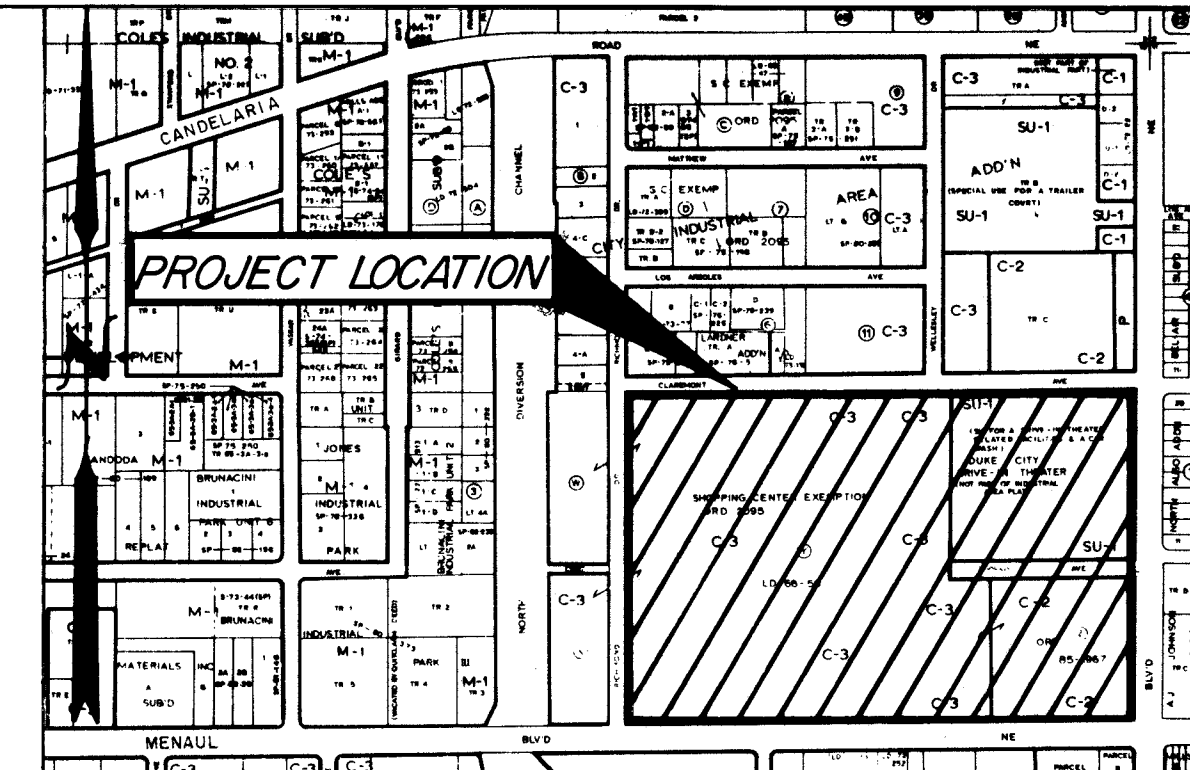


CONSTRUCTION PLANS FOR

AMERICAN SQUARE
GRADING, PAVING, WATER,
SANITARY SEWER AND DRAINAGE IMPROVEMENTS
PHASE I

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2,3.	PLAT SHEETS
4,5.	OVERALL GRADING
6.	OVERALL PAVING PLAN
7.	OVERALL WATER & SANITARY SEWER PLAN
8.	AMERICAN DRIVE PAVING PLAN & PROFILE STA. 0+00.00 TO STA. 6+76.17
9.	BRYN MAWR DRIVE PAVING PLAN & PROFILE STA. 6+76.17 TO STA. 15+56.61
10.	PRIVATE DRIVE PAVING PLAN & PROFILE STA. 0+00.00 TO STA. 7+50.00
11.	PRIVATE DRIVE PAVING PLAN & PROFILE STA. 7+50.00 TO STA. 14+84.71
12.	CHANNEL PLAN & PROFILE STA. 0+22.02 TO STA. 5+30.00
13.	AMERICAN DRIVE UTILITY PLAN & PROFILE STA. -0+10.00 TO STA. 8+00.00
14.	BRYN MAWR DRIVE UTILITY PLAN & PROFILE STA. 8+00.00 TO STA. 15+78.03
15.	PRIVATE DRIVE UTILITY PLAN & PROFILE STA. -0+10.00 TO STA. 8+01.74
16.	UTILITY PLAN & PROFILE STA. 0+00.00 TO STA. 9+36.80
17.	10" FIRELINE PLAN & PROFILE STA. 0+00.00 TO STA. 7+90.88
18.	UTILITY PLAN & PROFILE
19.	MENAUL BLVD. MEDIAN RECONSTRUCTION STA. 2+21.62 TO STA. 10+50.00
20.	MENAUL BLVD. MEDIAN RECONSTRUCTION STA. 10+50.00 TO STA. 18+72.26
21.	CARLISLE BLVD. MEDIAN RECONSTRUCTION STA. 0+00.00 TO STA. 9+50.00
22.	DETAIL SHEET
23.	DETAIL SHEET

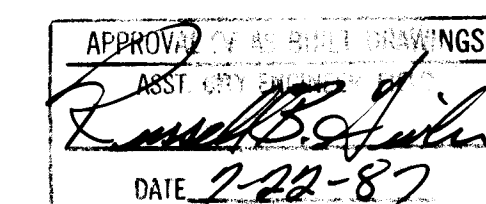


VICINITY MAP: H-16

SCALE: 1"=800'

GENERAL NOTES

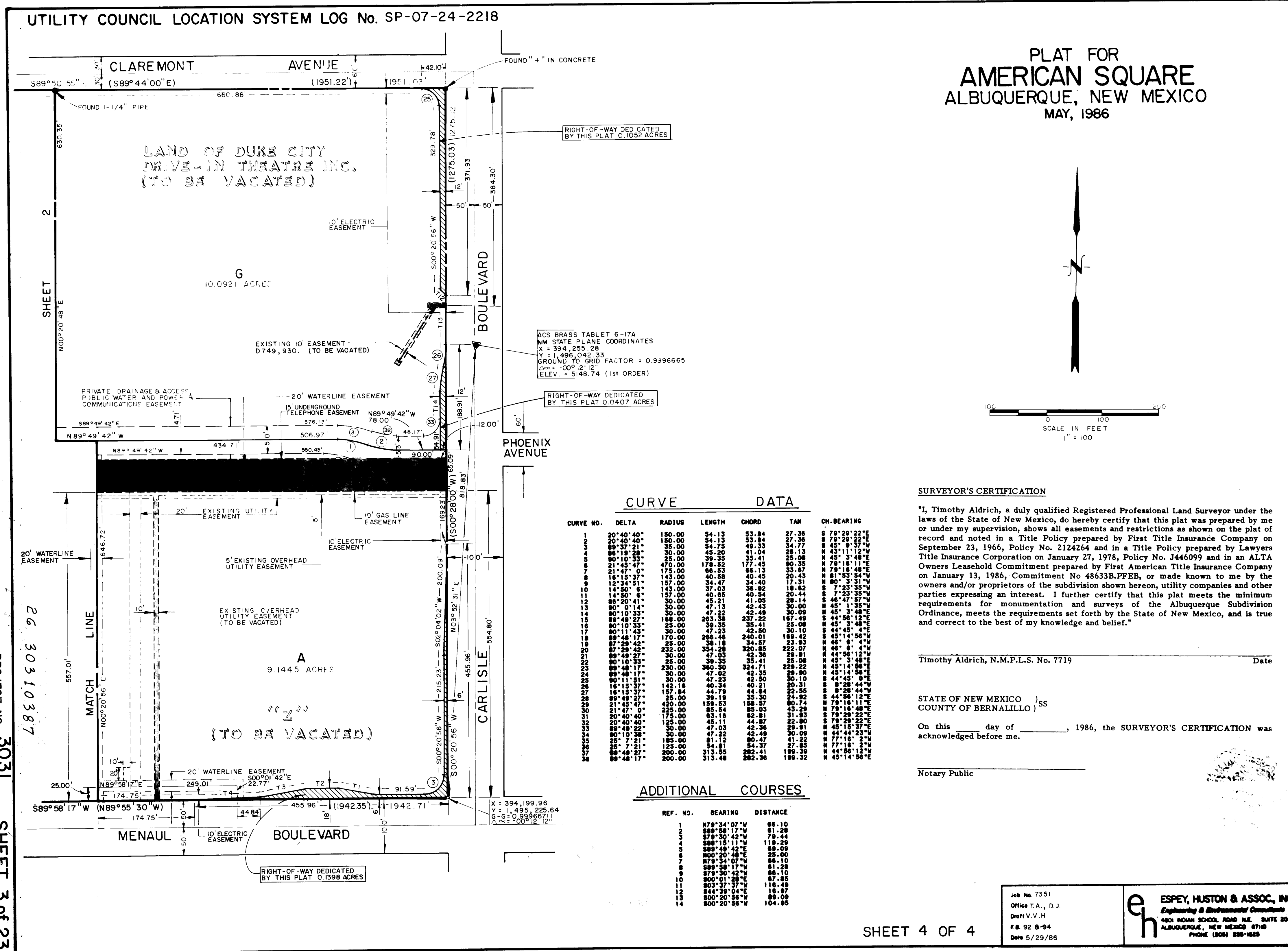
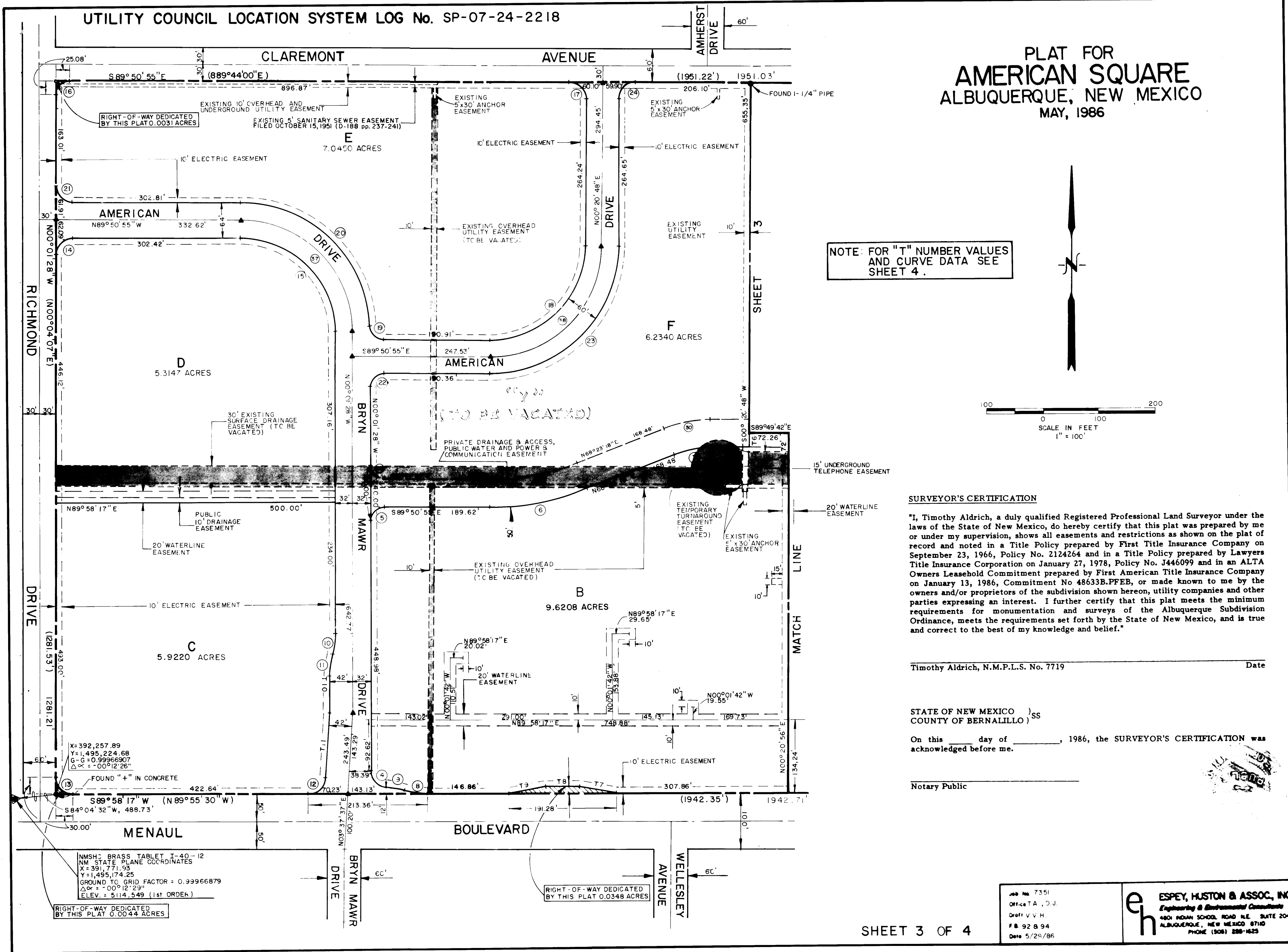
- All work detailed on these plans to be performed under contract, unless stated otherwise or provided for hereon, shall be constructed in accordance with the City of Albuquerque Interim Standard Specifications Public Works Construction, 1985 (referred herein as "Standard Specifications").
- Two (2) 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 locations 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.
- 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.
- Contractor shall maintain access to adjacent properties during construction.
- All gas, electric, telephone lines, cables, and appurtenances encountered during construction that require relocation, shall be done by the responsible utility. Contractor shall be responsible for coordination of all necessary utility adjustments.
- It will be the Contractor's responsibility to protect and maintain in service all existing utilities.
- The Contractor will be required to confine his work within the construction limits and/or public right-of-way to preserve existing vegetation and private property. Overnight parking of construction equipment shall not obstruct driveways or designated traffic lanes.
- A disposal site for all excess excavation material, asphaltic paving, concrete curbs and sidewalks, etc., shall be obtained by the Contractor in compliance with applicable environmental regulations and approved by the Field Engineer. All costs incurred in obtaining a disposal site and haul thereto shall be considered incidental to the project and no separate measurement or payment shall be made.
- When abutting new pavement to existing, sawcut existing pavement to a straight edge and at a right angle, or as approved by the Project Engineer, to remove any broken or cracked pavement.
- The Contractor must submit a construction signing and barricading plan to Traffic Engineering a minimum of three (3) working days prior to construction to receive a barricading permit.
- All trench backfill shall be compacted to a minimum 90% maximum density as per ASTM D-1557.

