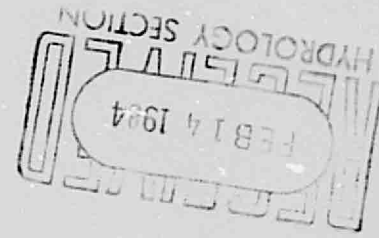
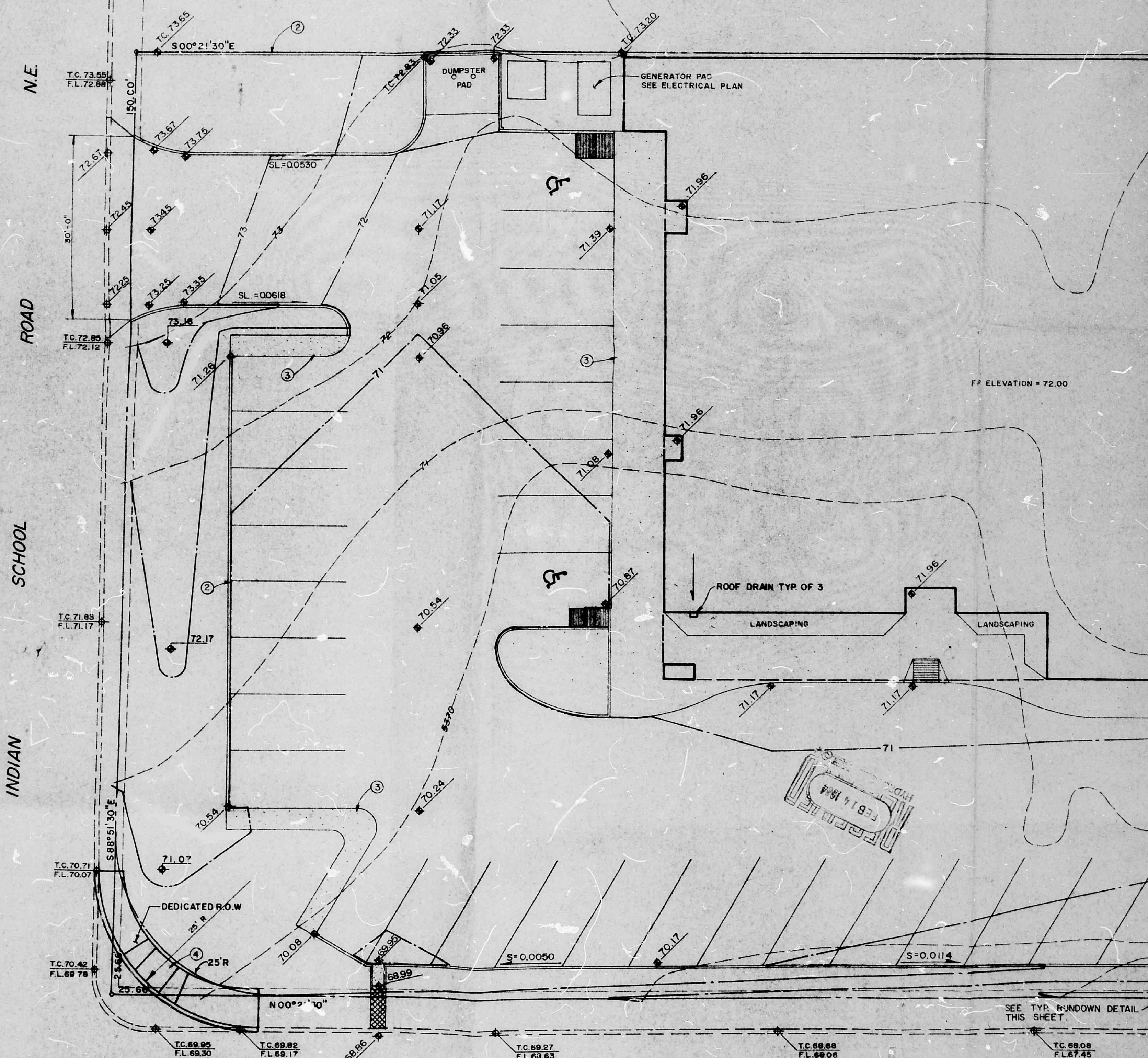


