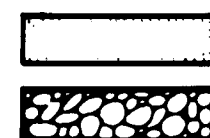


LEGEND

MATERIALS

CONCRETE

RIP-RAP



LINES

SUBDIVISION BOUNDARY

PROPERTY LINE (PLAN)

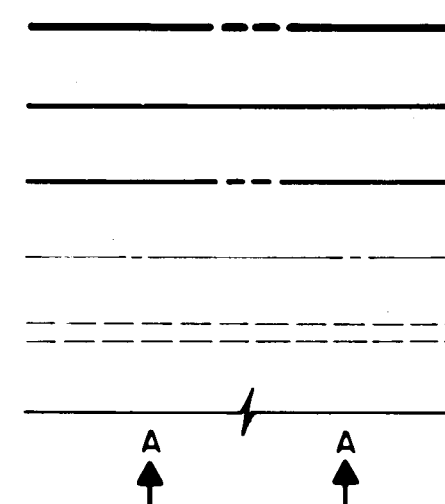
PROPERTY LINE (SECTION)

CENTERLINE

EASEMENT LINE

MATCH LINE

SECTION CUT LINE



EARTHWORK

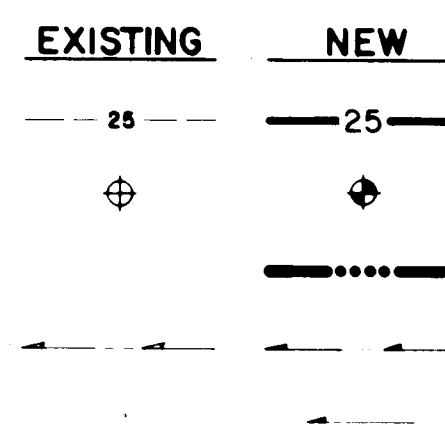
CONTOUR LINE

SPOT ELEVATION

PROJECT / PHASE BOUNDARY

SWALE

DIRECTION OF FLOW



MISCELLANEOUS UTILITIES

GAS LINE

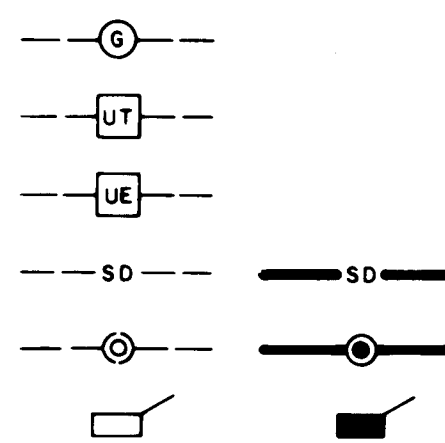
UNDERGROUND TELEPHONE

UNDERGROUND ELECTRICAL

STORM DRAIN

STORM DRAIN MANHOLE

STORM DRAIN INLET



SANITARY SEWER

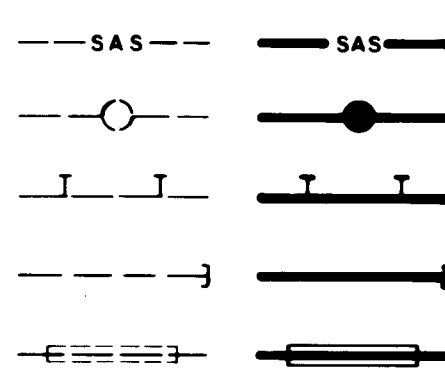
SANITARY SEWER LINE

SANITARY SEWER MANHOLE

SAS SERVICE CONNECTIONS

SAS CAP OR PLUG

ENCASEMENT



WATER

WATER LINE

WATER SERVICE CONNECTIONS

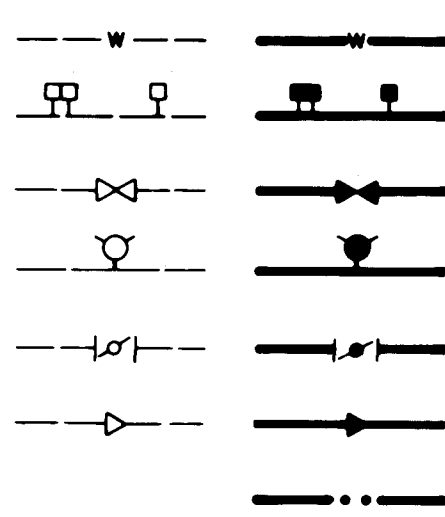
GATE VALVE

FIRE HYDRANT

BUTTERFLY VALVE

REDUCER

WATER PRESSURE ZONE BOUNDARY



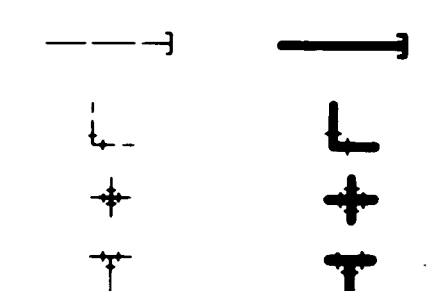
WATER FITTINGS

CAPS AND PLUGS

ELBOW

CROSS

TEE



MISCELLANEOUS

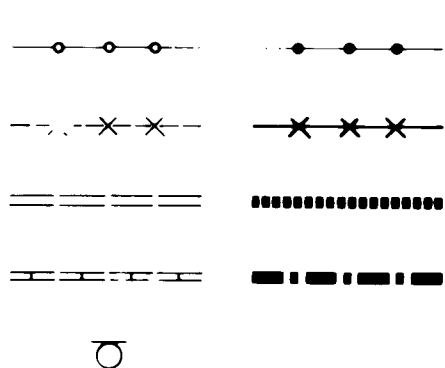
CHAINLINK FENCE

FIELD FENCE

COMMON YARD WALL

RETAINING WALL

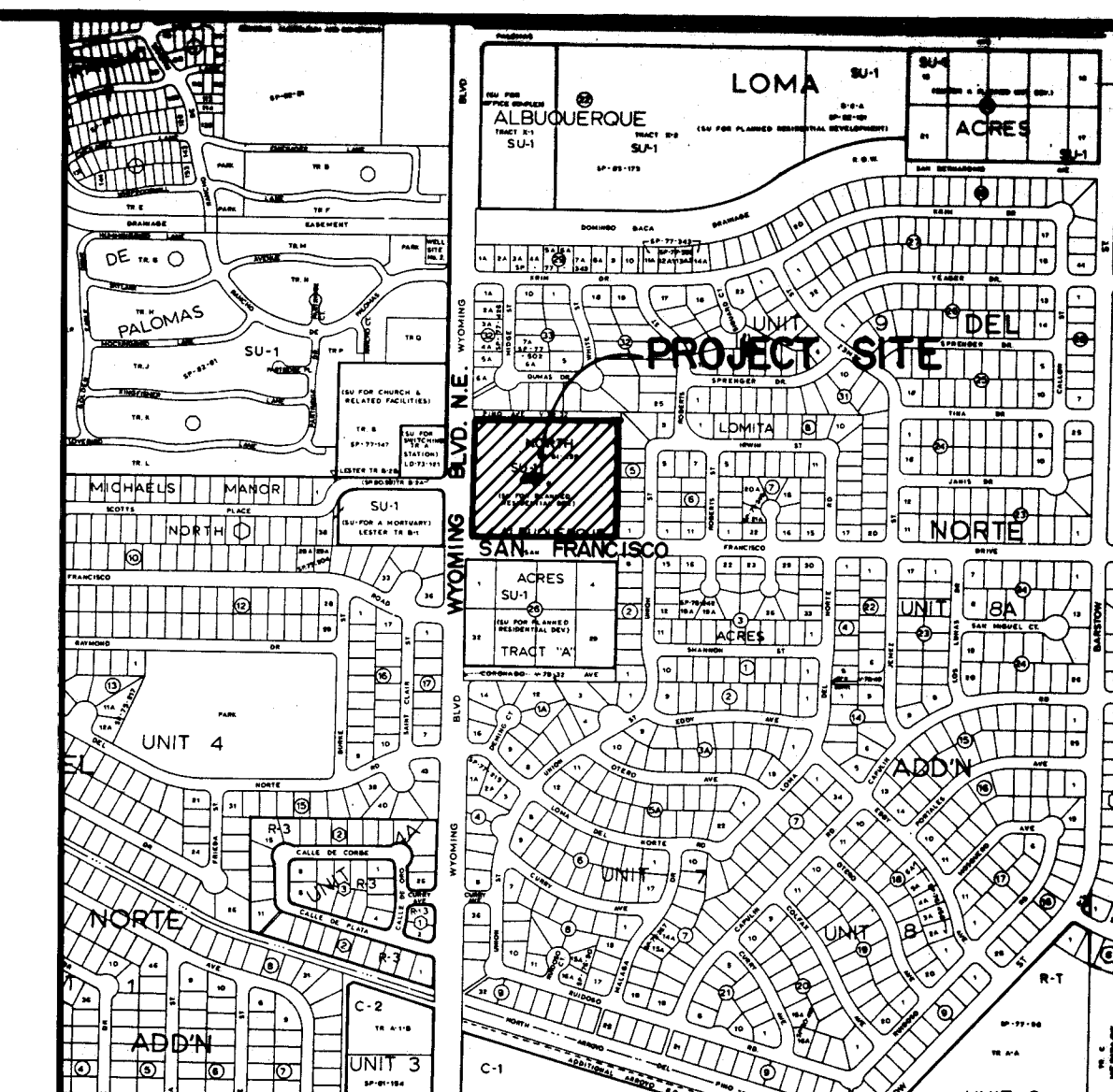
POWER OR TELEPHONE POLE



CONSTRUCTION PLANS FOR THE DEVELOPMENT OF KEYSTONE PARK NORTH PAVING, SANITARY SEWER AND WATER LINE EXTENSION ALBUQUERQUE, NEW MEXICO MARCH, 1986

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER
2	PLAT
3	GRADING PLAN
4	UTILITY SITE PLAN & DETAILS
5	PAVING IMPROVEMENTS PLAN & PROFILE STATION 10+00 - STATION 18+10
6	PAVING IMPROVEMENTS PLAN & PROFILE STATION 18+10 - STATION 24+22.37
7	SANITARY SEWER & WATER LINE IMPROVEMENTS PLAN & PROFILE STATION 10+00 - STATION 18+10
8	SANITARY SEWER & WATER LINE IMPROVEMENTS PLAN & PROFILE STATION 18+10 - STATION 24+22.37



VICINITY MAP

SCALE: 1" = 800'

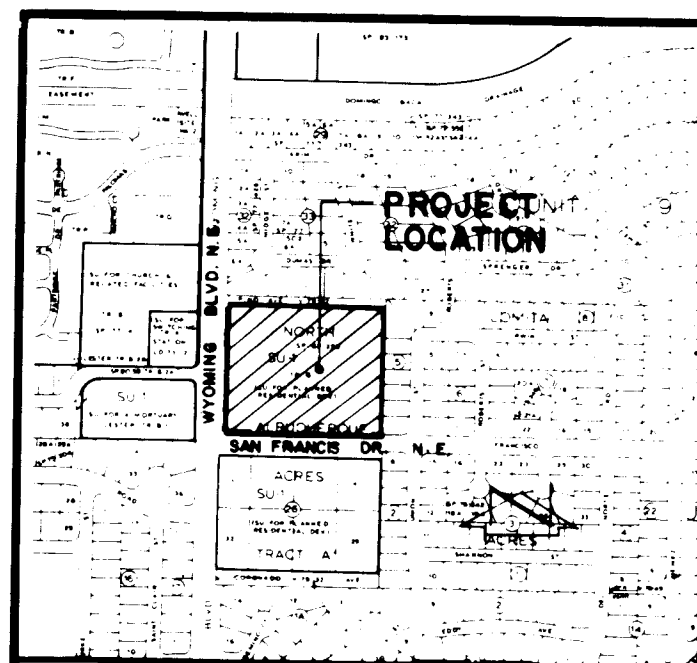
GENERAL NOTES:

- 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 PRIOR TO CONSTRUCTION.
- 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 DEPRESSIONED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

C of A PWD Maps & Records
26 20390191

FOR INFORMATION ONLY
NOT AS-BUILT
PROJECT CANCELLED

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							
2839				SHEET 1 OF 8			



VICINITY MAP D-19
SCALE 1" = 800'

NOTES

1. Property corners have been set as indicated with coos L.S. No. 9454
2. A 26 mi full-width street mileage was created
3. All distances are ground distances
4. Site located within Section 19, T11N, R4E, N.M.P.M.
5. Bearing base is plat of "Tract G, Block 25, Tract A, Unit A, North Albuquerque Acres" filed November 9, 1981, Book C-19, Page 19
6. Centerline (IN LIE) OF R/W. Monumentation to be installed at all centerline P.C.'s, P.T.'s, angle points and street intersections prior to acceptance of subdivision street improvements and will consist of a four (4") aluminum alloy cap stamped "City of Albuquerque", "Centerline Monumentation", "Survey Marker", Do Not Disturb", "L.S. #"

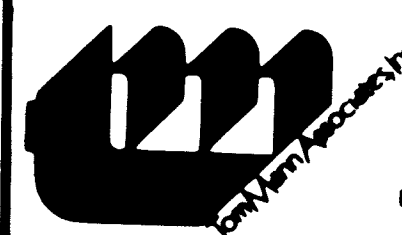
PRELIMINARY PLAT OF
KEYSTONE PARK NORTH
A REPLAT OF
TRACT G, BLOCK 25, TRACT A, UNIT A,
NORTH ALBUQUERQUE ACRES
ALBUQUERQUE, NEW MEXICO
JANUARY, 1986

DESCRIPTION

A certain tract of land located within the Corporate limits of the City of Albuquerque, New Mexico comprising Tract G, Block 25, Tract A, Unit A, North Albuquerque Acres as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on November 9, 1981, Book C-19, Page 19, and being more particularly described as follows:

Beginning at the northwest corner of the parcel herein described being a point on the east right-of-way line of Wyoming Boulevard N.E., and also being the northwest corner of said Tract G; thence S 89°38'17" E a distance of 604.01 feet; thence S 0°13'33" W a distance of 498.00 feet to a point on the north right-of-way line of San Francisco Drive N.E.; thence N 89°38'17" W a distance of 578.48 feet along said right-of-way line; thence along the arc of a curve to the right with DELTA = 89°47'51" R = 25.00 feet and L = 39.18 feet to a point on the east right-of-way line of Wyoming Boulevard N.E.; thence N 0°09'14" E a distance of 473.09 feet along said right-of-way line to the point of beginning and containing 6.8987 acres more or less.

LOT #	ACREAGE	LOT #	ACREAGE
1	0.08631	36	0.07201
2	0.06791	37	0.07201
3	0.06791	38	0.08021
4	0.06791	39	0.13811
5	0.06791	40	0.06891
6	0.06781	41	0.06531
7	0.06731	42	0.06541
8	0.06681	43	0.06521
9	0.06661	44	0.06521
10	0.06661	45	0.06521
11	0.06671	46	0.06521
12	0.06671	47	0.06521
13	0.07061	48	0.06521
14	0.12851	49	0.06521
15	0.07791	50	0.06521
16	0.06981	51	0.06521
17	0.06971	52	0.06521
18	0.06971	53	0.07361
19	0.06971	54	0.06961
20	0.06971	55	0.08241
21	0.06971	56	0.08621
22	0.06971	57	0.12721
23	0.06971	58	0.09791
24	0.06971	59	0.07581
25	0.06971	60	0.07111
26	0.08791	61	0.07121
27	0.07991	62	0.07121
28	0.07201	63	0.07131
29	0.07201	64	0.07131
30	0.07201	65	0.07141
31	0.07201	66	0.07141
32	0.07201	67	0.07151
33	0.07201	68	0.07151
34	0.07201	69	0.08761
35	0.07201		



81 DALLAS N.E. - ALBUQUERQUE - NEW MEXICO - 8110
ENGINEERS
JOB NO. 50791

INDICATOR and FREE CONSENT
The undersigned owners of the land shown herein do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby dedicate the public rights-of-way, drainage way and grant utility easements including the rights of ingress and egress and the right to trim interfering trees.

