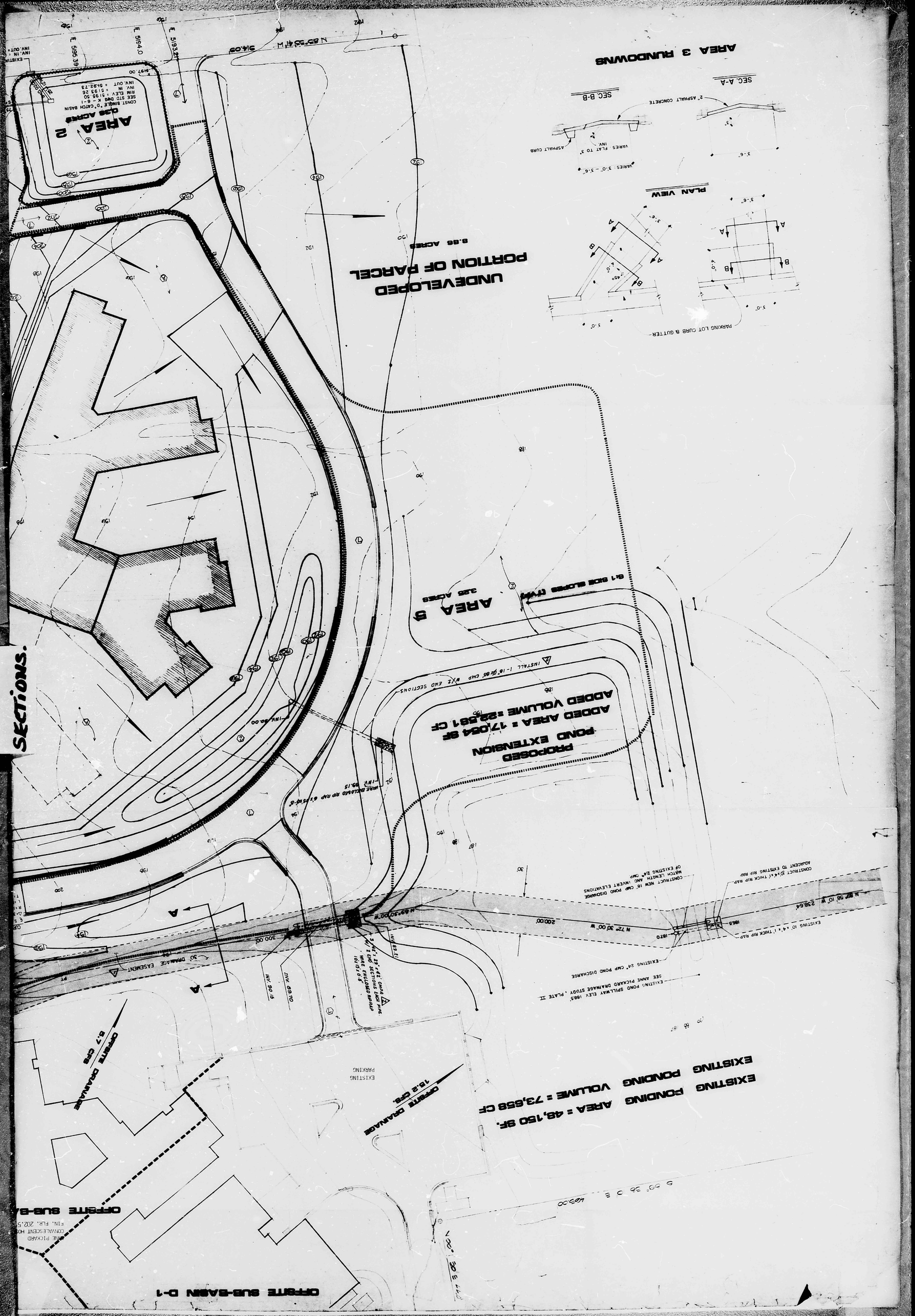
