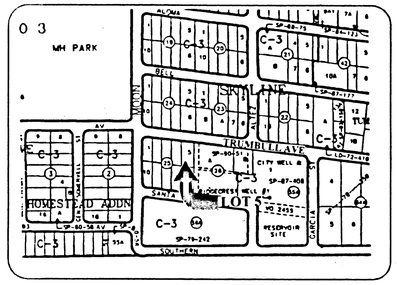

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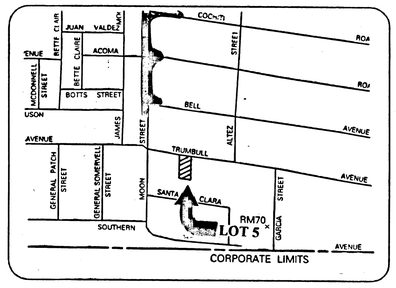
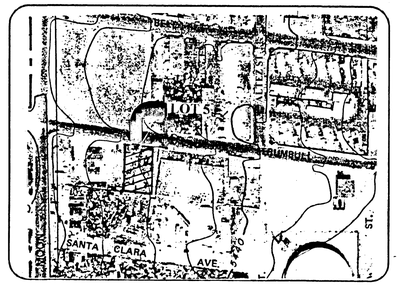


FLOODWAY MAP L-20 N.T.S.



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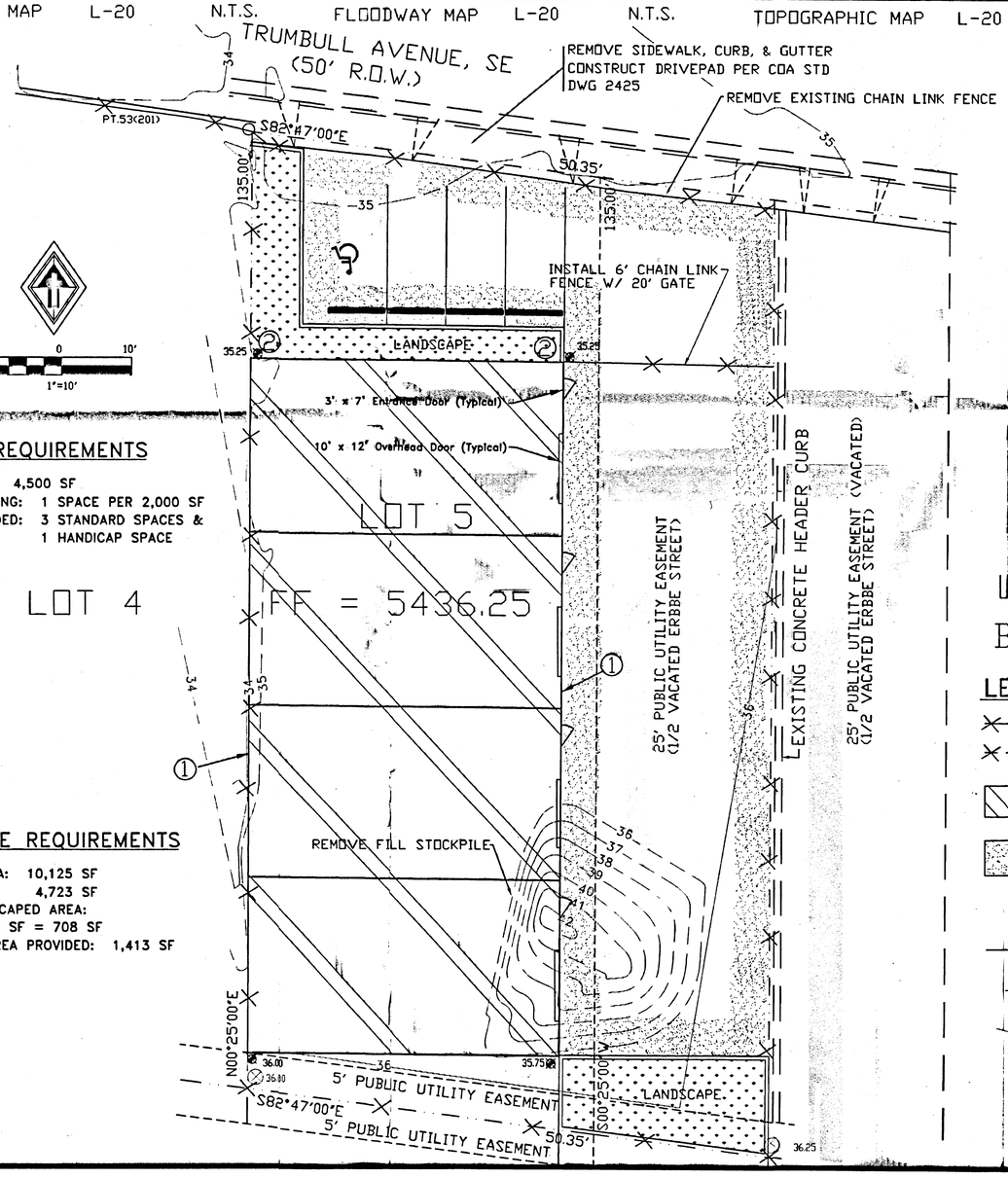