Thomas E. Fielder
Date 2-29-86

ACKNOWLEDGEMENT
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

5-6-89

The foregoing instrument was acknowledged before me this 27th day of February, 1986
Charles J. Galt
Notary Public

APPROVALS

Planning Director, City of Albuquerque, N.M. Date

Water Utilities, City of Albuquerque, N.M. Date

City Engineer, City of Albuquerque, N.M. Date

A.M.A.P.C.A. Date

Traffic Engineer, City of Albuquerque, N.M. Date

Par and Section, City of Albuquerque, N.M. Date

Chief City Surveyor, City of Albuquerque, N.M. Date

Property Manager, City of Albuquerque, N.M. Date

Public Service Company of New Mexico Date

Gas Company of New Mexico Date

Mountain Hill Date

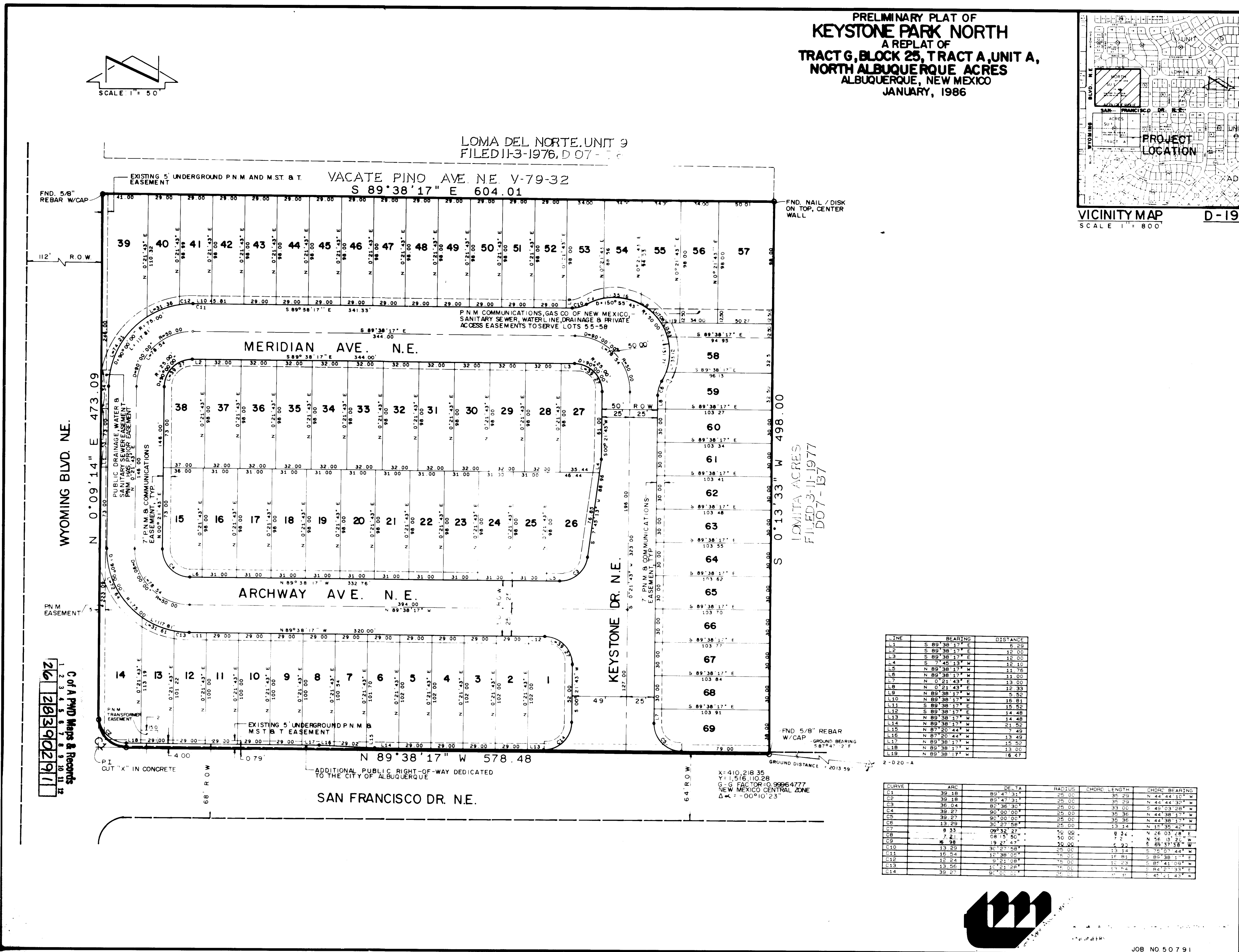
CERTIFICATION
I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision, shows all easements noted in a title report prepared by Executive First Title Company on November 27, 1985 (65291) meets 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. N.M.P.E. # L.S. No. 3792
Date 2-29-86

ACKNOWLEDGEMENT

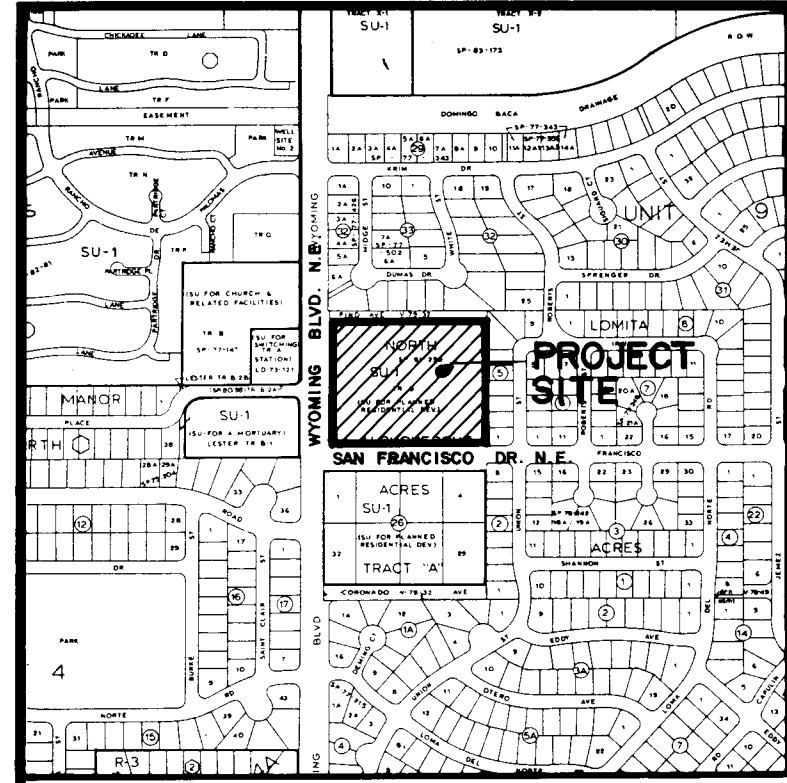
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me on this 27th day of February, 1986
Charles J. Galt
Notary Public



LOT	AREA	AREA	AREA	AREA	AREA
1	0.08631	36	0.07201	61	0.07121
2	0.06791	37	0.07201	62	0.07121
3	0.06791	38	0.08021	63	0.07131
4	0.06791	39	0.13811	64	0.07131
5	0.06791	40	0.06891	65	0.07141
6	0.06781	41	0.06531	66	0.07141
7	0.06731	42	0.06541	67	0.07151
8	0.06681	43	0.06521	68	0.07151
9	0.06661	44	0.06521	69	0.08761
10	0.06661	45	0.06521		
11	0.06671	46	0.06521		
12	0.06671	47	0.06521		
13	0.07061	48	0.06521		
14	0.12851	49	0.06521		
15	0.07791	50	0.06521		
16	0.06981	51	0.06521		
17	0.06971	52	0.06521		
18	0.06971	53	0.07361		
19	0.06971	54	0.06961		
20	0.06971	55	0.08241		
21	0.06971	56	0.08621		
22	0.06971	57	0.12721		
23	0.06971	58	0.09791		
24	0.06971	59	0.07581		
25	0.06971	60	0.07111		
26	0.08791	61	0.07121		
27	0.07991	62	0.07121		
28	0.07201	63	0.07131		
29	0.07201	64	0.07131		
30	0.07201	65	0.07141		
31	0.07201	66	0.07141		
32	0.07201	67	0.07151		
33	0.07201	68	0.07151		
34	0.07201	69	0.08761		
35	0.07201				





VICINITY MAP D-19

PROJECT BENCHMARK
A STANDARD 600 BRASS TABLET
STAMPED "6-D19-1978" SET IN TOP
OF A CONCRETE FOOT FLUSH WITH
THE GROUND LOCATED AT THE NORTHWEST
CORNER OF THE INTERSECTION OF
SAN ANTONIO DRIVE, N.E. &
WYOMING BOULEVARD, N.E.
ELEVATION = 5403.04 FEET (M.S.L.D.)

LEGAL DESCRIPTION
TRACT Q, BLOCK 25, TRACT A, UNIT A

LEGEND

- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- EXISTING CONTOUR
- SWALE
- PROPERTY LINE
- CONCRETE
- PROPOSED ASPHALT
- PROPOSED FENCE
- EXISTING FENCE
- TOP OF CURB
- FLOW LINE

CONSTRUCTION NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (800) 424-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE NEAR-SURFACE, ALL POTENTIAL UTILITIES. PRIOR TO A COMPLETION DATE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE EXISTING UTILITIES CAN BE RELOCATED WITH A MINIMUM AMOUNT OF DELAY.
- 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.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL MEASURES

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR INTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BARRIERS AT THE PROPERTY LINES AND WEEDING THE SOIL TO KEEP IT FROM ERODING.
- THE CONTRACTOR SHALL PROMPTLY CLEAR UP ANY MATERIAL UNWANTED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIALS IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

DRAINAGE PLAN

The following items concerning the Keystone Park North Drainage Plan are contained herein:

- Vicinity Map
- Grading Plan
- Calculations

The proposed improvements, as shown by the Vicinity Map, are located on the north side of San Francisco Drive N.E. and east of Wyoming Boulevard N.E., and include the south half of the vacated Pino Ave. At the present time, the site is undeveloped. The adjoining parcels are developed.

As shown by Panel 10 of the National Flood Insurance Program Flood Boundary and Floodway Maps for the City of Albuquerque, New Mexico, this site does not lie within a designated Flood Hazard Zone. The existing site is higher than Wyoming Boulevard to the west and San Francisco Drive to the south. The land to the east of the project site is higher than the project site, but concrete block walls prevent runoff from entering the project site. The land to the north is approximately parallel to the project site, but again block walls prevent runoff from entering the project site; therefore, offsite flows are negligible. There is an existing storm drain system in Wyoming Boulevard which routes runoff to the Arroyo de Domingo Baca.

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1'-0" intervals, 2) the continuity between existing and proposed elevations, 3) the limit and character of existing improvements, and 4) the limit and character of proposed improvements. As shown by this plan, the proposed improvements consist of the construction of residences, streets, sidewalks and associated improvements. Street grades for San Francisco Drive N.E. were constructed during S&D No. 213. At present the site drains from east to west. The proposed grading will continue the flow in an east-to-west direction. Flows will be collected by the streets and routed to the west and through sidewalk culverts into Wyoming Boulevard. Stormwater runoff will continue north in Wyoming Boulevard to just north of the vacated Pino Avenue N.E. and Stormwater runoff will continue north in Wyoming Boulevard to just north of the vacated Pino Avenue N.E. and Stormwater runoff will continue north in Wyoming Boulevard to just north of the vacated Pino Avenue N.E. and Stormwater runoff will continue north in Wyoming Boulevard to just north of the vacated Pino Avenue N.E.

Individual lots are graded to drain to the street in front of each lot. Cross-lot drainage easements will not be necessary.

The Calculations which appear below analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method, as previously submitted for this project (D-19/D19), 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 an increase in the amount of runoff discharged from the site. The calculations demonstrating the capacity of the existing catch basins appear below. These catch basins will receive and convey the 100-year, 6-hour rainfall event for the total basin. In addition, the pipe capacities will adequately convey the 100-year, 6-hour rainfall event as demonstrated below. Because of the existing storm drain system in Wyoming Boulevard, and the fact that this is an infill site, the free discharge of runoff from this site is appropriate.

EXISTING - KEYSTONE PARK NORTH

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

Rational Method

Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 300,506 sq ft = 6.9 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Developed Condition
Atotal = 300,506 sq ft = 6.9 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 21 - 12 = 9 cfs (increase)
V100 = 39,430 - 20,010 = 19,420 cfs (increase)

EXISTING - TOTAL BASIN

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

Rational Method

Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Developed Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 30 - 19 = 11 cfs (increase)
V100 = 46,010 - 26,590 = 19,420 cfs (increase)

EXISTING - TOTAL BASIN

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

Rational Method

Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Developed Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 30 - 19 = 11 cfs (increase)
V100 = 46,010 - 26,590 = 19,420 cfs (increase)

EXISTING - TOTAL BASIN

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

Rational Method

Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Developed Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 30 - 19 = 11 cfs (increase)
V100 = 46,010 - 26,590 = 19,420 cfs (increase)

EXISTING - TOTAL BASIN

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

Rational Method

Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Developed Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 30 - 19 = 11 cfs (increase)
V100 = 46,010 - 26,590 = 19,420 cfs (increase)

EXISTING - TOTAL BASIN

Ground Cover Information
From S&D Bernalillo County Soil Survey, Plate 11:
R1C Bernalillo - T1Jesse Complex
Hydrologic Soil Group B

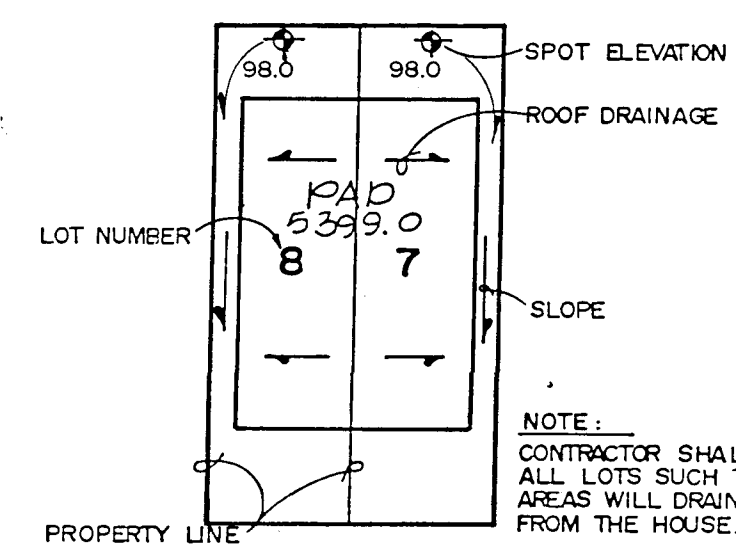
Rational Method
Ditchwater: $Q = CIA$
where C varies
 $I = 1.6, 8.4 \text{ in/hr}$
 $A = 1.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = 10 \text{ min (Residential)}$
 $A = \text{area, acres}$

Volume: $V = Q(AU)/3600$
where C varies
 $U = 2.35 \text{ in (DN Plate 22.2 D-1)}$
 $A = \text{area, ac}$

Existing Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

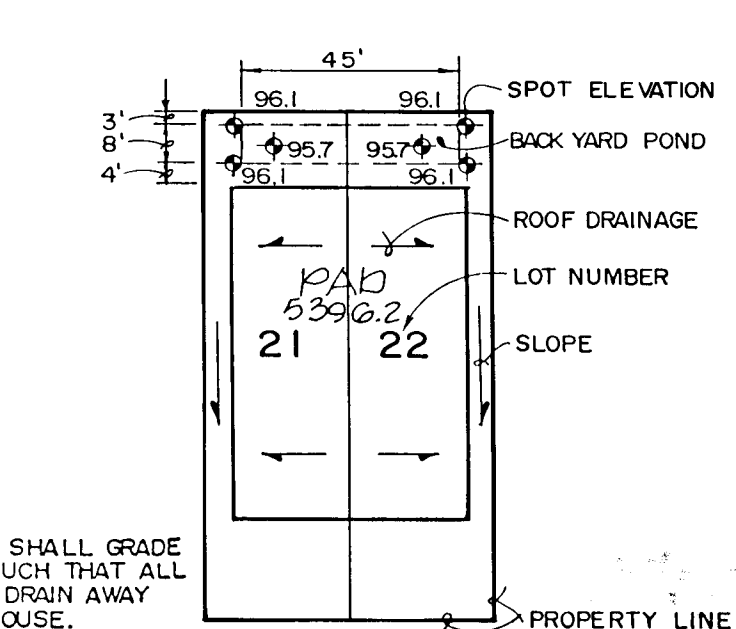
Developed Condition
Atotal = 720,000 sq ft = 16.5 Ac
Q = 0.088 cfs
Q100 = 0.34 cfs (DN Plate 22.2 C-1)
Q100 = CIA = 0.34(1.35)(2120) = 9.72 cfs
V100 = C1A = 0.34(1.35)(2120) = 9.72 cfs

Comparison
Q100 = 30 - 19 = 11 cfs (increase)
V100 = 46,010 - 26,590 = 19,420 cfs (increase)



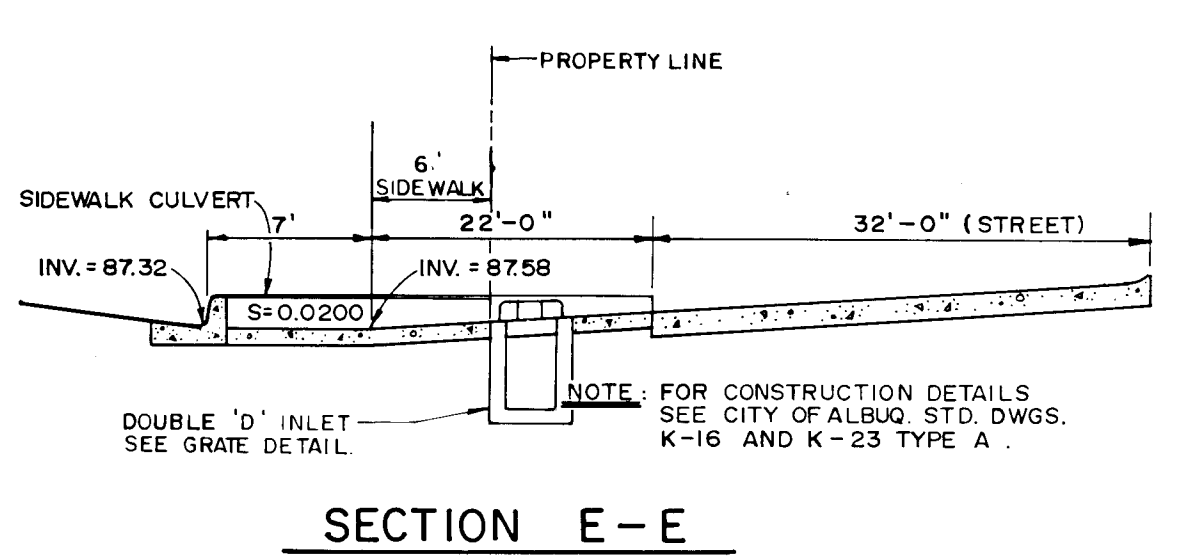
TYPICAL LOT GRADING

NTS



TYPICAL LOT GRADING W/ PONDING AREA

NTS



SECTION E-E

NTS

FOR INFORMATION ONLY

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 28 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



ENGINEERS

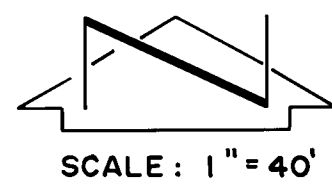
NO.	DATE	BY	REVISIONS

DESIGNED BY K.L.S.
DRAWN BY S.G.H.
APPROVED T.T.M.

