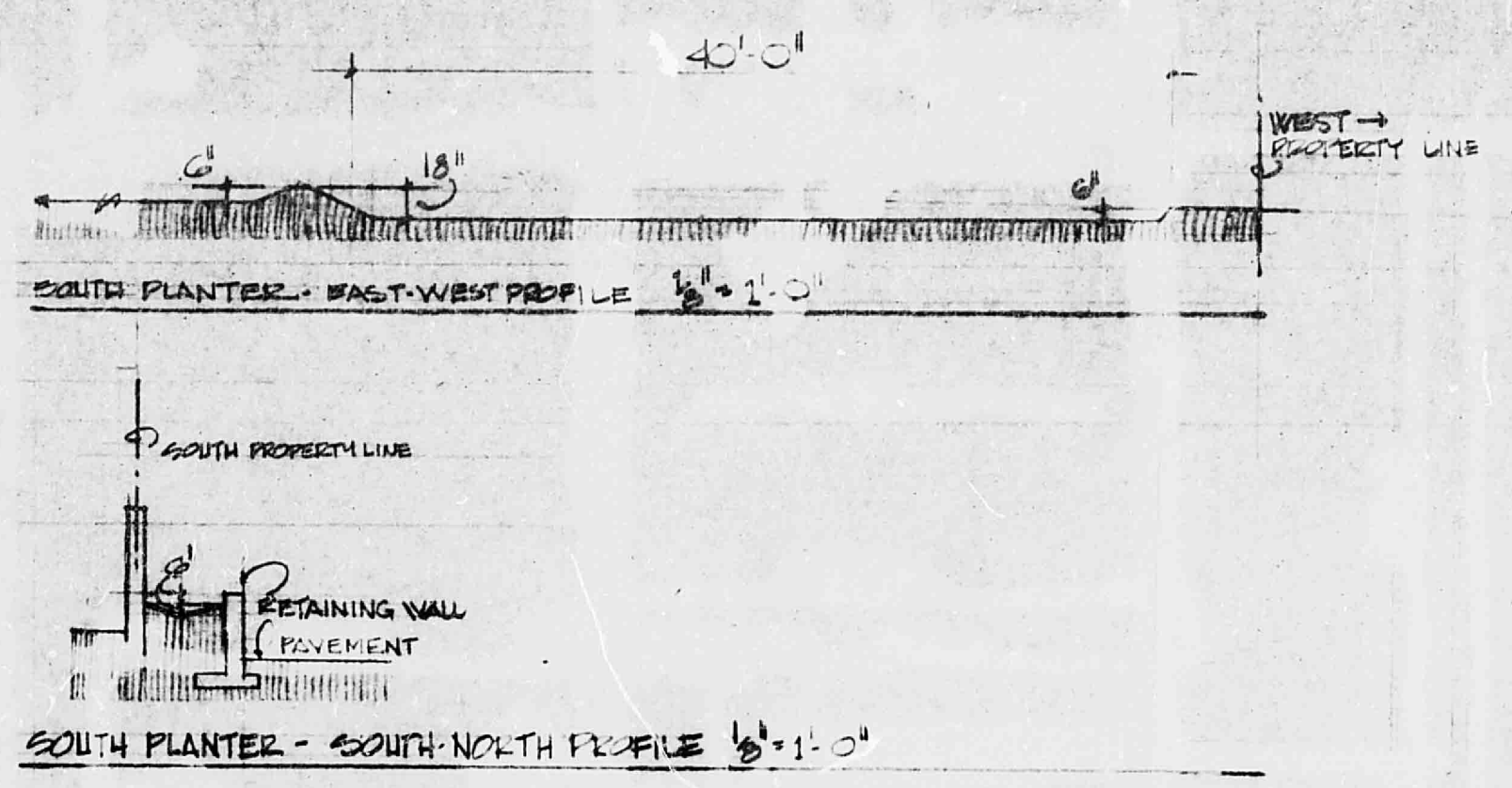
