENILE JUSTICE DETENTION CENTER

GRADING & DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

Designed: **JM** Drawn: **STAFF** Checked: **DWG** Sheet **C1** of **1**
Scale: **AS SHOWN** Date: **11/94** Job: **94106**

10-9-95

RECEIVED 4/3/99