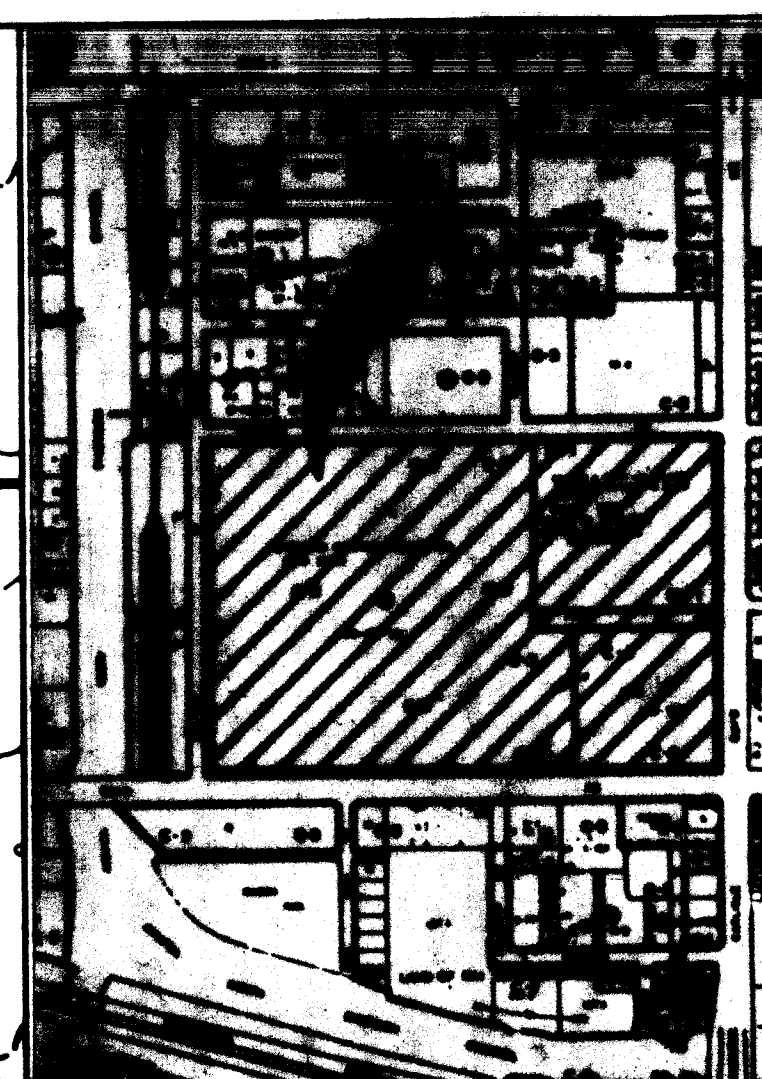
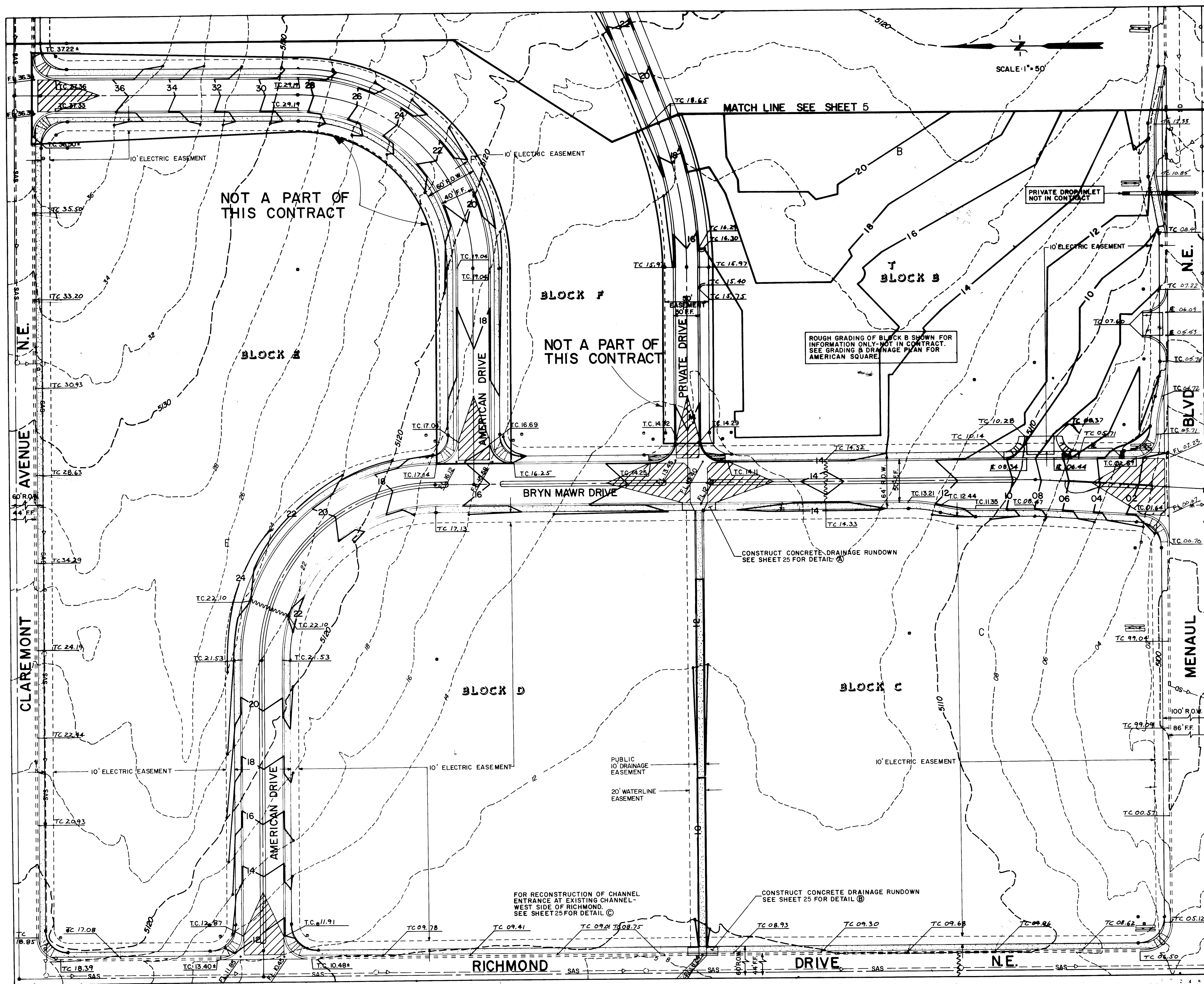


1 2 3 4 5 6 7 8 9 10 11 12
26 30 31 10 1 8 7

REV	SHEETS	CITY	ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS										

ENGINEERS SEAL 	ESPEY, HUSTON & ASSOC., INC. <i>Engineering & Environmental Consultants</i> 4801 INDIAN SCHOOL ROAD N.E. SUITE 204 ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625	APPROVED FOR CONSTRUCTION 12/30/86 C.E.
PROJECT NUMBER 3031	SHEET 1 OF 23	

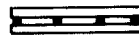
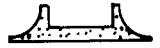
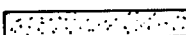
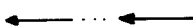
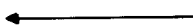




LOCATION MAP:
SCALE: 1" = 800'

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD NE SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

LEGEND

- SAS -- EXIST. SANITARY SEWER
- 46 -- EXIST. CONTOURS
- 46 — PROPOSED CONTOURS
- TC 12.69
TOP CURB
-  DRAINAGE CHANNEL W/SIDEWALK CULVERT
-  PROPOSED SPOT ELEVATION
- 19.50
FLOW LINE
-  EXIST. BILLBOARD TO BE REMOVED
-  EXIST. SIGN TO BE REMOVED
-  EXIST. STREET LIGHT
-  WATER BLOCK
-  PROPOSED SIDEWALK CULVERT
-  PROPOSED CONCRETE VALLEY GUTTER
-  PROPOSED CONCRETE SIDEWALK
-  PROPOSED SWALE
-  PROPOSED DIRECTION OF FLOW
-  6' WIDE TEXTURED PEDESTRIAN CROSSING
- == ===== EXIST. CURB & GUTTER
-  PROPOSED WHEELCHAIR RAMP
- SD -- EXIST. STORM DRAIN

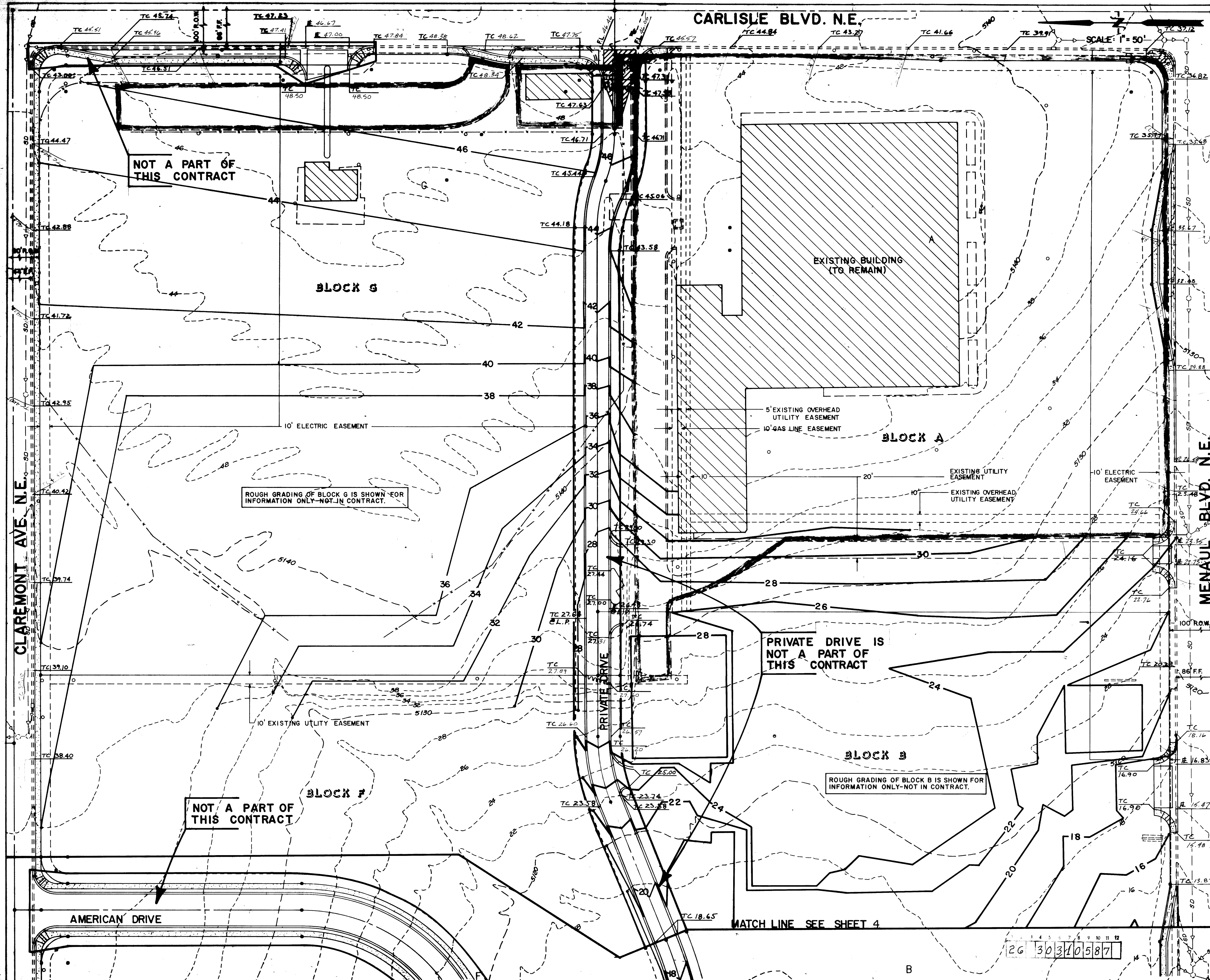
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:	AMERICAN SQUARE PHASE I OVERALL GRADING
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/84	Liquid Waste	WJW	11/7/86
A.C.E.-Design	<i>[Signature]</i>	11/25/84	Traffic	NADWH	11/7/86
A.C.E.-Hydrology	<i>[Signature]</i>	11/25/84	Water	WJW	11/7/86

DRAWING NO.	3031	MAP NO.	H-16	SHEET	4	OF	23
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26	30310487
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ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1629

LEGEND

- EXIST. ASPHALT PAVEMENT
- EXIST. CONTOURS
- PROPOSED CONTOURS
- TOP CURB
- DRAINAGE CHANNEL W/SIDEWALK CULVERT
- PROPOSED SPOT ELEVATION
- FLOW LINE
- EXIST. BILLBOARD TO BE REMOVED
- EXIST. SIGN TO BE REMOVED
- EXIST. STREET LIGHT
- WATER BLOCK
- PROPOSED SIDEWALK CULVERT
- PROPOSED CONCRETE VALLEY GUTTER
- PROPOSED CONCRETE SIDEWALK
- PROPOSED SWALE
- PROPOSED DIRECTION OF FLOW
- 6" WIDE TEXTURED PEDESTRIAN CROSSING
- EXIST. CURB & GUTTER
- PROPOSED WHEELCHAIR RAMP
- EXIST. STORM DRAIN

