

• L E G E N D •

MATERIALS

CONCRETE
RIP-RAP

LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE

EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
SWALE
DIRECTION OF FLOW

MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT

WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE

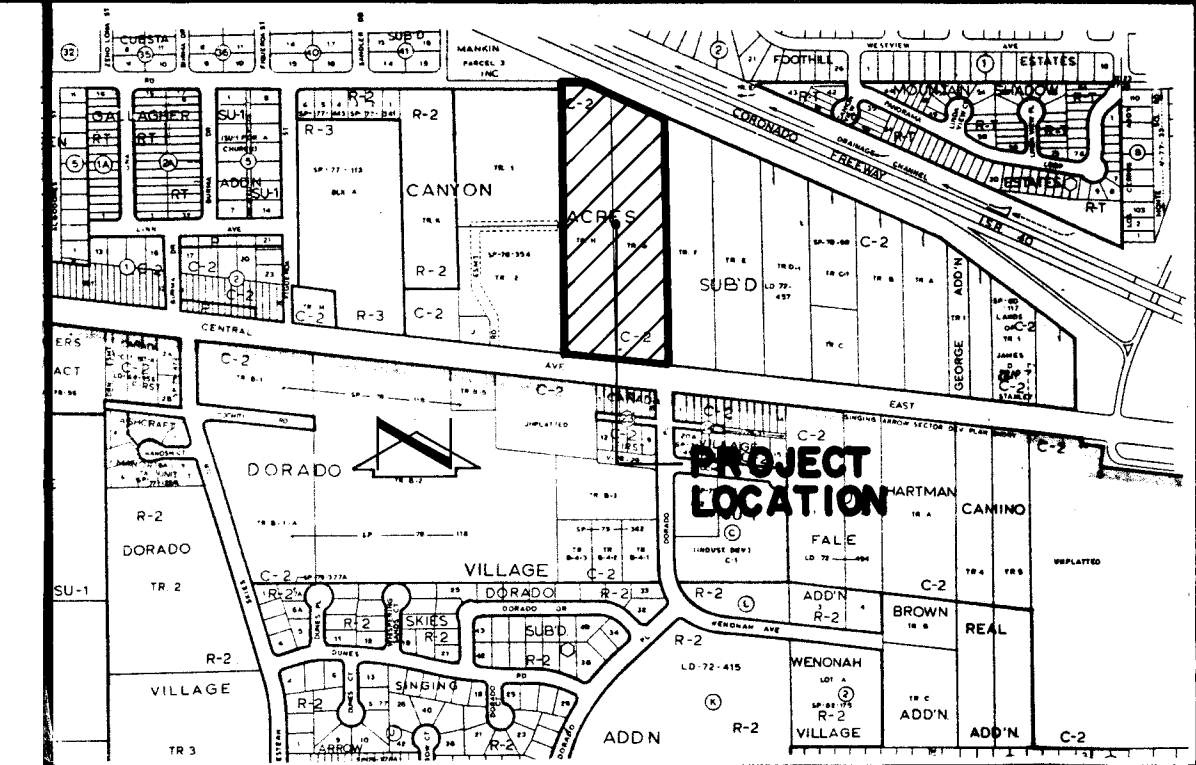
MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE

CONSTRUCTION PLANS
FOR THE
WATERLINE EXTENSION OF
EAST CENTRAL MOBILE HOME PARK
ALBUQUERQUE, NEW MEXICO
OCTOBER, 1985

• INDEX OF DRAWINGS •

SHEET NO.	DESCRIPTION
1	TITLE, INDEX, LEGEND & GENERAL NOTES
2	FINAL PLAT
3	GRADING & DRAINAGE PLAN (FOR INFORMATION ONLY)
4	WATER LINE & SANITARY SEWER SITE PLAN
5	WATERLINE EXTENSION PLAN & PROFILE



VICINITY MAP

SCALE: 1" = 800'

L-22

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1985.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 3 DAYS PRIOR TO CONSTRUCTION.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

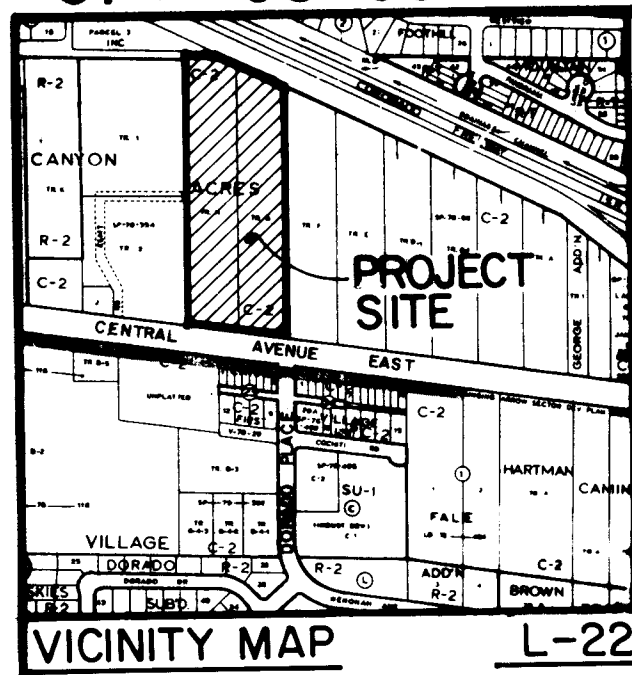
- ☒ All utilities and utility service lines shall be installed prior to paving.
- ☒ Backfill compaction shall be according to specified street use.
- ☒ Tack coat requirements shall be determined by the City Engineer.
- ☐ Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- ☒ If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
- ☒ All storm drainage facilities shall be completed prior to final acceptance.

