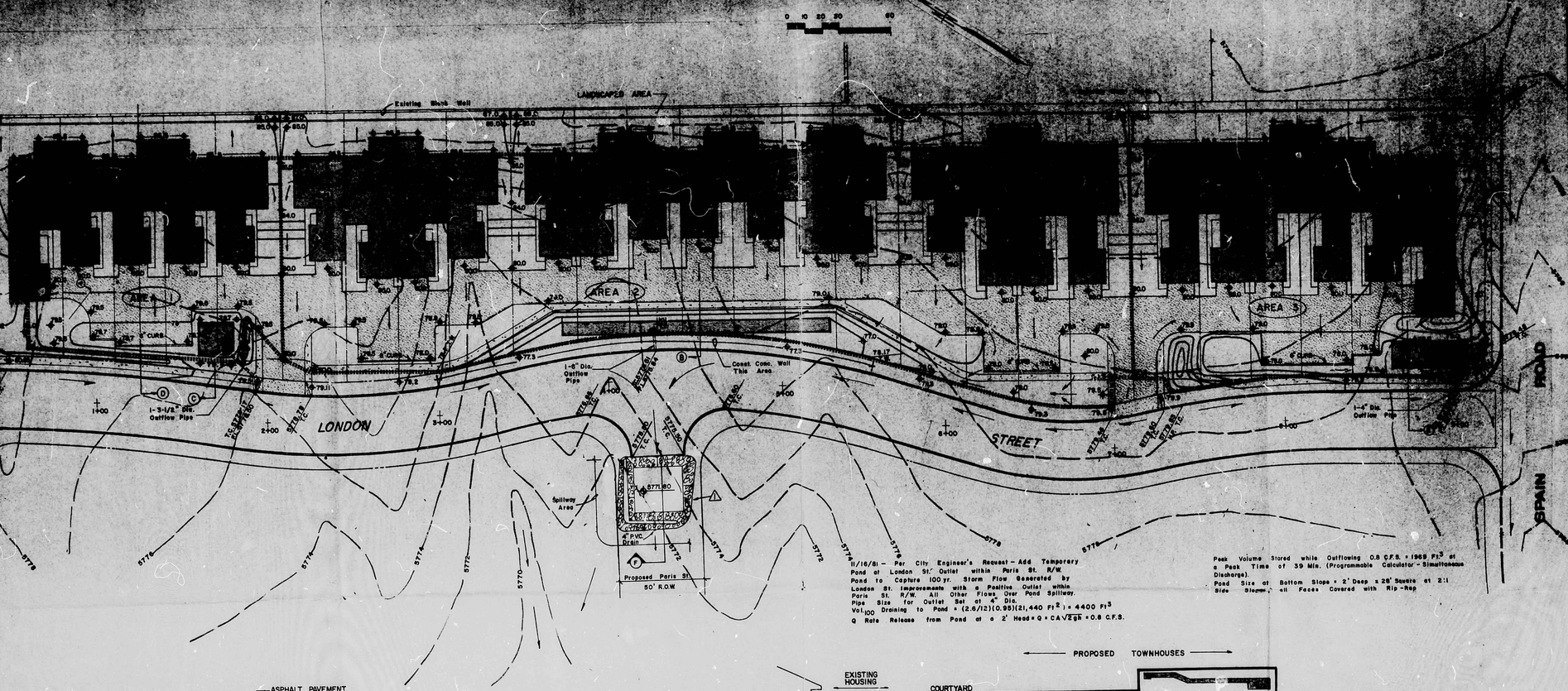
HYDROLOGY

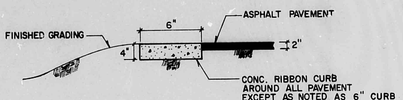
F22/D18

ONE PLAN

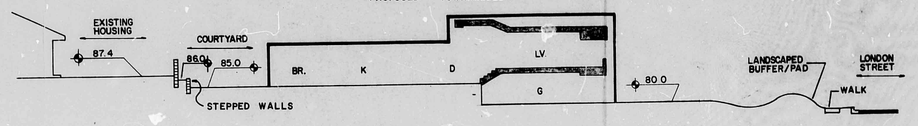


11/16/81 – Per City Engineer's Request – Add Temporary Pond at London St. Outlet within Paris St. R/W.
Pond to Capture 100 yr. Storm Flow Generated by London St. Improvements with a Positive Outlet within Paris St. R/W. All Other Flows Over Pond Spillway.
Pipe Size for Outlet Set at 4" Dia.
Vol.100 Draining to Pond = (2.6/12)(0.95)(2)(440 Ft^2) = 4400 Ft^3
Q Rate Release from Pond at a 2' Head = Q = CA$\sqrt{2gh}$ = 0.8 C.F.S.

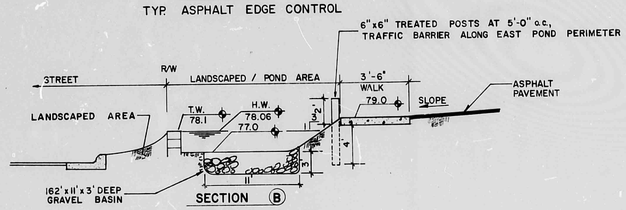
Peak Volume Stored while Outflowing 0.8 C.F.S. = 1969 Ft^3 at a Peak Time of 39 Min. (Programmable Calculator – Simultaneous Discharge).
Pond Size at Bottom Slope = 2' Deep x 28' Square at 2:1 Side Slopes, all Faces Covered with Rip-Rap



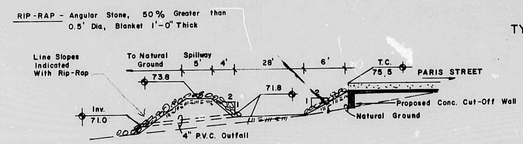
SECTION (A)
TYP. ASPHALT EDGE CONTROL



SECTION (D)
TYP. FRONT/REAR LOT GRADING



SECTION (B)
LANDSCAPED/POND AREA