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

CONTRACTOR	DATE

SURVEY INFORMATION

FIELD NOTES	DATE	BY

ENGINEER'S SEAL

10-15-86

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	DATE	CHECKED BY	DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AMERICAN SQUARE - PHASE I
OVERALL GRADING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		11/25/86	Liquid Waste		11/7/86
A.C.E. - Design		11/25/86	Traffic		11/7/86
A.C.E. - Hydrology		11/25/86	Water		11/7/86

DRAWING NO. 3031 **MAP NO.** H-16 **SHEET** 5 **OF** 23

NOTE:
1. FOR CROSS-SECTIONS, SEE SHEET 22 OF 23

AS BUILT INFORMATION
The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Carlisle Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Carlisle Blvd., go north on Carlisle 0.5 miles to Phoenix Ave. The station is located in the median of Carlisle North of Phoenix Ave. The station mark is a standard A.C.S. bronze table stamped "G-H7A" set in a concrete pad 0.2 feet above ground.
MSLD ELEV. 5448.74

SURVEY INFORMATION
DATE
BY

10-29-86

REMARKS
REVISIONS
DESIGN
DATE 8/86
BY
DAL MEC

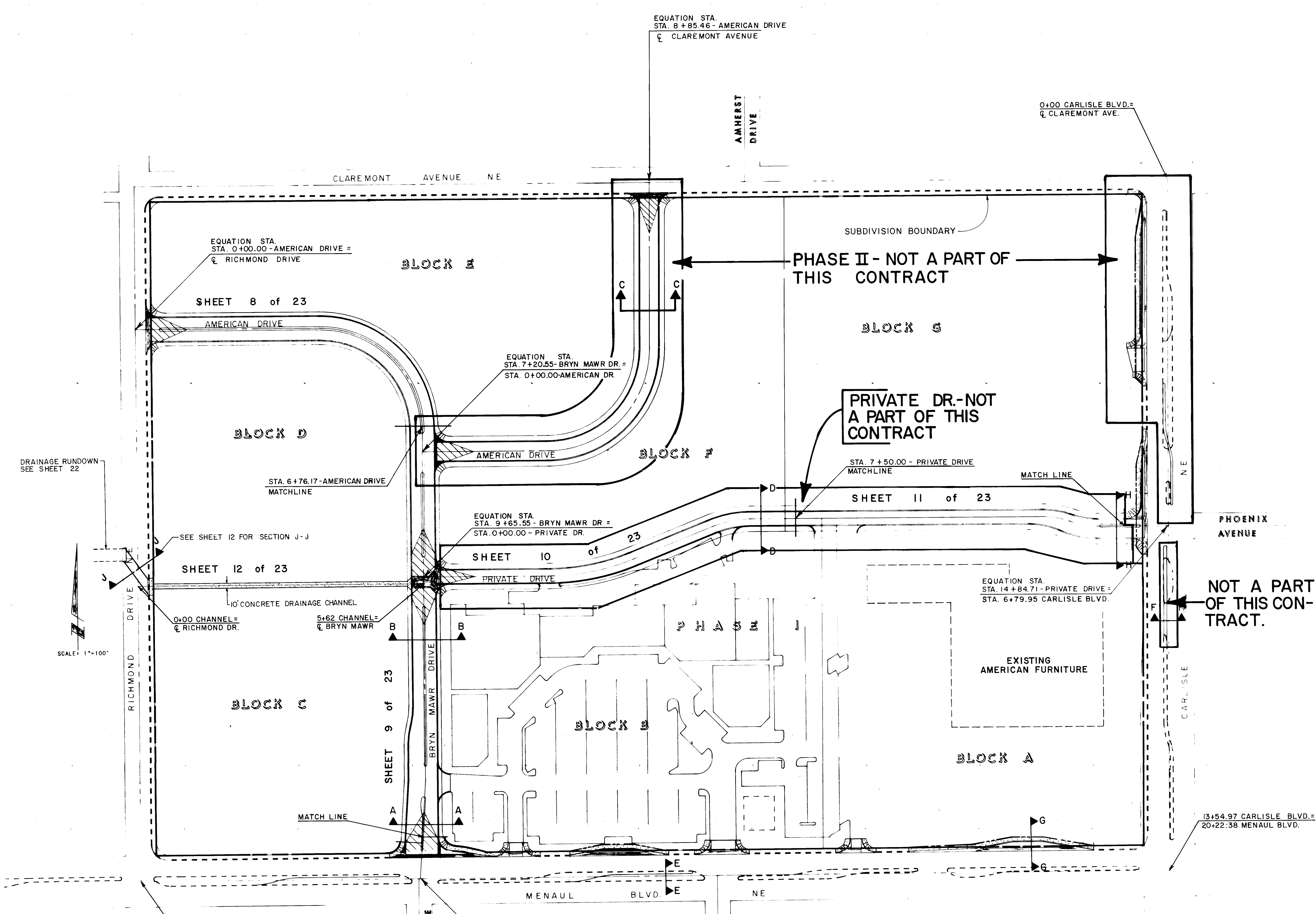
ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, NE SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE
AMERICAN SQUARE - PHASE I
OVERALL PAVING PLAN

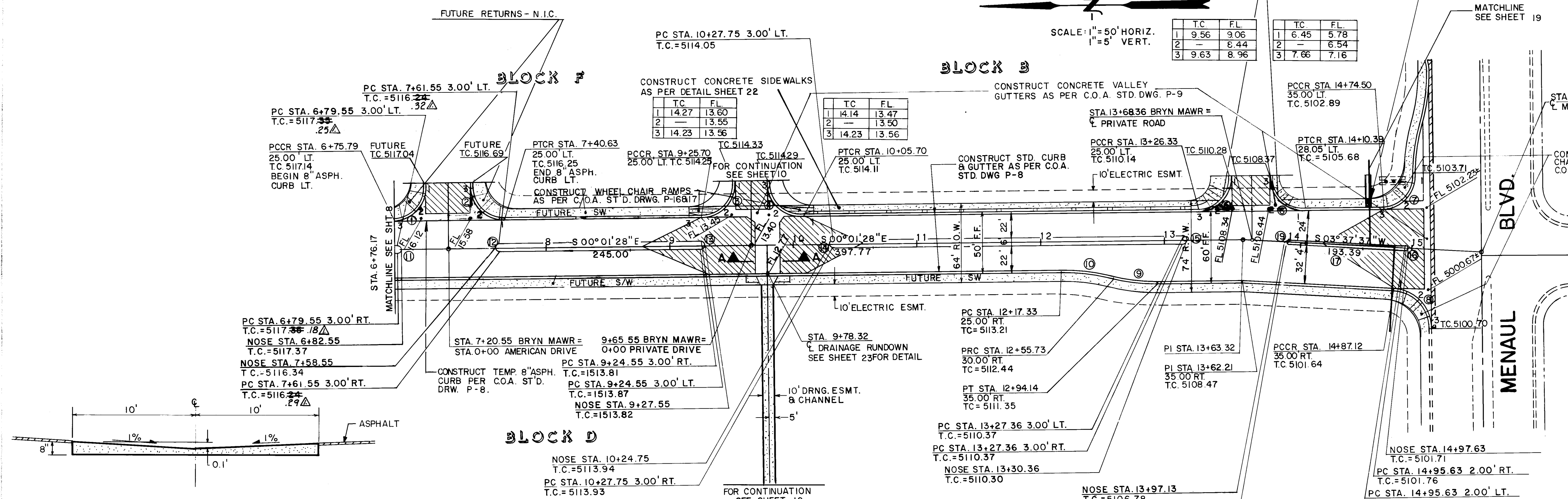
11/25/86
11/27/86
11/7/86
11/7/86

DRAWING NO. 3031 MAP NO. H-16 SHEET 6 OF 23



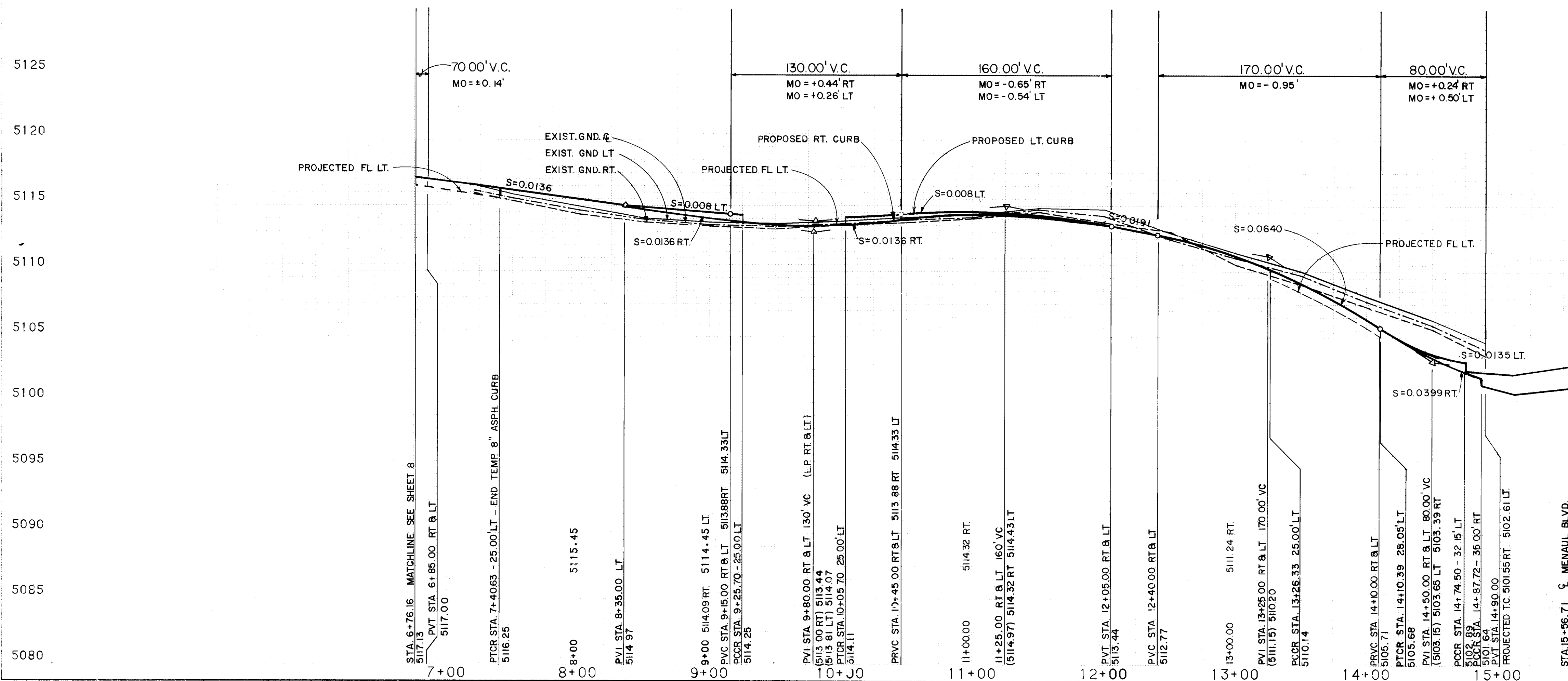
LEGEND

- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- PROPOSED SIDEWALK
- CENTERLINE OF STREET
- BOUNDARY LINE
- PROPOSED WHEEL CHAIR RAMP
- PROPOSED CONC. VALLEY GUTTER
- TRANSITION FROM CROWN TO NO CROWN



VALLEY GUTTER SECTION A-A
SCALE: 1/4"=1'-0"

BRYN MAWR DRIVE



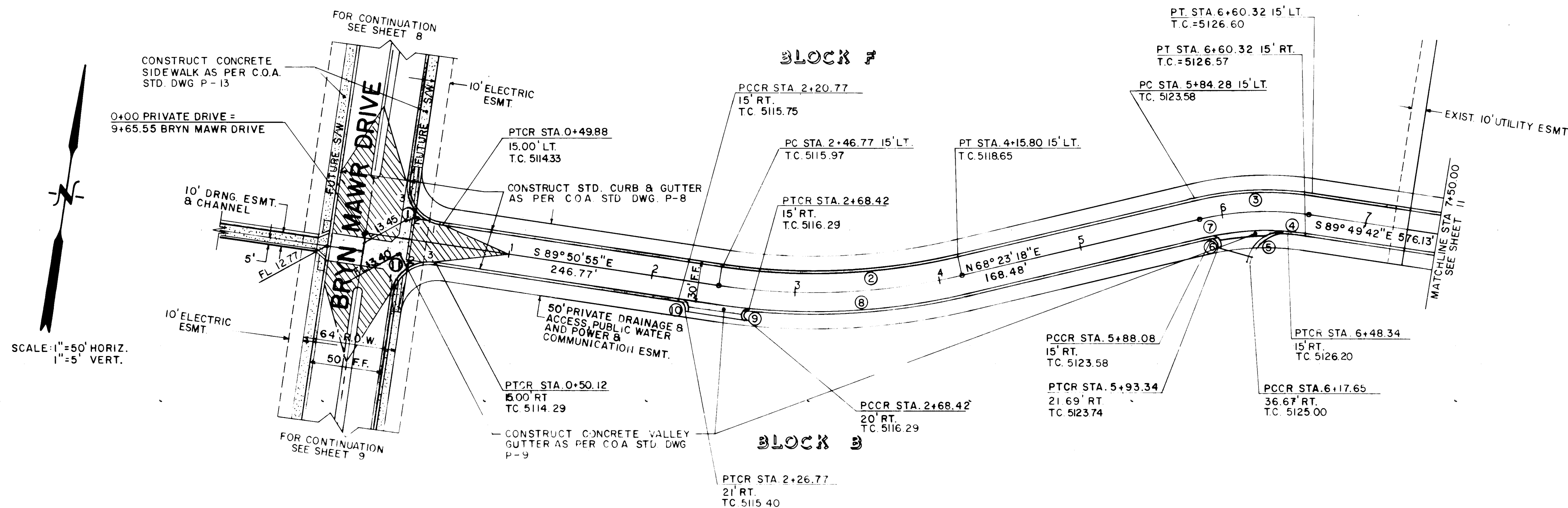
CURVE DATA				
STATION	DELTA	RADIUS	LENGTH	TAN
1	89° 43' 03"	25.00	39.15	24.88
2	90° 10' 33"	25.00	39.35	25.08
3	89° 49' 27"	25.00	39.15	24.92
4	90° 10' 33"	25.00	39.35	25.08
5	86° 28' 28"	25.00	37.73	23.51
6	87° 27' 13"	25.00	36.16	23.91
7	90° 00' 14"	25.00	39.27	25.00
8	86° 20' 41"	30.00	45.21	26.14
9	14° 50' 06"	150.00	38.84	19.53
10	14° 50' 06"	150.00	38.84	19.53
11	180° 00' 00"	3.00	9.42	---
12	180° 00' 00"	3.00	9.42	---
13	180° 00' 00"	3.00	9.42	---
14	180° 00' 00"	3.00	9.42	---
15	180° 00' 00"	3.00	9.42	---
16	180° 00' 00"	2.00	6.28	---
17	36° 52' 12"	25.00	16.09	8.33
18	81° 17' 07"	25.00	35.47	21.46
19	135° 35' 05"	4.00	9.47	9.80

- NOTES:
- ALL STATIONING BASED ON CENTERLINE OF RIGHT-OF-WAY.
 - THE FOLLOWING C.O.A. STANDARD DRAWINGS ARE TO BE USED: P-8, P-9, P-13 & P-17.