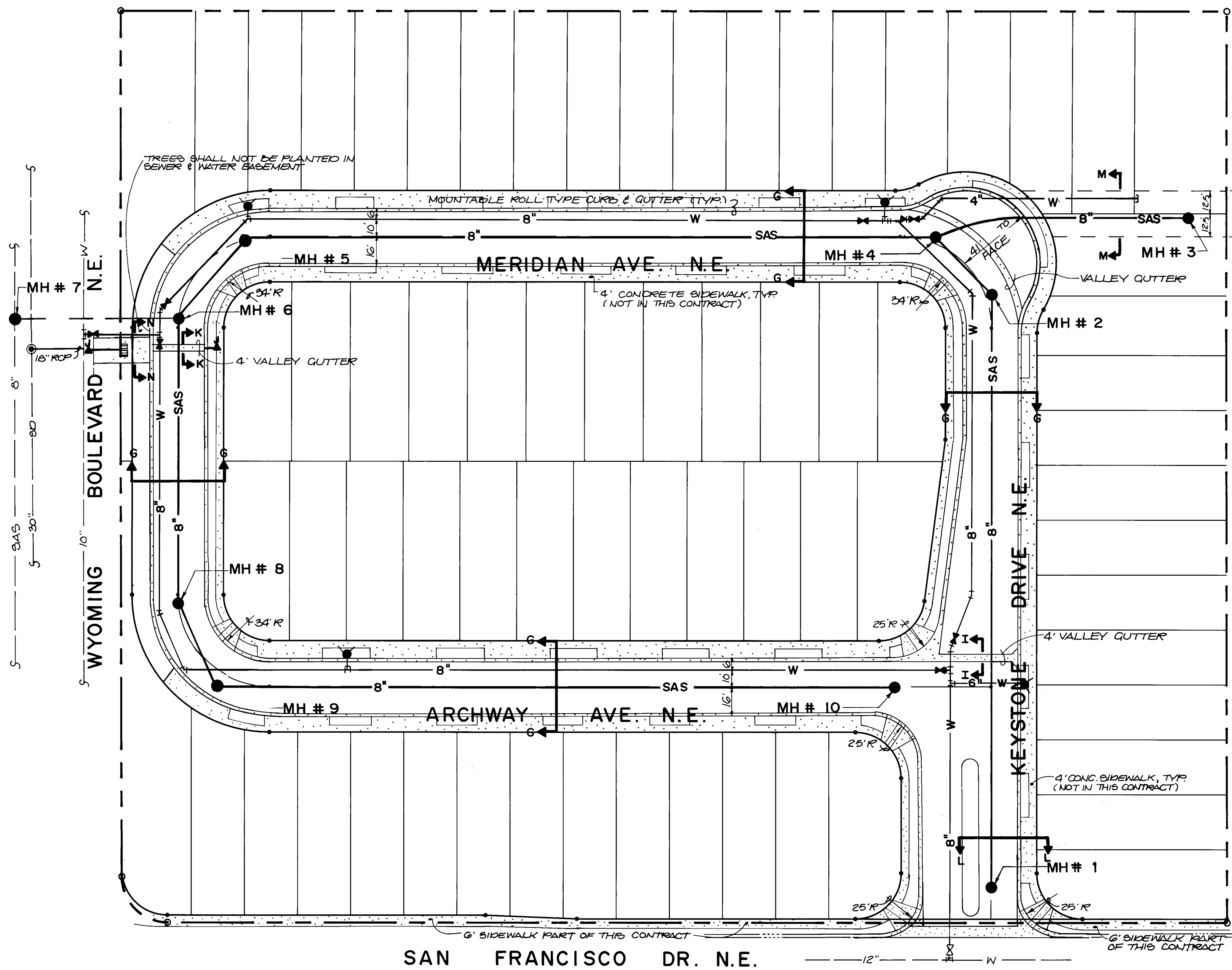
JOB NO. 50791
DATE 1-86

FOR INFORMATION ONLY
GRADING AND DRAINAGE PLAN
KEYSTONE PARK NORTH

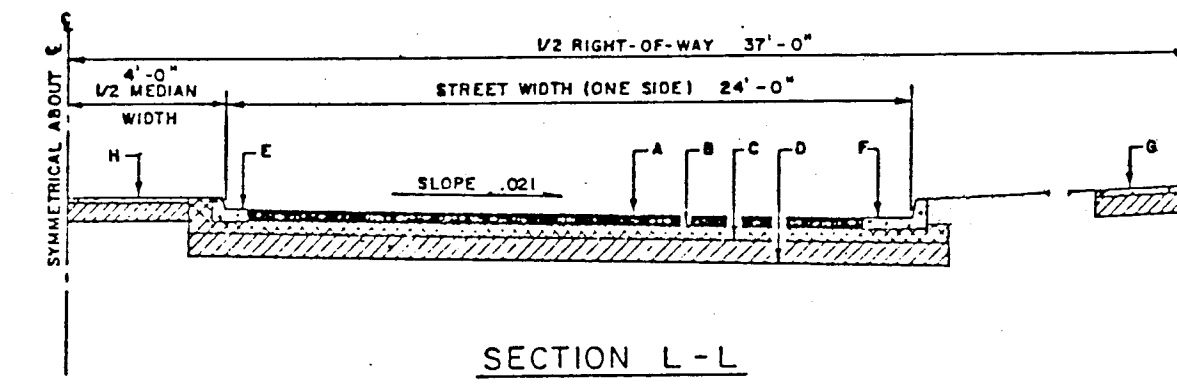
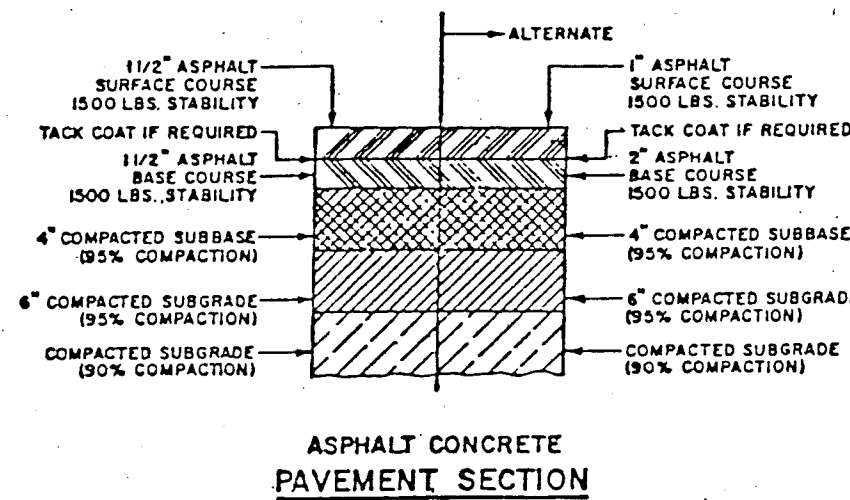
FILE NO.
SHEET 3 OF 8



SCALE: 1" = 40'



SAN FRANCISCO DR. N.E.

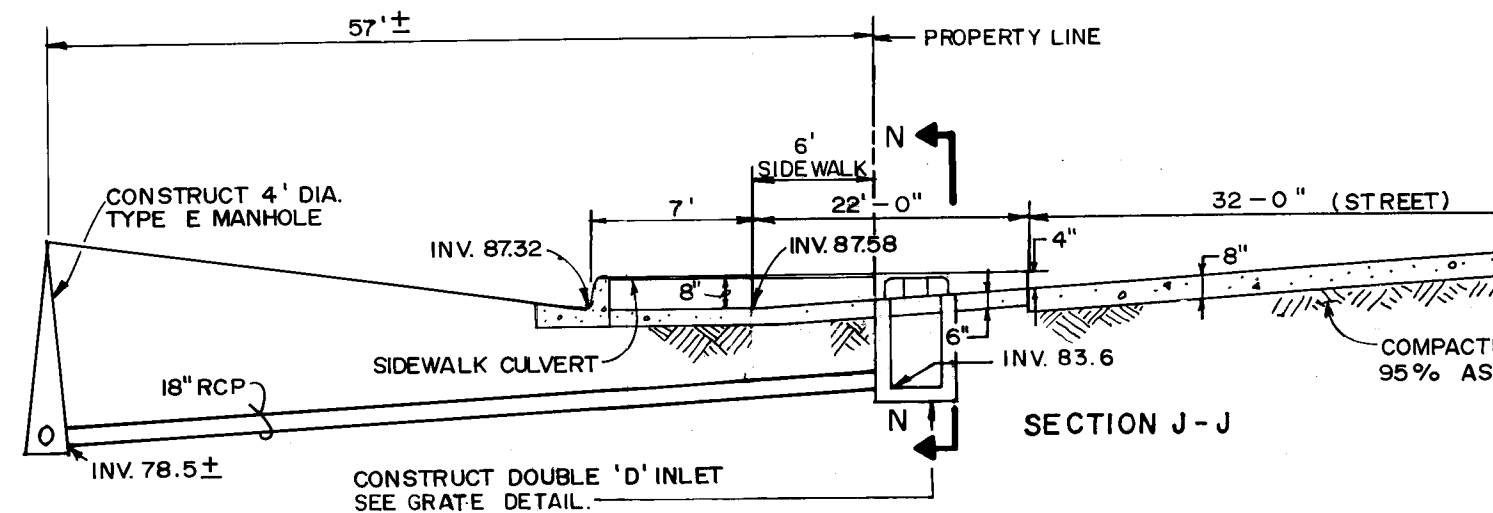


SECTION L-L NOTES

1. ALL SUBGRADE COMPACTION FOR C & G WILL EXTEND 15' MIN. ON EITHER SIDE OF C & G OR CURB SECTION.
2. SUBGRADE PREPARATION UNDER SIDEWALK AND DRIVEPADS SHALL BE INCLUDED WITH THE PARTICULAR ITEM.
3. FINISH GRADE AT PROPERTY LINE SHALL BE 0.67' MIN. ABOVE TOP OF CURB.
4. SLOPE EASEMENT REQUIREMENTS WILL BE SHOWN ON PROJECT CONSTRUCTION PLANS.
5. TRANSVERSE SLOPE FOR PAVEMENT SHALL BE 2% TYPICAL.

CONSTRUCTION NOTES:

- A. ASPHALT CONC. PAVEMENT.
- A.T.B. OR C.T.B.
- C. COMPACTED SUBBASE.
- D. COMPACTED SUBGRADE.
- E. C & G. MOUNTABLE MEDIAN.
- F. C & G. MOUNTABLE ROLL TYPE.
- G. 4' SIDEWALK.
- H. MEDIAN TO BE LANDSCAPED.



SECTION I-I

SECTION K-K

SECTION G-G NOTES

1. CROWN ON STREETS SHALL BE AS FOLLOWS:
32' STREET = 4".

2. ALL SUBGRADE COMPACTION FOR C & G WILL EXTEND 15' MIN. ON EITHER SIDE OF C & G OR CURB SECTION.
3. SUBGRADE PREPARATION UNDER SIDEWALK AND DRIVEPADS SHALL BE INCLUDED WITH THE PARTICULAR ITEM.
4. FINISH GRADE AT PROPERTY LINE SHALL BE 0.67' MIN. ABOVE TOP OF CURB.

CONSTRUCTION NOTES:

- A. SIDEWALK AT STANDARD SETBACK.
- C. MOUNTABLE ROLL C. & G.
- D. A.C. OR P.C.C. PAVEMENT.
- E. 4' COMPACTED SUBBASE.
- F. 6' COMPACTED SUBGRADE.

SECTION M-M NOTES

1. REDUCE CROWN TO FLAT SECTION AT INTERSECTIONS WHERE REQUIRED FOR DRAINAGE.
2. REDUCE NORMAL CROWN TO HALF CROWN AT THROUGH INTERSECTIONS WHERE DRAINAGE ACROSS ROADWAY IS NOT REQUIRED.
3. CARRY NORMAL CROWN THROUGH "T" INTERSECTIONS WHERE DRAINAGE ACROSS ROADWAY IS NOT REQUIRED.

CONSTRUCTION NOTES:

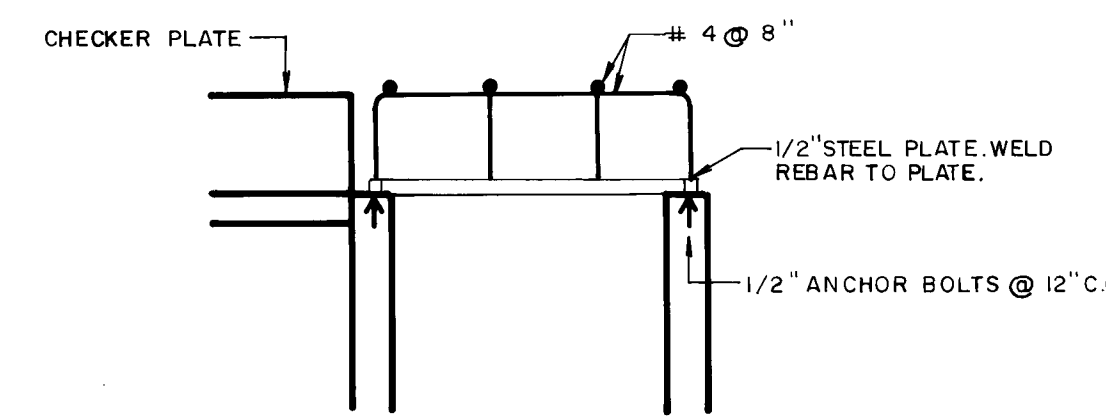
- A. 6' COMPACTED SUBGRADE.
- B. ASPHALT CONCRETE.
- C. COMPACTED SUBBASE.
- D. CROWN 2% SLOPE.

SECTION N-N NOTES

1. UP TO 16'-0" WIDTH USE 4" INVERTED CROWN, 16'-0" WIDTH AND OVER USE 6" INVERTED CROWN.
2. WARNING: THESE WALLS ARE NOT DESIGNED TO SUPPORT THE ADDITION OF GARDEN OR RETAINING TYPE OF WALLS. A SEPARATE DESIGN WILL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL.
3. THE OUTSIDE OF DRAINAGE WALLS SHALL NOT EXTEND BEYOND EASEMENT LINES OR RIGHT-OF-WAY LINES.

CONSTRUCTION NOTES:

- A. 1/2" EXPANSION JOINT, SEE DETAIL BELOW.
- B. NO. 4 REBARS AT 1'-0" O.C.
- C. NO. 4 REBARS AT 1'-0" O.C.
- D. NO. 4 REBARS AT 1'-0" O.C. BOTH WAYS.
- E. 6" COMPACTED SOIL 95% PER ASTM D 1557.
- F. 6" CONC. BLOCK WITH CORES FILLED WITH CONC. AND NO. 4 REBARS INSERTED INTO CORES AT 1'-6" O.C. MAY BE SUBSTITUTED FOR FORMED CONC. WALLS.
- G. URETHANE SEALANT.
- H. POLYETHYLENE FOAM FILLER TO DEPTH OF SLAB.



