

SUBMERSIBLE PUMP DETAIL

RUNOFF CALCULATIONS

OFFSITE UNDEVELOPED

NO OFFSITE FLOWS WILL ENTER THIS SITE.

ONSITE DEVELOPED

DRAINAGE AREA = 1.0000 acres
COMPOSITE RUNOFF COEFFICIENT "C" = 0.81
TIME OF CONCENTRATION = 10 min.
RAINFALL INTENSITY I = 5.28 in./hr.
 $C_{100} = 4.3$ cfs

RUNOFF VOLUME TO BE PONDED

VOL. = CDA
COMPOSITE RUNOFF COEFFICIENT "C" = 0.81
6 HR. RAINFALL VOLUME D = 2.5 in. = 0.21 ft.
DRAINAGE AREA = 1.0000 acres = 43560 sq. ft.
VOL. = $0.81(0.21)(43560) = 7400$ c.f.
VOL.(PROVIDED) = 7400 c.f.
STREET CAPACITY = 88 cfs

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right of way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with "City of Albuquerque Standard Specifications for Public Works Construction" (latest edition).
3. Two working days prior to any excavation, Contractor must contact the Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum of delay.
5. Backfill compaction shall be according to residential street use.
6. Maintenance of these facilities shall be the responsibility of the Owner of the property served.
7. Contractor is responsible for obtaining excavation permit for the S.O. 19 and provide proof of acceptance by the City prior to Hydrology sign-off for Certificate of Occupancy.

