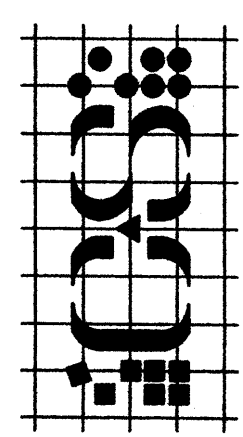


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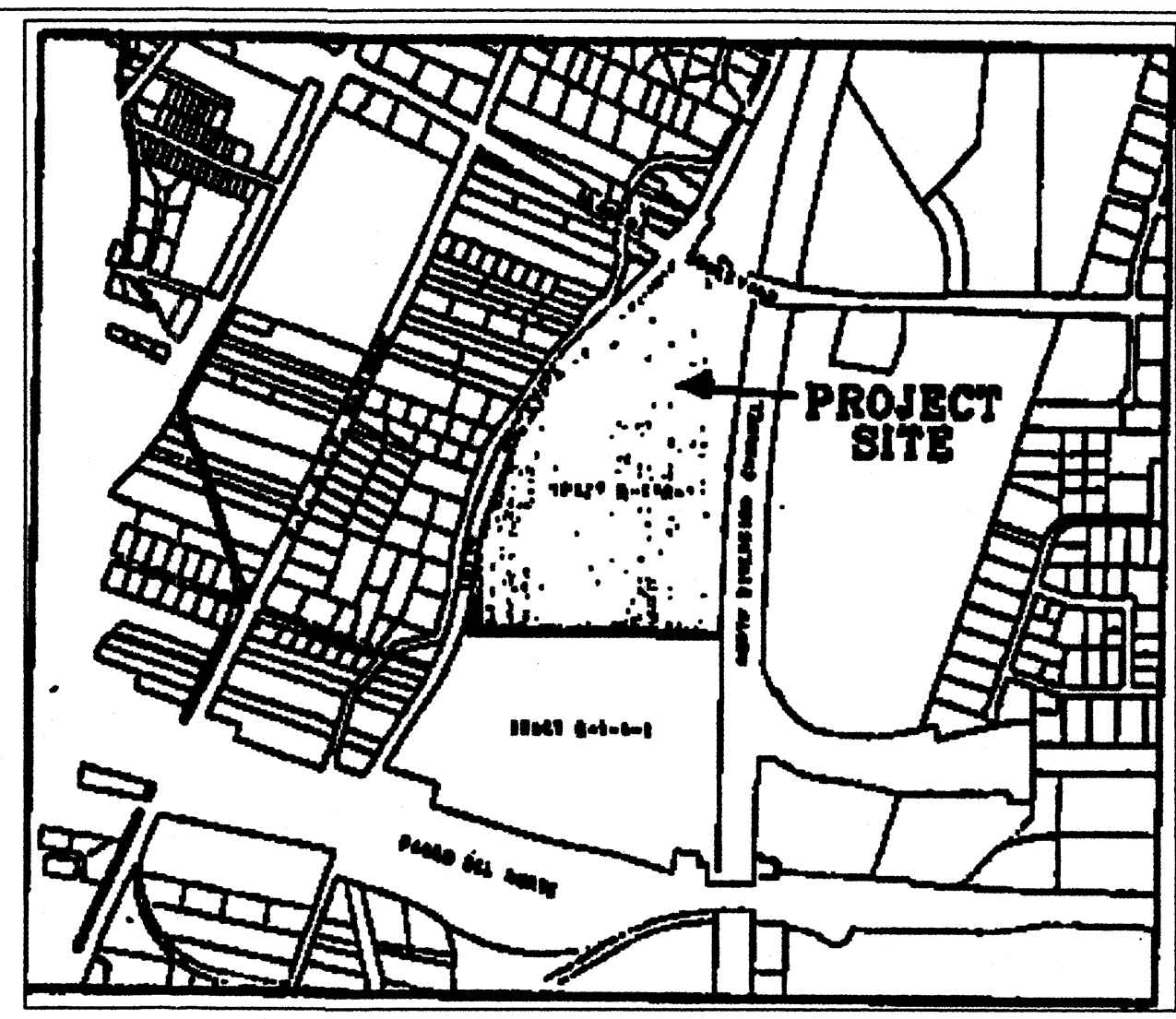
carrillo - simons
architecture



CARLSON HVAC
NEW OFFICE / WAREHOUSE
LOT 5, ALAMEDA BUSINESS PARK

REVISIONS
DATE MAY 7 2000
JOB NUMBER 00-0016
DRAWN BY CC Jr.