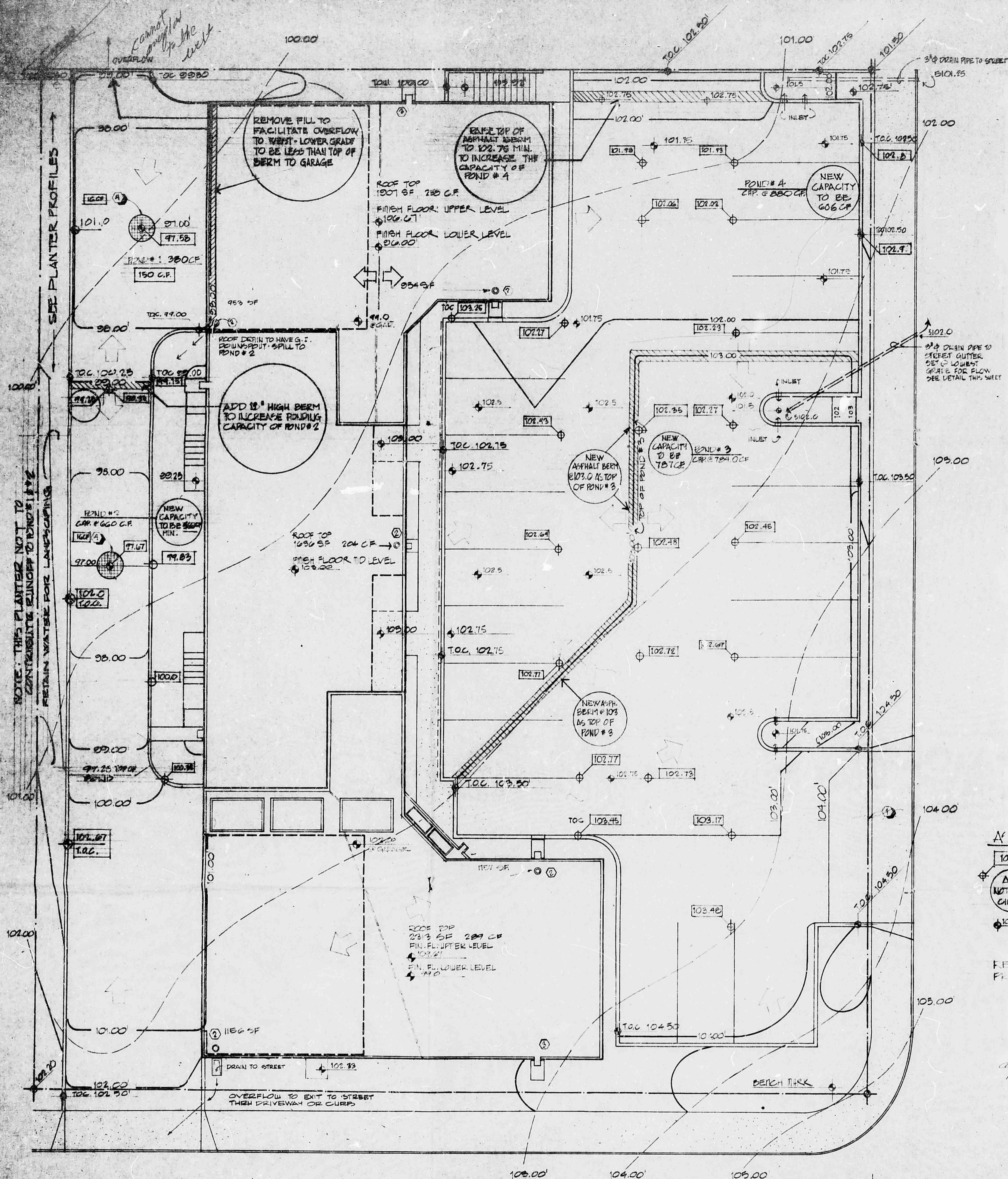