GRATE DETAIL

NOT TO SCALE



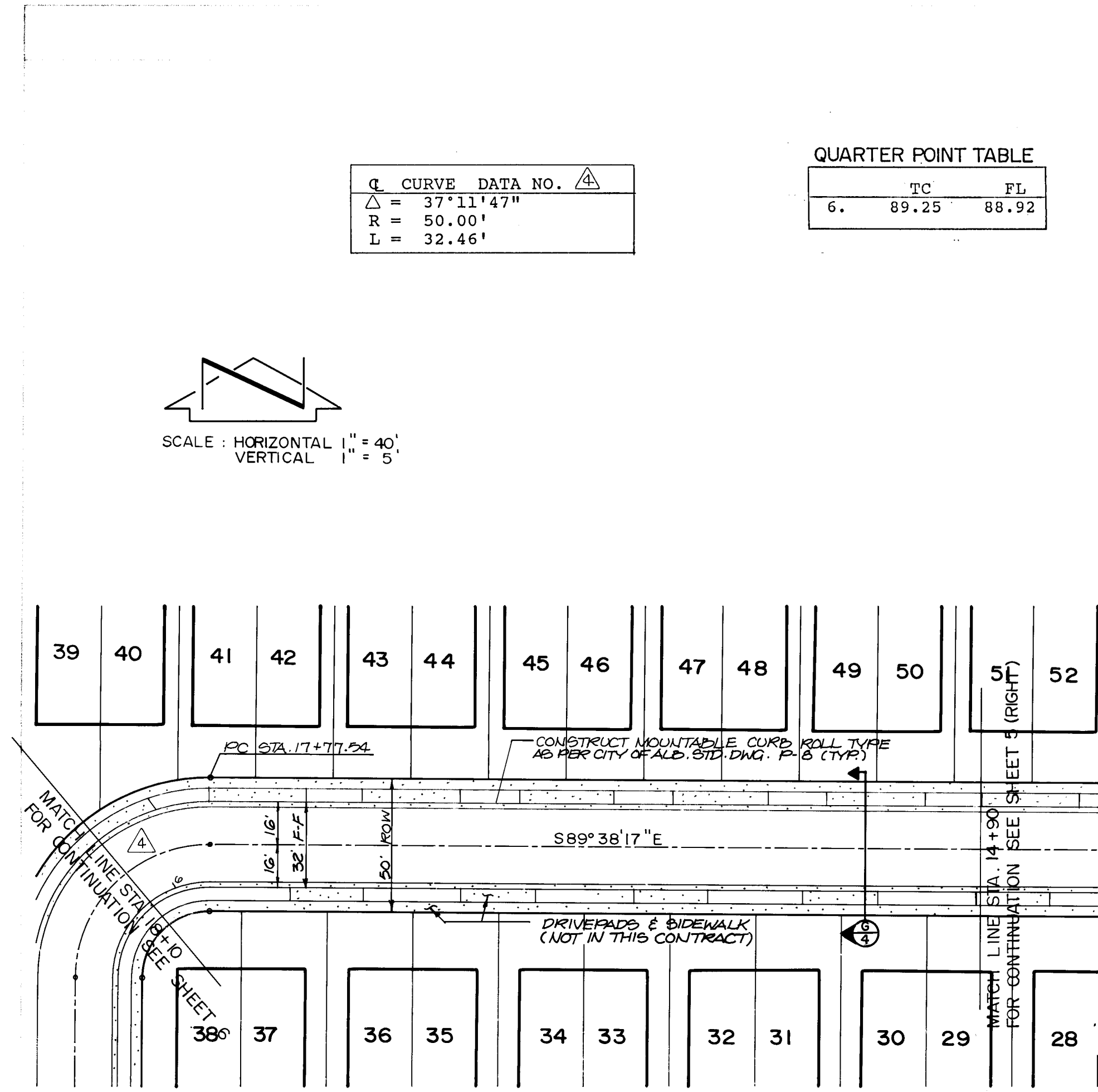
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: KEYSTONE PARK NORTH UTILITY SITE PLAN TYPICAL & COMPOSITE PAVING SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Thom Mann	1/9/01	Liquid Waste	R. B. B.	5/30/01
A.C.E. - Design	Thom Mann	6/18/00	Traffic	Thom Mann	5/30/01
A.C.E. - Hydrology	Thom Mann	6/18/00	Water	R. B. B.	5/30/01
DRAWING NO. 2839		MAP NO. D-19		SHEET 4 OF 8	

C of A PWD Maps & Records
26 12/31/01 191

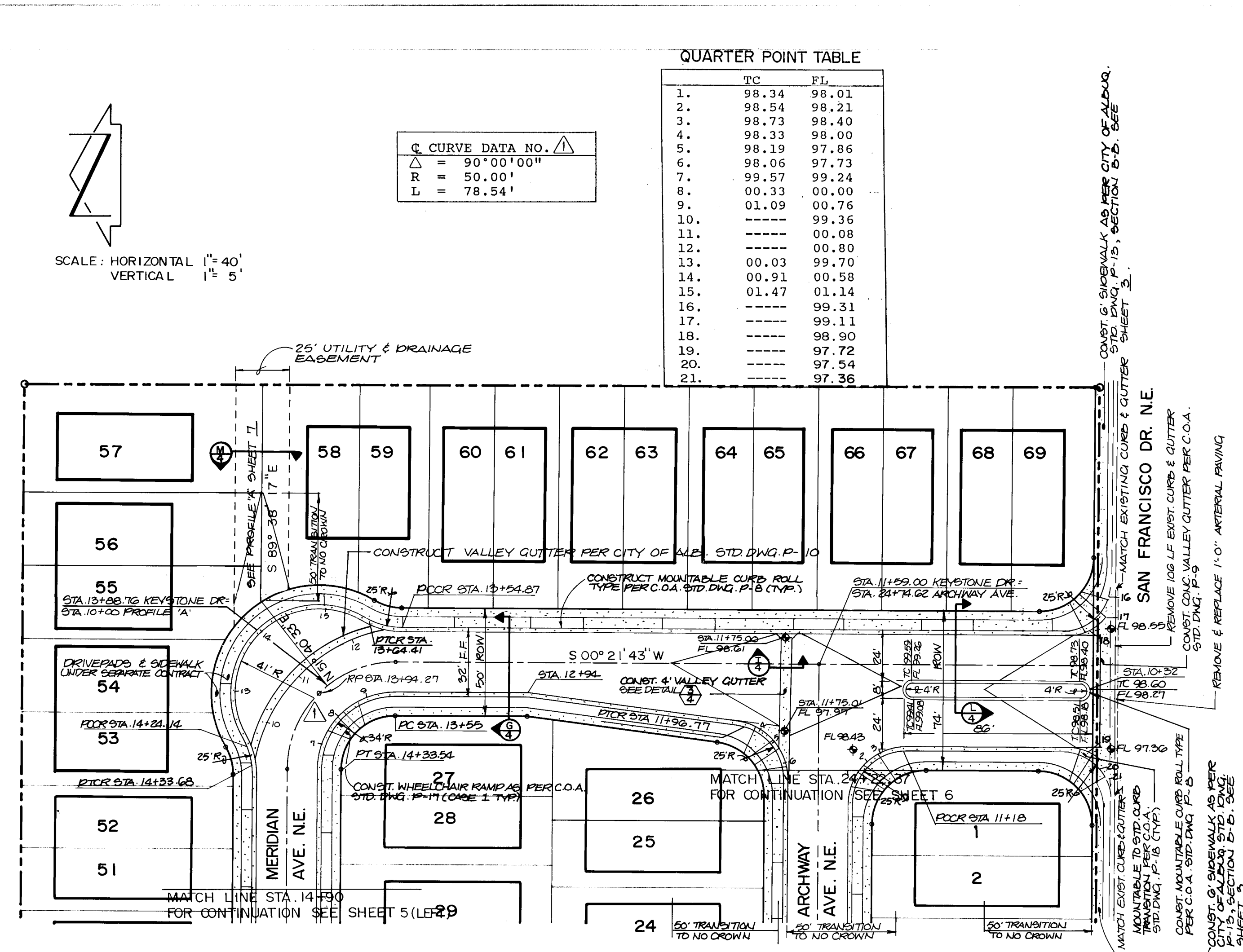
APPROVED FOR
CONSTRUCTION

JOB NO. 50791

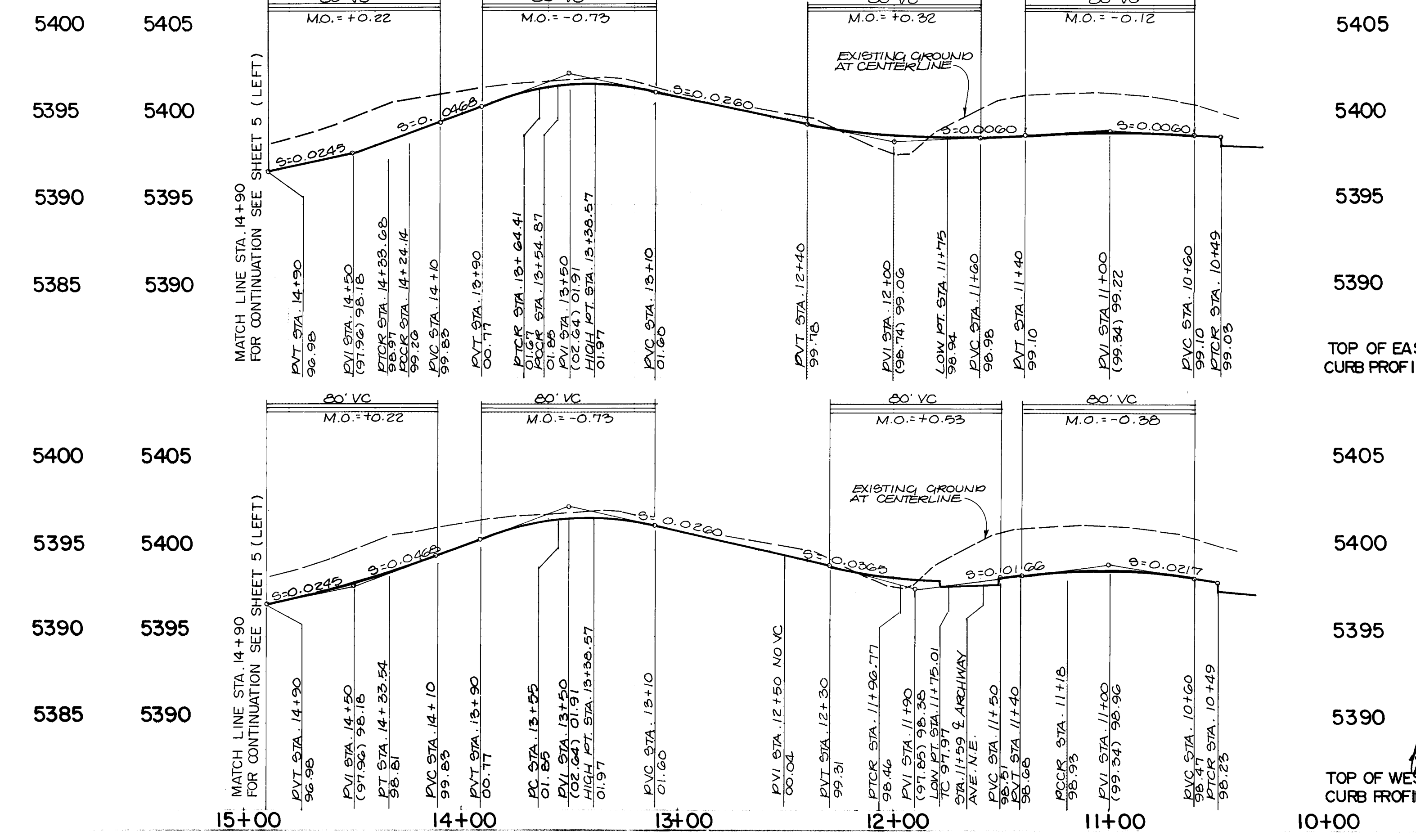
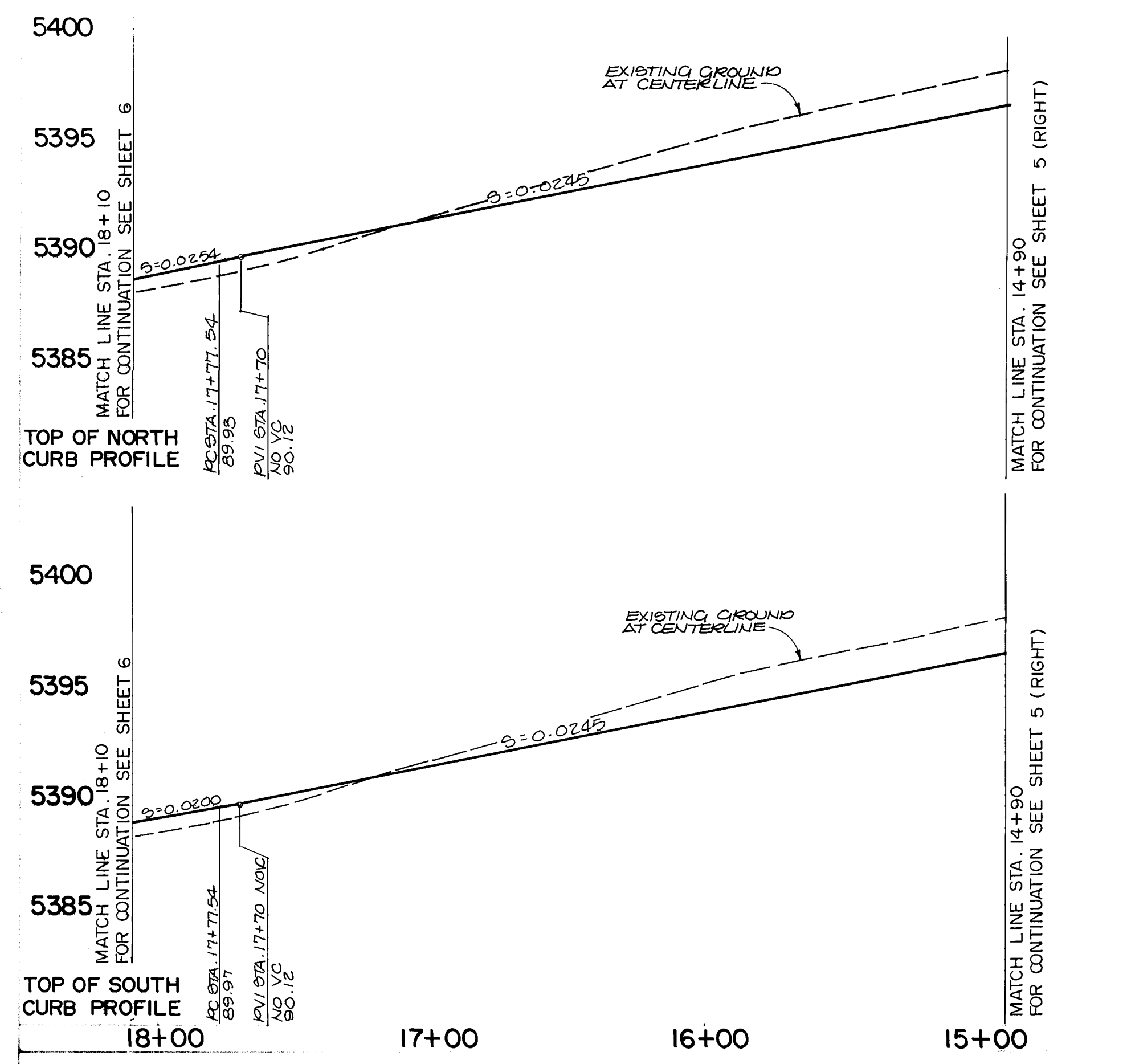
CITY ENGINEER DATE



MERIDIAN AVENUE N.E.



KEYSTONE DRIVE N.E.



STREET PAVING IMPROVEMENTS

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CENTERLINE STATIONING.
- WHERE REMOVAL OF EXISTING CURB & GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB & GUTTER RETURNS ARE SHOWN TO FACE OF CURB.

