

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

KEN SCHULTZ
MAYOR

CLARENCE V. LITHGOW
CHIEF
ADMINISTRATIVE OFFICER

DAN WEAKS
DEPUTY CAO
August 9, 1989
PUBLIC SERVICES

FRED E. MONDRAGON
DEPUTY CAO
DEVELOPMENT & ENTERPRISE SERVICES

RAY R. BACA
DEPUTY CAO
PUBLIC SAFETY

James Nollenberger
Black & Veatch, Engineers-Architects
1400 S. Potomac Suite 200
Aurora, Colorado 80012

RE: REVISED DRAINAGE PLAN FOR LOVE NO. 8
(J-19/D45) REVISION DATED JUNE 1, 1989

Dear Mr. Nollenberger:

Based on the information provided on your resubmittal of July 31, 1989, the above referenced plan is approved for Building Permit.

Please attach a copy of this plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, concurrence from the State Highway Department for work done within their right-of-way must be submitted to our office.

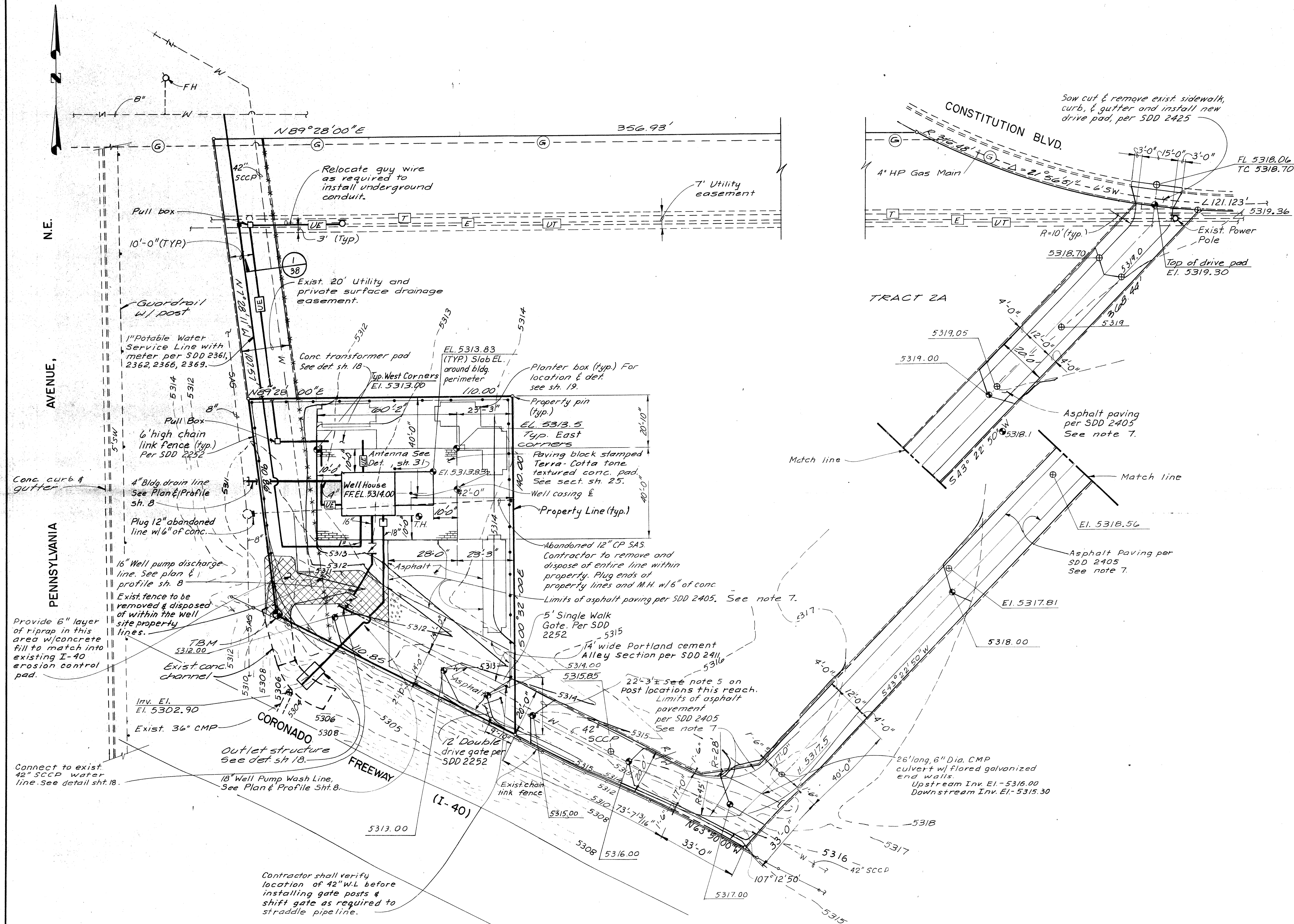
If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya, C.E.
Engineering Assistant

xc: Mike Mendoza

BJM/bsj
(WP+406)