4 OF 5							
REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

		APPROVED FOR CONSTRUCTION 2/17/86 Design A.C.E.
2644		SHEET 1 OF 5

JOB NO. 50591

SP# 08-06-387



L-22

SCALE: 1" = 800'

PROJECT SITE

SCALE: 1" = 100'

INTERSTATE HIGHWAY 40

TRACT ONE

TRACT TWO

TRACT H

TRACT G

TRACT H-1

TRACT G-1

TRACT F

TRACT E

TRACT D

TRACT C

TRACT B

TRACT A

TRACT 1

TRACT 2

TRACT 3

TRACT 4

TRACT 5

TRACT 6

TRACT 7

TRACT 8

TRACT 9

TRACT 10

TRACT 11

TRACT 12

TRACT 13

TRACT 14

TRACT 15

TRACT 16

TRACT 17

TRACT 18

TRACT 19

TRACT 20

TRACT 21

TRACT 22

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TRACT 39

TRACT 40

TRACT 41

TRACT 42

TRACT 43

TRACT 44

TRACT 45

TRACT 46

TRACT 47

TRACT 48

TRACT 49

TRACT 50

TRACT 51

TRACT 52

TRACT 53

TRACT 54

TRACT 55

TRACT 56

TRACT 57

TRACT 58

TRACT 59

TRACT 60

PLAT OF
TRACTS G-1 & H-1
A REPLAT OF
TRACTS G & H
CANYON ACRES
ALBUQUERQUE, NEW MEXICO
AUGUST, 1985

85 98493

State of New Mexico) SS
County of Bernalillo)
The following was filed for record
on 11/22/85
at 1:17 PM
by Notary Public
Charles H. Colapinto

DEDICATION & FREE CONSENT
The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate all public utility easements and grant all private easements including the rights of ingress and egress and the right to title interfering thereon.

ACKNOWLEDGEMENT
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)
The foregoing instrument was acknowledged before me this 27th day of August, 1985.

Notary Public
Charles H. Colapinto

SP-85-473

APPROVALS
Planning Director, City of Albuquerque, N.M. 11-21-85
Date
Mayor, City of Albuquerque, N.M. 9-3-85
Date
City Engineer, City of Albuquerque, N.M. 10-20-85
Date
City Engineer, City of Albuquerque, N.M. 10-20-85
Date
Traffic Engineer, City of Albuquerque, N.M. 9-3-85
Date
Public and Recreation, City of Albuquerque, N.M. 9-3-85
Date
Chief City Surveyor, City of Albuquerque, N.M. 08/21/85
Date
Property Manager, City of Albuquerque, N.M. 8-22-85
Date
CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision, shows all easements noted in a title report prepared by Executive in Title Co. on February 28, 1985, meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance and is true and correct to the best of my knowledge and belief.

Thomas T. Mann, Jr.
Date 8/24/85

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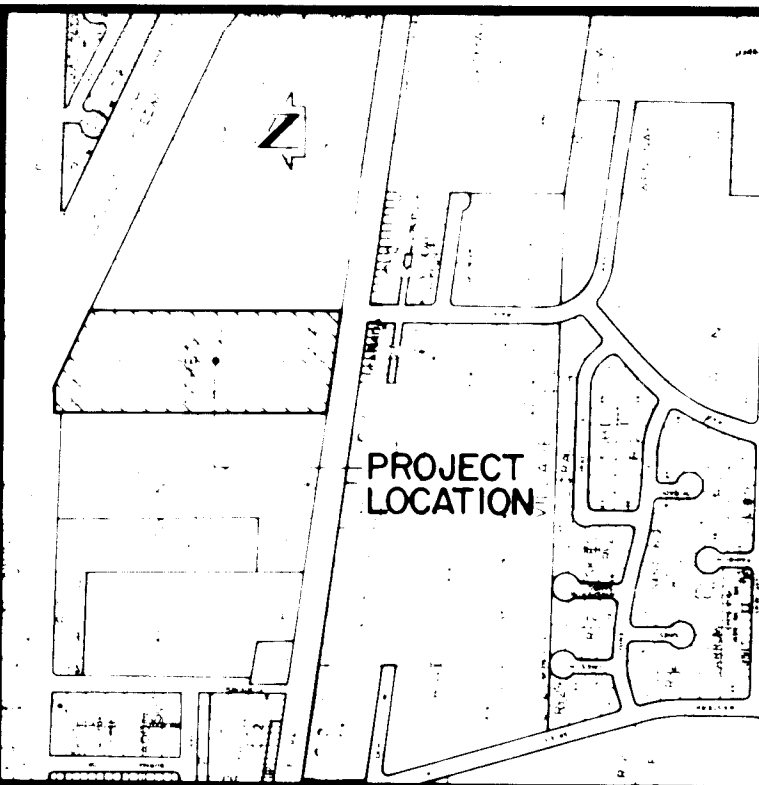
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VICINITY MAP
SCALE 1" = 800'

- LEGEND**
- 5505 — EXISTING CONTOUR
 - +— EXISTING SPOT ELEVATION
 - - - - EXISTING FENCE
 - WV WATER VALVE
 - +— PROPOSED SPOT ELEVATION
 - 55 — PROPOSED CONTOUR
 - +— PROPOSED ASPHALT PAVEMENT
 - +— EXISTING CONCRETE
 - +— PROPOSED CONCRETE
 - +— PROPOSED WALL
 - +— BASIN BOUNDARY

TEMPORARY BENCHMARK
TOP OF CURB @ THE PROJECTION OF THE SOUTHEAST PROPERTY CORNER, AS SHOWN.
ELEVATION = 5500.14 FEET (M.S.L.D.)