LEGEND	
	PROPOSED CURB & GUTTER
	PROPOSED CONCRETE VALLEY GUTTER
	PROPOSED CONCRETE SIDEWALK
	PROPOSED WHEELCHAIR RAMP
	PROPOSED SIDEWALK CULVERT
	PROPOSED 6' WIDE TEXTURED PEDESTRIAN CROSSING
	PROPOSED DRAINAGE CHANNEL W/SIDEWALK CULVERT
	EXISTING CURB & GUTTER
	EXISTING BILLBOARD TO BE REMOVED
	EXISTING SIGN TO BE REMOVED
	TRANSITION TO NO CROWN
	REMOVE & REPLACE PAVEMENT

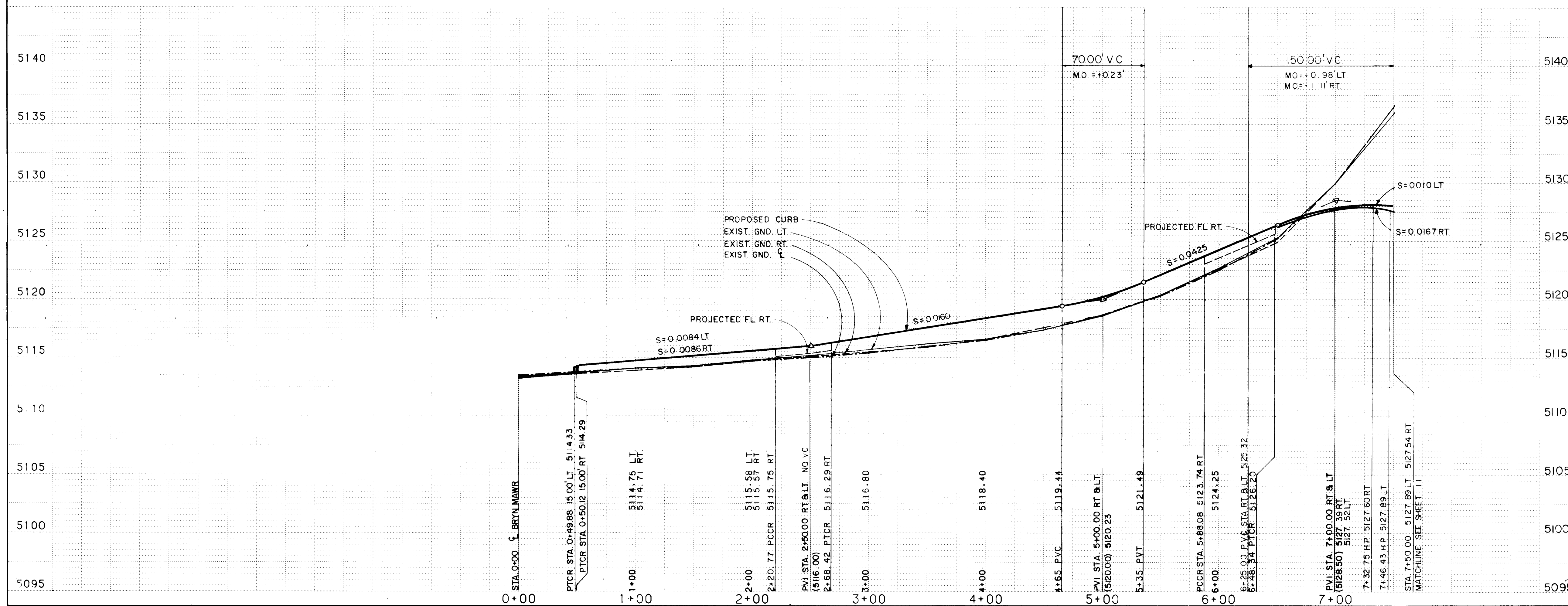
ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, NE SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: AMERICAN SQUARE - PHASE I BRYN MAWR DRIVE PAVING PLAN & PROFILE STA. 6+76.17 TO STA. 15+56.61					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/17/86	Traffic	<i>[Signature]</i>	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/17/86	Water	<i>[Signature]</i>	11/7/86
DESIGNED BY: DAL DATE: 8/86 DRAWN BY: ELS & SFB DATE: 8/86 CHECKED BY: DAL DATE: 8/86					
DRAWING NO.	3031	MAP NO.	H-16	SHEET	9 OF 23



NOT IN CONTRACT

PRIVATE DRIVE



DELTA	RADIUS	LENGTH	TAN
89°49'27"	25.00	39.19	24.92
21°45'47"	430.00	163.33	82.66
21°47'00"	215.00	81.74	41.37
03°25'57"	185.00	11.08	5.54
8°46'04"	25.00	37.86	23.63
69°30'19"	5.00	9.64	7.21
21°05'19"	185.00	3.51	1.76
14°58'33"	460.00	152.35	76.86
160°00'00"	2.50	7.85	-
90°00'00"	6.00	9.42	6.00
90°10'33"	25.00	39.25	25.08

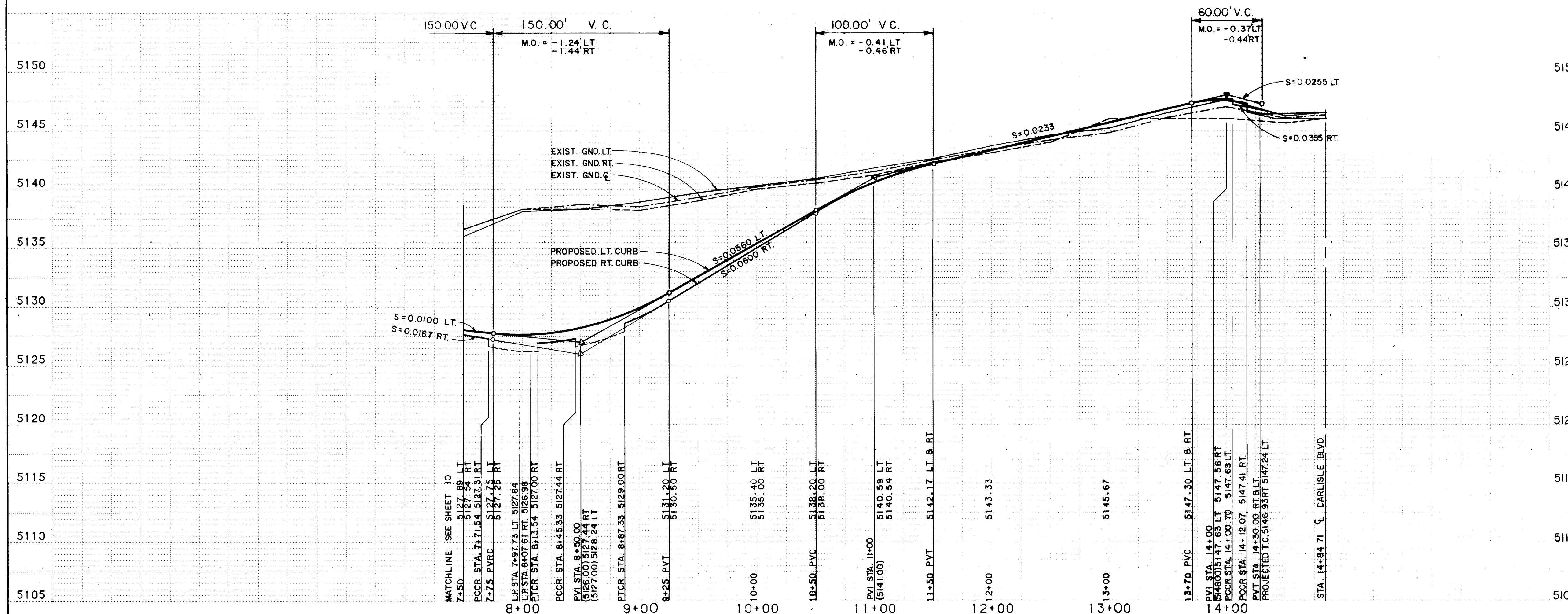
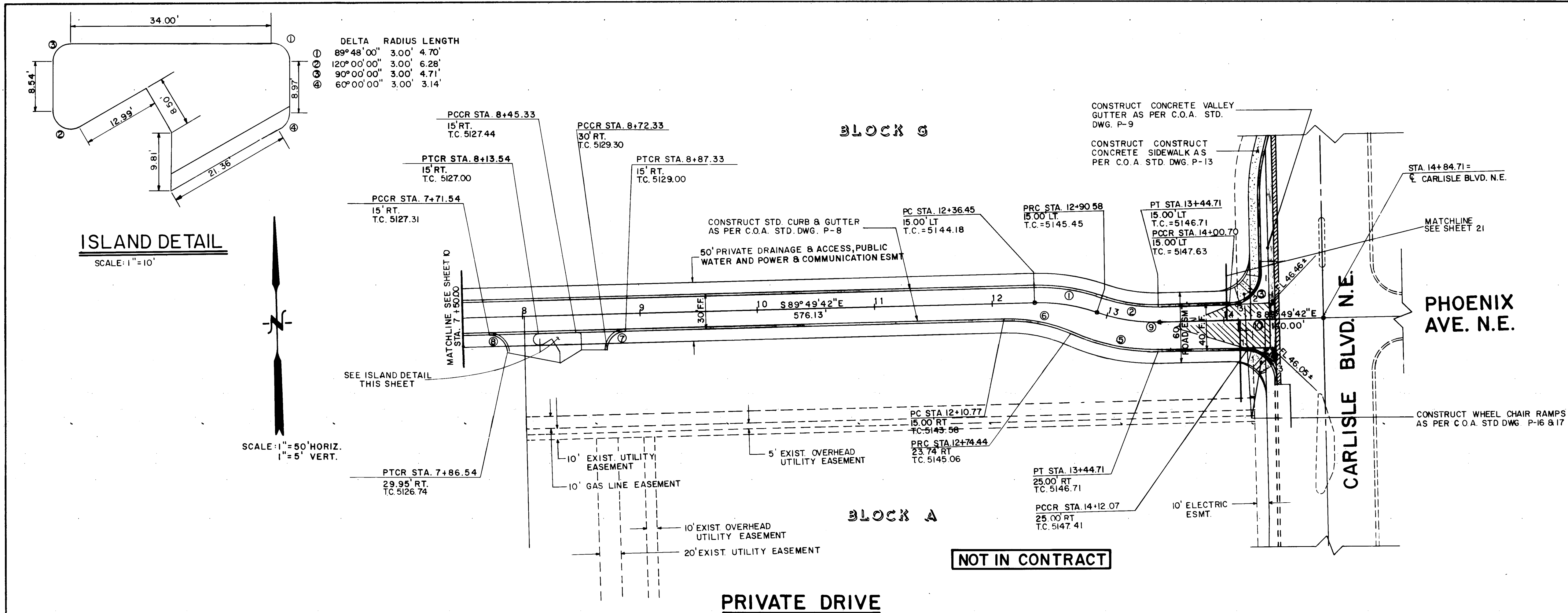
- NOTES:
- ALL STATIONING BASED ON CENTERLINE OF RIGHT-OF-WAY
 - THE FOLLOWING C.O.A. STANDARD DRAWINGS ARE TO BE USED: P-8, P-9, P-13 & P-17

LEGEND

- PROPOSED CURB & GUTTER
- PROPOSED CONCRETE VALLEY GUTTER
- PROPOSED CONCRETE SIDEWALK
- PROPOSED WHEELCHAIR RAMP
- PROPOSED SIDEWALK CULVERT
- PROPOSED 6' WIDE TEXTURED PEDESTRIAN CROSSING
- PROPOSED DRAINAGE CHANNEL W/ SIDEWALK CULVERT
- EXISTING CURB & GUTTER
- EXISTING BILLBOARD TO BE REMOVED
- EXISTING SIGN TO BE REMOVED
- TRANSITION TO NO CROWN

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: AMERICAN SQUARE - PHASE I PRIVATE DRIVE PAVING PLAN & PROFILE STA. 0+00.00 TO STA. 7+50.00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	WJW	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/25/86	Traffic	WJW	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/25/86	Water	WJW	11/7/86
DESIGNED BY D.A.L. DATE 8/86 DRAWN BY E.L.S. & S.F.B. DATE 8/86 CHECKED BY D.A.L. DATE 8/86					
DRAWING NO. 3031		MAP NO. H-16		SHEET 10 OF 23	



CURVE DATA

DELTA	RADIUS	LENGTH	TAN
20 40'40"	165.00	59.55	30.10
20 40'40"	135.00	48.72	24.63
89 49'22"	30.00	47.03	29.91
90 17'56"	30.00	47.28	30.16
25 07'21"	175.00	76.73	38.99
25 07'21"	135.00	59.19	30.08
90 00'00"	15.00	23.56	15.00
89 48'00"	15.00	23.51	14.95
180 00'00"	2.00	6.28	
180 00'00"	2.00	6.28	

NOTES:

- ALL STATIONING BASED ON CENTERLINE OF RIGHT-OF-WAY.
- THE FOLLOWING C.O.A. STANDARD DRAWINGS ARE TO BE USED: P-8, P-9, P-13 & P-17.