NOTES

SITE GRADING PROCEDURES:

1. PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM, THE SITE SHALL BE ROUGH GRADED ± 1/10 OF ONE FOOT.
2. AFTER INSTALLATION OF THE IRRIGATION SYSTEM IS COMPLETE, SOIL SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS.
3. FINE GRADING SHALL BE PERFORMED TO ASSURE A CONSISTENTLY UNIFORM SURFACE, FREE OF RIDGES OR DEPRESSIONS. INSPECTION OF THE FINE GRADING SHALL BE PERFORMED BY THE ENGINEER PRIOR TO SEEDING AND PLANTING. THE CONTRACTOR SHALL PROVIDE A SIGNED STATEMENT FROM A REGISTERED LAND SURVEYOR STATING THAT ALL SITE GRADING MEETS SPECIFIED GRADES.

NOTES

EXISTING CONDITIONS:

4. THE PROPOSED SITE IS CURRENTLY UNDEVELOPED. OFF-SITE FLOWS ENTER THE SITE AND DISCHARGE INTO THE 36" STORM SEWER.

DEVELOPED CONDITIONS:

5. OFF-SITE FLOWS WILL CONTINUE IN A HISTORIC MANNER, ACROSS THE SITE, AND INTO THE 36" STORM SEWER. DEVELOPED FLOW WILL BE DIRECTED INTO THE EXISTING 36" STORM SEWER. THE STAMPED CONCRETE, ASPHALT PAVING AND NATIVE GRASS WILL CONTROL EROSION.

SITE GRADING NOTES:

6. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL PHYSICALLY STAKE AND MARK THE DETERMINED LOCATIONS OF ALL UTILITY LINES AND VERIFY THEM WITH ALL PUBLIC UTILITIES. ANY DAMAGE TO THE EXISTING UTILITY LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. PRIOR TO START OF GRADING, ALL ACTIVELY GROWING, EXISTING GRASSES AND WEEDS WITHIN THE LIMITS OF THE SITE SHALL BE TREATED WITH "ROUND UP" HERBICIDE TO COMPLETELY KILL ALL VEGETATION.
8. CONTRACTOR SHALL FIELD VERIFY THE TOTAL EXTENT OF WORK TO BE PERFORMED AND EXISTING CONDITIONS PRIOR TO BID.
9. CONTRACTOR SHALL ESTABLISH TWO PERMANENT BENCHMARKS PRIOR TO BEGINNING EARTHWORK. A SURVEYING LEVEL SHALL BE AVAILABLE AT ALL TIMES TO SPOT CHECK ELEVATIONS WHEN REQUESTED BY THE ENGINEER.

NOTES

10. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE DRAWINGS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THE PERMIT.
11. ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION," EXCEPT FOR GENERAL CONDITIONS.
12. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
13. 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 AMOUNT OF DELAY.
14. BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
15. MAINTENANCE OF THE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
16. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED AND TESTED PRIOR TO PAVING OR POURING OF THE STAMPED CONCRETE PAD.
17. DISPOSAL OF ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS SPECIFIED IN SECTION 6.14 OF THE GENERAL CONDITIONS IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION.
18. **CONSTRUCTION SAFETY:** THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE CONTRACTORS RESPONSIBILITY.
19. **EROSION CONTROL:** THE SITE WILL BE FULLY DEVELOPED IMMEDIATELY. EROSION PROBLEMS GENERATED BY PHASED DEVELOPMENT WILL NOT, THEREFORE, BE A PROBLEM.
20. **CONSTRUCTION PHASE:** THE CONTRACTOR SHALL EXERCISE REASONABLE CARE DURING CONSTRUCTION TO PREVENT THE MOVEMENT OF SEDIMENT FROM THE SITE INTO THE STREET. LOOSE SOIL STOCKPILES IN THE STREET DURING UTILITY CONNECTION ACTIVITIES SHALL BE PROTECTED FROM BEING CARRIED DOWNSTREAM BY FLOWING WATER IN THE STREET.
21. **TEMPORARY BENCHMARK (TBM):** A CONCRETE NAIL ON THE SOUTHWEST PROPERTY CORNER, ELEVATION 5308.74.
22. PLANTER BOXES FLUSH WITH GRADED SOIL.
23. AREAS NOT MARKED STAMPED CONCRETE OR ASPHALT PAVING WILL BE SEEDED WITH NATIVE GRASS.

