HYDROLOGY

H14/D27

TWO PLANS

2 PLANS FOR

DRIVE TRAIN
INDUSTRIES

H14-D27

RECEIVED
DEC 01 1983
ENGINEERING

RECEIVED
NOV 29 1983
ENGINEERING

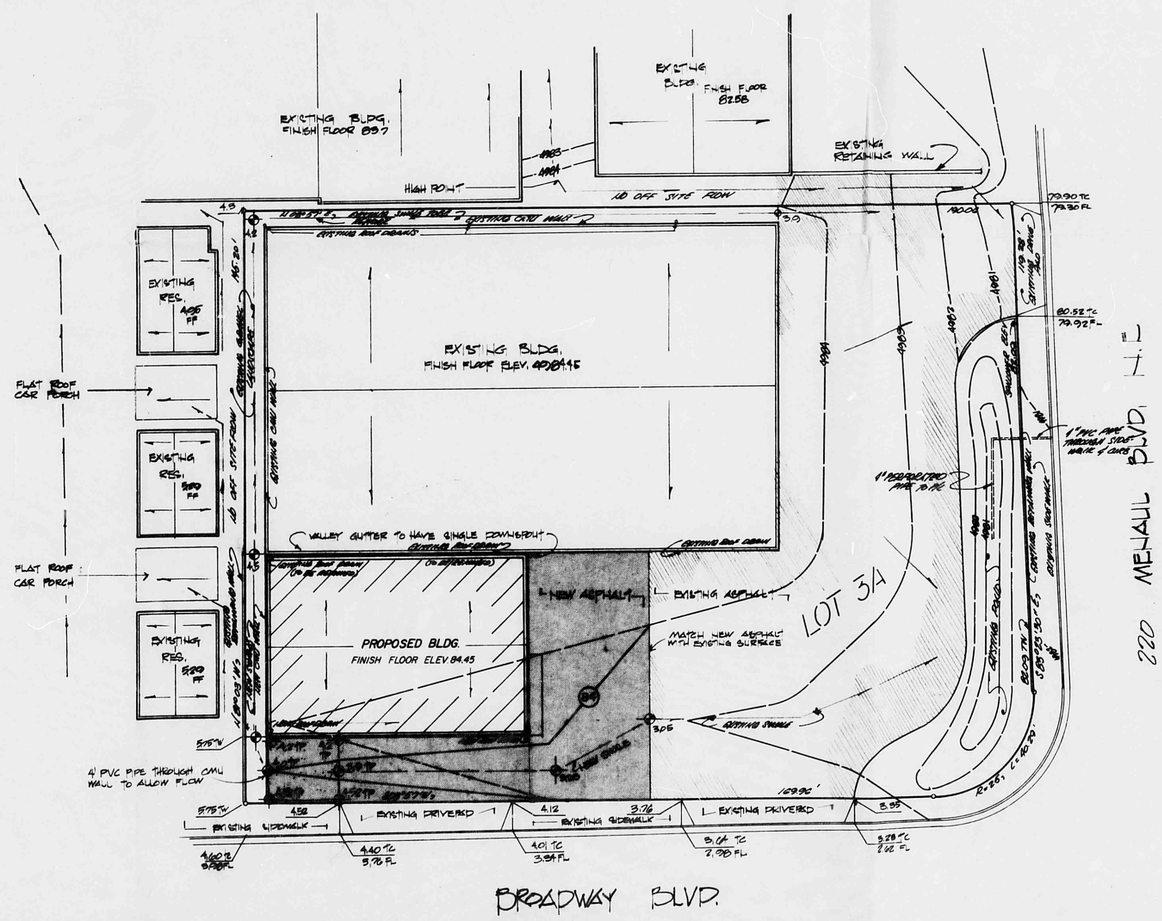
Le 8
12/1

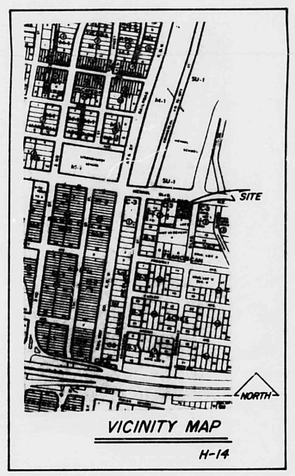
GRADING AND DRAINAGE PLAN

Richard Hall
RICHARD V. HALL NEW MEXICO
HIGH 12, 1983

INFORMATION SHEET

PROJECT TITLE	DRIVE TRAIN INDUSTRIES INC.
CITY ADDRESS	220 MENAUL BLVD. N.E.
ZONE ATLAS	H-14
TYPE OF SUBMITTAL	GRADING & DRAINAGE PLAN
LEGAL DESCRIPTION	LOT 34, BLOCK 8, THE FRANCISCAN SUBDIV.
ENGINEERING FIRM	HALL ENGINEERING CO.
ARCHITECTURAL FIRM	2625 PENNSYLVANIA, N.E. SUITE 350
CONTACT	RICHARD HALL PH# 884-6220 OR 884-6443
OWNER	DRIVE TRAIN INDUSTRIES INC 220 MENAUL BLVD. N.E.
CONTACT	JOHN BURKE PH# 344-0028
CONTRACTOR	DURA BILT PRODUCTS, INC. 4808 JEFFERSON N.E.
CONTACT	LOYD GOLDRICK PH# 883-9100
DATE SUBMITTED	NOV. 29, 1983
SUBMITTED BY	RICHARD HALL





VICINITY MAP
H-14

CALCULATIONS

EXISTING CONDITIONS

TOTAL AREA 27,888 SF
0.640 AC.

EXISTING BLDG.
Q = 1.0 x 5.4 x 19.04/43,560
= 1.2586 CFS

ASPHALT & SIDEWALK