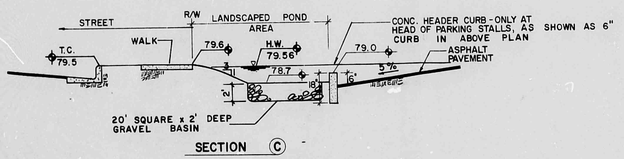


SECTION (F)

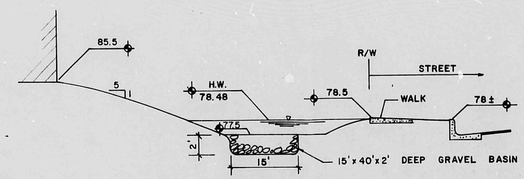
11/16/81
⚠ REVISION – Addition of Temporary Pond at London St Outlet to Accomodate Runoff from London St.

LEGEND

- x 12.7 – EXISTING SPOT ELEVATION
- —12— EXISTING CONTOUR
- 12.7 PROPOSED SPOT ELEVATION
- —12— PROPOSED FINISHED CONTOUR
- SURFACE FLOW DIRECTION
- SUB-SURFACE POND AREA
- SUB-BASIN BOUNDARY



SECTION (C)
LANDSCAPED/POND AREA



SECTION (E)
LANDSCAPED/POND AREA

SURVEY INFORMATION					
FIELD NOTES					
NO.	BY	DATE			

REFERENCES		
MAP NO. E & F - 21		
EST. NO.	WO. NO.	

BENCH MARKS	
CITY OF ALBQ.	15 - F22
ELEV. = 5787.30	
T.B.M. - S.N.E. COR. - B.C.	
ELEV. = 5784.91	

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	C.L.W.	DATE 9-81
DRAWN BY	D.E.C.	DATE 9-81
CHECKED BY	C.L.W.	DATE 9-81

ACADEMY SQUARE

Consultant Terradal Inc.

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: GRADING/DRAINAGE PLAN

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

DRAWING NO.

SHEET 3 OF 6

(1) F22/D18