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

MARK	DATE

SURVEY INFORMATION

FIELD NOTES	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS

DESIGN

DESIGNED BY	DATE

DRAWN BY

DATE

CHECKED BY

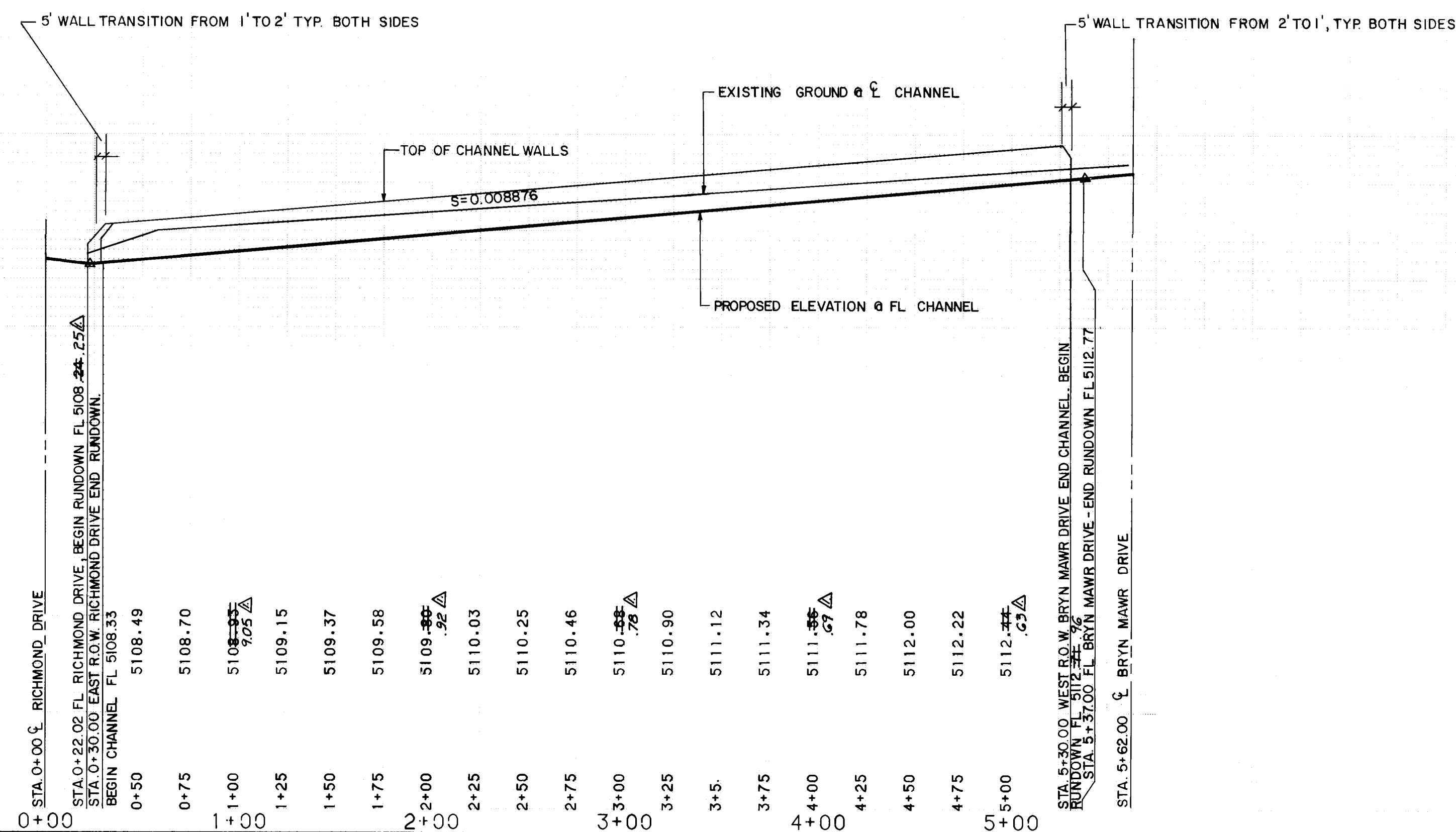
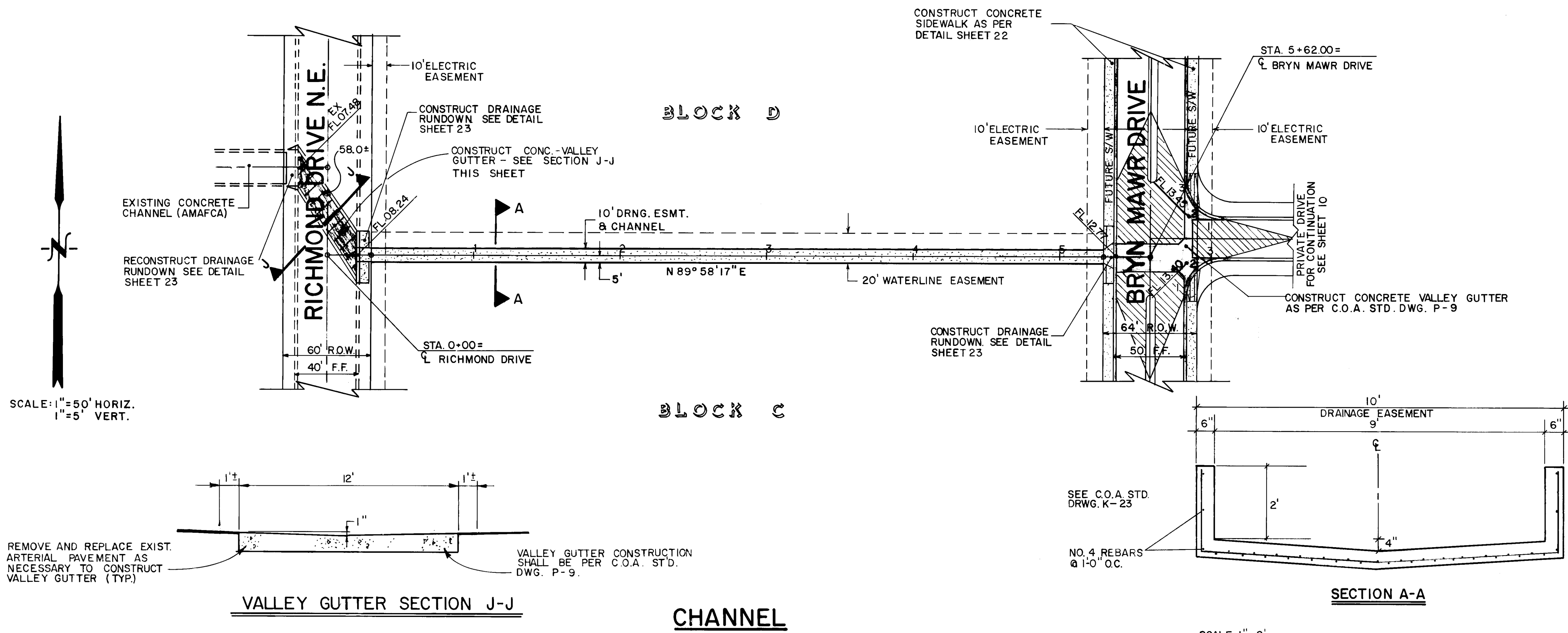
DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AMERICAN SQUARE - PHASE I
PRIVATE DRIVE PAVING PLAN & PROFILE
STA. 7+00 TO STA. 14+84.71

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		11/7/86
A.C.E. Design			Traffic		11/7/86
A.C.E. Hydrology			Water		11/7/86

DRAWING NO. 3031 **MAP NO.** H-16 **SHEET** 11 **OF** 23



NOTES:

- ALL STATIONING BASED ON CENTERLINE OF RIGHT-OF-WAY.
- THE FOLLOWING C.O.A. STANDARD DRAWINGS ARE TO BE USED: P-8, P-9, P-13 & P-17.

LEGEND

- PROPOSED CURB & GUTTER
- PROPOSED CONCRETE VALLEY GUTTER
- PROPOSED CONCRETE SIDEWALK
- PROPOSED WHEELCHAIR RAMP
- PROPOSED SIDEWALK CULVERT
- PROPOSED 6' WIDE TEXTURED PEDESTRIAN CROSSING
- PROPOSED DRAINAGE CHANNEL W/ SIDEWALK CULVERT
- EXISTING CURB & GUTTER
- EXISTING BILLBOARD TO BE REMOVED
- EXISTING SIGN TO BE REMOVED
- TRANSITION TO NO CROWN
- REMOVE & REPLACE PAVEMENT

26 3031.12.87

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

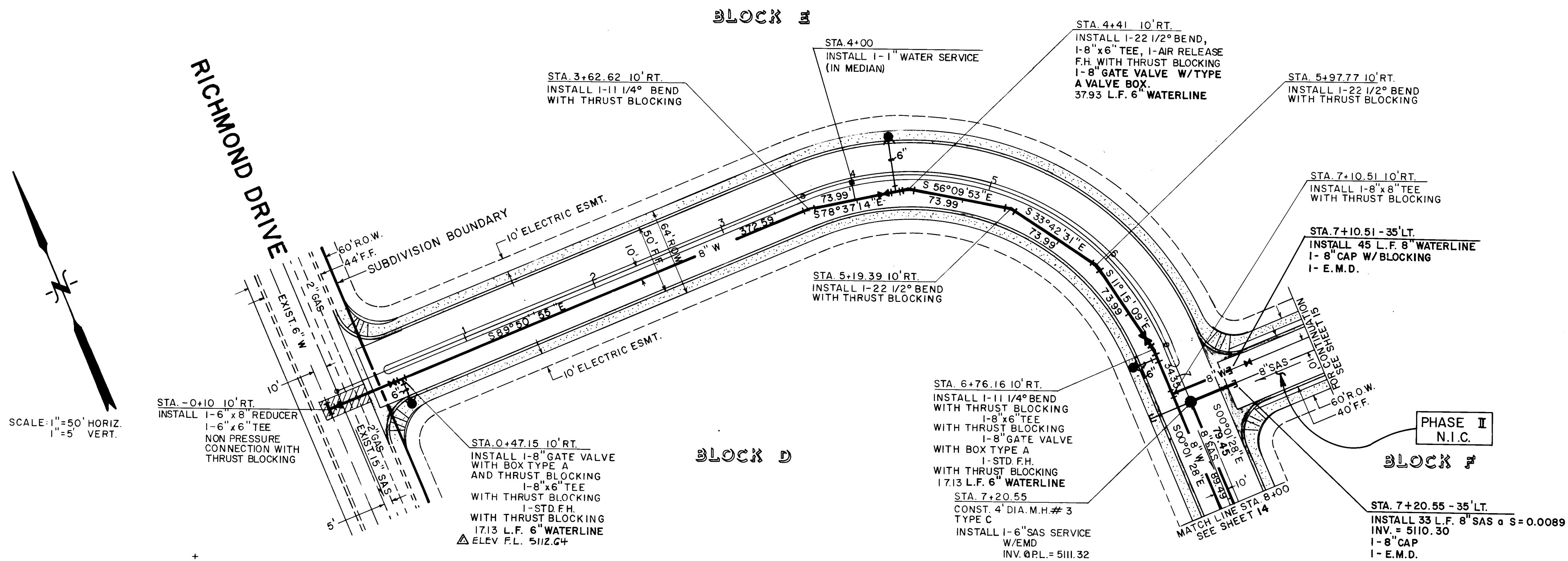
TITLE: AMERICAN SQUARE - PHASE I
CHANNEL PLAN & PROFILE
STA. 0+22.02 TO STA. 5+30.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/84	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/25/84	Traffic	<i>[Signature]</i>	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/25/84	Water	<i>[Signature]</i>	11/7/86