C1



NOTES

VICINITY MAP

- EXISTING 3:1 SLOPE ON S.W. END OF LOT TO DRAIN TOWARDS EDITH BLVD. THIS AREA IS NOT PART OF RUNOFF CALCULATIONS OR GRADING PLAN.
- REMAINDER OF LOT 5 (0.954 AC) TO DRAIN TO PASEO ALAMEDA AND DISCHARGE ONTO STREET AS PER REVISED DRAINAGE REPORT FOR ALAMEDA BUSINESS PARK DATED SEPTEMBER 17, 1999 PREPARED BY BOHANNAN HUSTON INC.
- THE EXISTING DIRT BERMS LOCATED ON THE NORTH AND SOUTH LOT LINES ARE TO REMAIN IN PLACE TO PREVENT DRAINAGE FROM CROSSING LOT LINES.
- ALL DRAINAGE PATTERNS SHALL CONFORM TO REVISED DRAINAGE REPORT FOR ALAMEDA BUSINESS PARK DATED FEBRUARY 17, 1999 PREPARED BY BHI.
- CURB AND GUTTER TO BE 24" WIDE X 6" HIGH OF CONCRETE.
- HEADER CURB TO BE 6" X 18" CONCRETE. TOP OF CURB IS TO EXTEND 6" ABOVE NEW PAVEMENT SURFACE.
- ALL SURFACES ARE TO BE STRAIGHT GRADED BETWEEN FLOW LINE OR PAVEMENT SPOT ELEVATIONS SHOWN.
- DRAIN PIPES TO BE 4" DIAMETER SCHEDULE 40 PVC. INSTALL THROUGH CURBS WITH INVERT MATCHING FLOW LINE OF GUTTERS.
- LANDSCAPE AREAS TO BE GRADED TO RETAIN RUNOFF AND OVERFLOW TO STREET.
- BENCH MARK - FLOW LINE OF CURB & GUTTER ON WEST SIDE OF PASEO ALAMEDA AT THE SOUTH PROJECTED PROPERTY LINE OF LOT 5 ELEVATION 5033.40.
- BEARING DISTANCE AND CURVE DATA ARE TAKEN FROM THE FOLLOWING PLAT. LOT NUMBERED FIVE (5), ALAMEDA BUSINESS PARK, ALBUQUERQUE, NEW MEXICO DATED MAY, 1999 FILED IN THE OFFICE OF BERNALILLO COUNTY CLERKS' OFFICE IN BOOK 99C PAGE 167. THIS DOCUMENT IS A GRADING AND DRAINAGE PLAN AND NOT A PLAT OF SURVEY.