POND #1 (100% RETENTION)
 CONTRIBUTING AREA: 884 SF (ALL IMPERVIOUS)
 CONTR. VOLUME: $884 \times (2.4) \times (.9) = 1906.0$ CF
 ACTUAL VOL. 16 CF + 1906.0 = 1922 CF

POND #2 (100% RETENTION)
 CONTRIBUTING AREA: 1576 SF (ASPHALT + 75% SF FOOT)
 IMP: $(2524$ SF $\times$ $(2.4) \times (.9) = 455.22$ CF
 PERV: $(592$ SF $\times$ $(2.4) \times (.4) = 47.20$ CF
 CONTR. VOLUME: 502.50 CF
 ACTUAL VOLUME: 16 CF + 551 CF = 566 CF

APPROVED FOR DRAINAGE
 4-7-80
 J. Cugin
 ADVISE GRADING ENGINEER FOR
 WHEN GRADING IS TO BE DONE
 See letter dated
 April 11, 1980
 From Del Paul Jack

AS-BUILT NOTES

- 10.72 INDICATES AS-BUILT GRADES; SUPERSEDES SHOWN GRADE ELEVATION.
- Δ (NOTES IN CIRCLE) INDICATE NEW WORK (APRIL 1980)
- 10.73 INDICATES EXISTING GRADE EXCEPT WHERE SUPERSEDED BY AS-BUILT GRADE

REQUIRED CAPACITY 1658 CF
 PROVIDED MINIMUM 1777 C.F.

GRADING PLAN NOTES

EXISTING GRADE
 NEW GRADE
 NEW SPOT ELEVATION
 VOLUME RETENTION CALCULATION
 AREA OF PARCEL = 12125 SF
 INCHES OF RAINFALL = 2.4

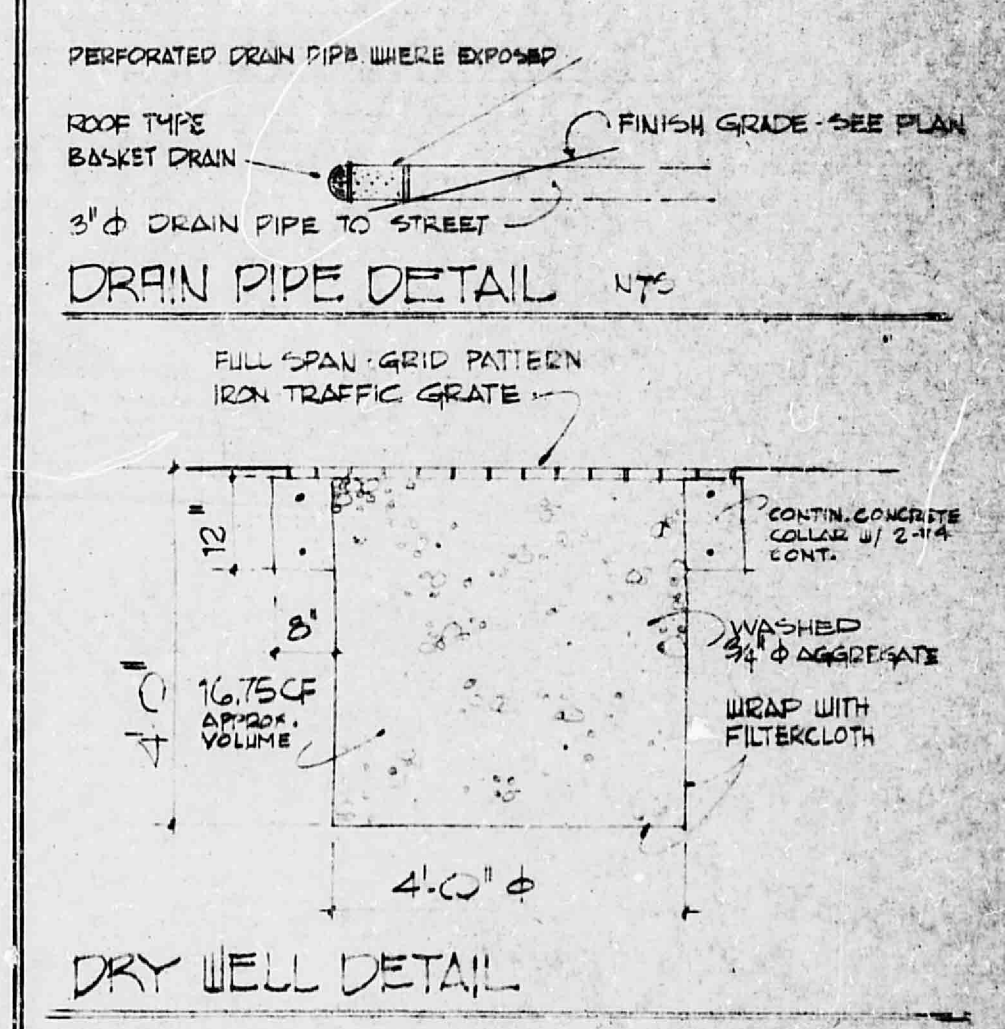
EXISTING CONDITIONS
 IMPERVIOUS AREA: 0
 PERVIOUS AREA: 12125 SF
 TOTAL
 V = 2880 CF