ENGINEER'S SEAL: REGISTERED PROFESSIONAL SURVEYOR THOMAS MANN JR. 1992 NEW MEXICO LAND SURVEYOR

REVISIONS: DESIGN, DATE 5/30/80, BY R. Poma

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION

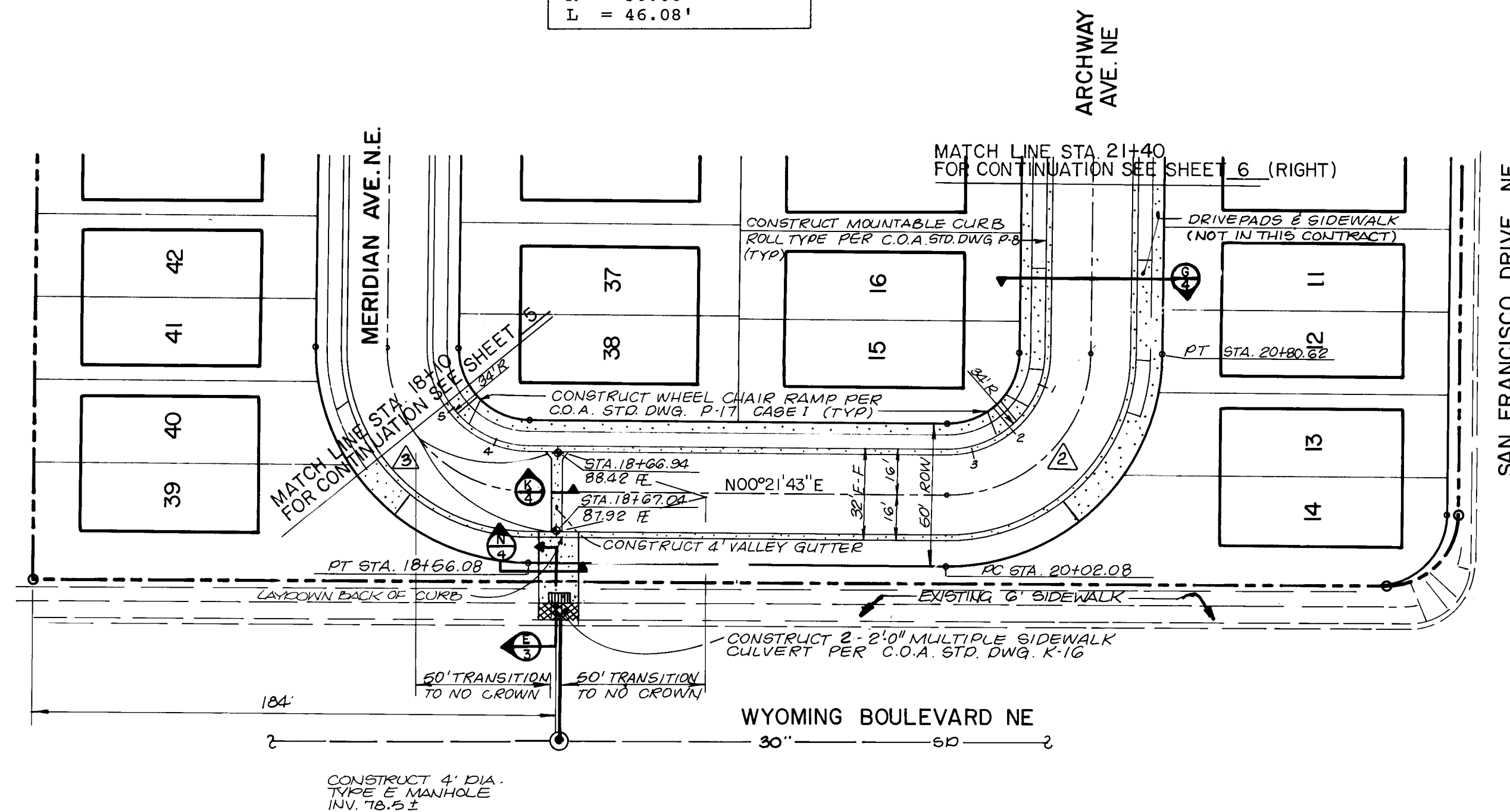
KEYSTONE PARK NORTH PAVING IMPROVEMENTS PLAN & PROFILE STATION 10+00 - STATION 18+10

DRAWING NO. 2839, MAP NO. D-19, SHEET 5 OF 8

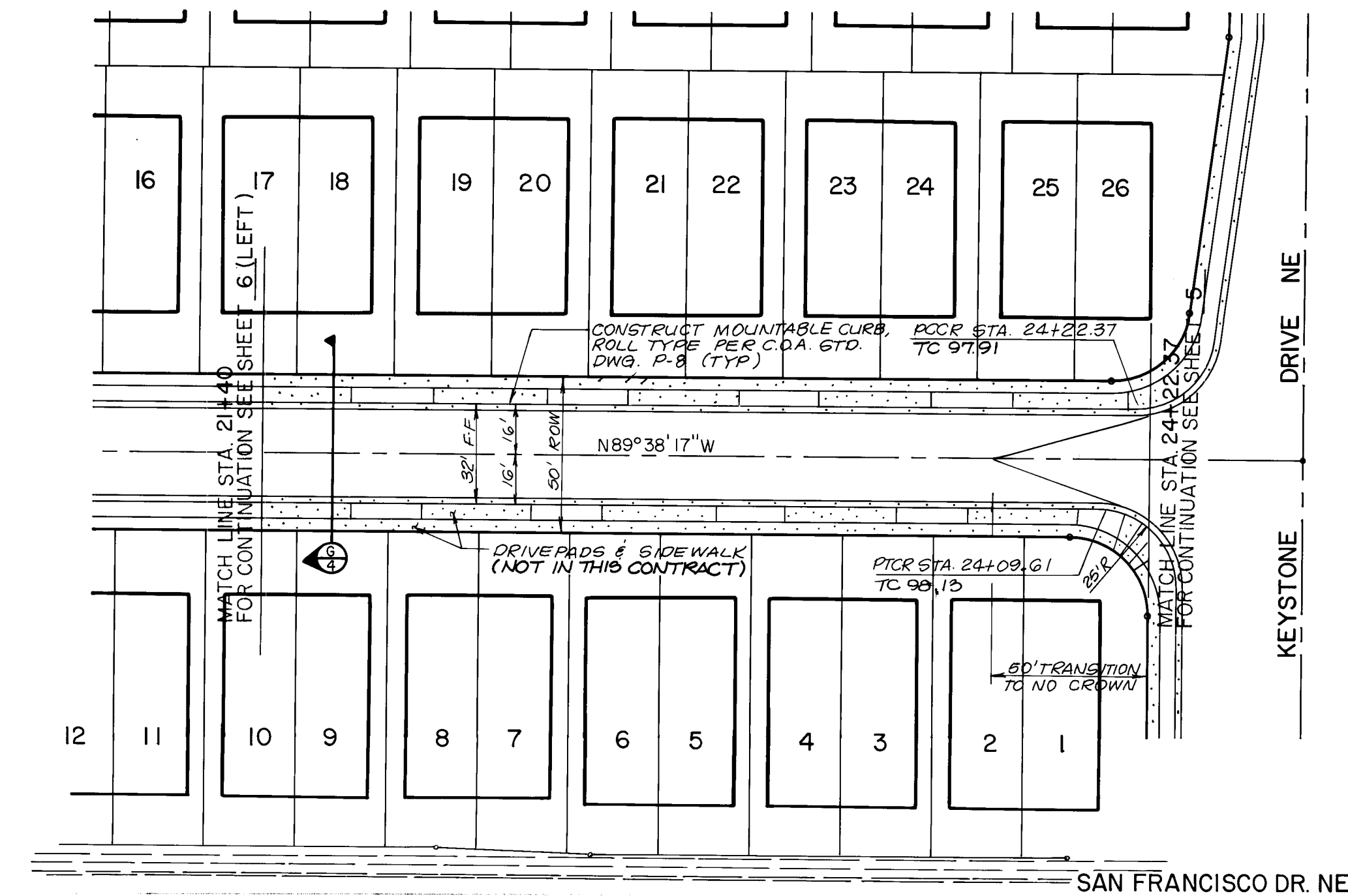


C CURVE DATA NO. 3	
Δ	= 52°48'13"
R	= 50.00'
L	= 46.08'

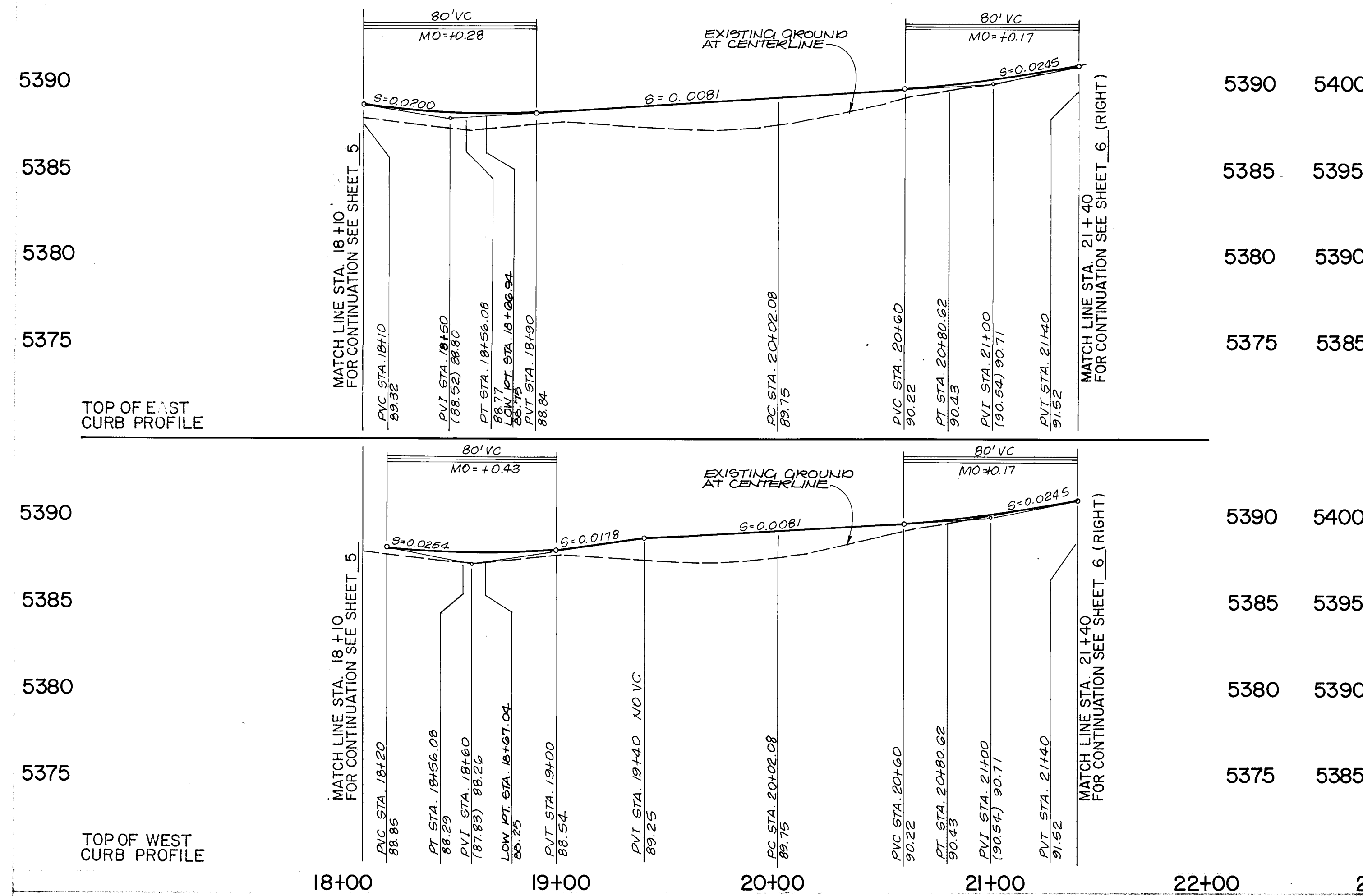
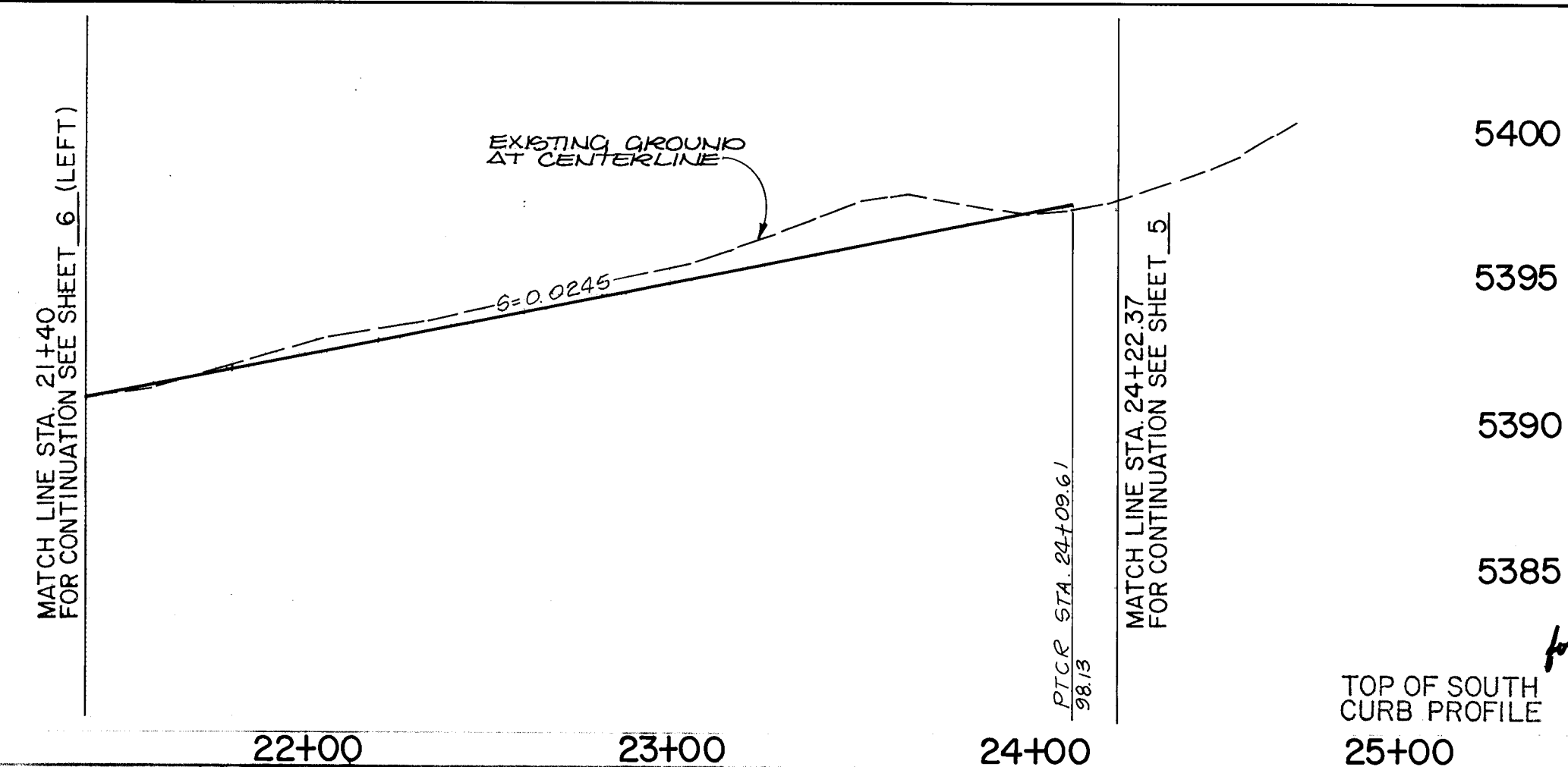
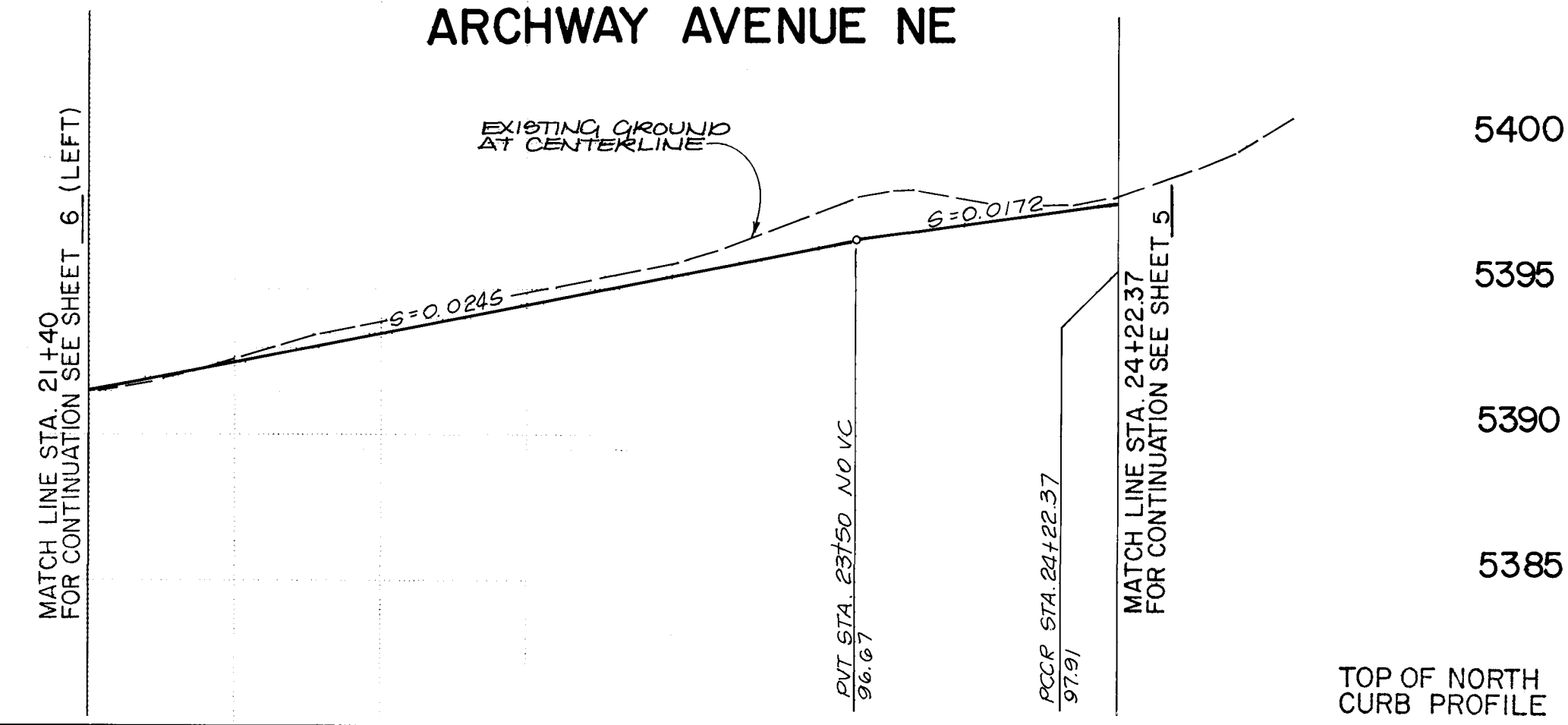
	TC	FL
1.	89.98	89.65
2.	89.82	89.49
3.	89.65	89.32
4.	88.58	88.25
5.	88.86	88.53