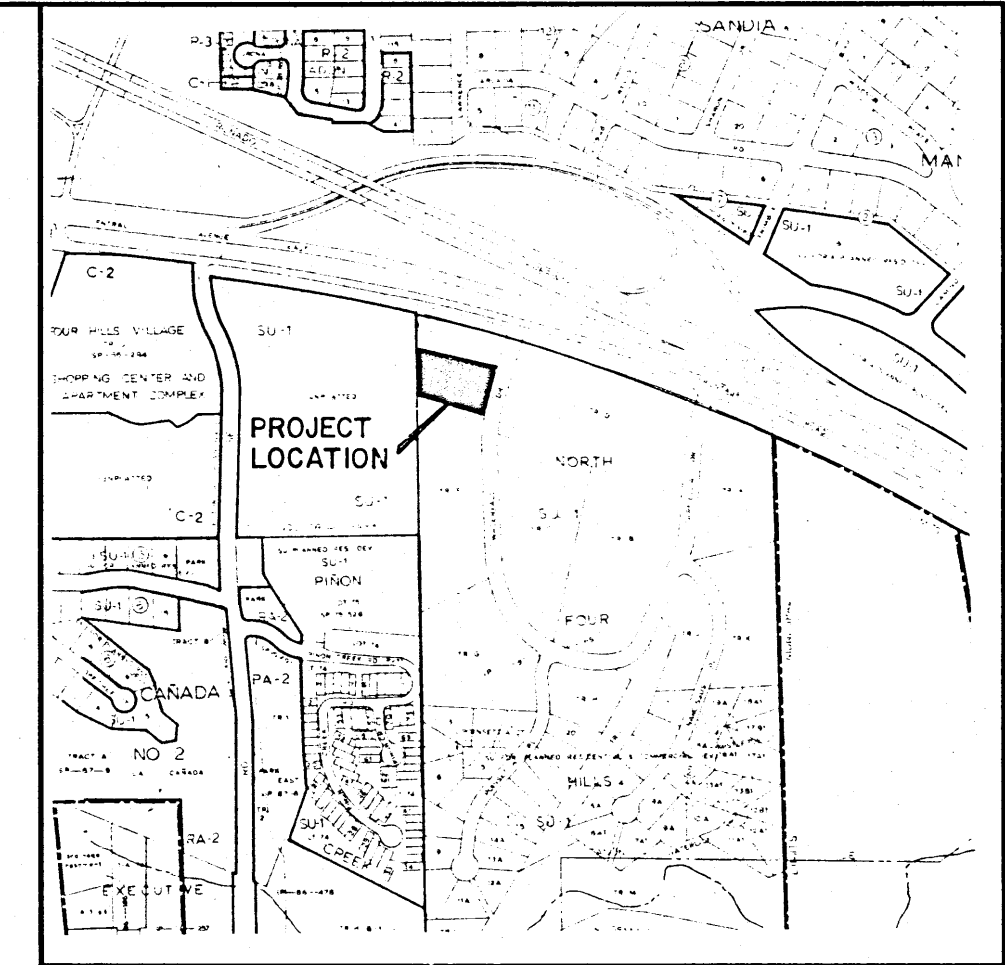
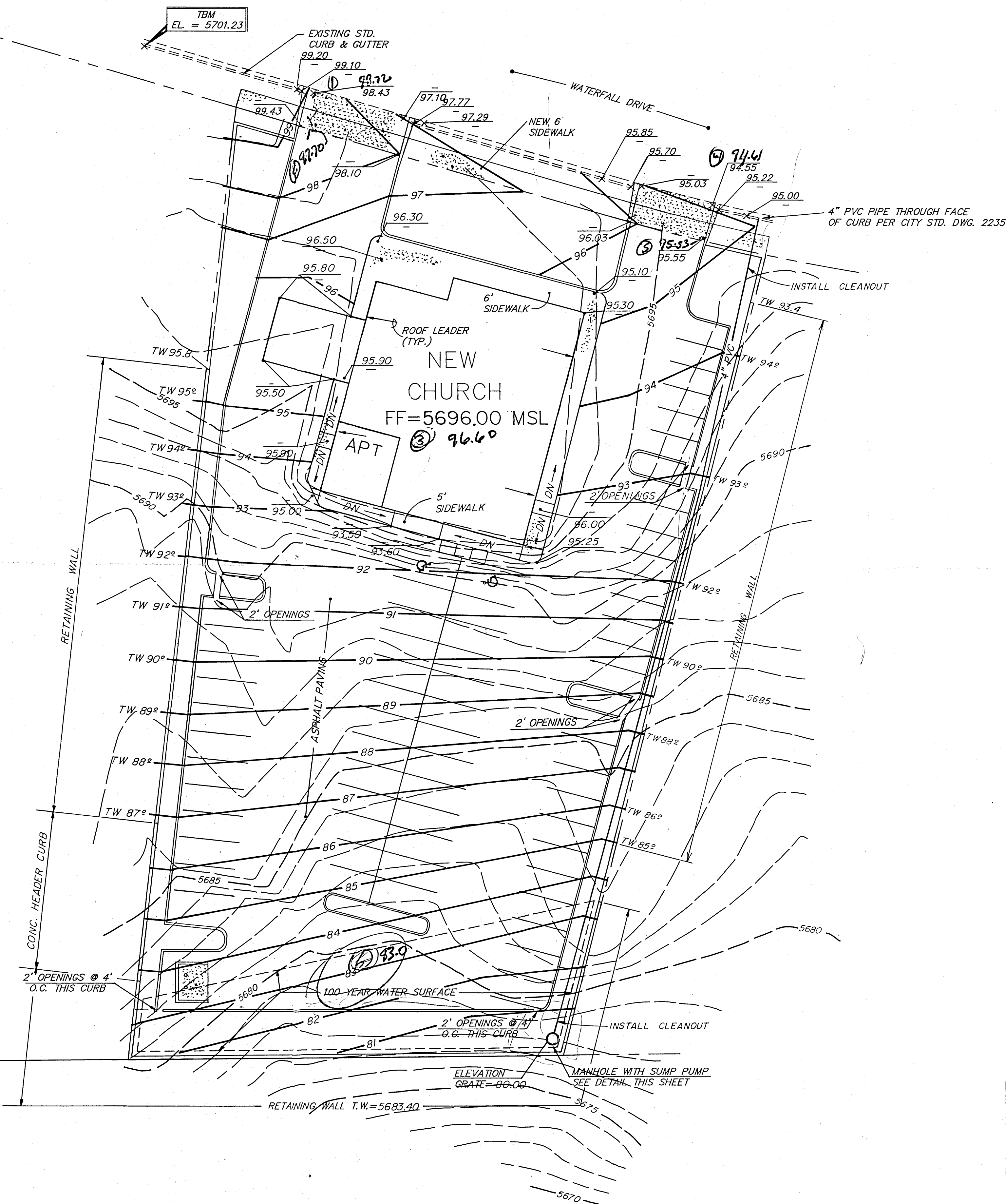
DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY

Design Approval: *Benito Montoya* 5/17/90
Hydrology Section Date
Inspection Approval: _____ Date
Acceptance: _____ Date

HYDROLOGY APPROVAL & INSPECTION

APPROVED FOR BUILDING PERMIT
ENGINEER: *B. Montoya* DATE: 5/17/90
INSPECTION REQUESTED DATE: 11-8-90
APPROVAL DATE: 11-8-90 DISAPPROVED
S019 PPROVAL DATE
SURVEY DATE: 11-8-90
HYDROLOGY BOOK NO/PAGE NO: 89-1 pg 117
REVIEWED BY: *DMG + AG*
COMMENTS:

N
HORIZ. SCALE: 1" = 20'



VICINITY MAP
ZONE ATLAS MAP NO. L-23-Z
NOT TO SCALE

LEGAL DESCRIPTION

TRACT E-2, NORTH FOUR HILLS SUBDIVISION

T.B.M.

A "V" CHISEL IN CURB ALONG WATERFALL DRIVE,
AS SHOWN ON PLAN AS
ELEV.=5701.23

ACS BENCHMARK

ACS BRASS CAP "TOM" ELEVATION = 5711.67

LEGEND

- 5670 — EXISTING CONTOUR
- 99 — PROPOSED CONTOUR
- 101.71 EXISTING SPOT ELEVATION (TC/FL)
- 102.00 PROPOSED SPOT ELEVATION (TC/FL)
- 101.50 EXISTING CURB AND GUTTER
- FLOW ARROW

GENERAL NOTES

1. STRIPE NEW PARKING SPACES WITH TRAFFIC-YELLOW PAINT. PROVIDE HANDICAPPED SYMBOL FOR HANDICAPPED SPACE.
2. ALL ELEVATION ARE MSL (MEAN SEA LEVEL)
3. ADD 5600 TO ALL SPOT ELEVATIONS
CONTOUR INTERVAL = 2'
4. SITE IS NOT LOCATED IN A FLOOD PLAIN
5. OFF-SITE FLOWS ENTER THIS SITE
6. CITY OF ALBUQUERQUE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 1986 EDITION ARE TO BE USED FOR ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY
7. 12" COMPACTED SUBGRADE TO A MINIMUM OF 95% ASTM D-1557 UNDER ALL AREAS TO BE PAVED
8. SEE ARCHITECTURAL SITE PLAN FOR PRECISE DIMENSIONS
9. ALL FILL MATERIAL FOR THIS PROJECT SHALL BE COMPACTED IN 8" LIFTS TO 95% COMPACTION, ASTM D1557.
10. ELEVATION AT FRONT PROPERTY LINE SHALL BE 1.0' ABOVE FLOWLINE ELEVATION OF CURB & GUTTER.

Benito Montoya
5/17/90

RECEIVED
APR 26 1990
HYDROLOGY DIVISION

JEHOVAH'S WITNESS CHURCH GRADING & DRAINAGE PLAN

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
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ALBUQUERQUE, NEW MEXICO 87154
(505) 265-0905

Designed: ZMG Drawn: MB Checked: DMG Sheet 1 of 1
Scale: 1"=20' Date: 11/89 Job: 8921