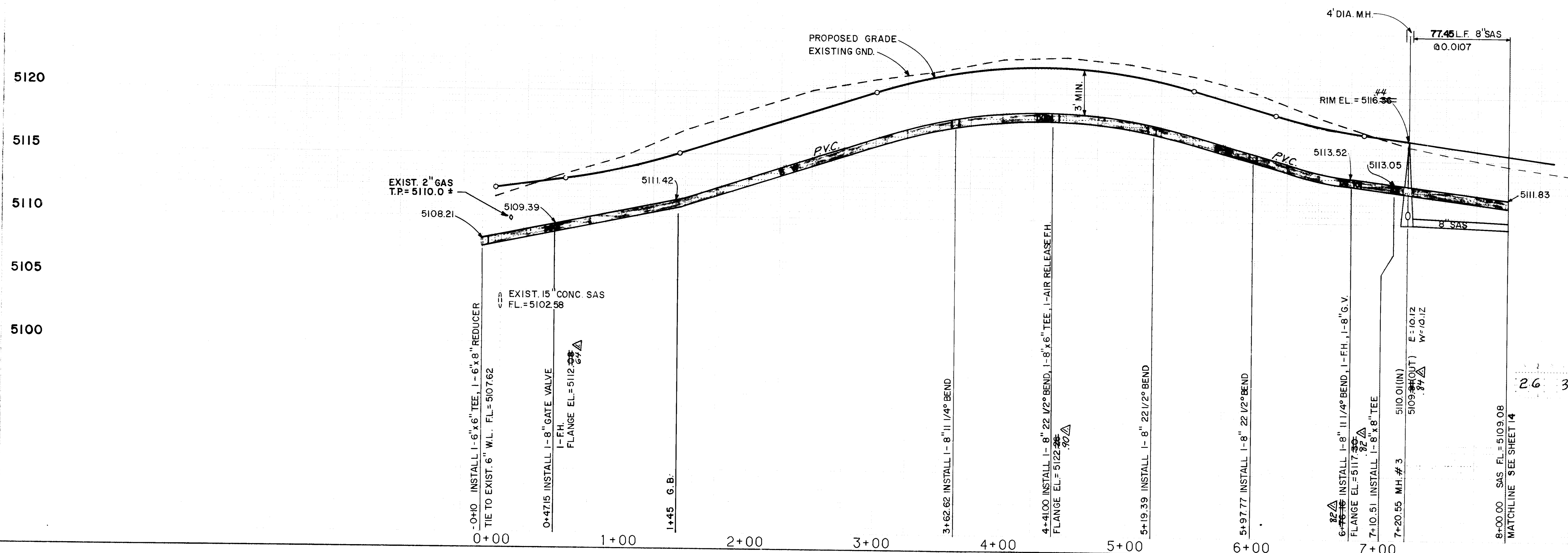
DRAWING NO. **3031** MAP NO. **H-16** SHEET **12** OF **23**

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES
The station is located 3.6 miles northwest of downtown Albuquerque at the intersection of Carlie Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Carlie Blvd., go north on Carlie 0.5 miles to Phoenix Ave. The station is located in the median of Carlie North of Phoenix Ave. The station mark is a standard A.C.S. from tablet stamped "G-H17A" set in a concrete and 0.2 feet above ground.	Universal City R. Garcia	NO	DATE
MICRO FILM INFORMATION			

REVISIONS	REMARKS	DESIGN	DATE
1	REVISION FROM AS-BUILT INFORMATION	BY	DATE
2	REVISION FROM AS-BUILT INFORMATION	BY	DATE
3	REVISION FROM AS-BUILT INFORMATION	BY	DATE
4	REVISION FROM AS-BUILT INFORMATION	BY	DATE
5	REVISION FROM AS-BUILT INFORMATION	BY	DATE
6	REVISION FROM AS-BUILT INFORMATION	BY	DATE
7	REVISION FROM AS-BUILT INFORMATION	BY	DATE
8	REVISION FROM AS-BUILT INFORMATION	BY	DATE
9	REVISION FROM AS-BUILT INFORMATION	BY	DATE
10	REVISION FROM AS-BUILT INFORMATION	BY	DATE



AMERICAN DRIVE



NOTES:

1. WATERLINE AND SANITARY SEWER STATIONING IS BASED ON 1/4 OF STREET.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES.
3. THE FOLLOWING C.O.A. STANDARD DRAWINGS APPLY:
W-1, W-2, W-4, W-7, W-8, W-11, W-15, W-18, W-20, W-22, W-23, S-1, S-3, S-5, S-6, S-9, and S-12.
4. ALL FIRE HYDRANTS SHALL BE 4' BURY

LEGEND

- LIMITS OF PAVEMENT REMOVAL & REPLACEMENT
- PROPOSED TEE
- PROPOSED CROSS
- PROPOSED 90° BEND
- PROPOSED 45° BEND
- PROPOSED 22 1/2° BEND
- PROPOSED 11 1/4° BEND
- PROPOSED REDUCER
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED MANHOLE
- PROPOSED WATERLINE
- PROPOSED SEWER
- EXISTING TEE
- EXISTING CROSS
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING CAP
- EXISTING MANHOLE
- EXISTING WATERLINE
- EXISTING SEWER
- EXISTING STORM DRAIN
- EXISTING GAS LINE
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED VALLEY GUTTER
- EXISTING CURB & GUTTER
- TRANSITION TO NO CROWN

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE: (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AMERICAN SQUARE - PHASE I
AMERICAN DR. UTILITY PLAN & PROFILE
STA: 0+10.00 TO STA: 8+00.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. Design	<i>[Signature]</i>	11/11/86	Traffic	<i>[Signature]</i>	11/5/86
A.C.E. Hydrology	<i>[Signature]</i>	11/11/86	Water	<i>[Signature]</i>	11/7/86

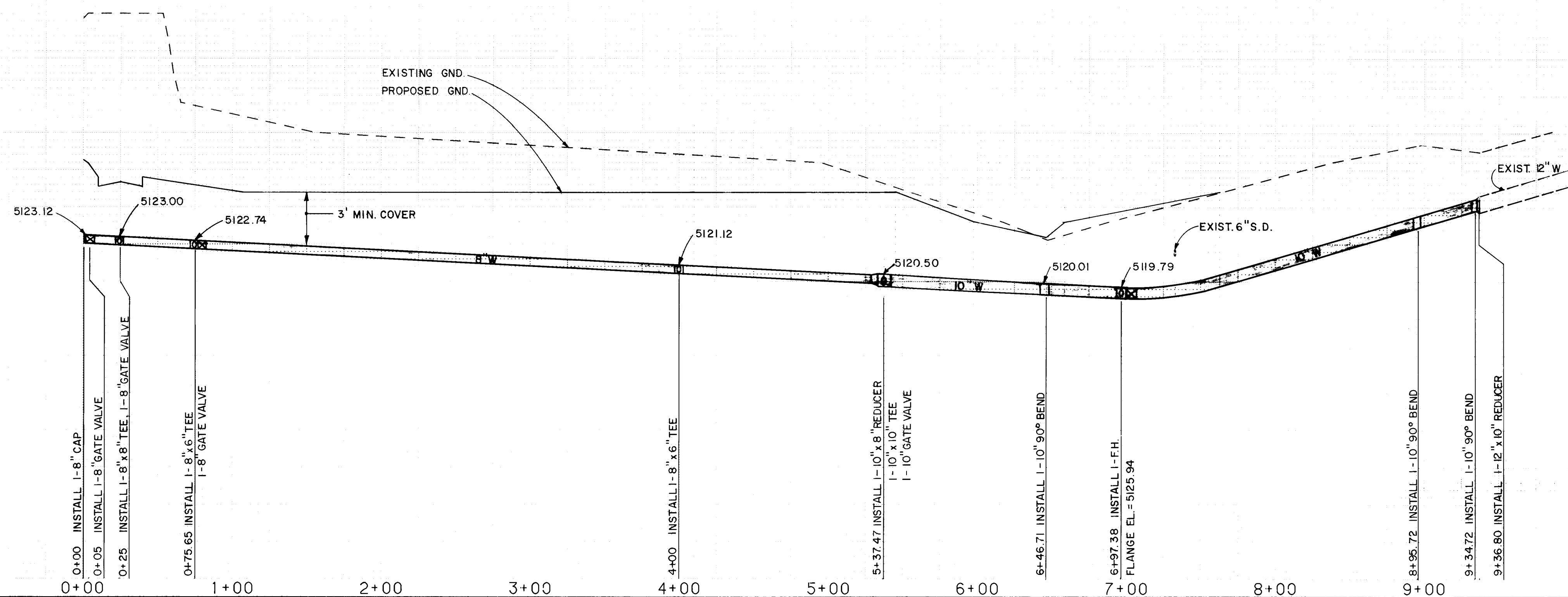
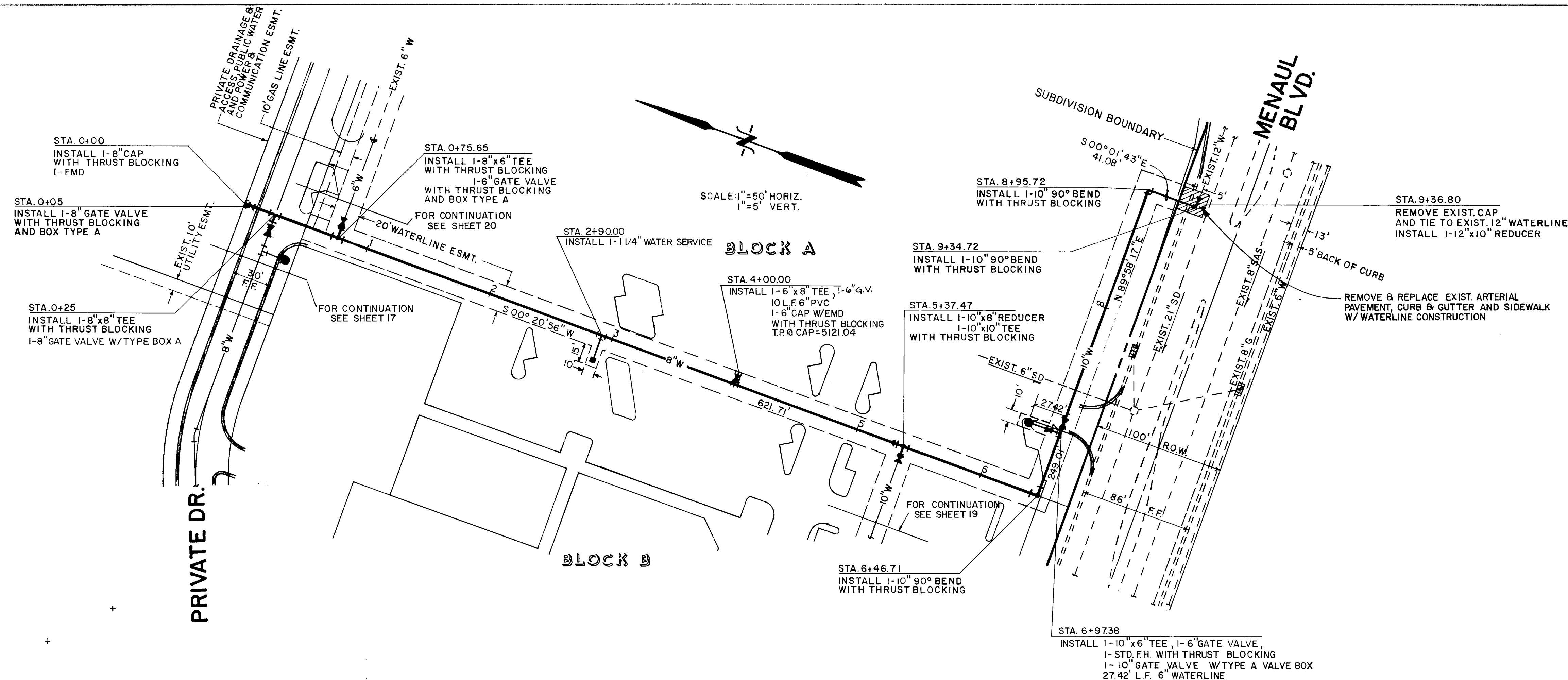
DRAWING NO. **3031** MAP NO. **H-16** SHEET **13** OF **23**

AS BUILT INFORMATION
Universal City
R. CARMA
7-2-87
M.C.R.O. FILM INFORMATION
The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Carlisle Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Carlisle Blvd., go north on Carlisle 0.5 miles to Phoenix Ave. The station is located in the median of Carlisle North of Phoenix Ave. The station mark is a standard A.C.S. brass label stamped "6-HITA" set in a concrete pad 0.2 feet above ground.
MSLD ELEV 5148.74

SURVEY INFORMATION
NO. 1
DATE 11/11/86
BY [Signature]

ENGINEER'S SEAL
10-29-86
[Signature]

REVISIONS	DATE	BY
DESIGN	11/7/86	[Signature]
DATE	11/7/86	DATE
DATE	11/7/86	DATE
DATE	11/7/86	DATE



NOTES:

1. WATERLINE STATIONING IS BASED ON C. OF WATERLINE.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES.
3. THE FOLLOWING C.O.A. STANDARD DRAWINGS APPLY:
W-1, W-2, W-4, W-7, W-8, W-11, W-15, W-18,
W-20, W-22, W-23, S-1, S-3, S-5, S-6, S-9,
and S-12.
4. ALL FIRE HYDRANTS SHALL BE 4' BURY.