THIS MICROIMAGE IS THE BEST POSSIBLE
REPRODUCTION DUE TO THE POOR QUALITY
OF THE ORIGINAL DOCUMENT

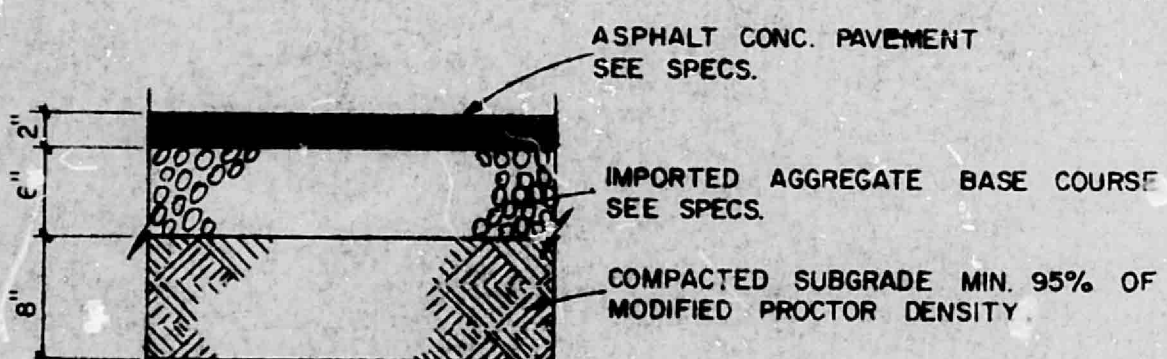
PLAN SHOT IN TWO SECTIONS



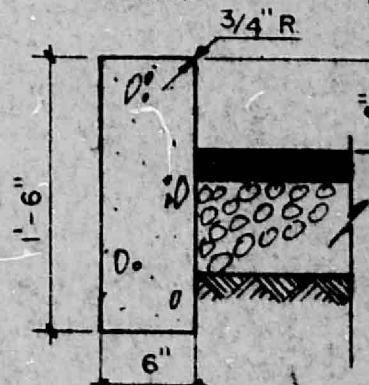
SCALE: 1" = 10'



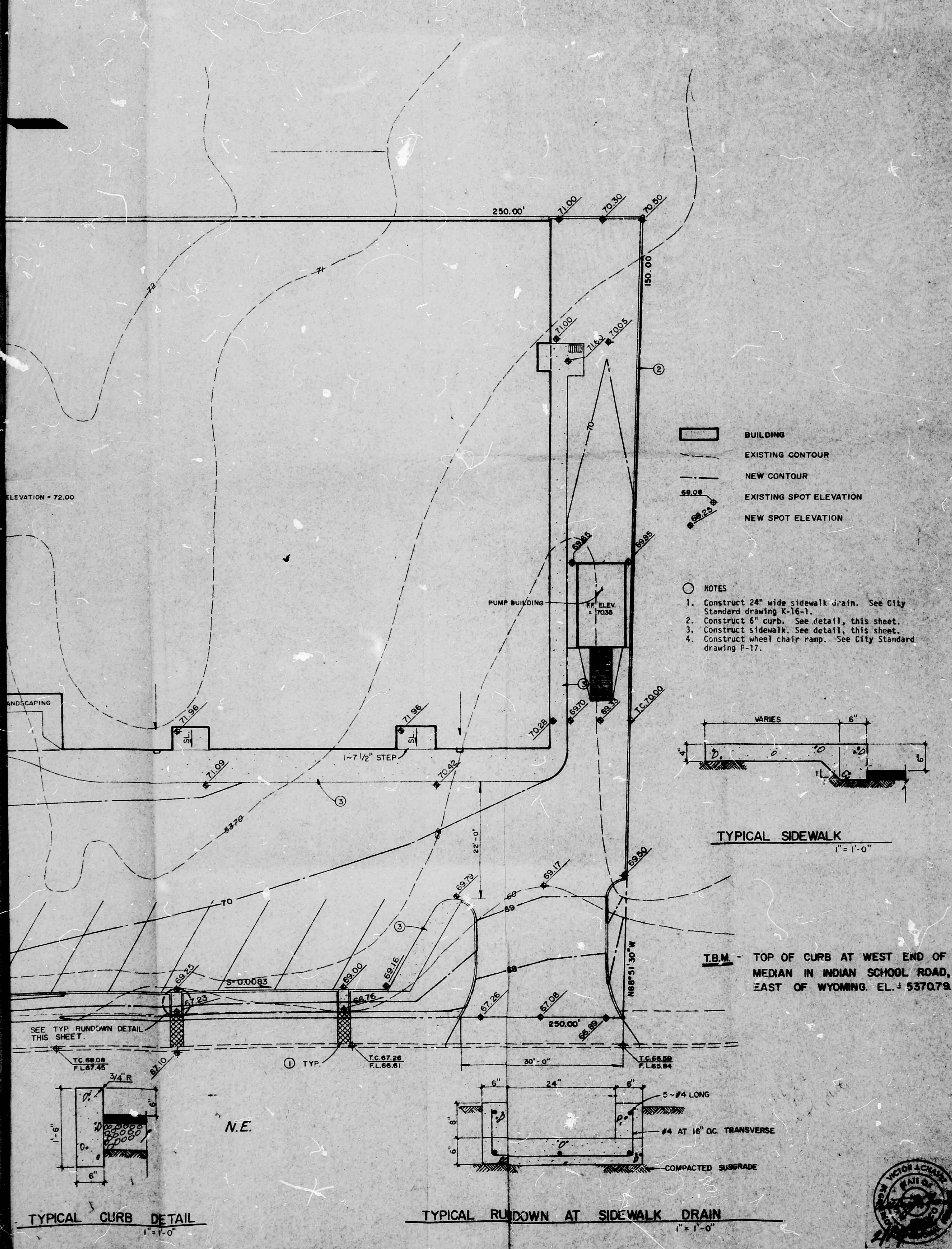
SEE TYP. RUNDOWN DETAIL
THIS SHEET.