PROJECT BENCHMARK
A STANDARD ACS DRAINAGE TABLE CEMENTED IN A DRILL HOLE ON TOP OF CONCRETE CURB & STAMPED 12-L22 1975. THE STATION IS LOCATED @ THE INTERSECTION OF CENTRAL AVE. & TRAMWAY RD. 10.6 FT. WEST OF CENTERLINE ON TRAMWAY RD. & 55 FT. NORTH OF CENTERLINE ON CENTRAL AVE.
ELEVATION = 5559.95 FEET (M.S.L.D.)

LEGAL DESCRIPTION
TRACTS G & H, CANYON ACRES SUBDIVISION

DRAINAGE PLAN

The following items concerning the East Central Mobile Home Park Drainage Plan are contained herein:

1. Vicinity Map
2. Grading Plan
3. Calculations

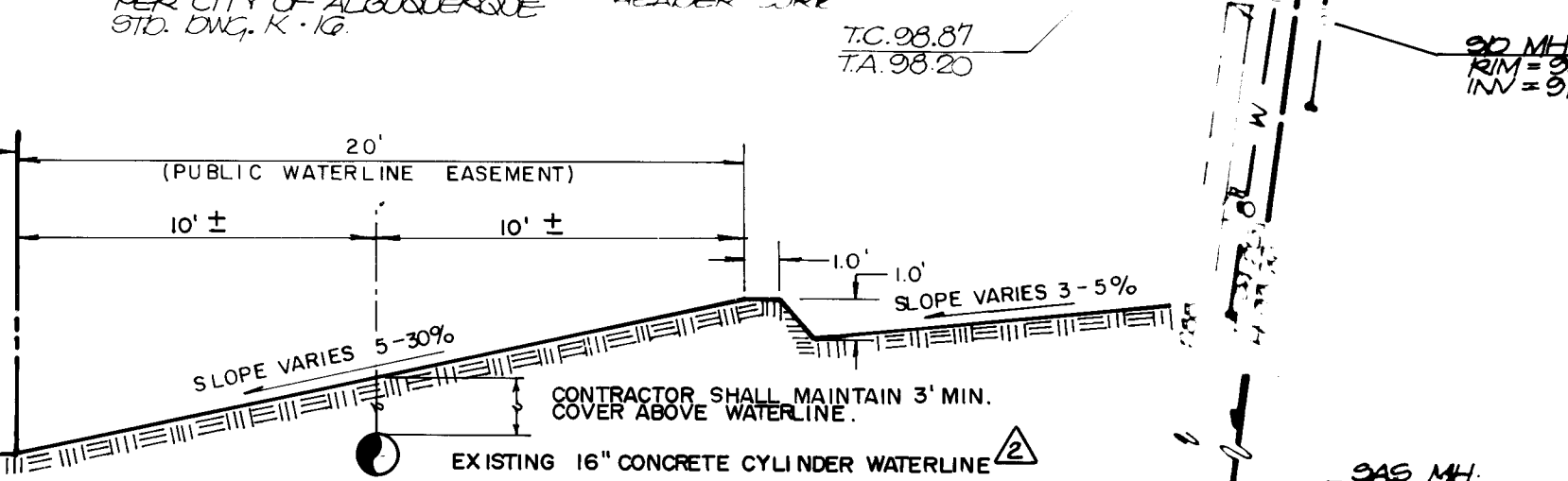
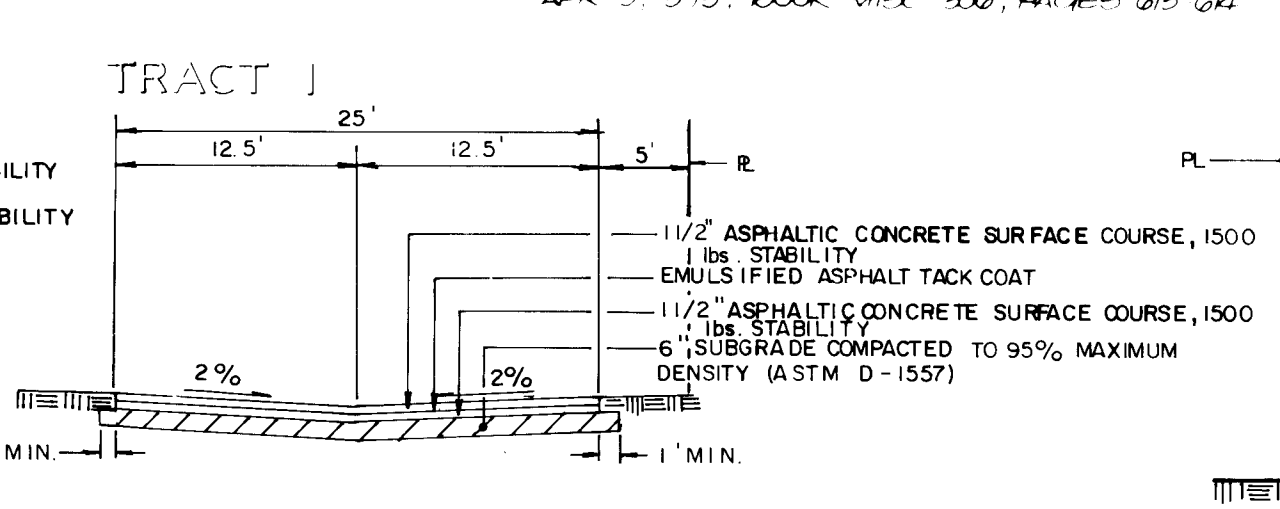
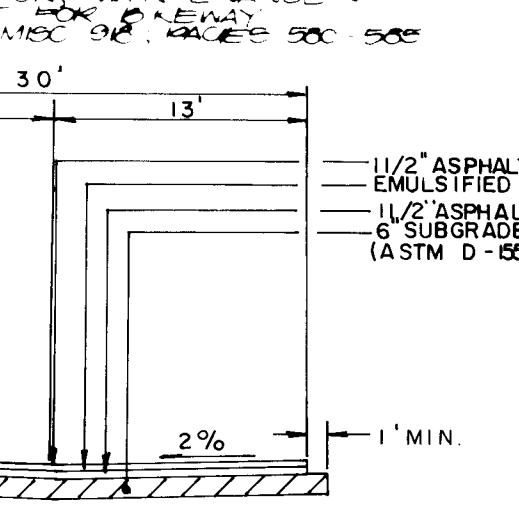
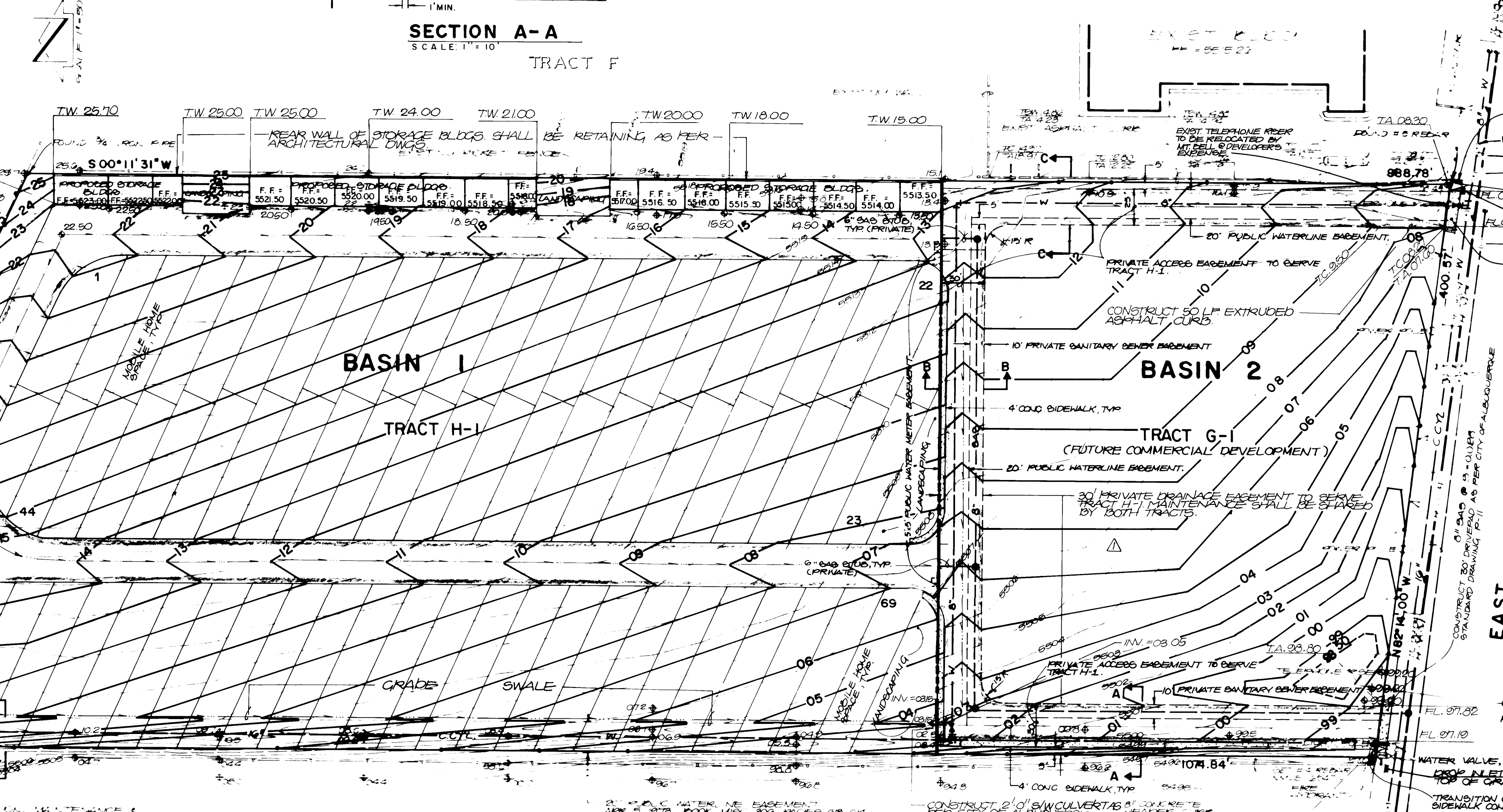
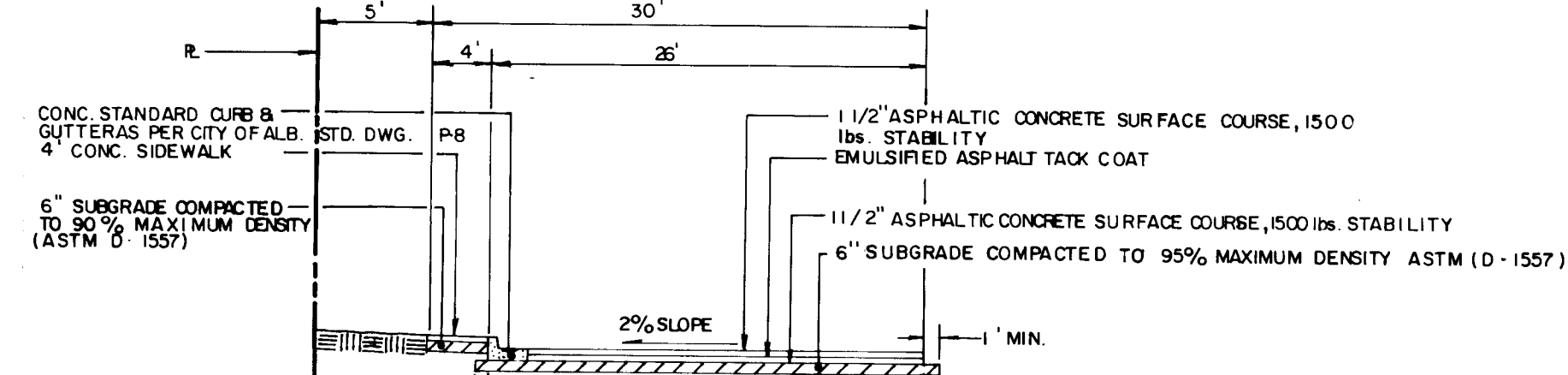
The proposed improvements, as shown by the Vicinity Map, are located on the north side of East Central Avenue N.E. between Juan Tabo Boulevard N.E. and Dorado Place S.E. At present, the site is undeveloped. Much of the surrounding area is currently developed making this an infill site.