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BUILDING AREA: 4,500 SF
REQUIRED PARKING: 1 SPACE PER 2,000 SF
PARKING PROVIDED: 3 STANDARD SPACES & 1 HANDICAP SPACE

LANDSCAPE REQUIREMENTS

TOTAL LOT AREA: 10,125 SF
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LANDSCAPED AREA PROVIDED: 1,413 SF

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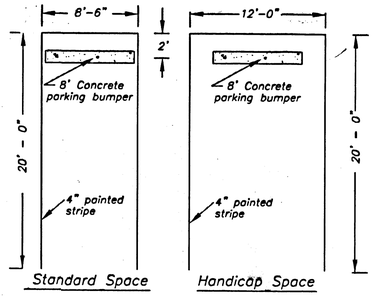

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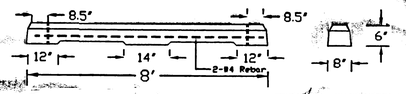

Standard 8' Parking Bumper

KEYED NOTES:

1. GUTTER MOUNTED ON BUILDING EAVE
2. DOWNSPOUT W/ CONCRETE SPLASH PAD

LOT 1
BLOCK 26

LEGEND

- PROPOSED FENCE
- EXISTING FENCE
- PROPOSED WAREHOUSE BUILDING
- PROPOSED ASPHALT PAVEMENT
- PP — EXISTING POWER POLE
- EXISTING PROPERTY BOUNDARY
- DRAINAGE FLOW DIRECTION
- 35 — EXISTING CONTOUR LINE
- 35.75 EXISTING SPOT ELEVATION
- 35.75 PROPOSED SPOT ELEVATION
- FF PROPOSED FINISHED FLOOR ELEVATION

LEGAL DESCRIPTION

Lot 5, Block 5, Skyline Heights (Albuquerque, New Mexico).

ADDRESS:

9610 Trumbull Avenue, SE

FLOOD HAZARD ZONE

Lot 5 is located within Flood Hazard Zone X (i.e., areas of 100-year flood with average depths of less than 1 foot) designated on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Map (FIRM) Community-Panel No. 35001C0358 D (September 20, 1996).

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100% Land Treatment 'C'

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E = 1.13 in (Land Treatment 'C')

V_{360} = (1.13 in x 0.2324 acres) x 1 ft/12 in
= 0.02 acre-ft x 43,560 ft^2/acre
= 953 ft^3

Peak Discharge:

Q_{P1} = 3.14 ft^3/sec-acre (Land Treatment 'C')
Total Q_p = (Q_{P1} x 0.2324 acres)
= 0.73 ft^3/sec

On-Site 'Proposed Development' Condition (Lot 5):

12% Land Treatment 'C'; 88% Land Treatment 'D'
Excess Precipitation:
E_1 = 1.13 in (Land Treatment 'C')
E_2 = 2.12 in (Land Treatment 'D')
Weighted E = ((E_1 x 0.03 acres) + (E_2 x 0.20 acres))/0.2324 acres
= 2.00 in

V_{360} = (2.00 in x 0.2324 acres) x 1 ft/12 in
= 0.04 acre-ft x 43,560 ft^2/acre
= 1,687 ft^3

Peak Discharge:
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Total Q_p = (Q_{P1} x 0.03 acres) + (Q_{P2} x 0.20 acres)
= 1.03 ft^3/sec

The warehouse roof runoff will be intercepted by gutters and by downspouts. All on-site runoff will be discharged onto Trumbull Avenue.

Storm water runoff from off-site drainage basins does not enter Lot 5; therefore, runoff volumes and peak discharges from off-site basins were not analyzed. A header curb along the east boundary of Lot 5 diverts off-site runoff northward onto Trumbull Avenue. Trumbull Avenue is paved and has standard curbs and gutters.

Street flow in Trumbull Avenue is intercepted by storm inlets at the intersection of Trumbull Avenue and Moon Street. Lot 5 is an infill site. As demonstrated by the calculations above, the increase in peak discharge from Lot 5 is 0.30 ft^3/sec. The impact on the downstream capacity of the storm drain in Moon Street is negligible.