LEGEND

- PROPOSED TEE
- PROPOSED CROSS
- PROPOSED 90° BEND
- PROPOSED 45° BEND
- PROPOSED 22 1/2° BEND
- PROPOSED 11 1/4° BEND
- PROPOSED REDUCER
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED MANHOLE
- PROPOSED WATERLINE
- PROPOSED SEWER
- EXISTING TEE
- EXISTING CROSS
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING CAP
- EXISTING MANHOLE
- EXISTING WATERLINE
- EXISTING SEWER
- EXISTING STORM DRAIN
- EXISTING GAS LINE
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED VALLEY GUTTER
- EXISTING CURB & GUTTER

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD NE SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

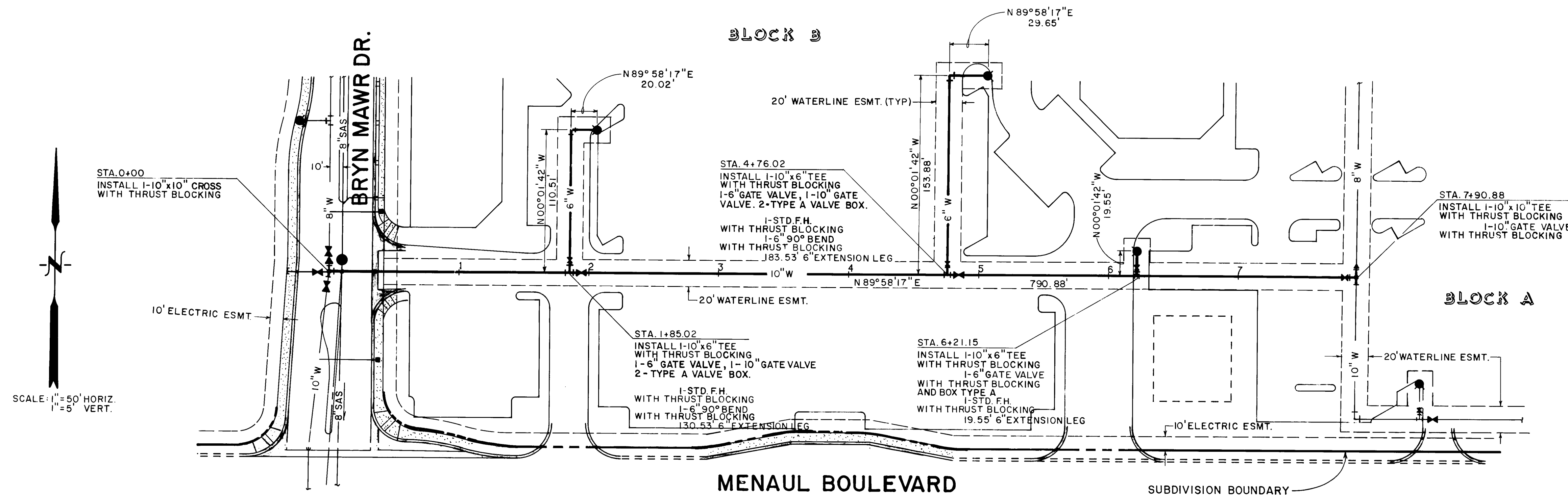
TITLE: AMERICAN SQUARE - PHASE I
UTILITY PLAN & PROFILE
STA. 0+00.00 TO STA. 9+36.80

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/25/86	Water	<i>[Signature]</i>	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/25/86			

DRAWING NO.	3031	MAP NO.	H-16	SHEET	16	OF	23
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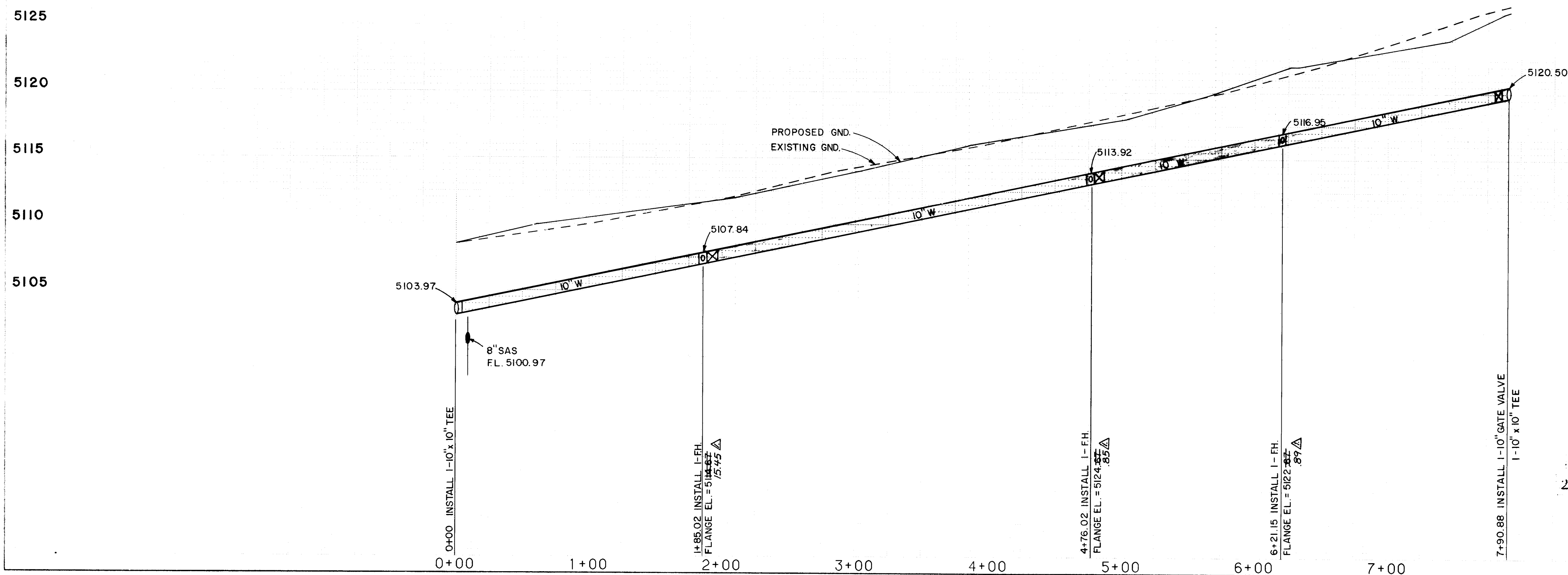
AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES
The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Carlie Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Carlie Blvd., go north on Carlie 0.5 miles to Phoenix Ave. The station is located in the median of Carlie North of Phoenix Ave. The station mark is a standard A.C.S. brass tablet stamped "547A" set in a concrete post 0.2 feet above ground.	Universal City R. Garcia 11/24/87	DATE	NO.

ENGINEER'S SEAL	REVISIONS
<i>[Signature]</i>	DESIGN
	NO.
	DATE
	BY
	REMARKS
	DESIGNED BY
	DRAWN BY
	CHECKED BY
	DATE
	DATE
	DATE



SCALE: 1"=50' HORIZ.
1"=5' VERT.

10" FIRELINE



NOTES:

1. WATERLINE STATIONING IS BASED ON $\frac{1}{4}$ OF WATERLINE.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES.
3. THE FOLLOWING C.O.A. STANDARD DRAWINGS APPLY:
W-1, W-2, W-4, W-7, W-8, W-11, W-15, W-18, W-20, W-22, W-23, S-1, S-3, S-5, S-6, S-9, and S-12.
4. ALL FIRE HYDRANTS SHALL BE 4' BURY.

LEGEND

- PROPOSED TEE
- PROPOSED CROSS
- PROPOSED 90° BEND
- PROPOSED 45° BEND
- PROPOSED 22 1/2° BEND
- PROPOSED 11 1/4° BEND
- PROPOSED REDUCER
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED MANHOLE
- PROPOSED WATERLINE
- PROPOSED SEWER
- EXISTING TEE
- EXISTING CROSS
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING CAP
- EXISTING MANHOLE
- EXISTING WATERLINE
- EXISTING SEWER
- EXISTING STORM DRAIN
- EXISTING GAS LINE
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- EXISTING CURB & GUTTER

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4901 INDIAN SCHOOL ROAD, N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1623

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AMERICAN SQUARE-PHASE I
10" FIRELINE PLAN & PROFILE
STA 0+00.00 TO STA. 7+90.88

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. Design	<i>[Signature]</i>	11/26	Traffic	<i>[Signature]</i>	11/7/86
A.C.E. Hydrology	<i>[Signature]</i>		Water	<i>[Signature]</i>	11/7/86