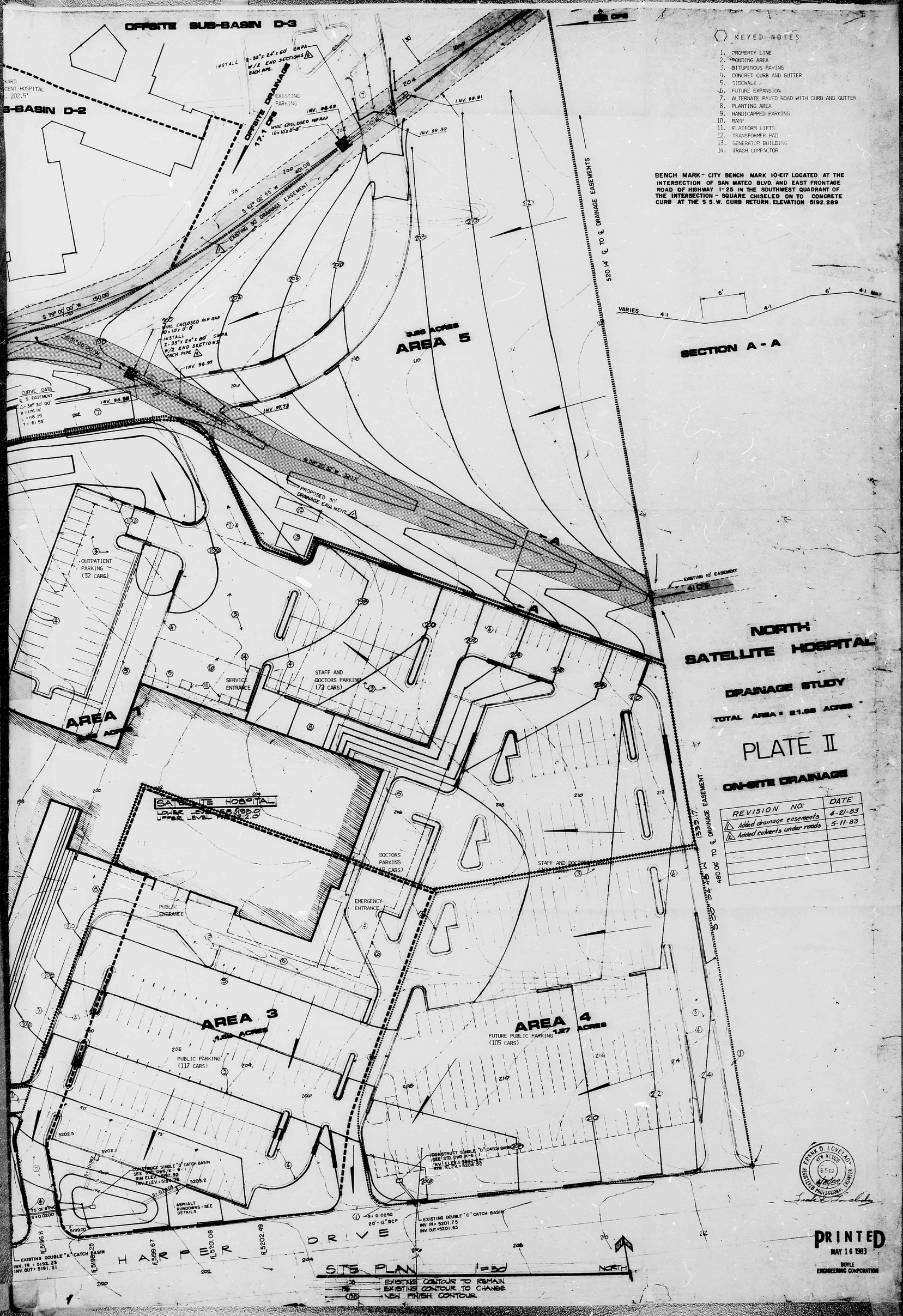
HYDROLOGY