DEVELOPED CONDITIONS
 IMPERVIOUS AREA: 16580 SF
 PERVIOUS AREA
 TOTAL
 V = 2080 CF
 V = 208 CF

REQUIRED PONDING
 DEVELOPED R/OFF - EXISTING R/OFF = 1650 CF

ACTUAL PONDING VOL. IN C.F.
 POND #1 380 CF CONTRIBUTING AREA: 2307 SF
 POND #2 660 CF CONTRIBUTING AREA: 3903 SF
 POND #3 784 CF CONTRIBUTING AREA: 5817 SF
 POND #4 880 CF CONTRIBUTING AREA: 5887 SF

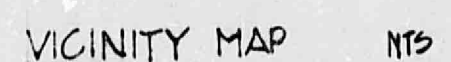
- SET THIS ROOF DRAIN 6" ABOVE ROOF LINE FOR WATER RETENTION. USE CONTROL FLO 2-105-118C BY ZURN OR EQUAL
- ROOF DRAIN, SAME AS ① ABOVE, SET AT ROOF LINE
- OVERFLOW SCUPPER SET 6" ABOVE ROOF LINE
- DRY WELLS 4'-0" DIAMETER 4'-0" DEEP FILL W/ 3/4" GRAVEL SEE DETAIL THIS SHEET



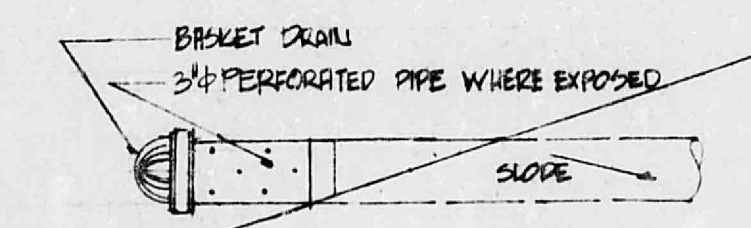
Del Jack - Architect
R. Schalk - Designer
 408 San Felipe Ave. Suite 2
 San Diego, CA 92101
 352-4388

