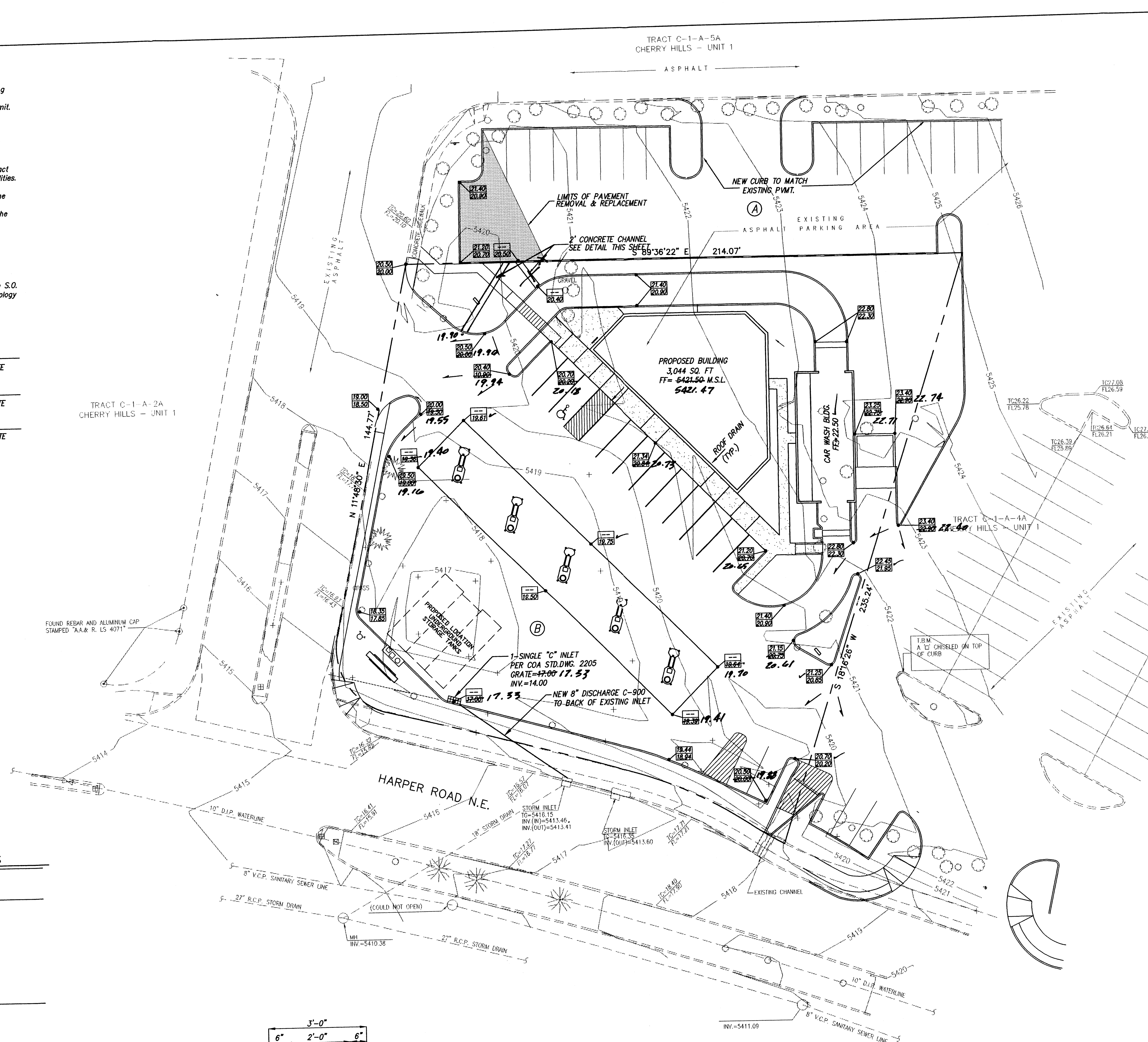


NOTICE TO CONTRACTOR

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" (1986 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 providing proof of acceptance by the City prior to Hydrology sign-off for Certificate of Occupancy.