MERIDIAN AVENUE NE



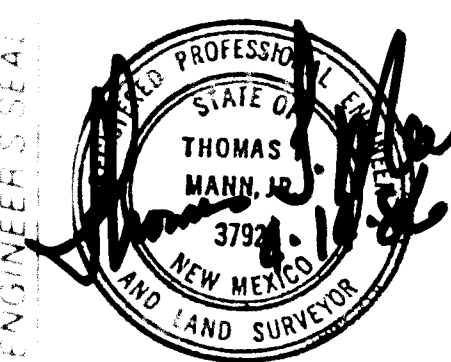
ARCHWAY AVENUE NE



STREET PAVING IMPROVEMENTS

1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CENTERLINE STATIONING.
2. WHERE REMOVAL OF EXISTING CURB & GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. ALL DIMENSIONS OF CURB & GUTTER RETURNS ARE SHOWN TO FACE OF CURB.

NO.	DATE	SY	FIELD NOTES	SURVEY INFORMATION
			A STANDARD AGS BRASS TABLET STAMPED "G-D19-1978" SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND, LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF SAN ANTONIO DR. N.E. & WYOMING BLVD N.E. ELEVATION = 5403.54 FEET (M.L.S.D.)	AS BUILT INFORMATION DATE BY REMARKS AS V.B.T. TABLET SET BY MICRO FILM INFORMATION DATE BY



NO	DATE	REMARKS	BY
		<i>REVISIONS</i>	
		<i>LE SIGN</i>	
		DATE	
		DATE	
		DATE	

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

KEYSTONE PARK NORTH
PAVING IMPROVEMENTS PLAN & PROFILE
STATION 18+10 - STATION 24+22.37

TOP OF SOUTH
CURB PROFILE
25+00

DRAWING NO	2839	MAP NO D-19	SHEET 6	OF 8
---------------	------	----------------	------------	---------

JOB NO. 50791

4" SANITARY SEWER SERVICE STATIONING		
STATION	LOCATION	LINE
14 + 95	25' RT OF CENTERLINE	92.80
14 + 90.54	25' LT OF CENTERLINE	92.80
15 + 30	25' LT OF CENTERLINE	92.00
15 + 49	25' RT OF CENTERLINE	91.60
15 + 53	25' LT OF CENTERLINE	91.20
15 + 52	25' RT OF CENTERLINE	91.20
15 + 94	25' LT OF CENTERLINE	90.40
16 + 07	25' RT OF CENTERLINE	90.10
16 + 15	25' LT OF CENTERLINE	89.70
16 + 17	25' RT OF CENTERLINE	89.60
16 + 58	25' LT OF CENTERLINE	88.80
16 + 65	25' RT OF CENTERLINE	88.70
16 + 79	25' LT OF CENTERLINE	88.10
16 + 80	25' RT OF CENTERLINE	88.10
17 + 23	25' LT OF CENTERLINE	87.30
17 + 25	25' RT OF CENTERLINE	87.30
17 + 45	25' LT OF CENTERLINE	86.50
17 + 40	25' RT OF CENTERLINE	86.50
17 + 75	25' LT OF CENTERLINE	86.30
17 + 79	25' RT OF CENTERLINE	86.20
17 + 90	32' RT OF CENTERLINE	85.60

METERED SERVICE LINE STATIONING		
STATION	LOCATION	LINE
15 + 09.54	18' LT OF CENTERLINE	
15 + 28.73	18' RT OF CENTERLINE	
15 + 73.54	18' LT OF CENTERLINE	
15 + 86.73	18' RT OF CENTERLINE	
16 + 37.54	18' LT OF CENTERLINE	
16 + 44.73	18' RT OF CENTERLINE	
16 + 65.54	18' LT OF CENTERLINE	
17 + 60.73	18' RT OF CENTERLINE	
17 + 40	18' LT OF CENTERLINE	
17 + 43	18' RT OF CENTERLINE	
17 + 74	18' LT OF CENTERLINE	
17 + 78	18' RT OF CENTERLINE	
17 + 88	33' RT OF CENTERLINE	

METERED SERVICE LINE STATIONING		
STATION	LOCATION	LINE
10 + 70	18' RT OF CENTERLINE	
11 + 30	18' RT OF CENTERLINE	
11 + 90	18' RT OF CENTERLINE	
12 + 50	18' RT OF CENTERLINE	
13 + 10	18' RT OF CENTERLINE	
13 + 70.39	26' RT OF CENTERLINE	
14 + 12.08	30' RT OF CENTERLINE	
14 + 45.54	18' LT OF CENTERLINE	
14 + 70.73	18' RT OF CENTERLINE	
10 + 69	14' LT OF PROFILE "A"	
11 + 05	14' LT OF PROFILE "A"	

4" SANITARY SEWER SERVICE STATIONING		
STATION	LOCATION	LINE
10 + 52	25' RT OF CENTERLINE	95.00
10 + 90	25' RT OF CENTERLINE	95.10
11 + 10	25' RT OF CENTERLINE	95.10
11 + 50	25' RT OF CENTERLINE	95.00
11 + 70	25' RT OF CENTERLINE	94.80
12 + 10	25' RT OF CENTERLINE	95.00
12 + 30	25' RT OF CENTERLINE	95.50
12 + 70	25' RT OF CENTERLINE	96.30
13 + 30	25' RT OF CENTERLINE	97.00
13 + 22	25' RT OF CENTERLINE	97.20
13 + 50	25' RT OF CENTERLINE	97.90
13 + 94	50' RT OF CENTERLINE	96.70
14 + 25	30' RT OF CENTERLINE	95.20
14 + 23	25' LT OF CENTERLINE	94.90
14 + 51.73	25' RT OF CENTERLINE	93.90
14 + 66	25' LT OF CENTERLINE	93.60
14 + 89.73	25' RT OF CENTERLINE	93.00
10 + 49	12.5' LT OF PROFILE "A"	97.40
10 + 89	12.5' LT OF PROFILE "A"	97.90
11 + 15	12.5' LT OF PROFILE "A"	98.80

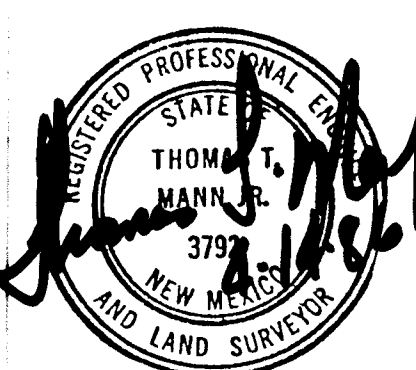
SANITARY SEWER SYSTEM

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
- ALL SEWER PIPE SHALL BE P.V.C. (SDR 35) UNLESS OTHERWISE NOTED.
- SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
- ALL MANHOLES SHALL BE 4-FOOT DIAMETER TYPE "E" AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-2 UNLESS OTHERWISE NOTED.
- SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-9.

WATER DISTRIBUTION SYSTEM

- ALL STATIONING IS BASED ON STREET CENTERLINE.
- WATER MAIN SHALL BE P.V.C. (C-900) OR AS APPROVED BY THE CITY OF ALBUQUERQUE WATER RESOURCES DIVISION.
- WATER LINE SHALL HAVE A MINIMUM COVER OF 4'-0" (TOP OF CURB TO TOP OF PIPE).
- WATER LINE SHALL BE LOCATED 10'-0" FROM AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATERLINES.

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES
DATE	DATE	DATE	DATE
BY	BY	BY	BY
NO	NO	NO	NO



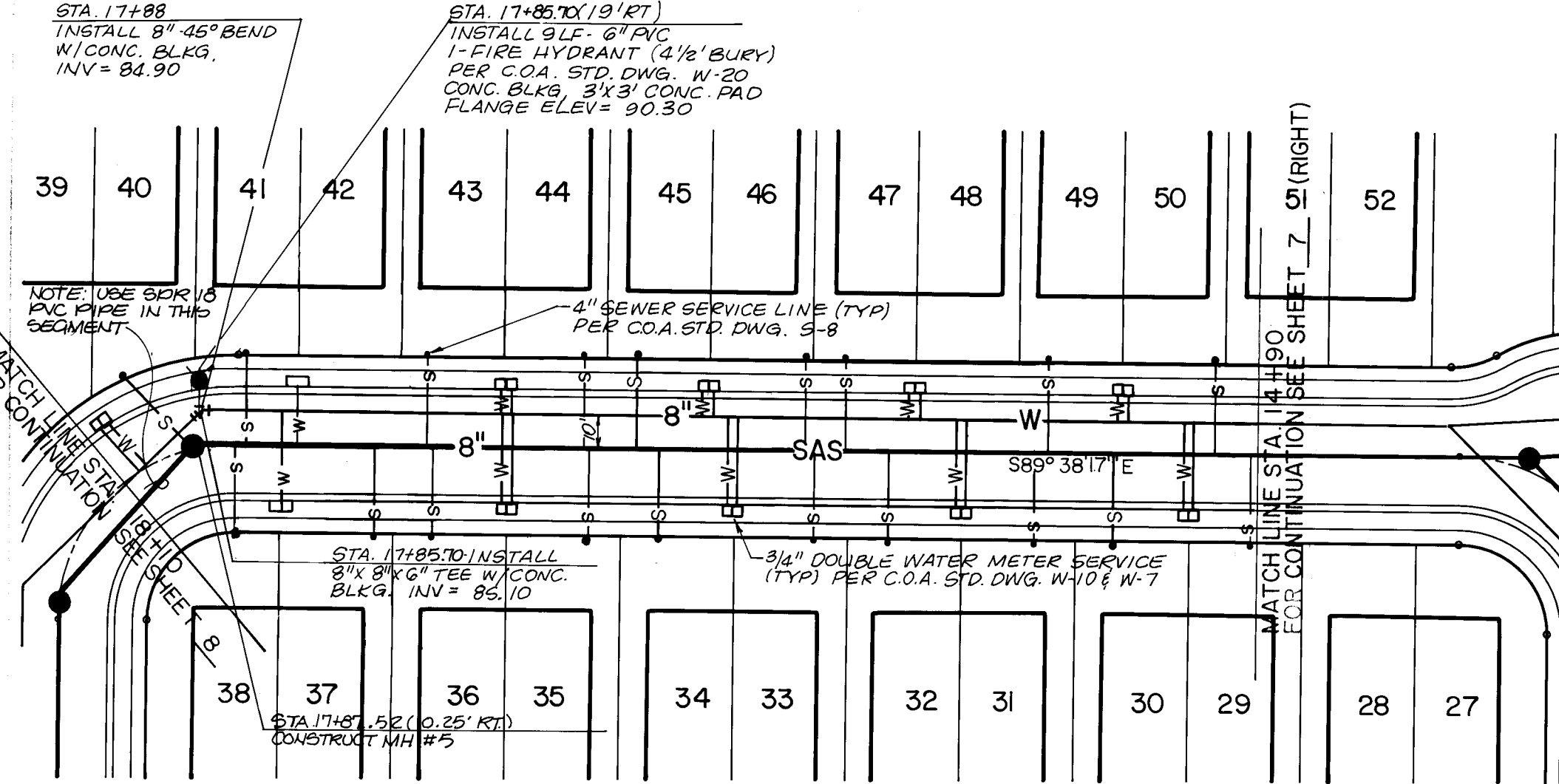
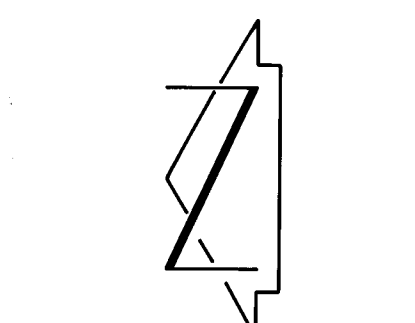
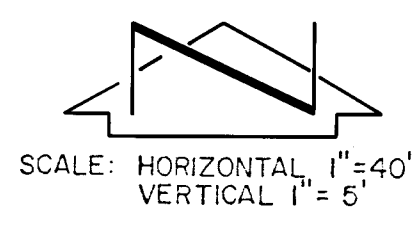
REMARKS	REVISIONS	DATE	DATE
NO	DATE	DATE	DATE
BY	BY	BY	BY
NO	NO	NO	NO

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

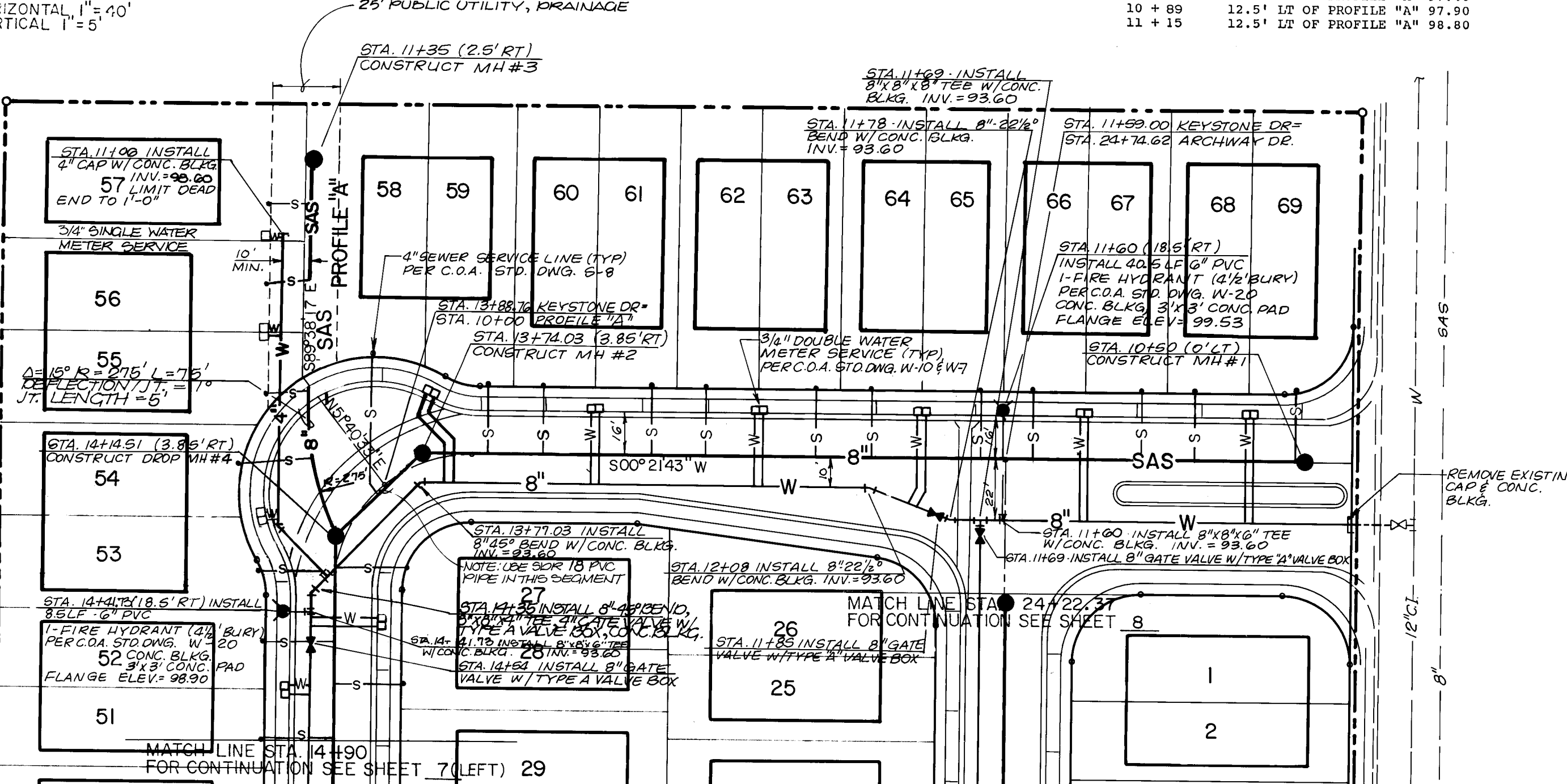
KEYSTONE PARK NORTH
SANITARY SEWER & WATER LINE IMPROVEMENTS P&P
STATION 10+00 — STATION 18+10