UNDEVELOPED FLOWS

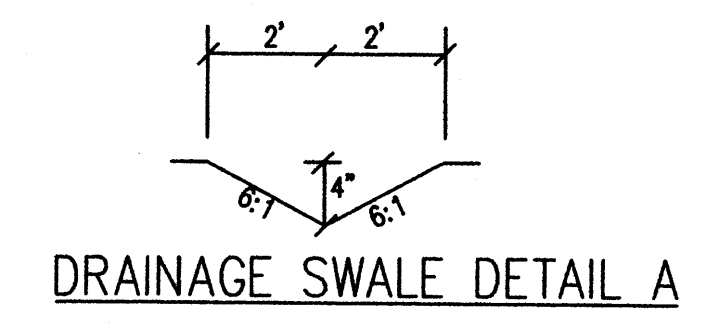
LAND TREATMENT C

$$Q_u = (0.9541 \text{ AC})(3.14 \text{ CFS/AC}) = 3.0 \text{ CFS}$$

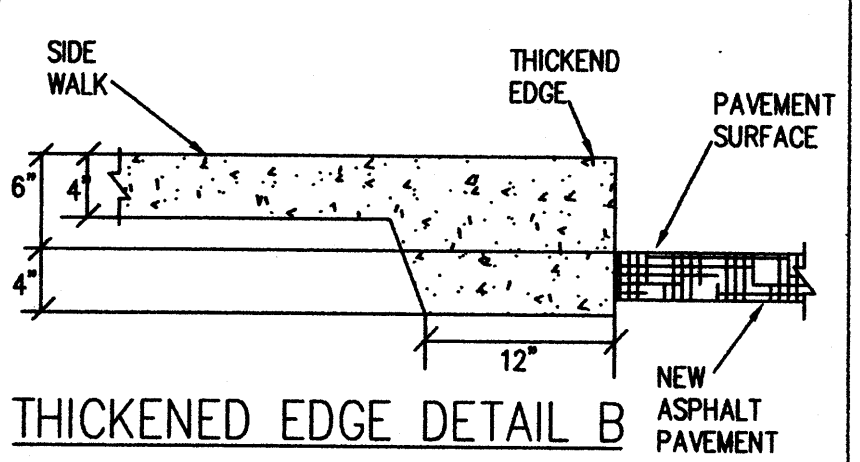
DEVELOPED FLOWS

LAND TREATMENT 15% B
85% D

$$Q_u = (0.9540 \text{ AC})(0.15)(2.28 \text{ CFS/AC}) + (0.9540 \text{ AC})(0.85)(4.70 \text{ CFS/AC}) = 4.14 \text{ CFS}$$



DRAINAGE SWALE DETAIL A



THICKENED EDGE DETAIL B

CURVE DATA C-20

D = 63°53'28"
T = 31.18'
L = 55.76'
R = 50'
C = 52.91'

CURVE DATA C-21

D = 65°47'51"
T = 16.17'
L = 28.71'
R = 25'
C = 27.16'

CURVE DATA C-147

D = 05°24'38"
T = 19.37'
L = 38.72'
R = 410'
C = 38.70'

CURVE DATA C-22

D = 01°43'15"
T = 24.26'
L = 48.39'
R = 1611.06'
C = 48.39'