DRAINAGE FACILITIES WITHIN CITY RIGHT OF WAY

Design Approval	HYDROLOGY SECTION	DATE
Inspection Approval	CONSTRUCTION SECTION	DATE
Acceptance	CONSTRUCTION/SECTION/PERMITS	DATE



DRAINAGE CALCULATIONS

DRAINAGE AREA A

$A = 0.26ac$
 $R_{100} = 2.60 \text{ in.}$
 $t_c = 10 \text{ min.}$
 $SD = 92\%$
 $Q_{100} = 1.15 \text{ cfs}$
 $V_{100} = 600 \text{ cf}$

DRAINAGE AREA B

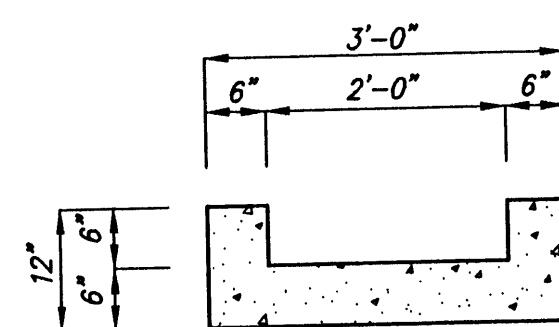
$A = 0.83ac$
 $R_{100} = 2.60 \text{ in.}$
 $t_c = 10 \text{ min.}$
 $SD = 85\%$
 $Q_{100} = 2.35 \text{ cfs}$
 $V_{100} = 2200 \text{ cf}$

PIPE AND CHANNEL HYDRAULICS

$Q = CLH^{3/2}$ $L = Q/CH^{3/2}$
 AREA A $L = 1.15/2.9 (0.5)^{3/2} = 1.12' \text{ USE } 2'$
 $Q = 0.6 \text{ A}^{1/2} \text{ S}^{3/2}$
 FOR AREA B & 8" LINE $Q = 2.91 \text{ cfs}$

CONCRETE CHANNEL DETAIL

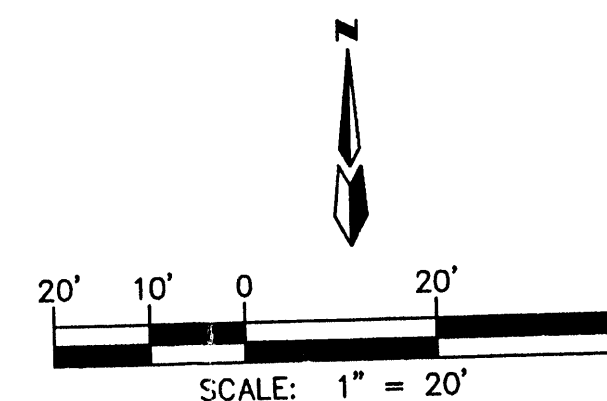
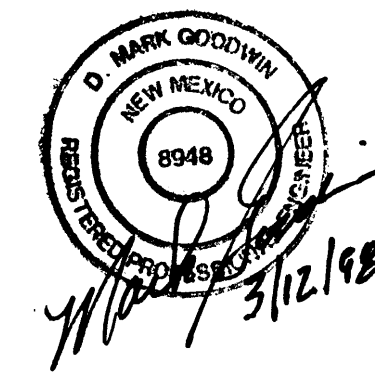
NTS



