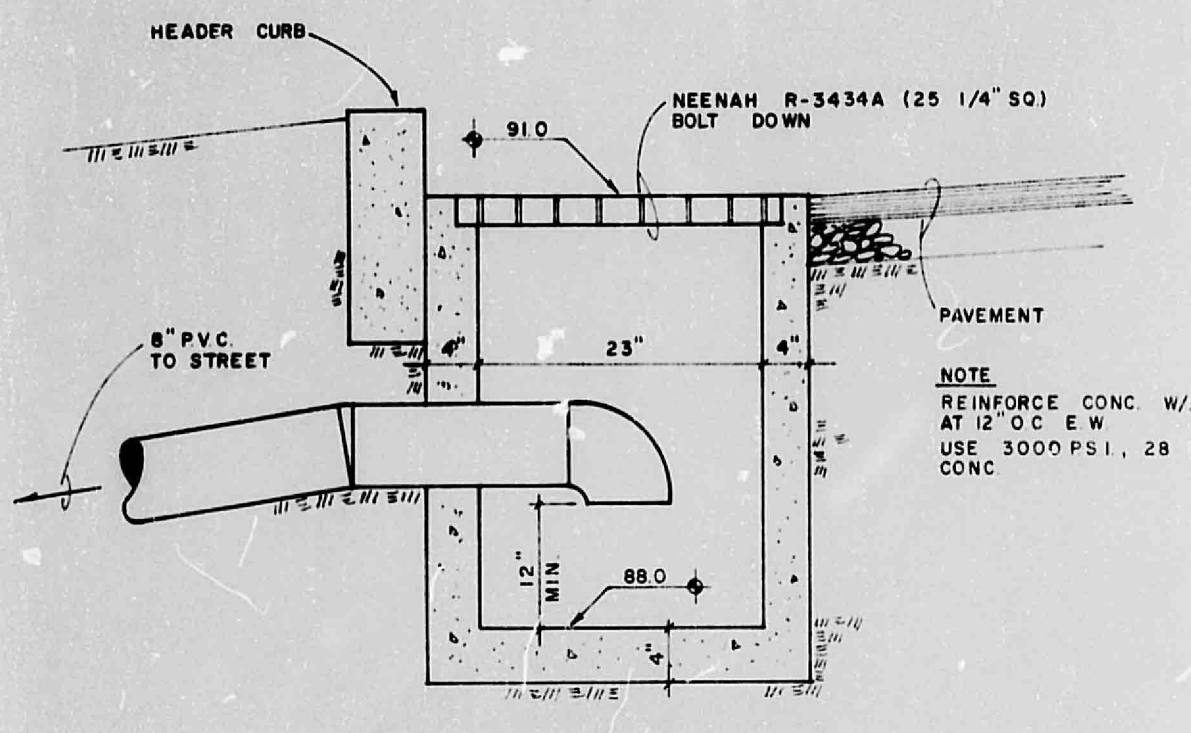
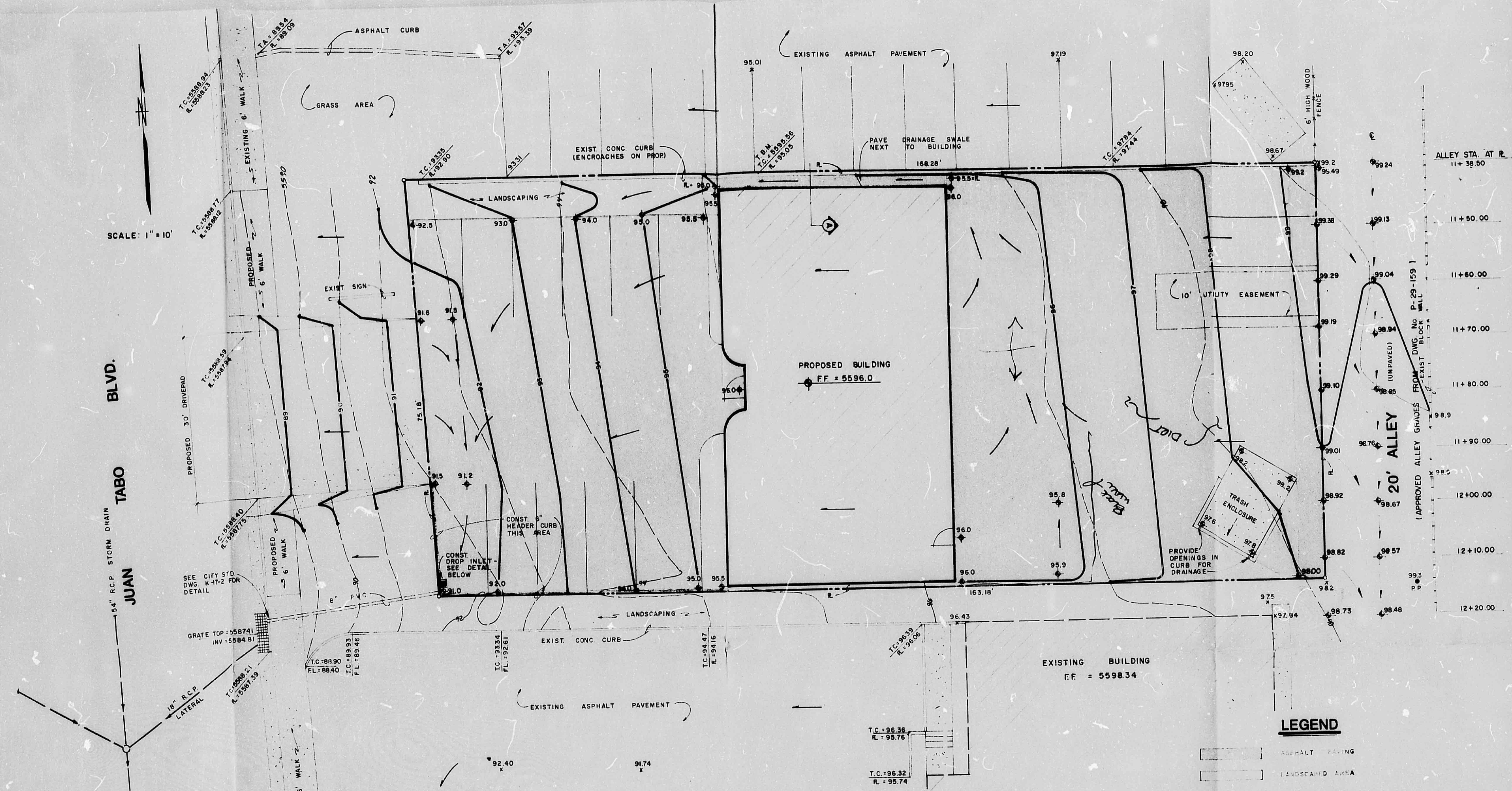