12-19-00
As Built Drawing
RL

DRAINAGE CERTIFICATION

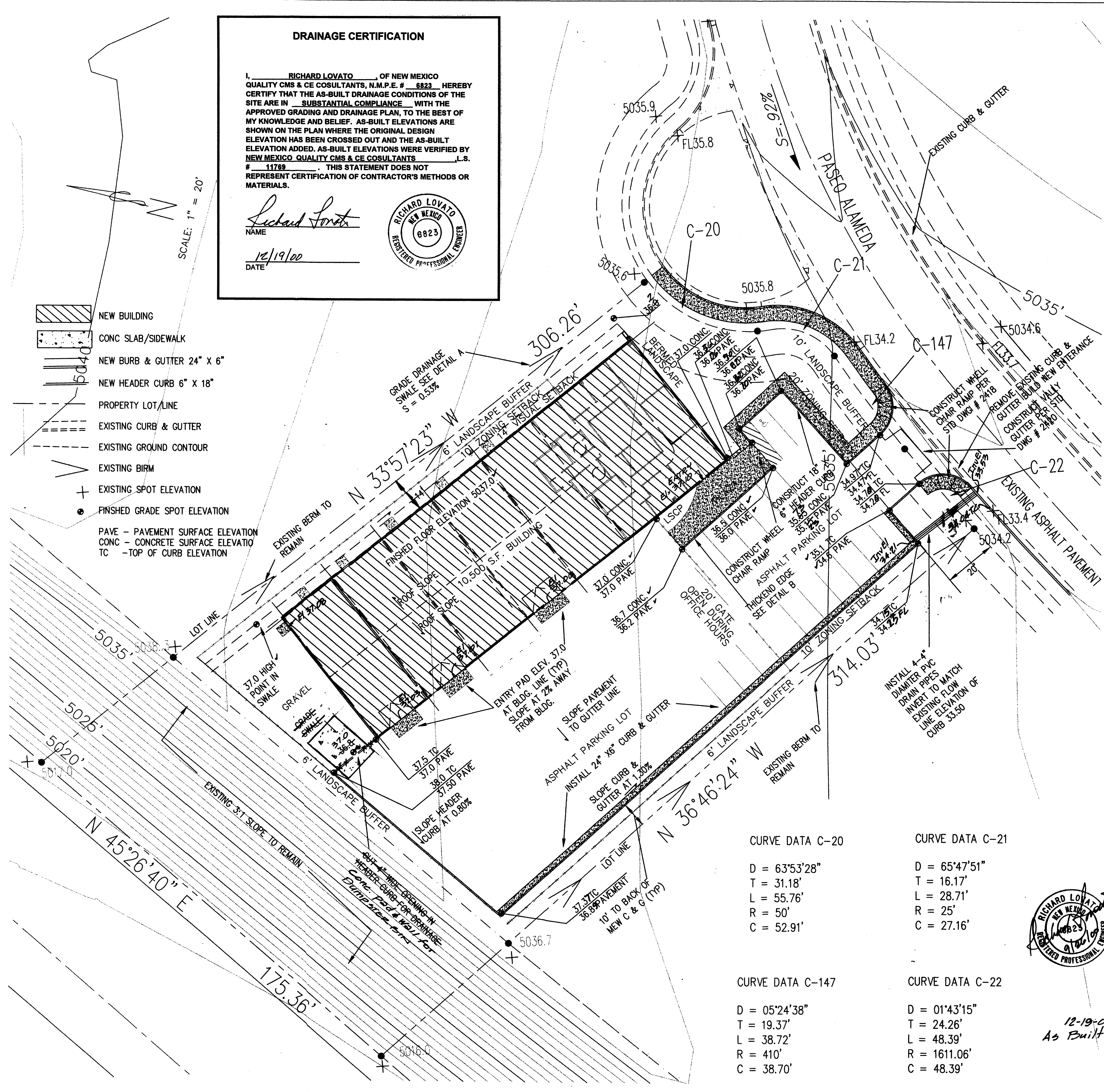
I, RICHARD LOVATO, OF NEW MEXICO QUALITY CMS & CE CONSULTANTS, N.M.P.E. # 8823 HEREBY CERTIFY THAT THE AS-BUILT DRAINAGE CONDITIONS OF THE SITE ARE IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF. AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE AS-BUILT ELEVATION ADDED. AS-BUILT ELEVATIONS WERE VERIFIED BY NEW MEXICO QUALITY CMS & CE CONSULTANTS, L.S. # 11789. THIS STATEMENT DOES NOT REPRESENT CERTIFICATION OF CONTRACTOR'S METHODS OR MATERIALS.

Richard Lovato
NAME
12/19/00
DATE



SCALE: 1" = 20'

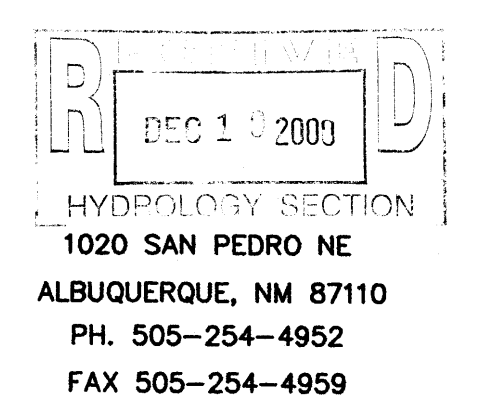
- NEW BUILDING
- CONC SLAB/SIDEWALK
- NEW BURB & GUTTER 24" X 6"
- NEW HEADER CURB 6" X 18"
- PROPERTY LOT/LINE
- EXISTING CURB & GUTTER
- EXISTING GROUND CONTOUR
- EXISTING BIRM
- EXISTING SPOT ELEVATION
- FINISHED GRADE SPOT ELEVATION
- PAVE - PAVEMENT SURFACE ELEVATION
- CONC - CONCRETE SURFACE ELEVATION
- TC - TOP OF CURB ELEVATION



GRADING AND DRAINAGE PLAN



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SURVEYING
&
CIVIL ENGINEERING



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