As shown by Plate L-22 of the Albuquerque Master Drainage Study, the site does not lie within a designated Flood Hazard Zone. Plate L-22 does identify some areas of flooding downstream from the site. It has been revealed in previous conversations with Mr. Fred Aguirre, City Hydrology Section, and by the previously reference drainage plan (L22-D26) concerning this area, that much of the flooding has been relieved by the Fairgrounds Relief System improvements located further west along Central Avenue. Furthermore, the flooding identified at the intersection of Central Avenue and Juan Tabo Boulevard is not caused by flows generated along Central Avenue, but by flows generated from the high density mobile home development along Juan Tabo Boulevard south of Central. Once these flows from the south enter East Central Avenue, they are accepted & conveyed to the west; there is no flooding identified to the west of this point. It is based upon this knowledge and analysis of the increase in runoff from the site that a free discharge of runoff has been permitted in the development of this site. At present, the majority of the runoff generated from this site flows from east to west onto Tract I. A small portion of the runoff generated by the southern portion of the site drains onto East Central Avenue.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'-0" intervals, 2) continuity between existing and proposed grades, and 3) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of the construction of a new mobile home park along with adjacent paving and landscaping. Flows generated onsite will be routed from north to south onto East Central Avenue. From that point, the runoff will flow west along the north edge of East Central Avenue to existing catch basins which remove some of the runoff from the street. In addition, flows not collected by the existing catch basins along this section of East Central Avenue will ultimately be accepted into the Fairgrounds Relief System. Some offsite sheetflow may enter the site along the east boundary. This offsite flow, which has been quantified in the calculations, will be accepted and conveyed to East Central Avenue as previously discussed.

The Calculations which appear below analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. This Rational Method has been used for this analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by these calculations, the proposed improvements will result in a net increase of 11.1 cfs to the peak runoff which will have a negligible impact upon the water surface elevation in Central Avenue N.E.; Central Avenue N.E. has a slope of approximately 3% and a width of 86 feet face-to-face.

- CONSTRUCTION NOTES**
1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 95-1234, FOR LOCATION OF EXISTING UTILITIES.
 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
 4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PRECEDENCES.
 5. ALL FILL AREAS SHALL BE COMPACTED TO 90% MAXIMUM DENSITY (ASTM D-1557).
 6. TURNAROUND DRIVEWAY MAY BE USED IN LIEU OF STANDARD CURB & GUTTER WITHIN THE PRIVATE ACCESS EASEMENT.