SCALE: 1" = 10'

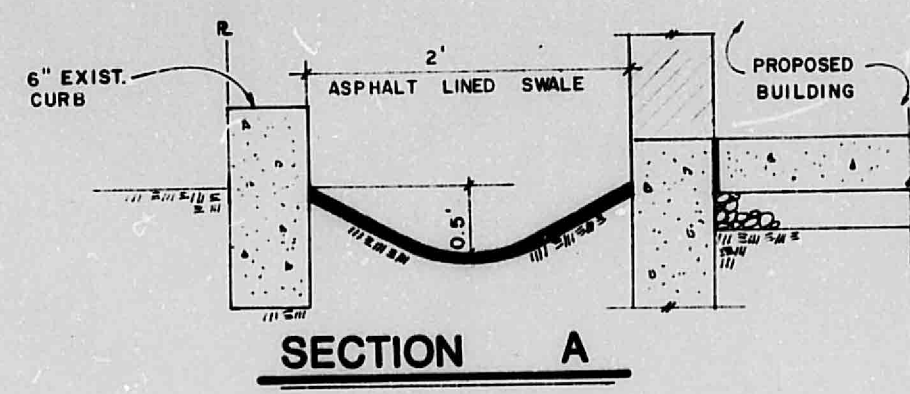
BLVD. TABO JUAN



CATCH BASIN DETAIL

NOTES:

1. Legal: Lots 5, 6 and 7, Block 4 of the Royal Heights Addition, Albuquerque, New Mexico. (0.285 Ac)
2. Surveyor: D.T. Morrison, May 1984.
3. B.M.: Set B.M. on top of Conc. curb, North R., as shown on plan.
4. Soil Type: S.C.S. Map #32. Soil Type TgB, Hydrologic Soil Group "B".
5. Flood Hazard: Site is not located in a flood hazard zone.
6. Offsite Drainage: Site is not affected by offsite drainage other than small alley area east of site. All other flows parallel site to outlet on to Juan Tabo.
7. Drainage Criteria: Per Pre-design meeting with City Hydrology on May 16, 1984.
 - a) Drainage Plan per DPM
 - b) Controlled discharge required due to downstream flooding, discharge rate to be determined by downstream capacity of lateral. Direct discharge into catchbasin in Juan Tabo is allowed.
8. Drainage Calculations:
 - a) Undeveloped Q100 discharge: (2.15)(2.5)(0.34)(0.285 Ac) = 0.5 cfs
 - b) Developed Q100 discharge: (2.15)(2.5)(0.93)(0.285 Ac) = 1.4 cfs
 - c) Capacity of existing 18" RCP lateral @ 0.5% grade (assumed min. grade) = 6 cfs capacity > 1.4 cfs Kutter's Formula
 - d) Size of lateral from parking lot to street drain. Elev. difference = 2" in 32' = 6% grade available. Minimum pipe diameter required to pass 1.4 cfs = 6" diameter. Use an 8" diameter PVC to reduce plugging due to trash.
 - e) Grate Capacity - Neenah Foundry Co. Cat. No. R-3434, Type "A" - "K" value from Neenah capacity curve = 27.5. $C = 10/5/3$ where $D = 0.3'$ $Q = 3.7$ cfs > 1.4 cfs required O.K.
9. City of Albuquerque B.M. - 5-J22A, Elevation 5585.052, S.S.P. Return of Juan Tabo & Mountain, Square chained in top of conc. curb.