E18/D5A
2 PLANS

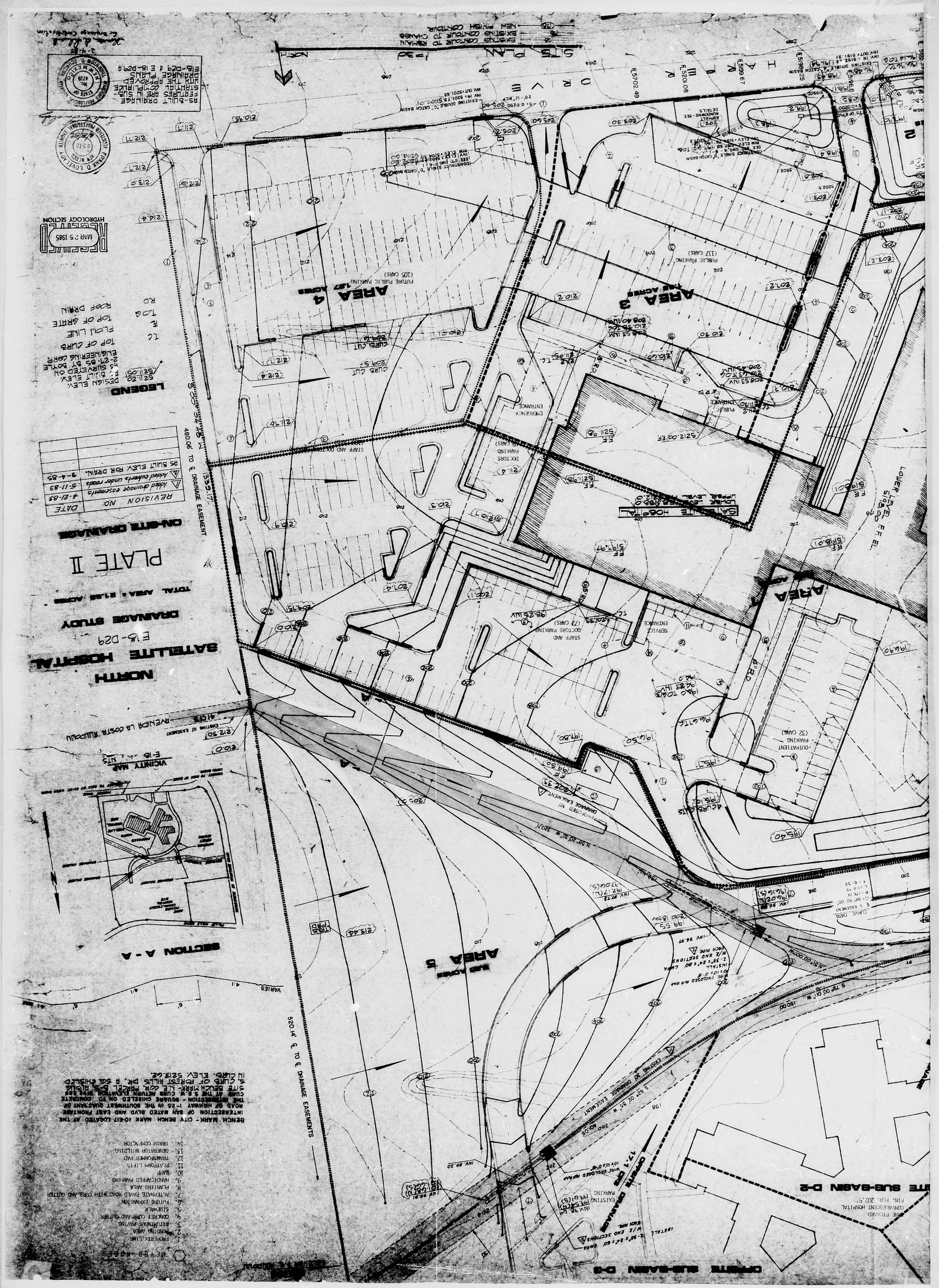
E/8/D5a

2 Plans


PLAN SHOT IN TWO SECTIONS.
AREA 3 RUNDOWNS
SEC. A-A
SEC. B-B
2" ASPHALT CONCRETE
PLAN VIEW
PARKING LOT CURB & GUTTER
AREA 2
0.26 ACRES
UNDEVELOPED PORTION OF PARCEL
8.86 ACRES
AREA 5
3.20 ACRES
PROPOSED POND EXTENSION
ADDED AREA = 17,024 SF
ADDED VOLUME = 22,581 CF
EXISTING POND AREA = 48,150 SF.
EXISTING POND VOLUME = 73,659 CF
OFFSITE DRAINAGE
15.2 CFS.
OFFSITE DRAINAGE
6.7 CFS
OFFSITE SUB-BASIN D-1
EXISTING PARKING
30' DRAINAGE EASEMENT
EXISTING 24" CMP POND DISCHARGE
EXISTING 10" x 4' THICK RIP RAP
N 75° 30' 00" W
200.00'
N 89°30'00" W
N 89° 58' 10" W 238.64'
EXISTING POND SPILLWAY ELEV 188.5
SEE ANNE PICKARD DRAINAGE STUDY, PLATE II
CONSTRUCT 24" CMP POND DISCHARGE
ADJACENT TO EXISTING RIP RAP
CONSTRUCT 10' x 4' THICK RIP RAP
INSTALL 1-18"ø CMP W/2 END SECTIONS
S 00° 38' 00" E 403.00'