Q = 0.9 x 5.4 x 4,127/43,560
= 1.376 CFS

LANDSCAPE
Q = 0.4 x 5.4 x 3,580/43,560
= 0.81 CFS

TOTAL 3.01 CFS

DEVELOPED CONDITIONS

NEW BLDG.
Q = 1.0 x 5.4 x 2070/43,560
= 0.328 CFS

DECREASE IN ASPHALT AREA
Q = 0.9 x 5.4 x 2,070/43,560
= 0.931 CFS

TOTAL Q INCREASE 0.097 CFS
DUE TO NEW CONSTRUCTION

NO OFF SITEFLOWS

NOTES

BENCH MARK
CITY DATUM
ELEVATION 4897.81 (MSL)
TEMPORARY BENCHMARK
FINISH FLOOR 84.45
(EXISTING BLDG.)

NORTH
SCALE 1" = 20'

LEGEND

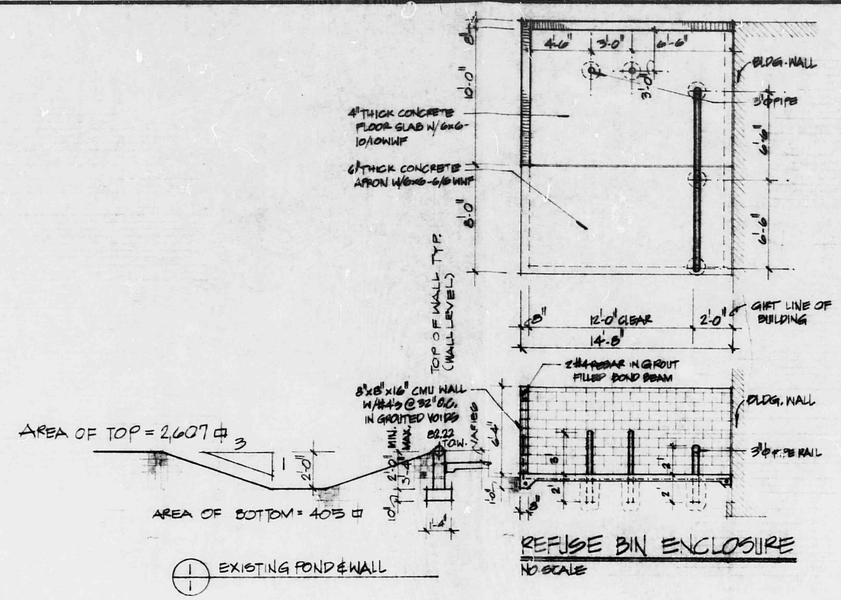
DIRECTION OF FLOW
EXISTING CONTOUR — 4984
DESIGNED CONTOUR — 84
EXISTING SPOT ELEV. — 4.01 TC
DESIGNED SPOT ELEV. — 3.99
TOP OF WALL = TW
TOP OF PAD = TP
TOP OF CURB = TC
FLOW LINE = FL

H14/D27

HALL ENGINEERING
2625 Pennsylvania Ave., N.E.
Suite 350
Albuquerque, New Mexico 87110

DRAINAGE:

LOT AREA	28,028 SQ.FT.
IMPERVIOUS AREA	25,421 SQ.FT.
VOLUME OF PONDING REQ'D	2,542 SQ.FT.
VOLUME OF PONDING PROVIDED	2,590 SQ.FT.



REFUSE BIN ENCLOSURE
NO SCALE

LEGAL DESCRIPTION:

LOT 3A
BLOCK 2 OF
THE FRANCISCAN ACRES
ADDITION TO
THE
CITY OF ALBUQUERQUE
220 MENAUL BOULEVARD N.E.