RECEIVED SEP 30 1999 HYDROLOGY SECTION

JAMES L. HEWITT, JR. NEW MEXICO 8894 REGISTERED PROFESSIONAL ENGINEER 09/23/99

HEWITT ENGINEERING & ENVIRONMENTAL CONSULTANTS
2433 PALOMAS DRIVE NE Albuquerque, NM 87110 Tel: (505)889-4040

GRADING, DRAINAGE AND TRAFFIC CIRCULATION PLAN
PROPOSED WAREHOUSE BUILDING
9610 TRUMBULL AVENUE, SE
ALBUQUERQUE, NEW MEXICO

SIZE		DWG NO.	REV
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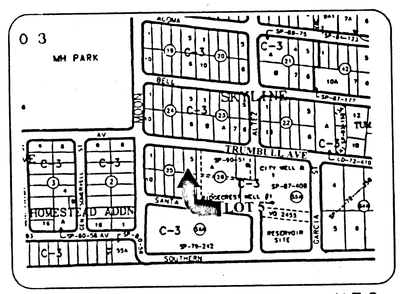
SCALE 1"=10'	DRAWN BY: CGAR	SHEET 1 OF 1	

C:\HEWITT\TRMBLL4/CGAR



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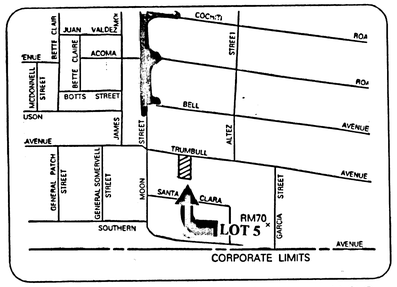

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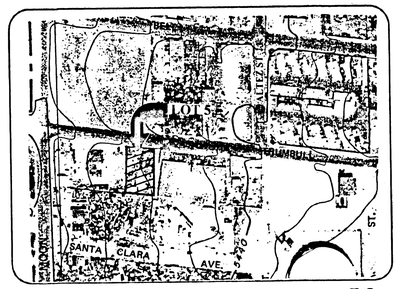

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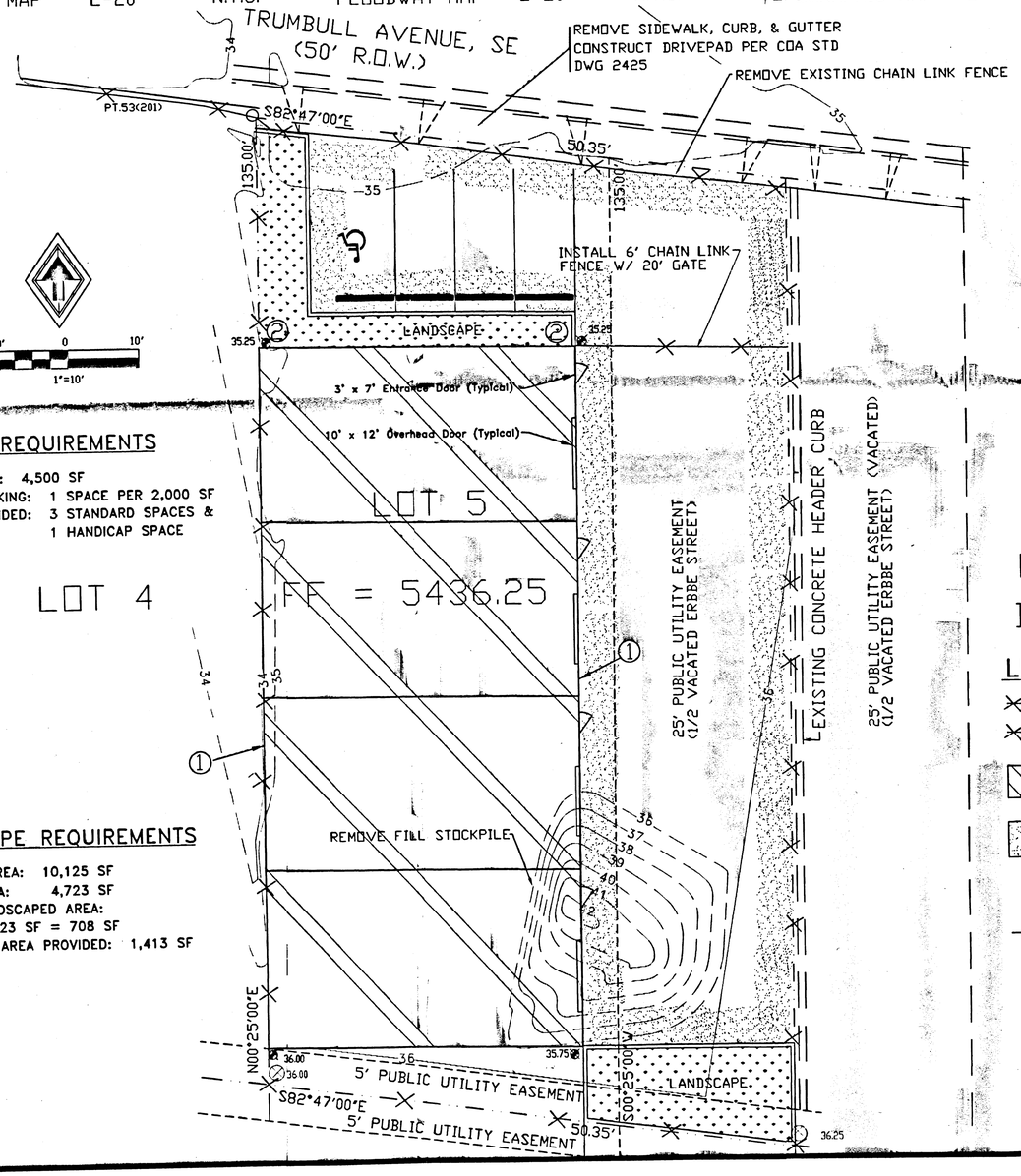