TYPICAL PAVING DETAIL
1" = 1'-0"



TYPICAL CURB DETAIL
1" = 1'-0"



DRAINAGE PLAN

The study site is located on the southeast corner of the intersection of Indian School Road and Wyoming Boulevard N.E. The site has been partially developed and was formerly the site of a gasoline service station. Existing contours drain the site from northeast to southwest where waters are discharged as surface flows onto Wyoming Blvd. The site is located in Hydrologic Soil Group type B (etc.).

Flows are presented from entering the site by existing elevations and curbs. Development of the site will not require the handling of off-site flows. Development of the site will include clinical office facilities and associated parking and landscaping. Grading will direct on-site flows to the west for free discharge to Wyoming Blvd.

Existing and proposed conditions are indicated on the plan by means of contours and spot elevations. Through site development, there will be no discharge to city streets or right-of-way. Permanent site development calls for all areas, other than permanent improvements, to be landscaped.

Calculations:
 Existing:
 Area: 0.86 Ac.
 $T_c = 10 \text{ min.}$
 $Q_{100} = 2.2(2.4) = 5.28 \text{ in/hr.}$
 $Q_{10} = .657(2.2)(2.4) = 3.47 \text{ in/hr.}$

Calculate "C" Factor
 Soils Group B; "C" = 0.38

Impervious .033(9.5) = 0.31
Pervious 0.53(.34) = 0.18
 .049

"C" = $.049/0.86 = 0.57$

$Q_{100} = 0.57(5.28)(.86) = 2.59 \text{ cfs}$
 $Q_{100} = 0.57(2.4/12)(.86)(43560) = 4270 \text{ c.f.}$
 $Q_{10} = 0.57(3.47)(.86) = 1.7 \text{ cfs}$
 $Q_{10} = 0.57(4270) = 2805 \text{ c.f.}$

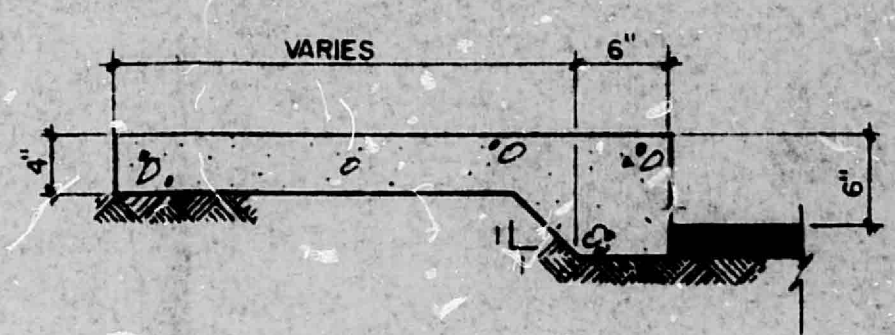
Proposed:
 Calculate "C" Factor
 Impervious 0.76(.95) = 0.72
 Pervious 0.10(.34) = 0.03
 .75