OFFSITE SUB-BASIN D-3
SUB-BASIN D-2
OFFSITE DRAINAGE
17.1 CFS
INSTALL 2-36" x 24' x 60' CMPA W/2 END SECTIONS EACH PIPE
EXISTING PARKING
INV. 96.49
WIRE ENCLOSED RIP RAP 10'x10'x0'-8"
INV. 99.91
INV. 99.30
S 62° 02' 55" W 200.40'
EXISTING 30' DRAINAGE EASEMENT
S 79° 00' 00" W 150.00'
N 31° 00' 00" W
INV. 96.97
INV. 96.90
INV. 97.73
CURVE DATA
℄ S EASEMENT
Δ = 38° 30' 00"
R = 176.19'
L = 118.39'
T = 61.53'
N 38° 30' 30" W 320.7'
PROPOSED 30' DRAINAGE EASEMENT
AREA 5
3.25 ACRES
520.14' ℄ TO ℄ DRAINAGE EASEMENTS
VARIES
4:1
6'
SECTION A - A
KEYED NOTES
1. PROPERTY LINE
2. BONDING AREA
3. BITUMINOUS PAVING
4. CONCRET CURB AND GUTTER
5. SIDEWALK
6. FUTURE EXPANSION
7. ALTERNATE PAVED ROAD WITH CURB AND GUTTER
8. PLANTING AREA
9. HANDICAPPED PARKING
10. RAMP
11. PLATFORM LIFTS
12. TRANSFORMER PAD
13. GENERATOR BUILDING
14. TRASH COMPACTOR
BENCH MARK - CITY BENCH MARK 10-E17 LOCATED AT THE INTERSECTION OF SAN MATEO BLVD. AND EAST FRONTAGE ROAD OF HIGHWAY I-25 IN THE SOUTHWEST QUADRANT OF THE INTERSECTION - SQUARE CHISELED ON TO CONCRETE CURB AT THE S.S.W. CURB RETURN. ELEVATION 5192.289
EXISTING 10' EASEMENT
41 CFS
NORTH SATELLITE HOSPITAL
DRAINAGE STUDY
TOTAL AREA = 21.98 ACRES
PLATE II
ON-SITE DRAINAGE
REVISION NO. | DATE
1 Added drainage easements | 4-21-83
2 Added culverts under roads | 5-11-83
OUTPATIENT PARKING (32 CARS)
SERVICE ENTRANCE
STAFF AND DOCTORS PARKING (72 CARS)
AREA 1
SATELLITE HOSPITAL
LOWER LEVEL FF=5192.8
UPPER LEVEL FF=5212.0
DOCTORS PARKING (8 CARS)
STAFF AND DOCTORS PARKING (100 CARS)
PUBLIC ENTRANCE
EMERGENCY ENTRANCE
1333.17' S 89° 34' 28" W
480.06' TO ℄ DRAINAGE EASEMENT
AREA 3
1.28 ACRES
PUBLIC PARKING (117 CARS)
AREA 4
1.27 ACRES
FUTURE PUBLIC PARKING (105 CARS)
CONSTRUCT SINGLE "D" CATCH BASIN SEE STD. DWG. K-6.1
RIM ELEV. = 5197.50
INV. ELEV. = 5195.76
CONSTRUCT SINGLE "D" CATCH BASIN SEE STD. DWG. K-6.1
INV. ELEV. = 5202.87
RIM ELEV. = 5204.50
ASPHALT RUNDOWNS - SEE DETAILS.
S = 0.0250
20'-12" RCP
EXISTING DOUBLE "C" CATCH BASIN
INV. IN = 5201.75
INV. OUT = 5201.65
EXISTING DOUBLE "A" CATCH BASIN
INV. IN = 5192.23
INV. OUT = 5191.31
HARPER DRIVE
SITE PLAN 1=30'
NORTH
EXISTING CONTOUR TO REMAIN
EXISTING CONTOUR TO CHANGE
NEW FINISH CONTOUR
FRANK D. LOVELADY
NEW MEXICO
6512
REGISTERED PROFESSIONAL ENGINEER
PRINTED
MAY 16 1983
BOYLE ENGINEERING CORPORATION

PLAN SHOT IN TWO SECTIONS.
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT
EXISTING PONDING AREA = 48,150 SF.
EXISTING PONDING VOLUME = 73,658 CF
PROPOSED POND EXTENSION
ADDED AREA = 17,024 SF
ADDED VOLUME = 22,581 CF
UNDEVELOPED PORTION OF PARCEL
8.86 ACRES
AREA 2
0.39 ACRES
AREA 5
3.85 ACRES
AREA 3 RUNDOWNS
PLAN VIEW
SEC. A-A
SEC. B-B
OFFSITE DRAINAGE
EXISTING PARKING
LOWER LEVEL SLAB FF EL


NORTH SATELLITE HOSPITAL
E18-D29
DRAINAGE STUDY
TOTAL AREA = 21.44 ACRES
PLATE II
ON-SITE DRAINAGE
REVISION NO. DATE
4-21-83
5-11-83
3-4-83
LEGEND
SITE PLAN
1"=30'
NORTH
DRIVE
HAPPY
VICINITY MAP
SECTION A-A
AREA 3
AREA 4
AREA 5
ON-SITE SUB-BASIN D-2
OFFSITE SUB-BASIN D-3
480.06' TO ℄ DRAINAGE EASEMENT
520.14' ℄ TO ℄ DRAINAGE EASEMENTS
REVISED PLAN
RECEIVED
MAR 25 1985
HYDROLOGY SECTION