DESIGN DATA:

BUILDING ZONE (SEE Z-77-165 ATTACHED)	C-3	H-4-Z
SEISMIC ZONE	II	
TYPE OF CONSTRUCTION	V-N	
OCCUPANCY GROUP		ADD'N / EXIST.
	B-2	1796 ☐ / 7960 ☐
	H-4	1218 ☐ / 2133 ☐
OCCUPANT LOAD	54	
SOIL BEARING CAPACITY	1,500 PSF ASSUMED	
CONCRETE STRENGTH	3,000 PSI	
THIS IS A STANDARD PRE-ENGINEERED METAL BLDG W/ DESIGN LOADS: WIND (SEE ATTACHED CALCULATIONS)	25 PSF	
ROOF LIVE	20 PSF	

SQUARE FOOTAGE:

		EXIST	ADD'N
OFFICE/WAREHOUSE	B-2	7960 ☐	0 ☐
SHOP	H-4	2133 ☐	3018 ☐
TOTAL		10,093 ☐	3018 ☐

PARKING (NET LEASABLE AREAS)

OFFICE	EXISTING 1796 + ADD'N 0 / 200 =	9
WAREHOUSE	5962 + 0 / 1200 =	5
SHOP	2043 + 2975 / 1000 =	9
TOTAL PARKING REQUIRED (INCLUDES ONE HANDICAP)		17 SPACES

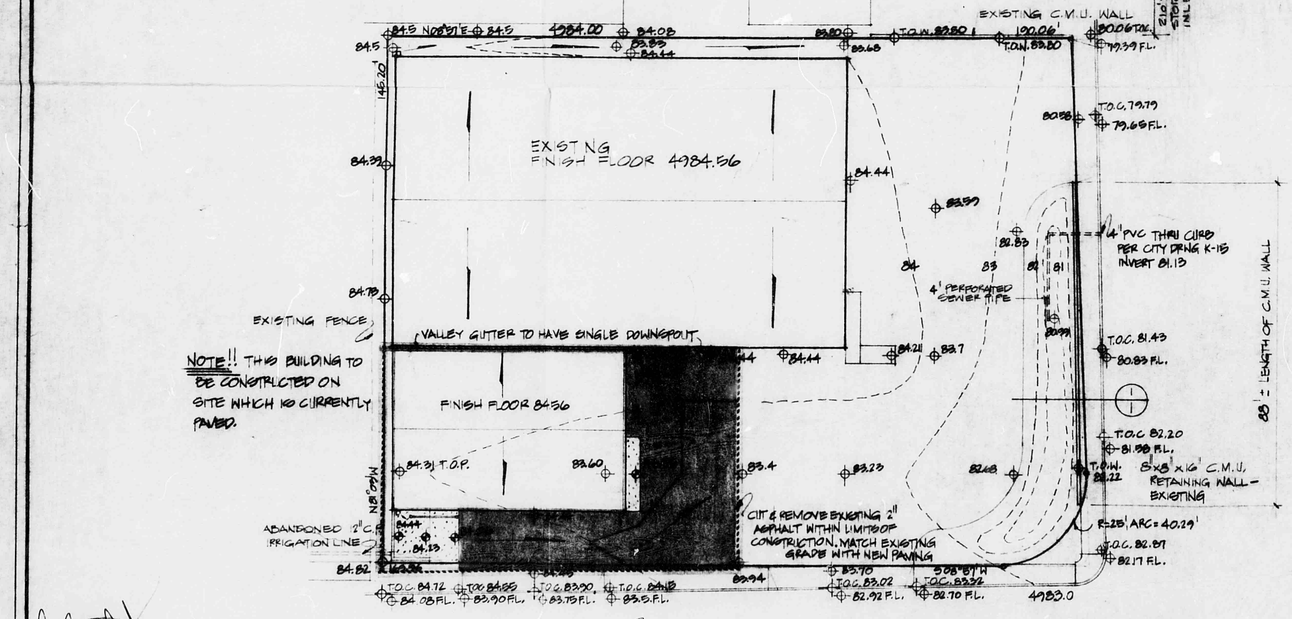
2 BICYCLES PROVIDED FOR

LANDSCAPING (EXISTING)

17 SPACES = 6802
x .07
476 ☐ REQ'D
2,607 ☐ PROVIDED

- SILVER MAPLE 10-12 FT.
- PONDEROSA PINE 10-12 FT.
- RED-LEAF PLUM 10-12 FT.
- TAM JUNIPER 3GAL.
- 3/4" GRAVEL
- SODDED GRASS
- 6" MAX. RIVER ROCK
- 8" VERT. RAILROAD TIES
- PYRACANTHA 1 1/2 CAL. @ 8' O.C.