LEGEND

EXIST. CURB AND GUTTER
NEW BLOCK WALL
EXIST. BLOCK WALL
NEW CHAIN LINK FENCE
EXIST. CHAIN LINK FENCE
NEW CONTOUR LINES
EXIST. CONTOUR LINES
NEW SPOT ELEVATIONS
EXIST. SPOT ELEVATIONS
PROPERTY LINES (SIDE)
PUBLIC EASEMENTS
NOTE LEADERS
MATCH LINES
DIMENSION LINES
SECTION CUT LINES
NEW RESIDENTIAL PAVING
EXIST. RESIDENTIAL PAVING
NEW CONCRETE PAVING
EXIST. CONCRETE PAVING
RIGHT OF WAY LINES
EXIST. FIELD FENCE

PROJECT INFORMATION

■ **FUNCTION:** WELL STATION

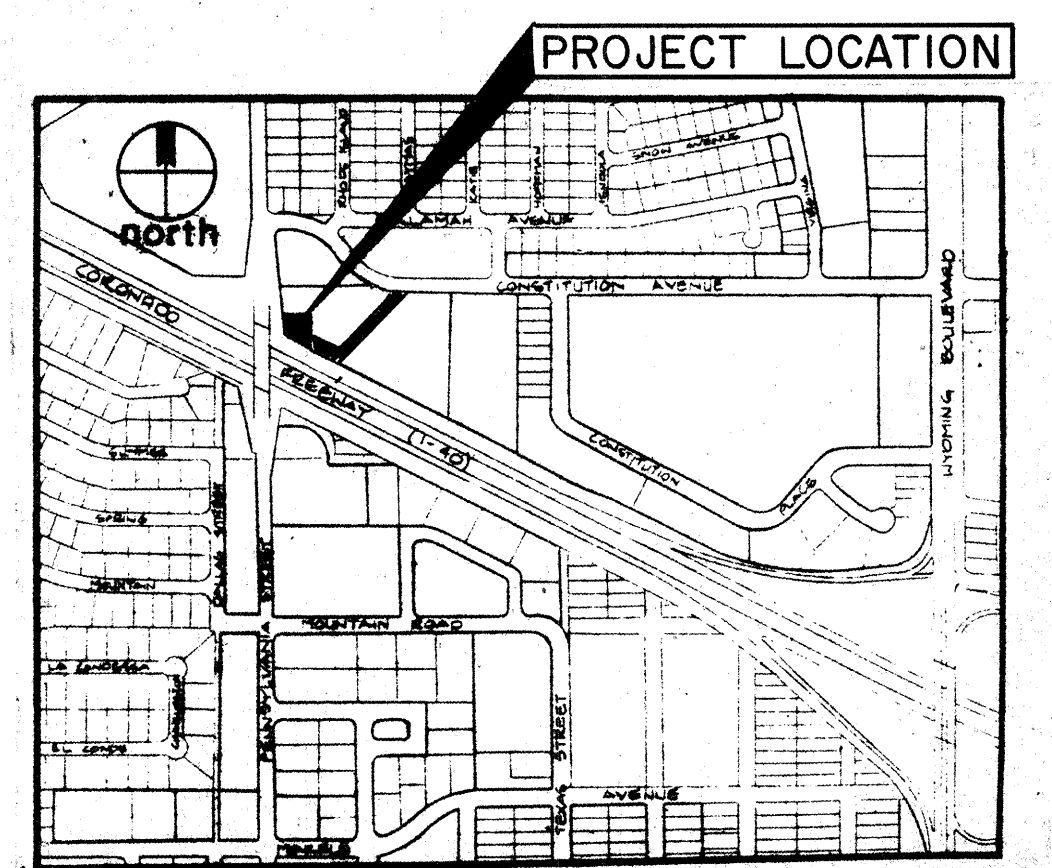
■ **LOCATION:** NEAR THE INTERSECTION OF PENNSYLVANIA ST. AND CONSTITUTION AVE. AT THE CORONADO FREEWAY (I-40)

■ **LEGAL DESCRIPTION:** TRACT 2-B OF THE THUNDERBIRD PROPERTIES.