"C" = $.75/.86 = 0.87$

$Q_{100} = 0.87(5.28)(.86) = 3.95 \text{ c.f.s.}$
 $Q_{100} = 0.87(2.4/12)(.86)(43560) = 6518 \text{ c.f.}$
 $Q_{10} = 0.87(3.47)(.86) = 2.60 \text{ cfs.}$
 $Q_{10} = 0.87(6518) = 4282 \text{ c.f.}$

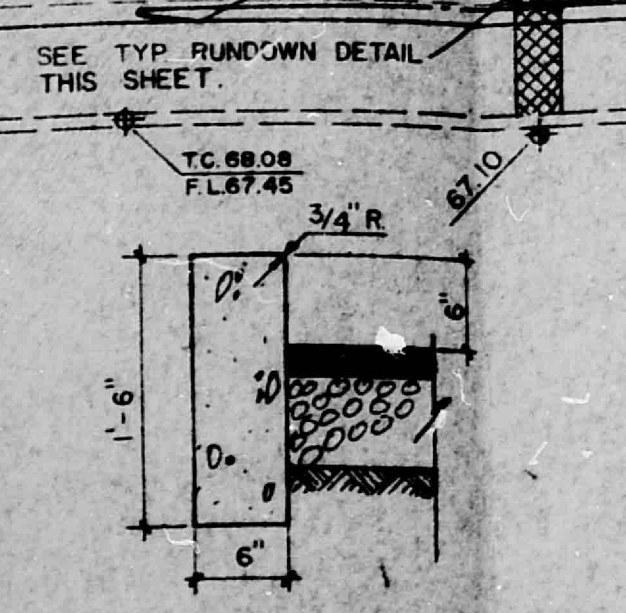
- BUILDING
- EXISTING CONTOUR
- NEW CONTOUR
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION

- NOTES**
1. Construct 24" wide sidewalk drain. See City Standard drawing K-16-1.
 2. Construct 6" curb. See detail, this sheet.
 3. Construct sidewalk. See detail, this sheet.
 4. Construct wheel chair ramp. See City Standard drawing P-17.

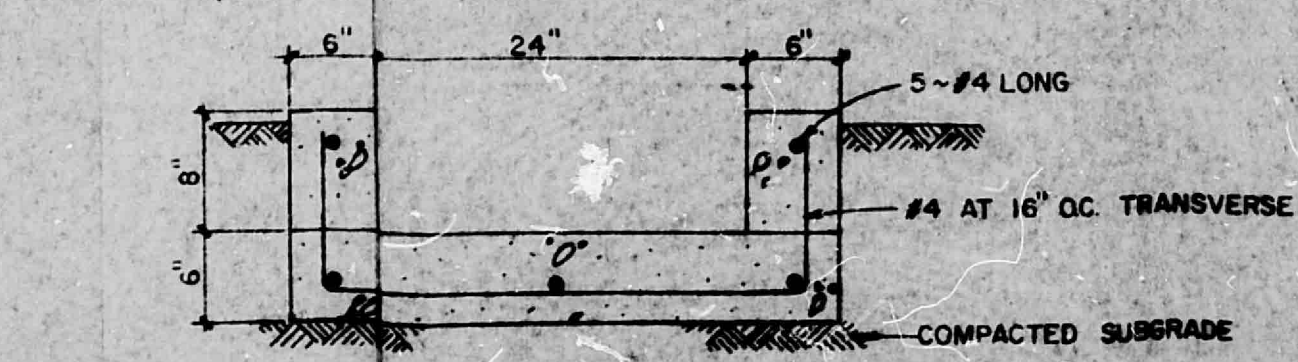


TYPICAL SIDEWALK
 1" = 1'-0"

T.B.M. - TOP OF CURB AT WEST END OF MEDIAN IN INDIAN SCHOOL ROAD, EAST OF WYOMING. EL. 5370.79



TYPICAL CURB DETAIL
 1" = 1'-0"



TYPICAL RUNDOWN AT SIDEWALK DRAIN
 1" = 1'-0"



J20/D16

Job title			
Job no.	date		
Sheet title	by		

de la to me • ramhart pa
architects
 621 Indian School Road N.E. Suite 141
 Albuquerque, NM 87106-5806
 505-881-0660