DATE: 5/30/86
APPROVED: [Signature]
DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]

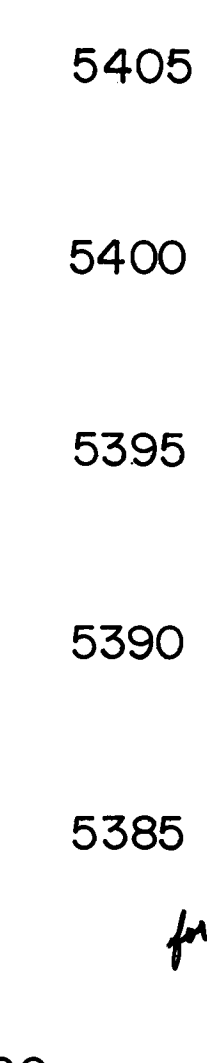
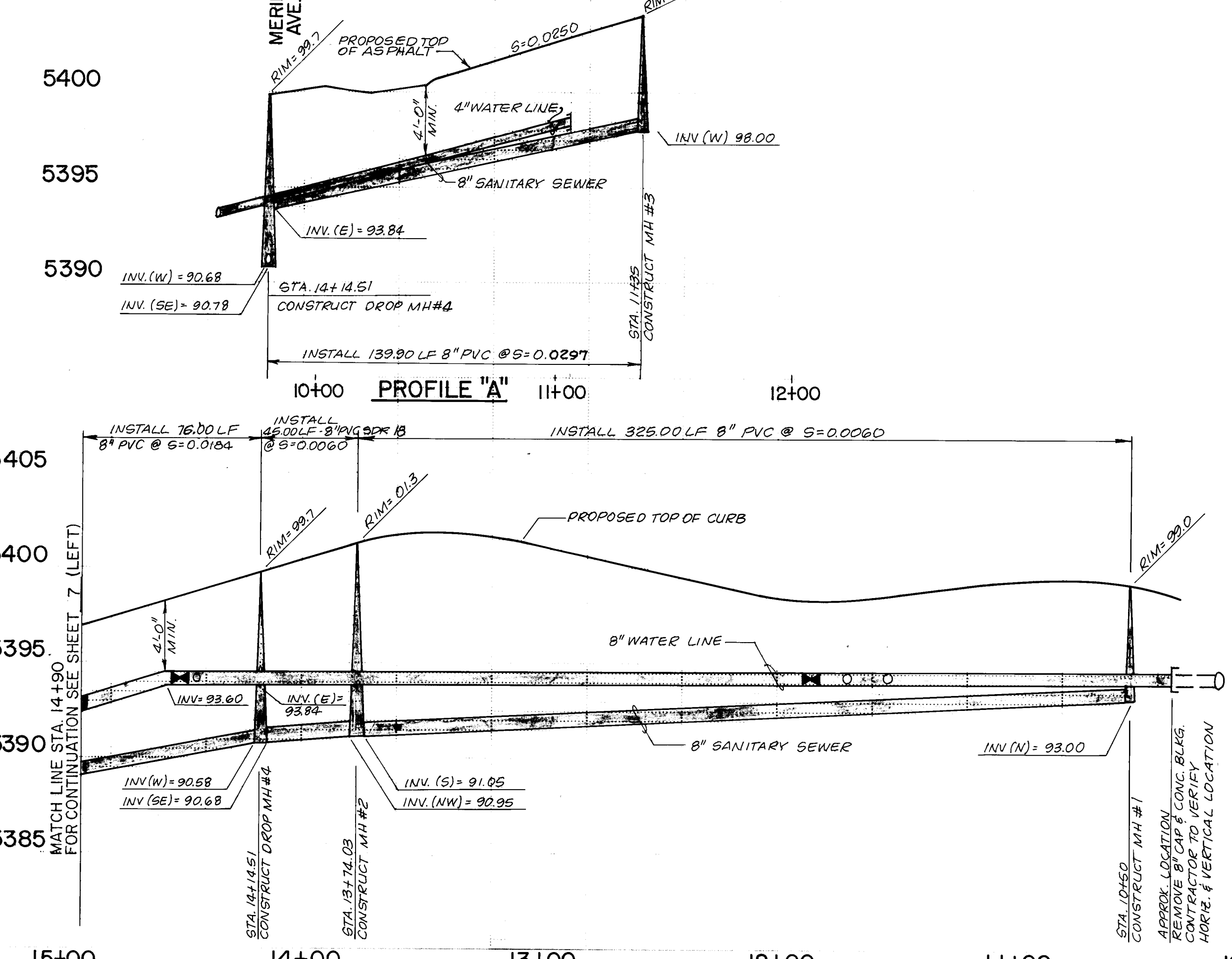
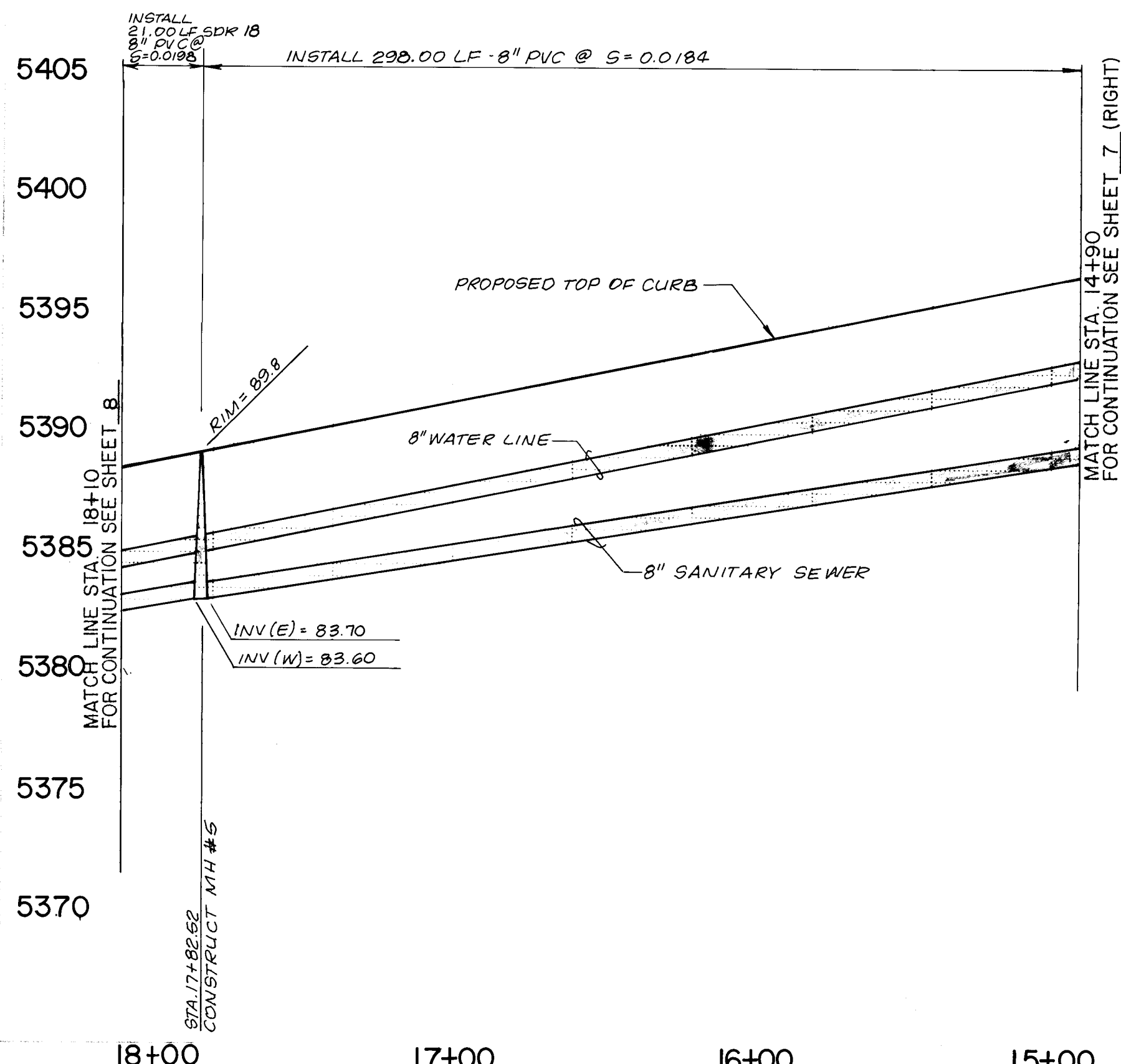
DRAWING NO. 2839 MAP NO. D-19 SHEET 7 OF 8



MERIDIAN AVENUE NE



KEYSTONE DRIVE NE



METERED SERVICE LINE STATIONING	
STATION	LOCATION
20 + 41.00	18' RT OF CENTERLINE
20 + 91.62	18' LT OF CENTERLINE
20 + 96.14	18' RT OF CENTERLINE

METERED SERVICE LINE		STATIONING	
STATION		LOCATION	
21 + 53.62	18'	RT OF CENTERLINE	
21 + 54.14	18'	RT OF CENTERLINE	
22 + 12.14	18'	RT OF CENTERLINE	
22 + 15.62	18'	LT OF CENTERLINE	
22 + 70.14	18'	RT OF CENTERLINE	
22 + 77.62	18'	LT OF CENTERLINE	
23 + 28.14	18'	RT OF CENTERLINE	
23 + 39.62	18'	LT OF CENTERLINE	
23 + 86.14	18'	RT OF CENTERLINE	
24 + 01.62	18'	LT OF CENTERLINE	