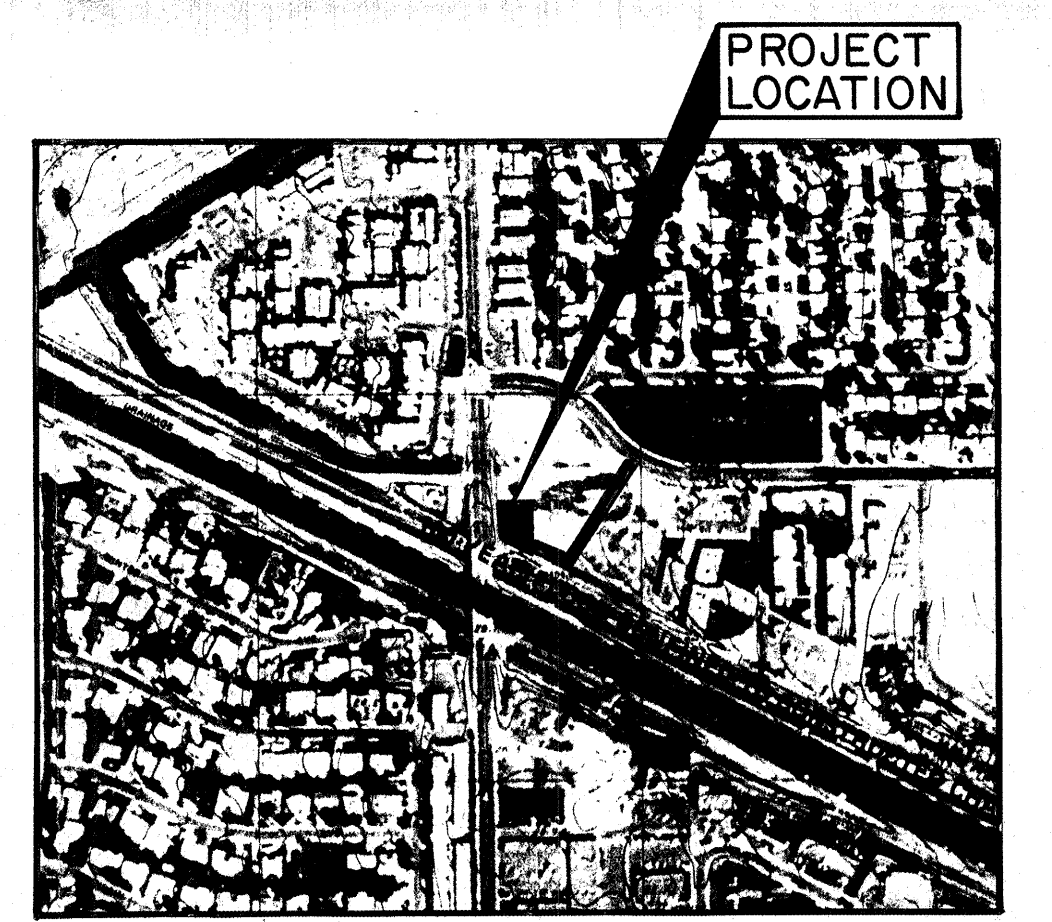
■ **ZONING ATLAS MAP:** J-19-S

■ **TOTAL ACREAGE:** 0.2730 ACRES

■ **TOTAL BUILDING AREA:** 1700 SQUARE FEET

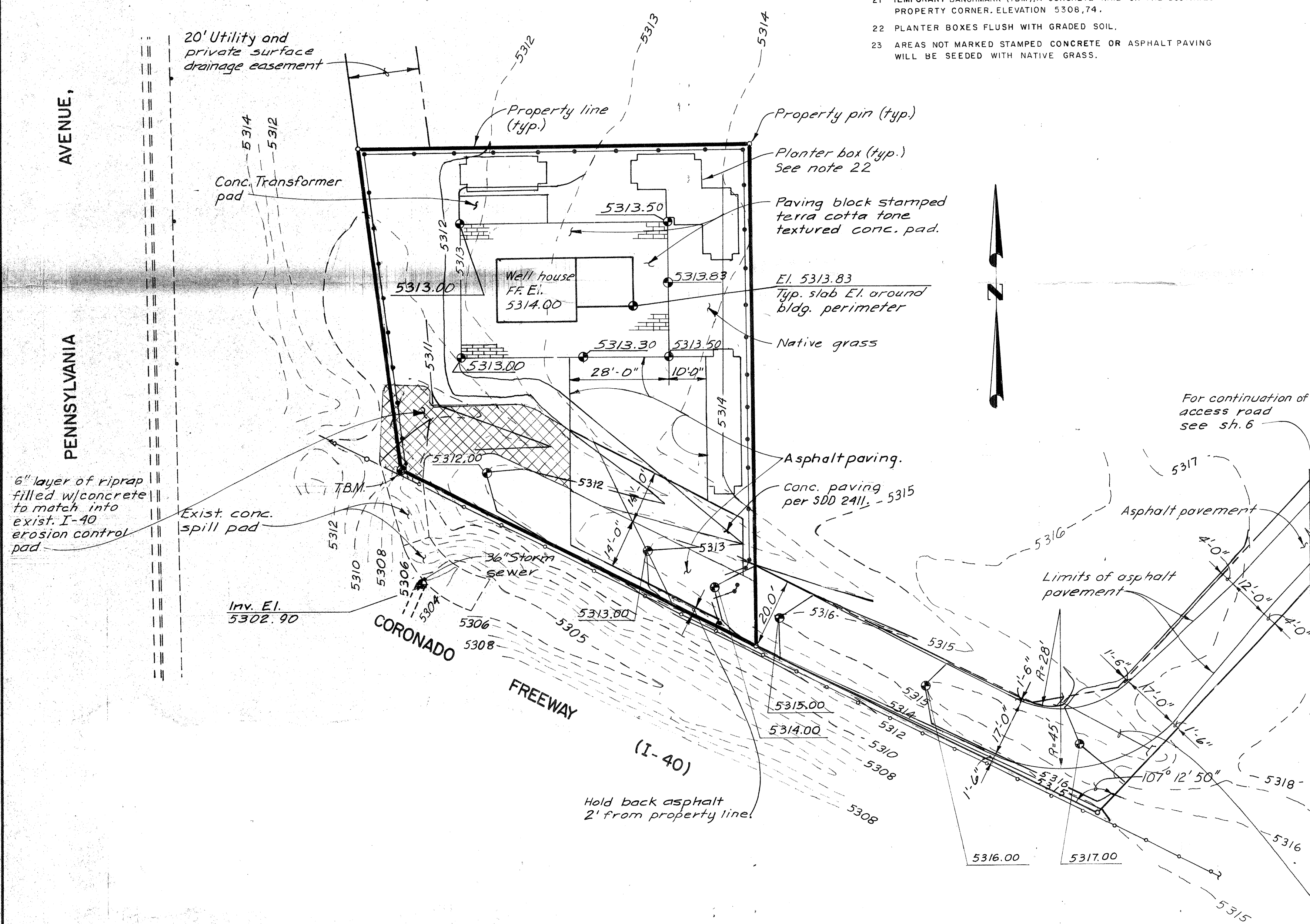


VICINITY MAP
No Scale



FLOOD HAZARD MAP AND OFFSITE FLOWS
No Scale

NE.
PENNSYLVANIA AVENUE,



LOVE WELL NO. 8 DRAINAGE PLAN
1" = 20'-0"

EXISTING CONDITIONS:

OFF-SITE FLOW,
USE T MINIMUM = 10 MINUTES
 $I = (2.5)(6.84)(10)^{-5.1} = 5.28$ (100 YEAR FLOOD)
 $C = 0.35$
 $A = \frac{(200')(1000')}{43560} = 4.59$ ACRES
 $Q = (5.28)(0.85)(4.59) = 8.48$ CFS

ON-SITE FLOW,
USE T MINIMUM = 10 MINUTES
 $I = 5.28$ (100 YEAR FLOOD)
 $C = 0.35$
 $A = 0.2730$ ACRES
 $Q = 0.50$ CFS

PROPOSED CONDITIONS:

OFF-SITE FLOW,
 $Q = 8.48$ CFS

ON-SITE FLOW
USE T MINIMUM = 10 MINUTES
 $I = 5.28$ (100 YEAR FLOOD)
 $C = 0.85$
 $A = 0.2730$ ACRES
 $Q = 1.23$ CFS

Black & Veatch
Engineers-Architects
BV PROJECT NO. 13222.010

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
TITLE: LOVE WELL NO. 8 DRAINAGE PLAN
JUL 31 1989
HYDROLOGY SECTION

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

COA PROJECT NO. 3676
MAP NO. J-19-S
SHEET 7 OF 49