GRADING AND DRAINAGE PLAN
 APRIL 1980

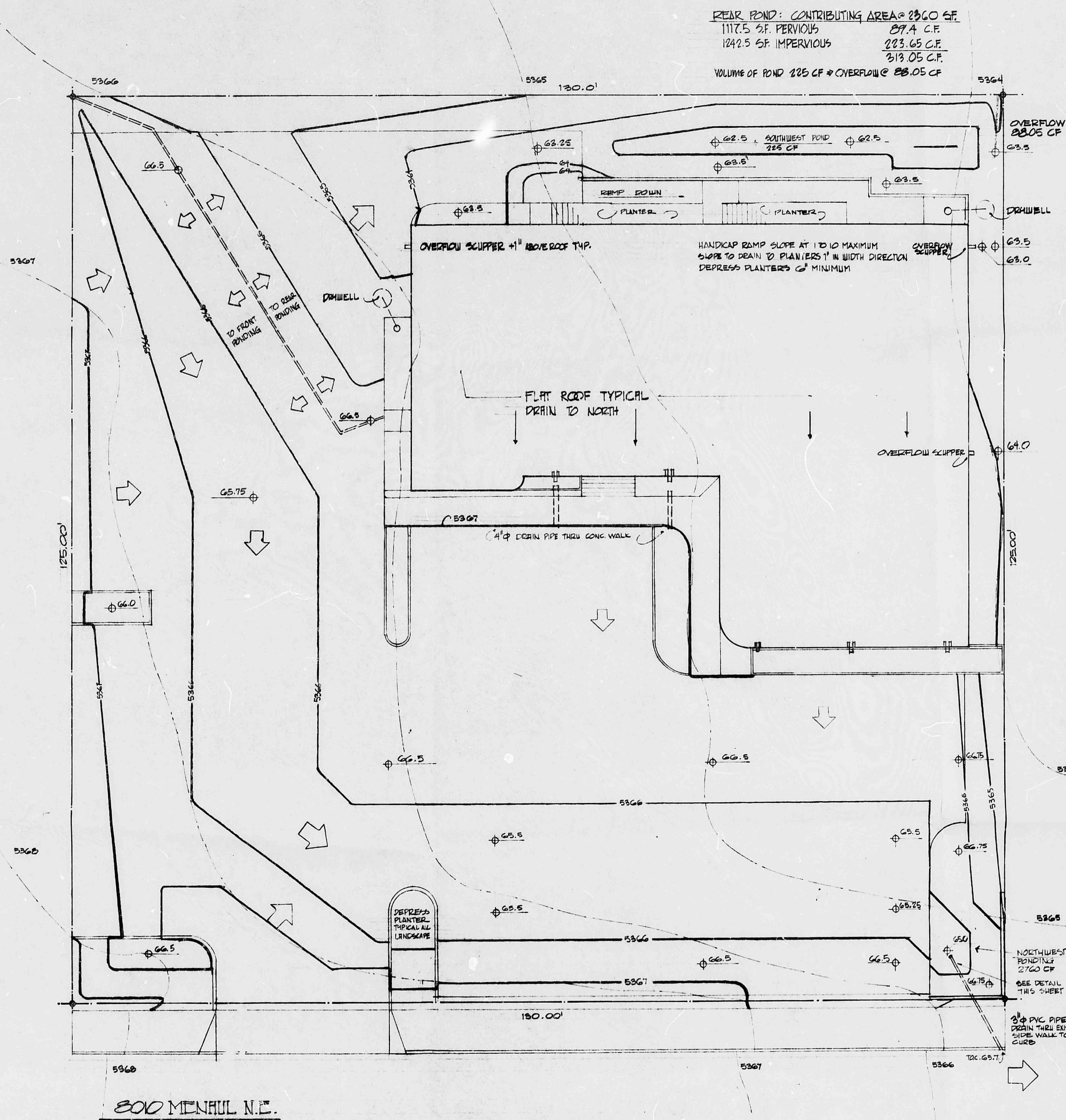
GRADING AND DRAINAGE PLAN - 1/2 BUILT APRIL 1980
 SCALE: 1/8" = 1'-0"



DATA:
ZONE ATLAS # H-19
EXIST SITE IS UNIMPROVED LAND
PROPERTY NOT LOCATED IN FLOOD PLAIN
INTERCEPTED DRAINAGE IS CONVEYED ACROSS REAR OF PARCEL



STREET DRAIN DETAIL



GENERAL NOTES

VERIFY CURB CUT ELEVATIONS IN FIELD - FOR DRAIN
PIPE FROM N.W. POND AND NOTE HEIGHT OF BUILDING
FROM NEAREST CURB - SEE WALL SECTIONS

CALCULATIONS

DATA: AREA OF PARCEL G 16,250 SF
RUNOFF: BEFORE DEVELOPEMENT 9550 CF @ 1.4 = 1320 CF
 Pervious AREA: $C = .4 \rightarrow 2742 \text{ SF} \rightarrow 179.36 \text{ CF}$
 IMPERVIOUS AREA: $C = .9 \rightarrow 14,008 \text{ SF} \rightarrow 2521.44 \text{ CF}$
 DEVELOPED RUNOFF TOTAL 2700.8 CF
 RETAINAGE VOLUME = RUNOFF INCREASE = 1400.8 CF