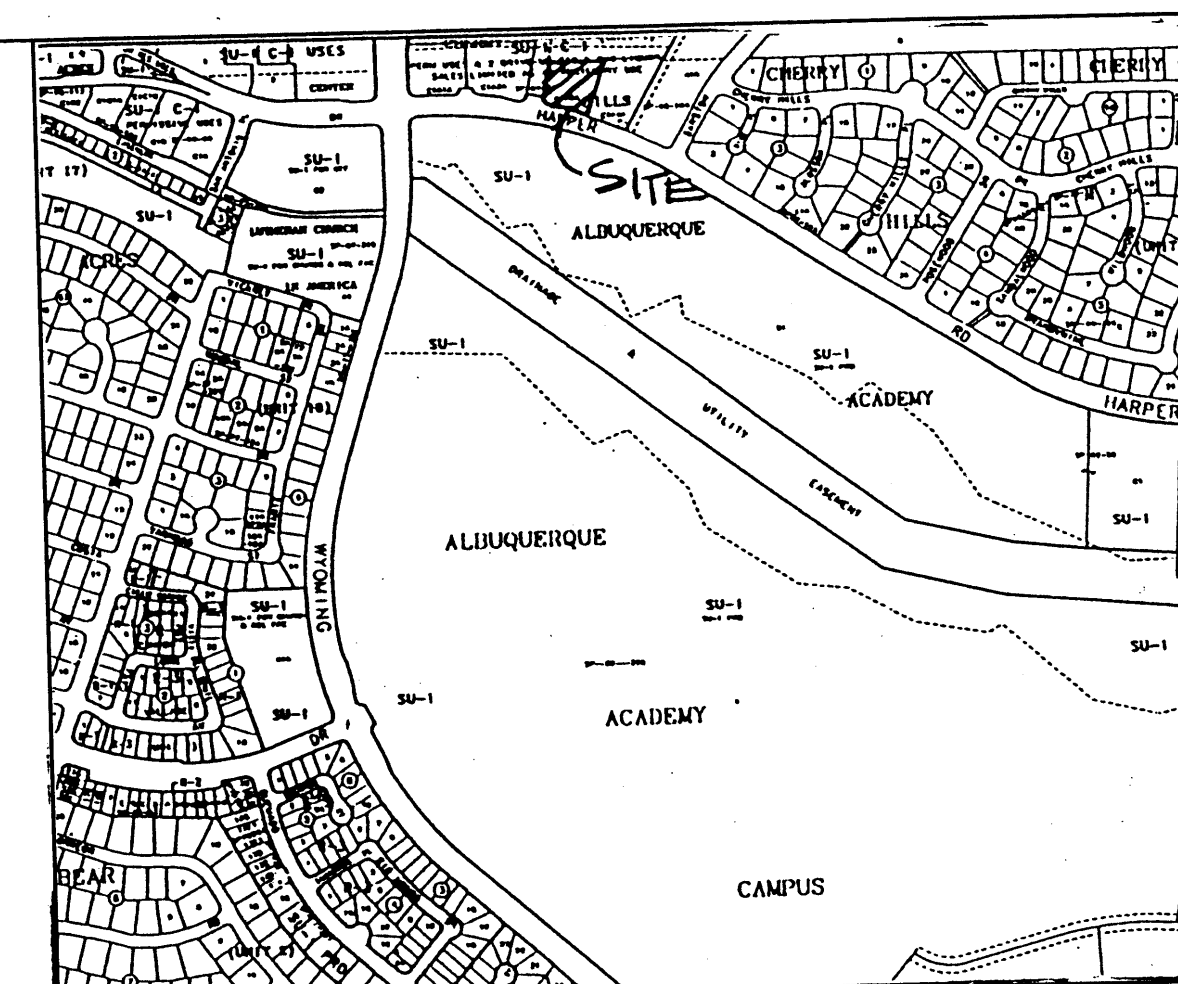
RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, S & J Enterprises, and by the surveyor, Jake Arguelles, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin NMPE 8948



7072TEXA\7072G20A\03-11-98\WLV



VICINITY MAP ZONE MAP: E-19-Z

TBM (TEMPORARY BENCHMARK)

A "C" CHISELED ON TOP OF THE CURB OF A PARKING LOT ISLAND AS SHOWN ON THE DRAWING.
ELEVATION = 5422.46 FEET (M.S.L.D.)

ACS BENCHMARK

AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 12-E19", EPOXYED TO THE TOP OF THE CONCRETE CURB AT THE NNW CURB RETURN AT THE INTERSECTION OF WYOMING BLVD. N.E. AND SAN ANTONIO DRIVE N.E.
ELEVATION = 5404.28 FEET (M.S.L.D.)

LEGAL DESCRIPTION

TRACT C-1-A-3A, CHERRY HILLS, UNIT 1

NOTES

1. SEE SITE SURVEY FOR DEMOLITION REQUIREMENTS.
2. APPROVED DRAINAGE MASTER PLAN FOR DEL NORTE SHOPPING CENTER ALLOWS FOR FREE DISCHARGE.
3. THIS PROJECT ENTAILS CONSTRUCTION OF A NEW BUILDING ON AN EXISTING PAD SITE, AND MODIFICATION OF EXISTING PARKING AREA.

LEGEND

- 77.20 76.00 76.00 NEW-TOP OF CURB AND FLOWLINE SPOT ELEVATION
- 17.71 17.71 17.71 EXISTING TOP OF CURB AND FLOWLINE SPOT ELEVATION
- PROPERTY LINE
- 63 NEW CONTOUR
- 5095 EXISTING CONTOUR
- NEW CURB
- EXISTING CURB
- NEW RETAINING WALL
- NEW 3:1 SLOPE
- NEW ROOF DRAIN
- (A) DRAINAGE AREA
- NEW FLOW ARROW

TEXACO — HARPER NE GRADING AND DRAINAGE PLAN

dmj MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 828-2200

Designed: DMG	Drawn: FSM, WLV	Checked: DMG	Sheet 1 of 1
Scale: 1" = 20'	Date: 10/97	Job: 97072	