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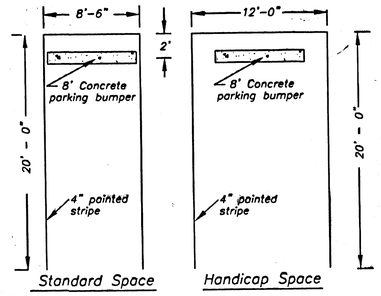
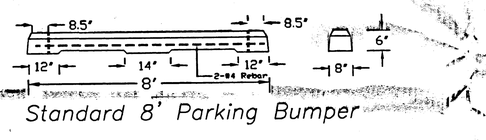


PARKING SPACE DIMENSIONS



Standard 8' Parking Bumper

KEYED NOTES:

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2. DOWNSPOUT W/ CONCRETE SPLASH PAD

LEGEND

- PROPOSED FENCE
- EXISTING FENCE
- PROPOSED WAREHOUSE BUILDING
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Lot 5 is located within Flood Hazard Zone X (i.e., areas of 100-year flood with average depths of less than 1 foot) designated on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Map (FIRM) Community-Panel No. 35001C0358 D (September 20, 1996).

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= 953 ft^3

Peak Discharge:

Q_{P1} = 3.14 ft^3/sec-acre (Land Treatment 'C')
Total Q_P = (Q_{P1} x 0.2324 acres)
= 0.73 ft^3/sec

On-Site 'Proposed Development' Condition (Lot 5):

12% Land Treatment 'C'; 88% Land Treatment 'D'

Excess Precipitation:
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Weighted E = ((E_1 x 0.03 acres) + (E_2 x 0.20 acres))/0.2324 acres
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Peak Discharge:
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HYDROLOGY SECTION

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NEW MEXICO
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REGISTERED PROFESSIONAL ENGINEER
09/25/99

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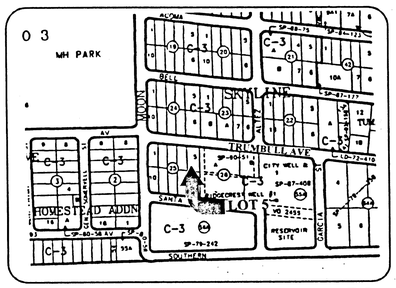

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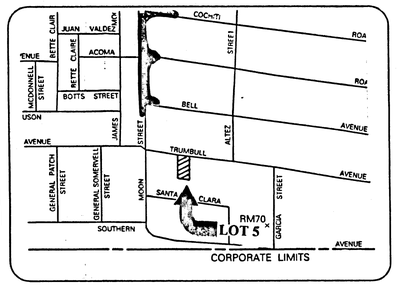

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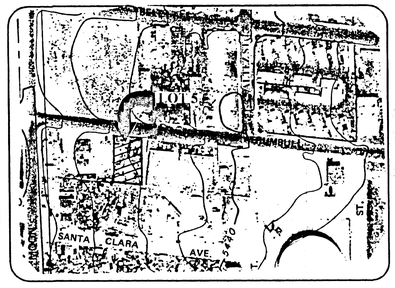