REAR PONDING @ SOUTHWEST

CONTRIBUTING ON SITE AREA : 2360		G.F.
PERVIOUS AREA : 1117.5	VOL. =	87.4 CF
IMPERVIOUS AREA : 1242.5	VOL. =	223.65 CF
	TOTAL =	313.05 CF

VOL OF POND = 225 CF

FRONT PONDING: SOUTHWEST

CONTRIBUTING AREA: 13,590 SF

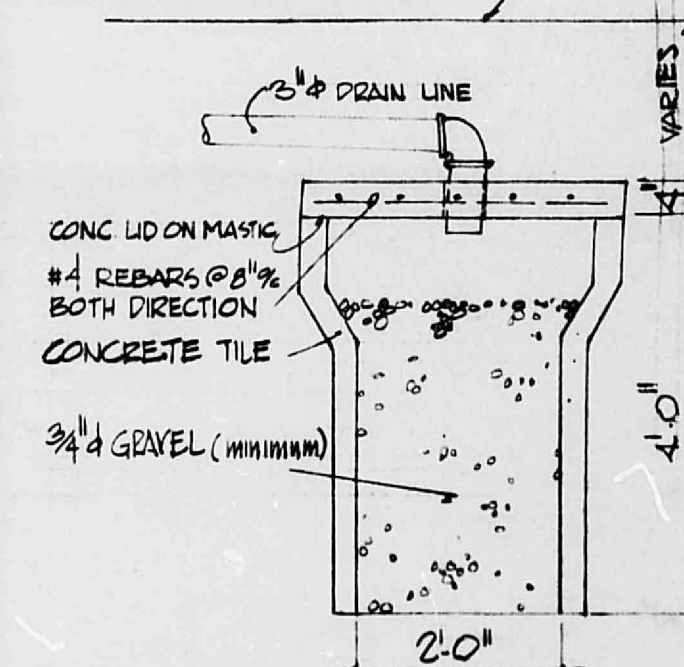
PERVIOUS AREA: 2242 VOL = 179.36 CF

IMPERVIOUS AREA: 13,708 VOL = 2617.44 CF

TOTAL = 2646.8 CF

VOL OF POND = 2760 CF

FIN. GR. SEE PLAN THIS SHEET



DRY WELL - 2 LOCATIONS
NTS.