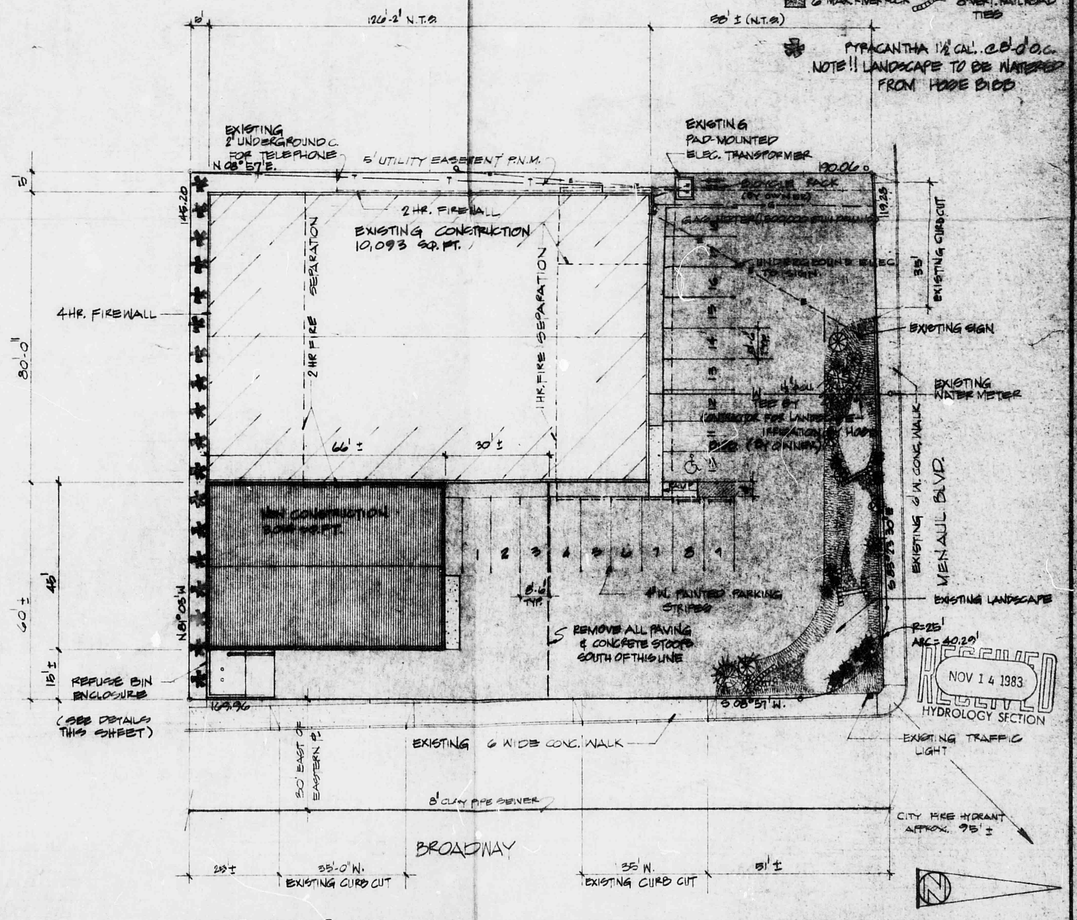
NOTE!! LANDSCAPE TO BE WATERED FROM HOSE BIBB



KEY:

E.G.	EXISTING GRADE
F.G.	FINISH GRADE
T.O.W.	TOP OF WALL
T.O.C.	TOP OF CURB
TEMPORARY B.M.	EAST SOUTHEAST CURB RETURN 4984.10
PROJECT BENCHMARK	CITY DATUM NM 47 19A 4997.41
------	EXISTING CONTOUR
⊕	EXISTING SPOT GRADE
⊕	PROPOSED SPOT GRADE

GRADING & DRAINAGE PLAN
SCALE: 1"=20'-0"



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PLOT PLAN
SCALE: 1"=20'-0"

H14/D27

STATE OF NEW MEXICO — JESSE A. PACHECO, JR. No. 260 — REGISTERED ARCHITECT

Pacheco Group Architects
Albuquerque New Mexico

DURA BILT PRODUCTS, INC.
GENERAL CONTRACTORS LICENSE NO. 3044
4808 JEFFERSON NE PH 883-9100 ALBUQUERQUE NM 87109

ADDITION FOR
DRIVE TRAIN INDUSTRIES INC.
220 MENAUL N.E.

DATE: 9 NOV 83
JOB NO: 83-141

SHEET NO: 1 OF 5

DRAWING 40-22-35447