CALCULATIONS

Ground Cover Information

From GCS Bernalillo County Soil Survey, Plate 32: T9B, Tijeras, Gravelly Fine Sandy Loam Hydrologic Soil Group B

Rational Method

Discharge: $Q = CIA$
where C varies
 $1 = P_2 (6.84) T_c^{-0.51} = 5.76 \text{ in./hr}$
 $P_2 = 2.49 \text{ in. (DPM Plate 22.2 D-1)}$
 $T_c = 10 \text{ min. (minimum)}$
 $A = \text{area, acres}$

Volume: $V = CP_2 A (1/12)$
where C varies
 $P_2 = 2.49 \text{ in. (DPM Plate 22.2 D-1)}$
 $A = \text{area, acres}$

Existing Condition

$A_{\text{total}} = 416,647 \text{ sf} = 9.56 \text{ Ac}$
 $A_{\text{imp}} = 0 \text{ sf}; \% \text{ impervious} = 0\%$
 $C = 0.34 \text{ (DPM Plate 22.2 C-1)}$
 $Q_{100} = CIA = 0.34(5.76)(9.56) = 17.1 \text{ cfs}$
 $V_{100} = CP_2 A = 0.34(1.49/12)(416,647) = 29,394 \text{ cf}$

Developed Condition

Basin 1

$A_{\text{total}} = 285,967 \text{ sf} = 6.56 \text{ Ac}$
 $A_{\text{imp}} = 180,520 \text{ sf}; \% \text{ impervious} = 63\%$
 $C = 0.65 \text{ (DPM Plate 22.2 C-1)}$
 $Q_{100} = CIA = 0.65(5.76)(6.56) = 22.4 \text{ cfs}$
 $V_{100} = CP_2 A = 0.65(2.49/12)(285,967) = 38,570 \text{ cf}$

Basin 2

$A_{\text{total}} = 130,680 \text{ sf} = 3.0 \text{ Ac}$
 $A_{\text{imp}} = 30,855 \text{ sf}; \% \text{ impervious} = 24\%$
 $C = 0.45 \text{ (DPM Plate 22.2 C-1)}$
 $Q_{100} = CIA = 0.45(5.76)(3.0) = 7.1 \text{ cfs}$
 $V_{100} = CP_2 A = 0.45(2.49/12)(130,680) = 12,300 \text{ cf}$

Basin 1 and Basin 2

$A_{\text{total}} = 416,647 \text{ sf} = 9.56 \text{ Ac}$
 $A_{\text{imp}} = 201,040 \text{ sf}; \% \text{ impervious} = 48\%$
 $C = 0.56 \text{ (DPM Plate 22.2 C-1)}$
 $Q_{100} = CIA = 0.56(5.76)(9.56) = 28.2 \text{ cfs}$
 $V_{100} = CP_2 A = 0.56(2.49/12)(416,647) = 48,414 \text{ cf}$

Offsite Flows

$A_{\text{total}} = 135,525 \text{ sf} = 3.11 \text{ Ac}$
 $A_{\text{imp}} = 67,762 \text{ sf}; \% \text{ impervious} = 50\%$
 $C = 0.58 \text{ (DPM Plate 22.2 C-1)}$
 $Q_{100} = CIA = 0.58(5.76)(9.56) = 9.5 \text{ cfs}$
 $V_{100} = CP_2 A = 0.58(2.49/12)(416,647) = 16,310 \text{ cf}$

Comparison

$Q_{100} = 28.2 - 17.1 = 11.1 \text{ cfs}$
 $V_{100} = 48,414 - 29,394 = 19,020 \text{ cf}$

L·22

NOTES :

1. THE WATER UTILITIES DEPARTMENT MUST INSPECT ALL CONNECTIONS TO THE 16 INCH CONCRETE CYLINDER LINES. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS 48 HOURS IN ADVANCE BY CALLING 823 - 4052.
2. THE CONTRACTOR SHALL, ON BEHALF OF THE DEVELOPER, ESTABLISH AN ACCOUNT WITH CUSTOMER SERVICES (766-4704) FOR THE CONSTRUCTION OF THE PRIVATE FIRE LINES.

TEMPORARY BENCHMARK

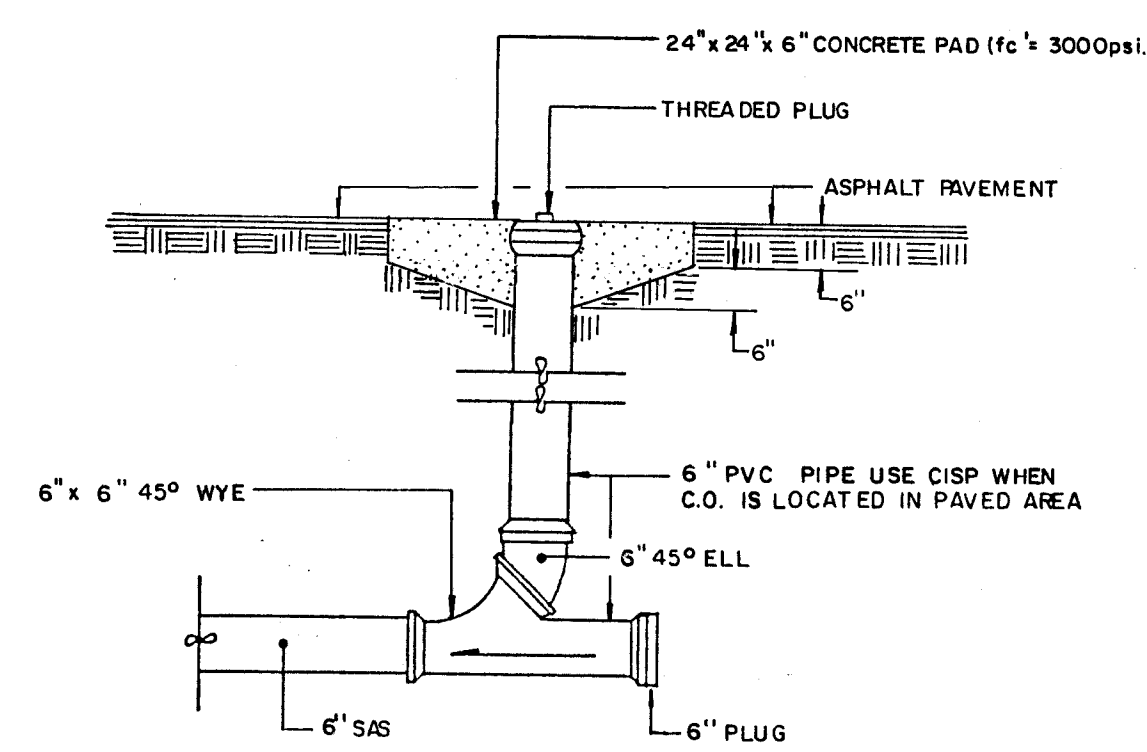
TOP OF CURB @ THE PROJECTION OF THE SOUTHEAST
PROPERTY CORNER, AS SHOWN.
ELEVATION = 5508.14 FEET (M.S.L.D.)