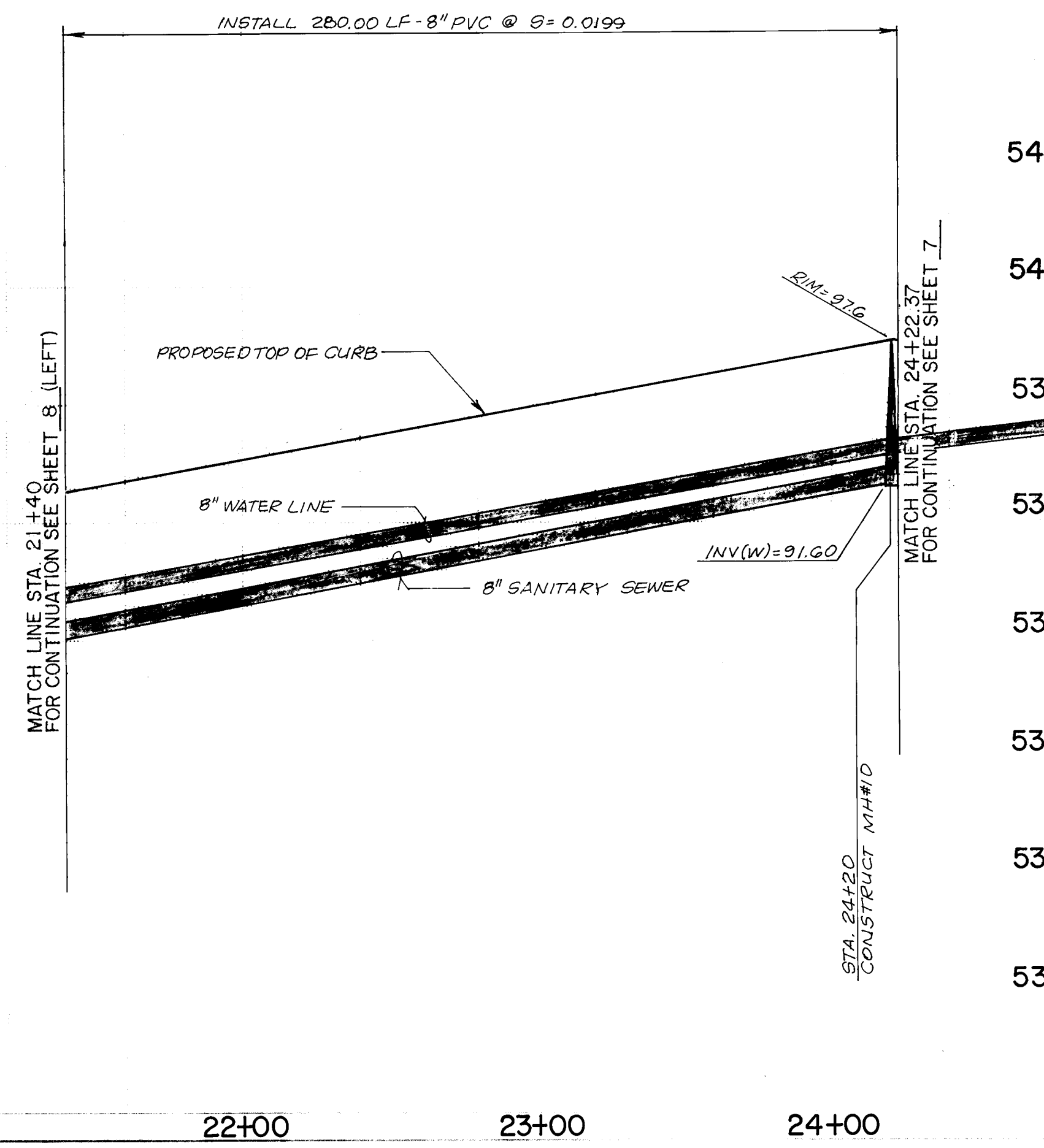
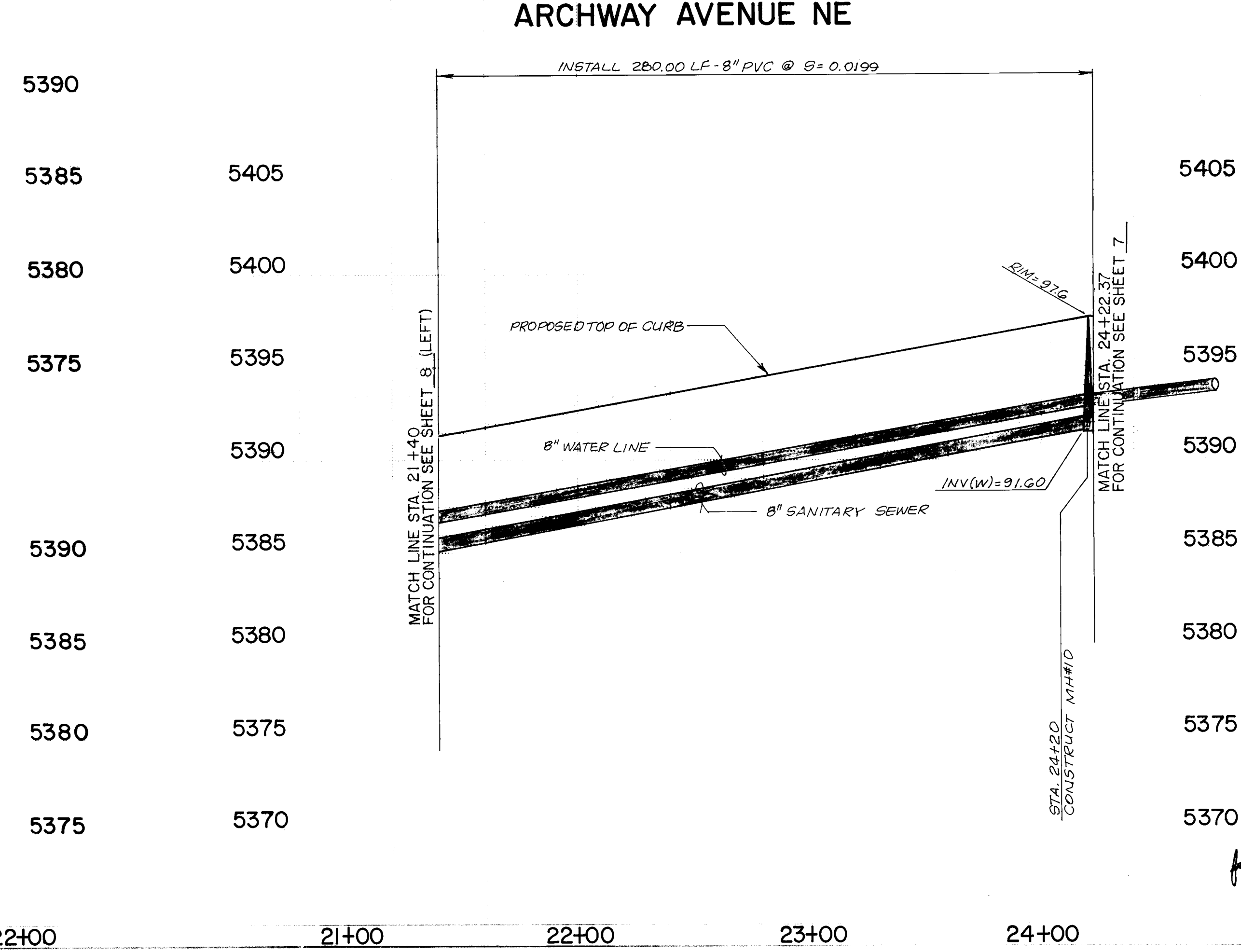
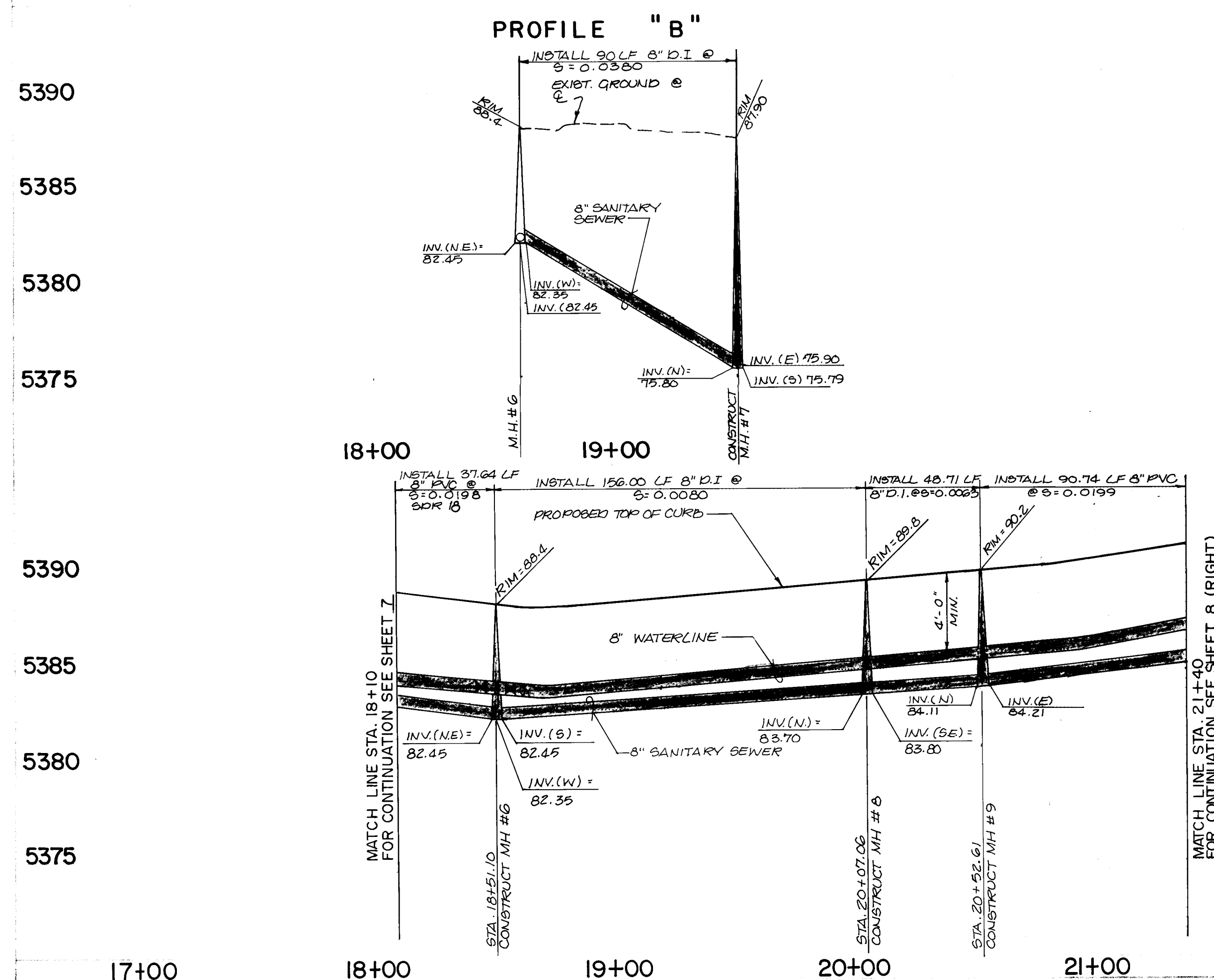
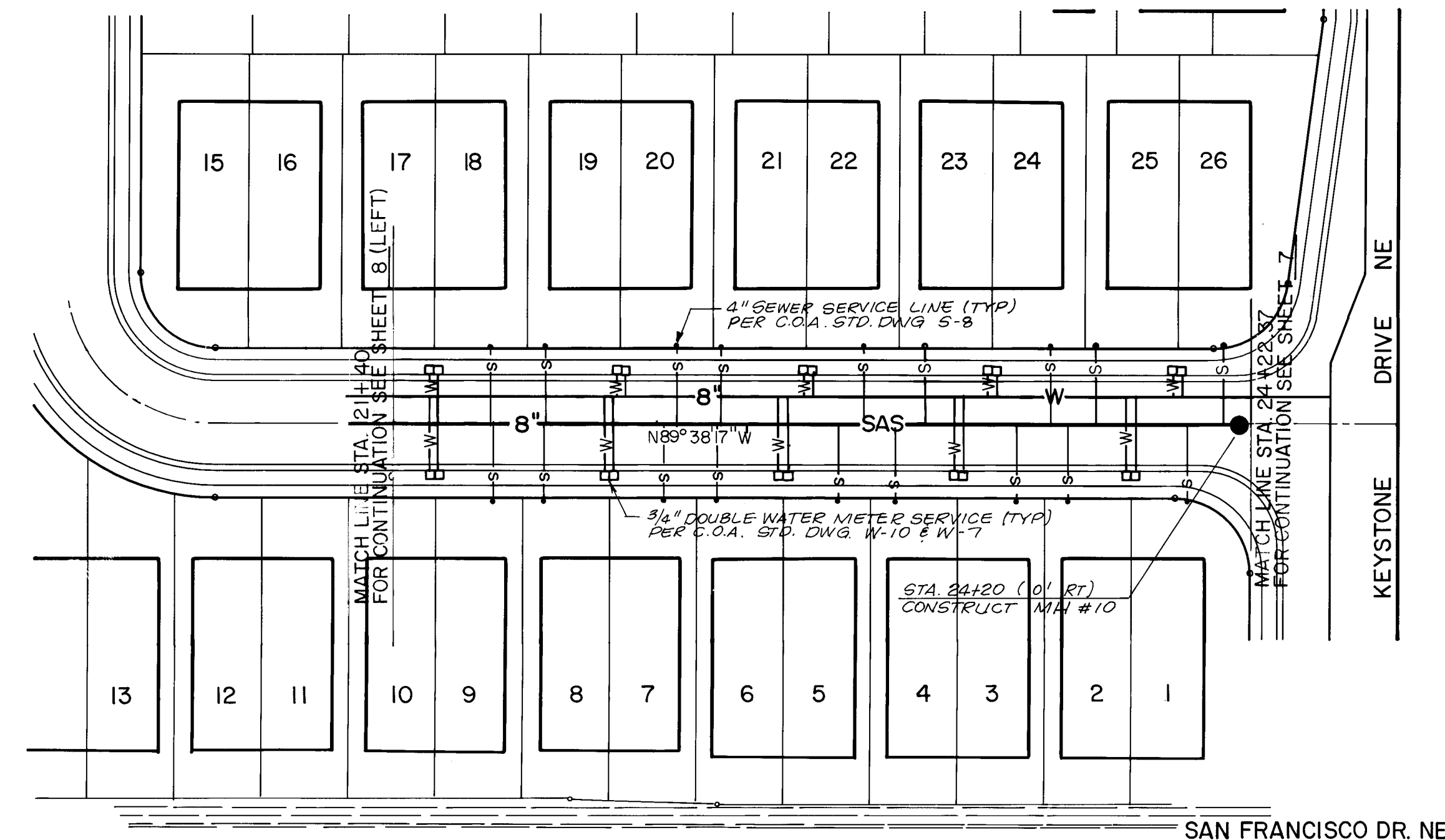
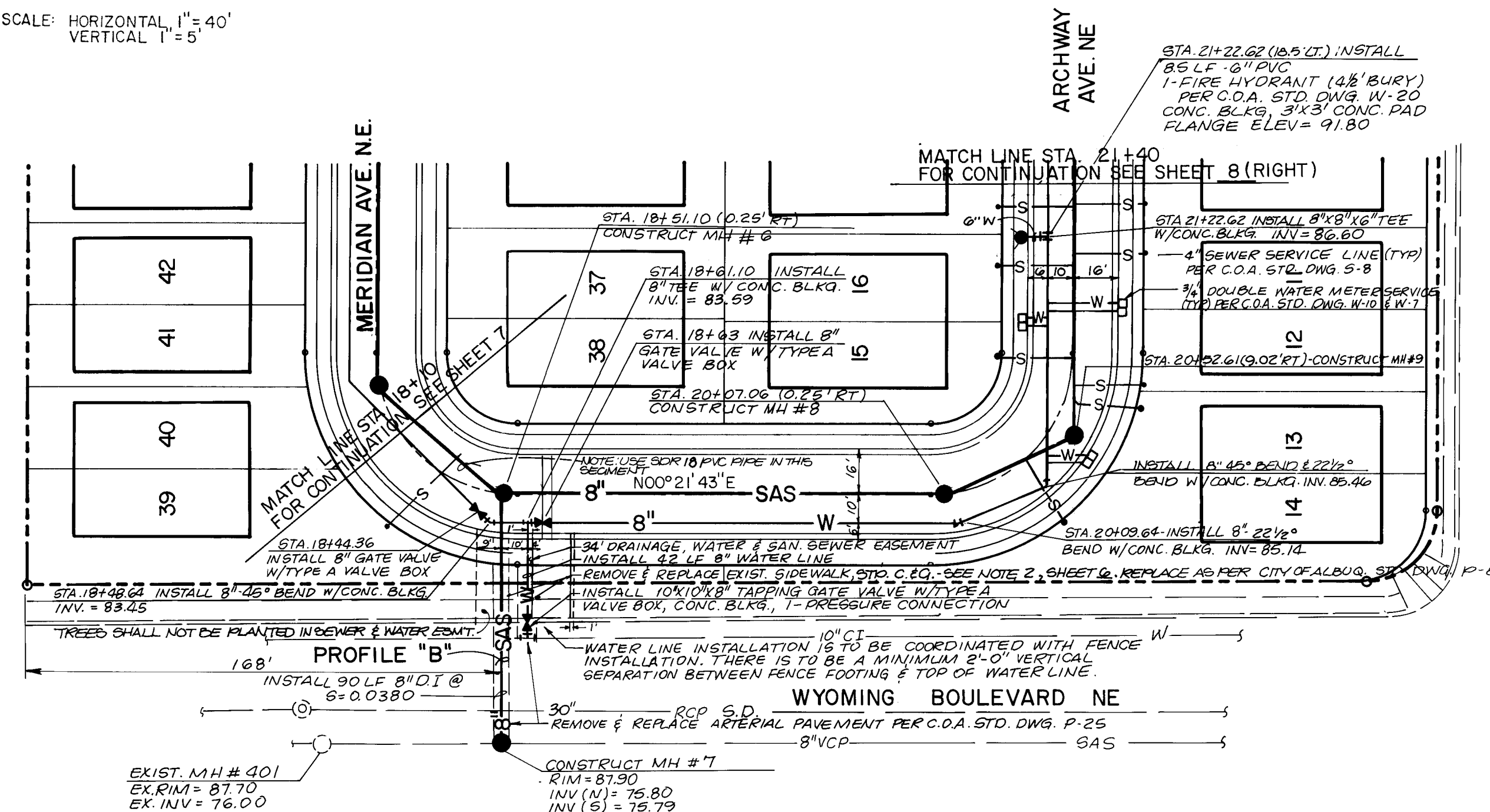
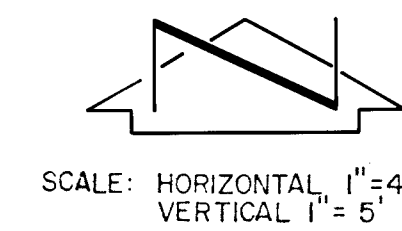
4" SANITARY SEWER SERVICE STATIONING			INV. AT PROPERTY
STATION	LOCATION	LINE	
21 + 75	25' RT OF CENTERLINE	87.50	
21 + 74	25' LT OF CENTERLINE	87.22	
21 + 73	25' RT OF CENTERLINE	87.56	
21 + 92	25' RT OF CENTERLINE	87.69	
22 + 32	25' RT OF CENTERLINE	88.38	
22 + 31	25' LT OF CENTERLINE	88.38	
22 + 49	25' RT OF CENTERLINE	88.72	
22 + 50	25' LT OF CENTERLINE	88.74	
22 + 51	25' RT OF CENTERLINE	88.53	
22 + 98	25' LT OF CENTERLINE	89.69	
23 + 08	25' RT OF CENTERLINE	89.89	
23 + 16	25' LT OF CENTERLINE	90.50	
23 + 48	25' RT OF CENTERLINE	90.69	
23 + 49	25' LT OF CENTERLINE	90.50	
23 + 66	25' RT OF CENTERLINE	91.05	
23 + 74	25' LT OF CENTERLINE	91.20	
24 + 08	25' RT OF CENTERLINE	91.53	
24 + 15	25' LT OF CENTERLINE	92.02	

SANITARY SEWER SYSTEM

1. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS INDICATED OTHERWISE.
2. ALL SEWER PIPE SHALL BE P.V.C. (SDR 35) UNLESS OTHERWISE NOTED.
3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
4. ALL MANHOLES SHALL BE 4-FOOT DIAMETER TYPE "B" 15 PER CITY OF ALBUQUERQUE STANDARD DRAWING S-2 UNLESS OTHERWISE NOTED.
5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-9.

WATER DISTRIBUTION SYSTEM

6. ALL STATIONING IS BASED ON STREET CENTERLINE.
7. WATER MAIN SHALL BE P.V.C. (C-900) OR AS APPROVED BY THE CITY OF ALBUQUERQUE WATER RESOURCES DIVISION.
8. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'-0" (TOP OF CURB TO TOP OF PIPE).
9. WATER LINE SHALL BE LOCATED 10'-0" FROM AND PARALLEL TO STREET CENTERLINE UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATERLINES.



ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	A STANDARD SET BRASS TABLET STAMPED						
			"6-D19-1978" SET IN TOP OF A CONCRETE						
			POST FLUSH WITH GROUND LOCATED AT THE						
			NORTHWEST CORNER OF THE INTERSECTION						
			OF SAN ANTONIO DRIVE, NE AND WYOMING						
			BOULEVARD, NE.						
			ELEVATION = 5403.54 (MUSD)						
		NO.		DATE		A STANDARD SET BRASS TABLET STAMPED		AS BUILT INFORMATION	
								MICRO FILM INFORMATION	
								DATE	
								NO.	

[illegible]

CITY OF ALBUQUERQUE					
MINISTERIAL DEVELOPMENT DEPARTMENT					
ENGINEERING DIVISION					
TITLE: KEYSTONE PARK NORTH					
SANITARY SEWER & WATER LINE IMPROVEMENTS P&P					
STATION 18+10 - STATION 24+22.37					
APPROVED BY	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
BY ENGINEER	<i>John R. ...</i>	6/9/86	Quick Write	<i>John R. ...</i>	5/30/86
BY DESIGN	<i>Robert A. ...</i>	6/5/86	Traffic	N.A. D.H.	5/30/86
BY HYDROLOGIST			Water	R. ...	5/30/86
DRAWING NO.	2839		MAP NO.	D-19	
			SHEET	8	OF 8