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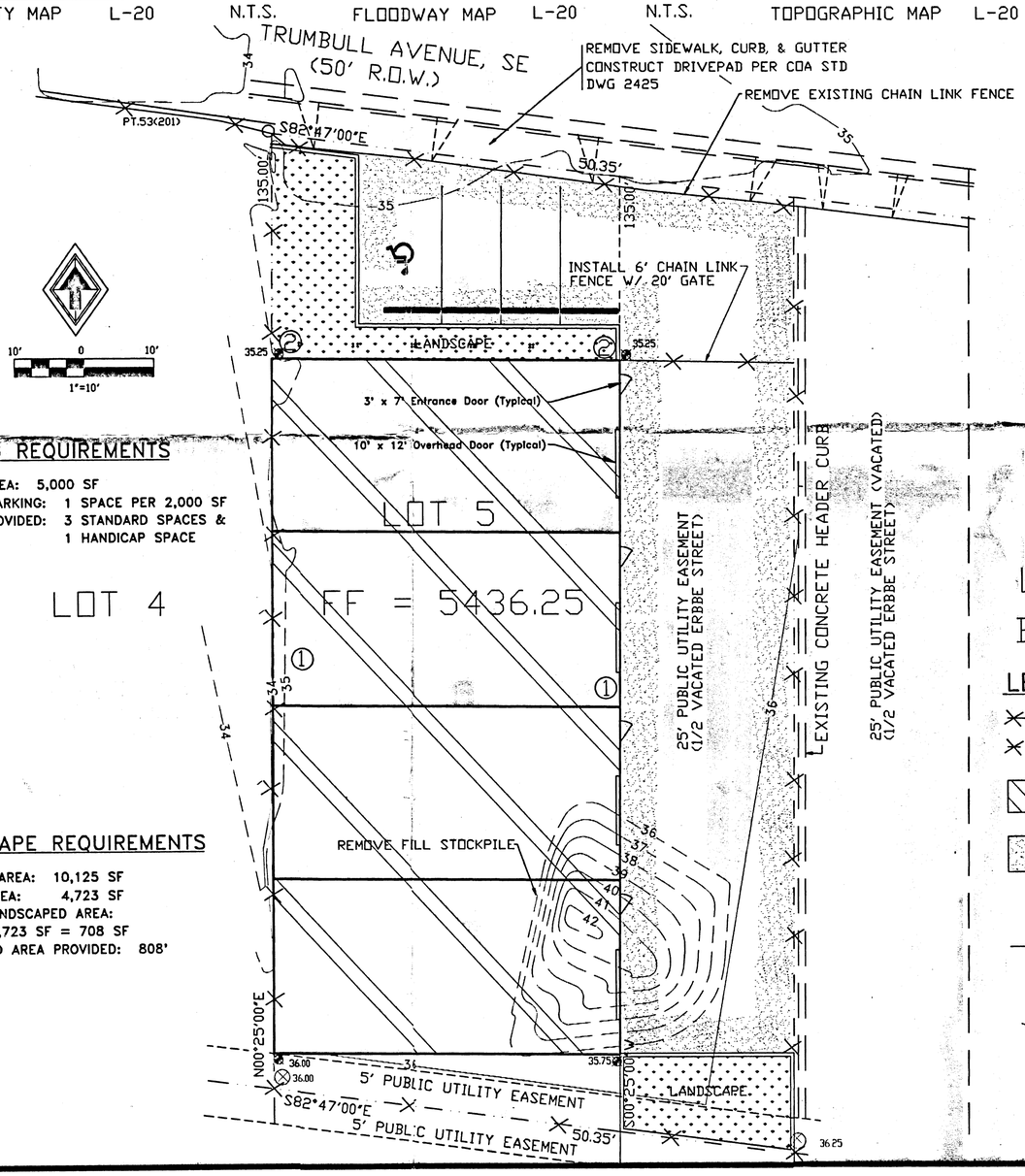

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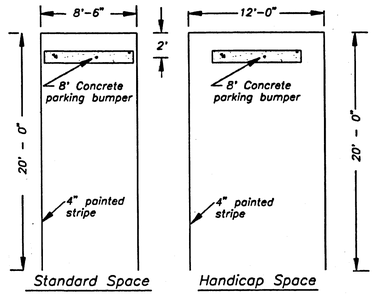

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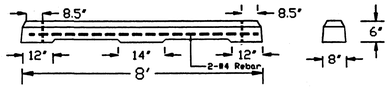

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RECEIVED
JUN 23 1999
HYDROLOGY SECTION

JAMES L. HEWITT, JR.
NEW MEXICO
9971
REGISTERED PROFESSIONAL ENGINEER
06/23/99

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