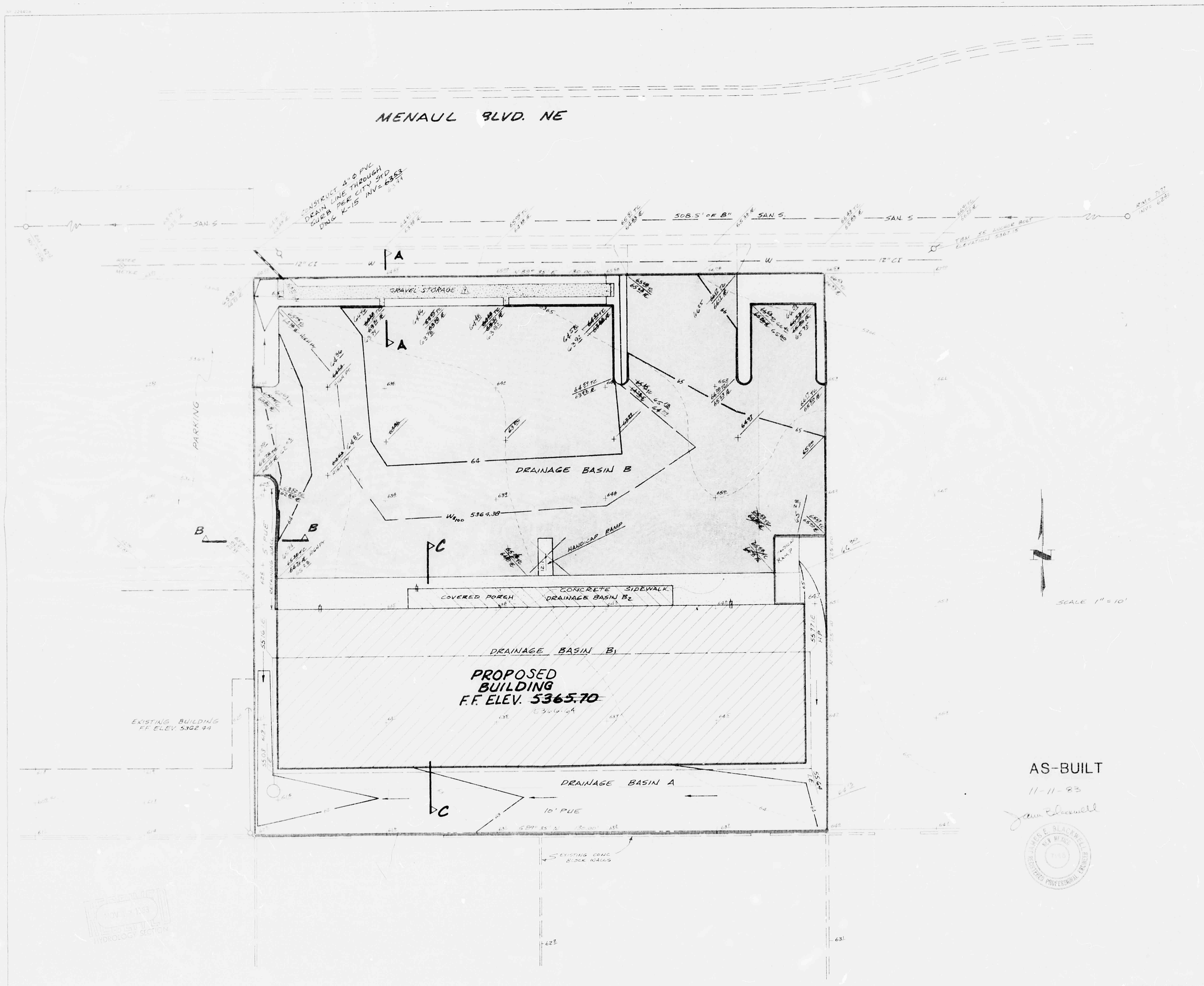
MENARD OFFICE BUILDING
8010 MENARD NE

DEL PAUL JACK - ARCHITECT 242-4371
400 SAN FELIPE N.W. #2 OLD ALBUQUERQUE

SHEET A.2 OF 9
APRIL 1979



DRAINAGE & GRADING PLAN 1" = 1'-0"



SURVEY INFORMATION			ENGINEER'S SEAL			AS BUILT INFORMATION		
NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
1	J. Blackwell	11-11-83	1	J. Blackwell	11-11-83	1	J. Blackwell	11-11-83
2	T. Riter	APRIL, 1983	2	T. Riter	APRIL, 1983	2	T. Riter	APRIL, 1983
3	J. Blackwell	APRIL, 1983	3	J. Blackwell	APRIL, 1983	3	J. Blackwell	APRIL, 1983

LEGAL DESCRIPTION
 LOTS 617 BLOCK 3 OF THE
 INEZ ADDITION AS FILED
 IN THE OFFICE OF THE COUNTY
 CLERK OF BERNALILLO
 COUNTY ON OCTOBER 6, 1949

REVISIONS

NO.	DATE	REMARKS
1	11-11-83	DESIGN
2	APRIL, 1983	DESIGN
3	APRIL, 1983	DESIGN

APPROVALS

ENGINEER	DATE	ENGINEER	DATE
City Engineer		Liquid Waste	
A.C.E. - Design		Traffic	
A.C.E. - Hydrology		Water	

TITLE: HOFFMANTOWN OFFICES DRAINAGE-GRADING PLAN

DRAWING NO. 4-19 SHEET 1 OF 2