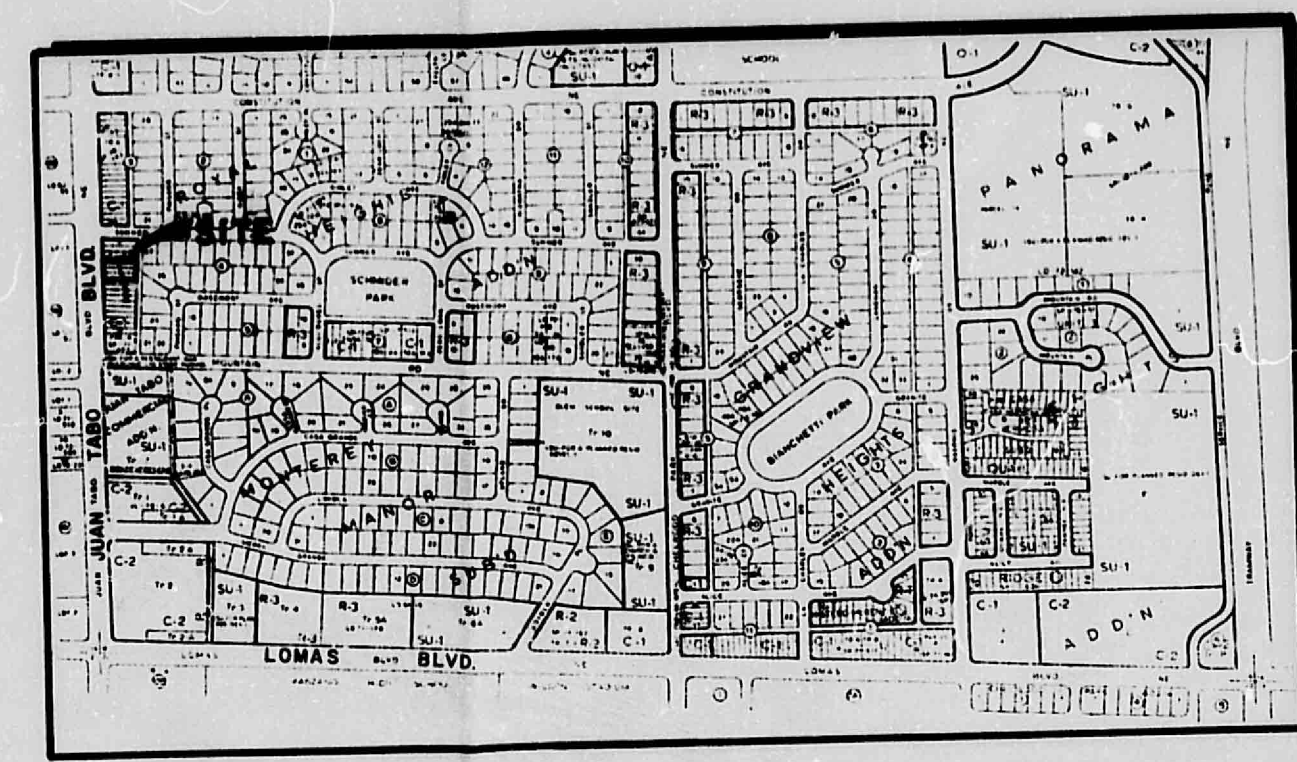


SECTION A

RESUBMITTAL: JULY 24, 1984:
PULLED ASPHALT BACK FROM ALLEY
N.W. TO ALLOW A FUTURE TRANSITION
ZONE FOR ALLEY PAVEMENT TO MATCH
PARKING ASPHALT. ADDED CITY OF
ALBUQUERQUE BENCH MARK INFORMATION

RESUBMITTAL: AUGUST 3, 1984:
ADDED APPROVED ALLEY GRADES TO
PLAN ADJACENT TO SITE/REFERENCED
ALLEY PLAN DWG. #P-29-159.

- LEGEND**
- ASPHALT PAVING
 - LANDSCAPED AREA
 - PROPERTY LINE
 - PAVING CURB & GUTTER WIDENING
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - PROPOSED SPOT ELEVATION
 - PROPOSED FINISHED CONTOUR
 - SURFACE FLOW DIRECTION
 - BUILDING STRUCTURE



VICINITY MAP J 22

CIS INC.
ENGINEERING
1100 ALVARADO N.E. SUITE A
ALBUQUERQUE, NEW MEXICO 87110
(505) 266-3444

DATE
REVISIONS
DESIGNED
DRAWN
CHECKED

DRAINAGE / GRADING PLAN
SCHWINN BICYCLE SHOP
1130 JUAN TABO N.E.

ES
SHEET 1 OF 1

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ORIGINAL DOCUMENT

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