90. EST BENCHMARK

2. ST. JEROME LGS BRASS TABLET CEMENTED IN A
OR - - - - - GLE IN TOP OF CONCRETE CURB & STAMPED
12-22-95 LGS. THE STATION IS LOCATED @ THE
INTERSECTION OF CENTRAL AVE & TRAMWAY RD.
15.5' WEST OF CENTERLINE ON TRAMWAY RD. &
55.5' NORTH OF CENTERLINE ON CENTRAL AVE
55.5' - - - - - IS 5259.90 FEET (MSLD).

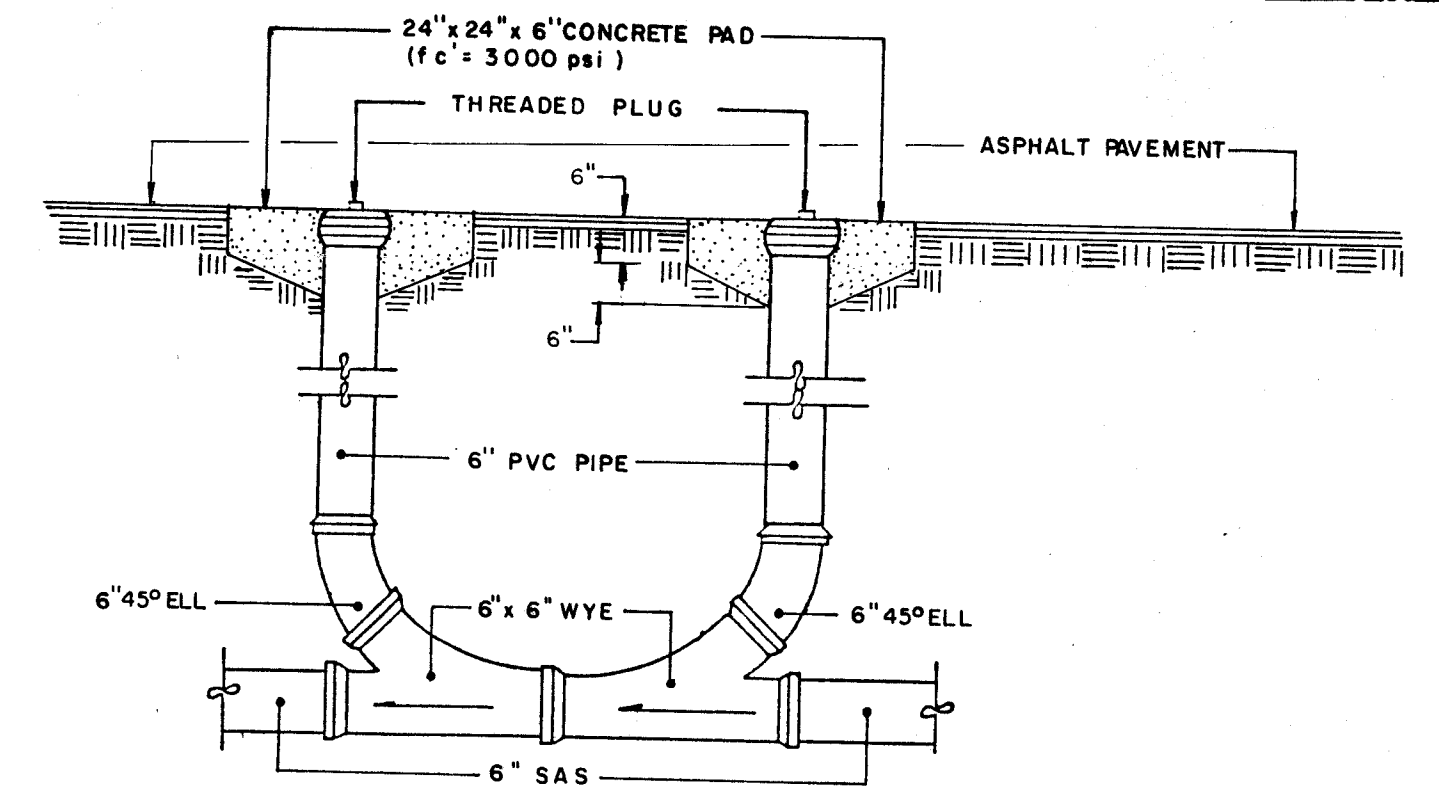
LEGAL DESCRIPTION

TRACTS 9 & 10, CANYON ACRES SUBDIVISION



TYPICAL SINGLE CLEANOUT SECTION
NO SCALE:

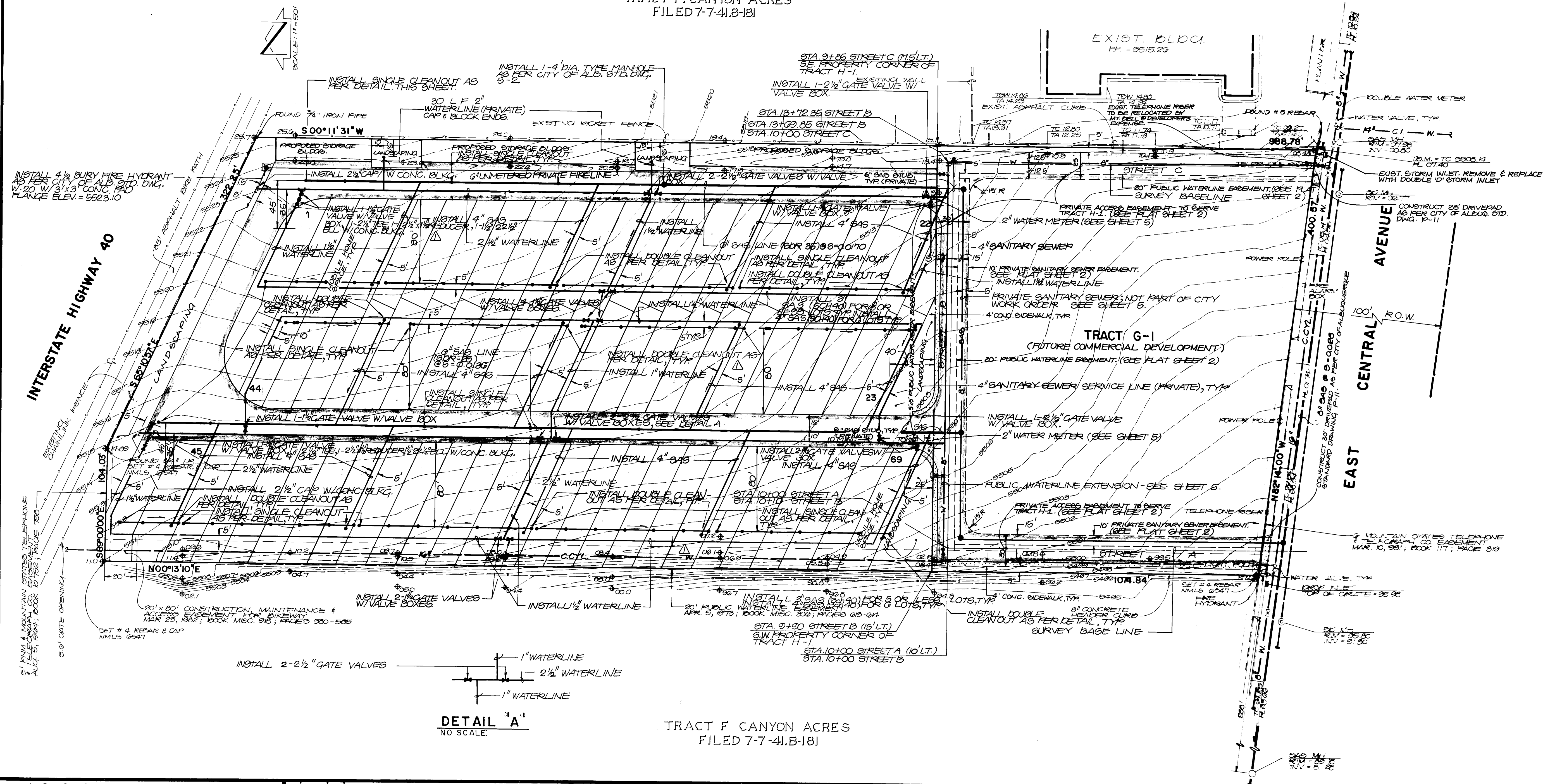
NOT PART OF CITY WORK ORDER, TO BE
CONSTRUCTED BY SEPARATE PERMIT.



TYPICAL DOUBLE CLEANOUT SECTION
NO SCALE

NOT PART OF CITY WORK ORDER, TO BE
CONSTRUCTED BY SEPARATE PERMIT.

TRACT F. CANYON ACRES
FILED 7-7-41, 8-18]



DETAIL "A"
NO SCALE

TRACT F CANYON ACRES
FILED 7-7-41B-181

NO.	DATE	BY	REVISIONS
1	2/8/80	LPM	REVISE WATER & SANITARY SEWER SERVICES FOR TRACT H-1.

DESIGNED BY J.A.M.
DRAWN BY: L.D.D.
APPROVED J.A.M.

JOB NO
50591

DATE
7-85

**WATERLINE & SANITARY SEWER SITE PLAN
EAST CENTRAL MOBILE HOME PARK**

2	6	2	6	4	4	0	4	8	6	
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FILE NO.

SHEET 4 OF 5