DRAWING NO. 3031 MAP NO. H-16 SHEET 17 OF 23

AS BUILT INFORMATION

BENCH MARKS

ENGINEER'S SEAL

REVISIONS

NO. DATE

REMARKS

DESIGN

DESIGNED BY D.A.L. DATE 8/86

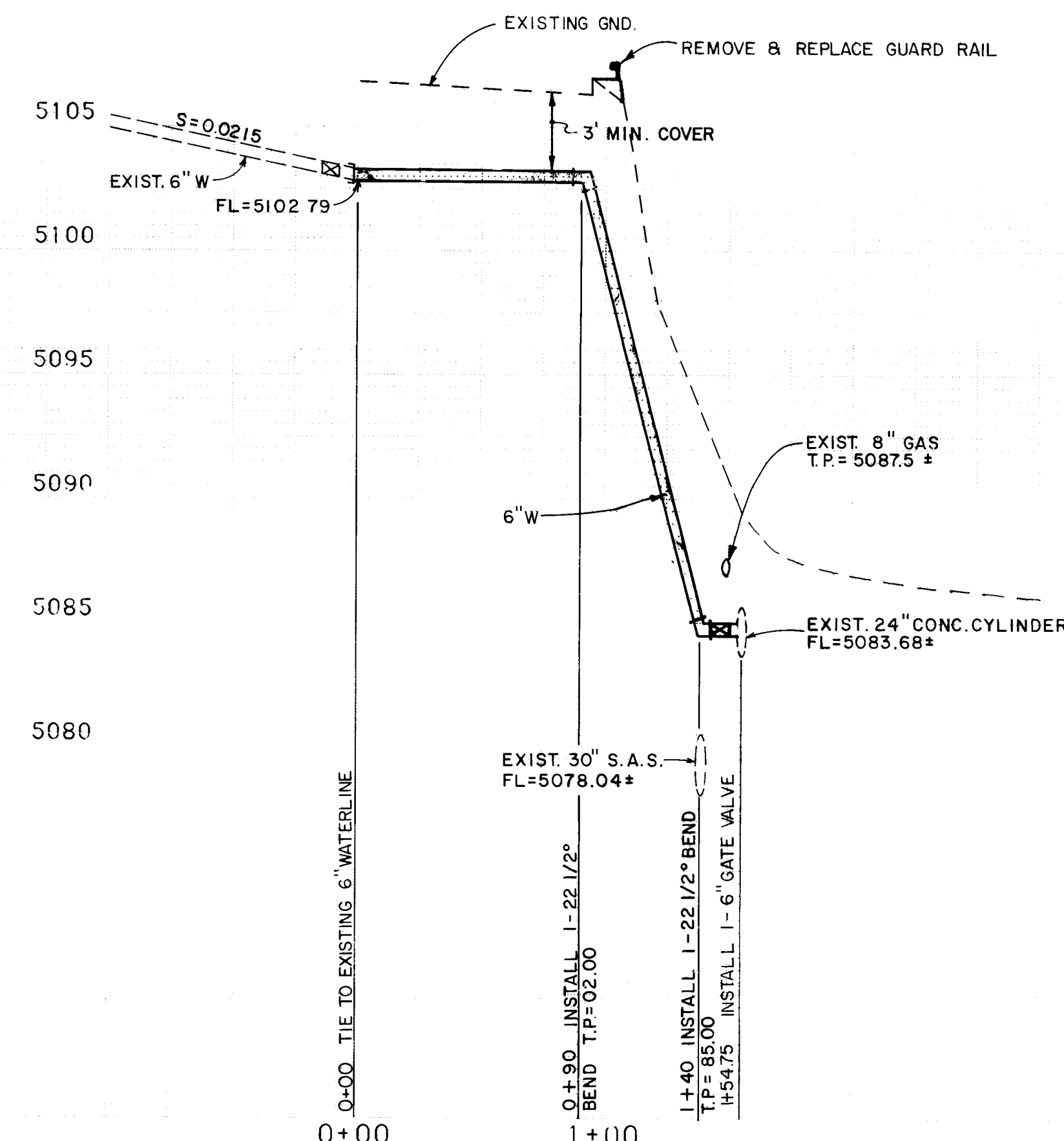
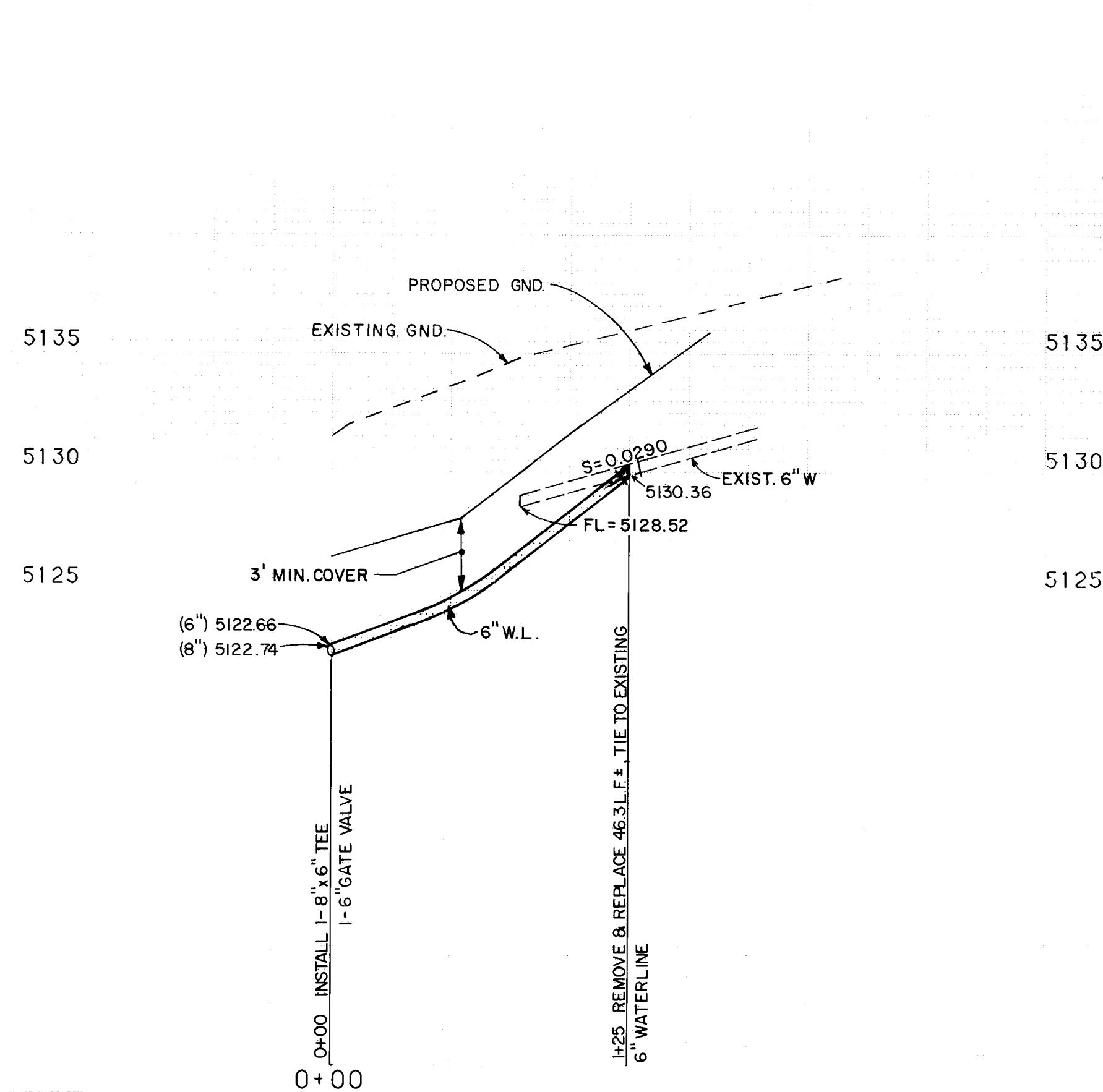
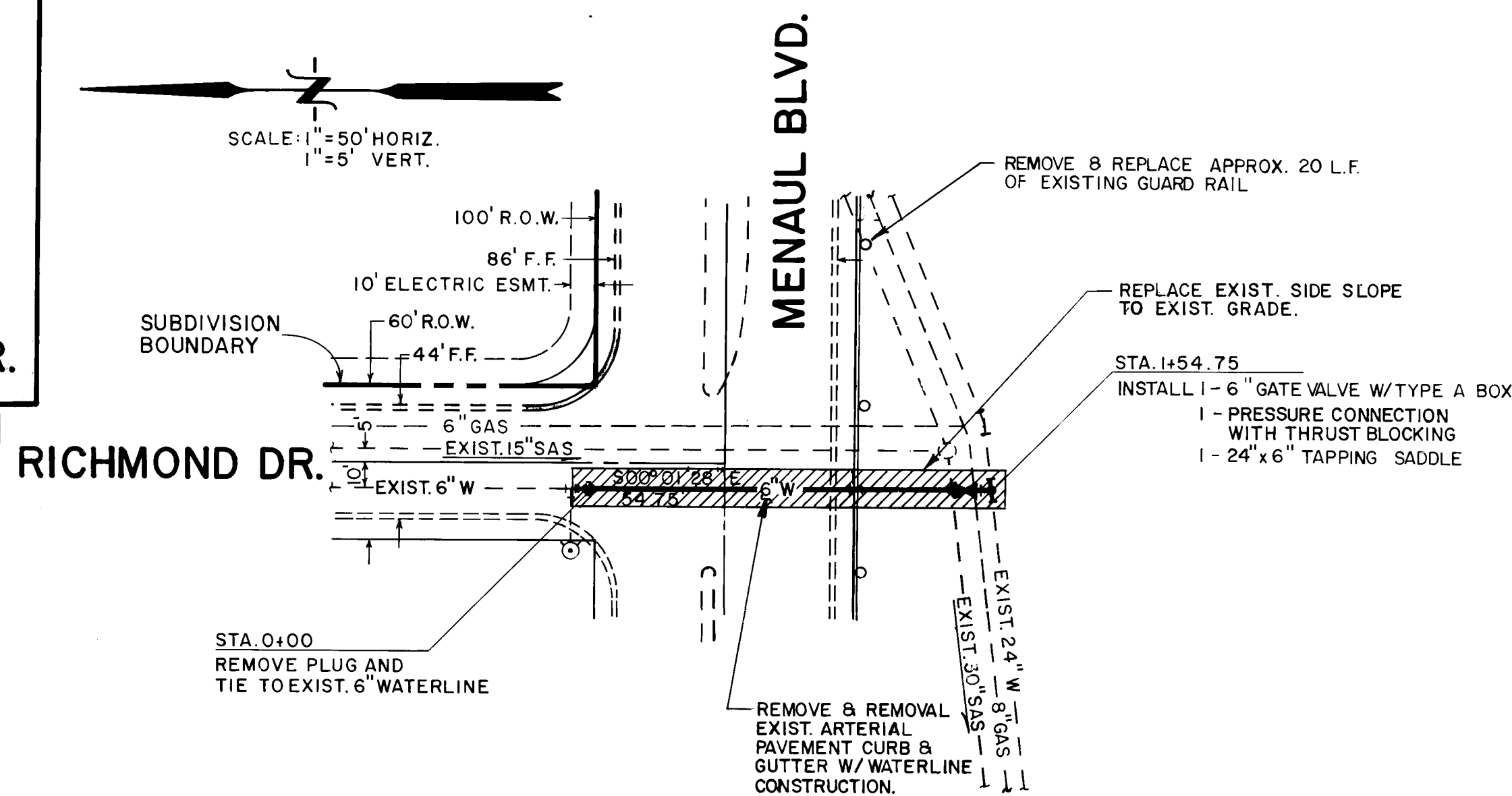
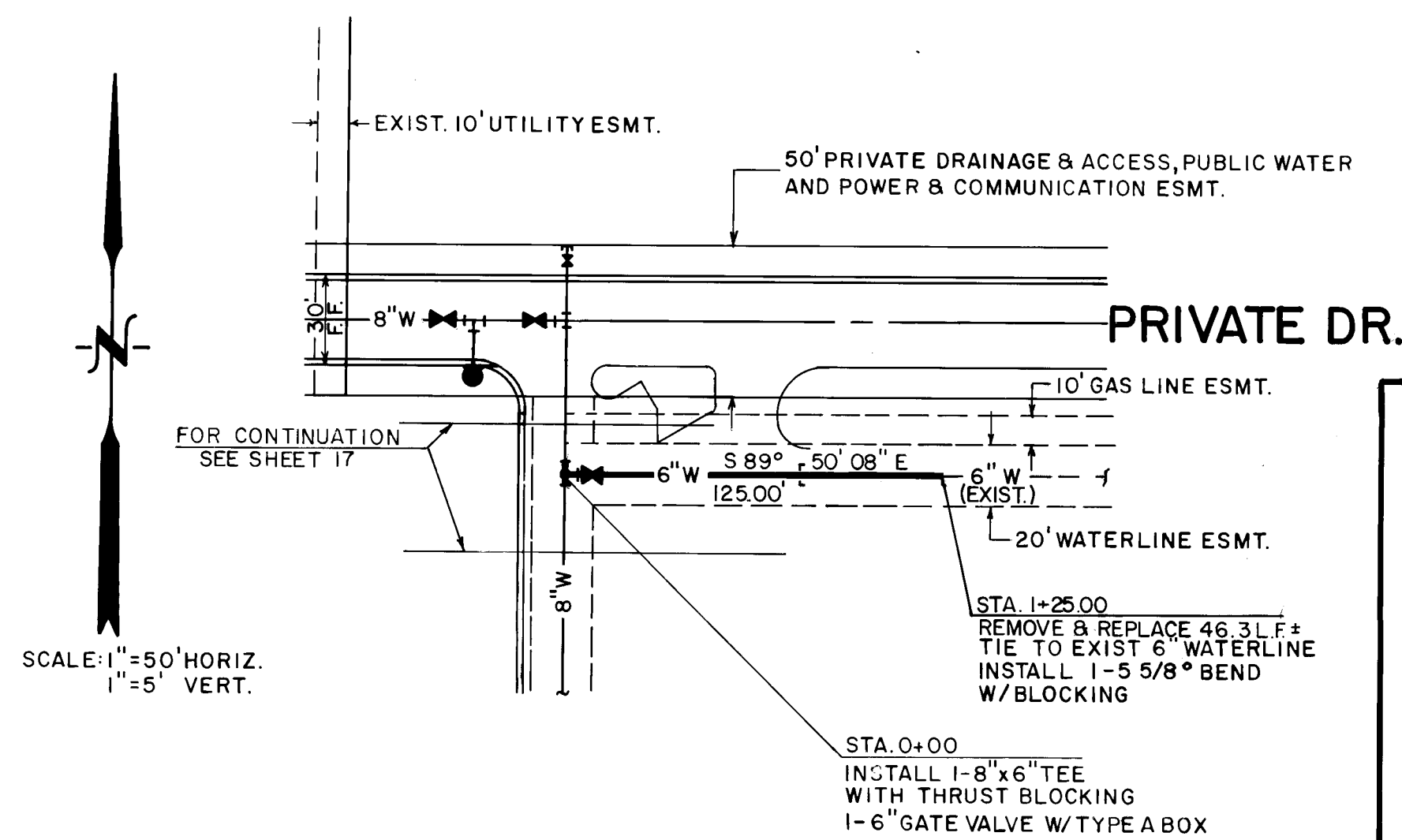
DRAWN BY SFB & E.L.S. DATE 8/86

CHECKED BY D.A.L. DATE 8/86

DATE 10-27-86

THE STATION IS LOCATED 3.8 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF CARLISLE BLVD AND PHOENIX AVE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND CARLISLE BLVD, GO NORTH ON CARLISLE 0.5 MILES TO PHOENIX AVE. THE STATION IS LOCATED AT THE MEDIAN OF CARLISLE NORTH OF PHOENIX AVE. THE STATION MARK IS A STANDARD A.C.S. BRASS TABLE STAMPED "6-H17A" SET IN A CONCRETE PAD 0.2 FEET ABOVE GROUND.

MSLD ELEV 5148.74



NOTES:

1. WATERLINE STATIONING IS BASED ON C. OF WATERLINE.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES.
3. THE FOLLOWING C.O.A. STANDARD DRAWINGS APPLY:
W-1, W-2, W-4, W-7, W-8, W-11, W-15, W-18, W-20, W-22, W-23, S-1, S-3, S-5, S-6, S-9, and S-12.
4. ALL FIRE HYDRANTS SHALL BE 4' BURY.

LEGEND

- PROPOSED TEE
- PROPOSED CROSS
- PROPOSED 90° BEND
- PROPOSED 45° BEND
- PROPOSED 22 1/2° BEND
- PROPOSED 11 1/4° BEND
- PROPOSED REDUCER
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED MANHOLE
- PROPOSED WATERLINE
- PROPOSED SEWER
- EXISTING TEE
- EXISTING CROSS
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
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- EXISTING WATERLINE
- EXISTING SEWER
- EXISTING STORM DRAIN
- EXISTING GAS LINE
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED VALLEY GUTTER
- EXISTING CURB & GUTTER

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD, N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

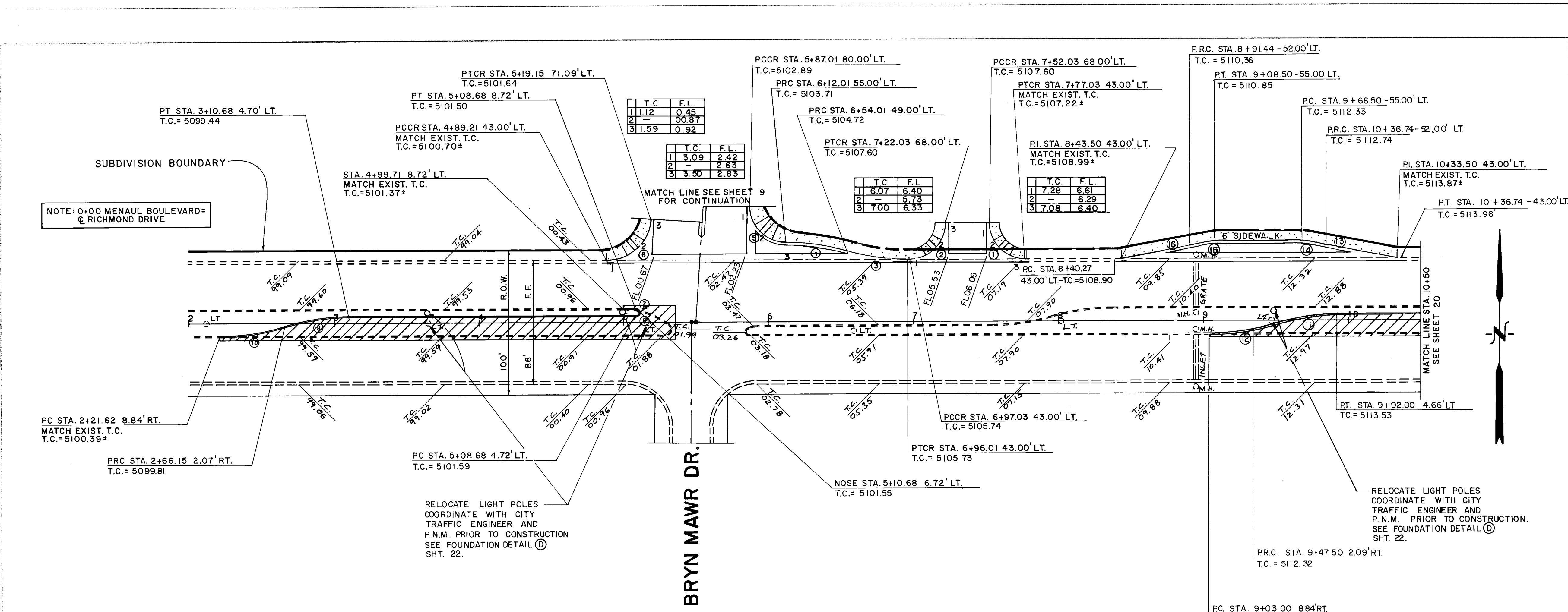
TITLE: AMERICAN SQUARE PHASE I
UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/84	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/25/84	Traffic	<i>[Signature]</i>	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/25/84	Water	<i>[Signature]</i>	11/7/86

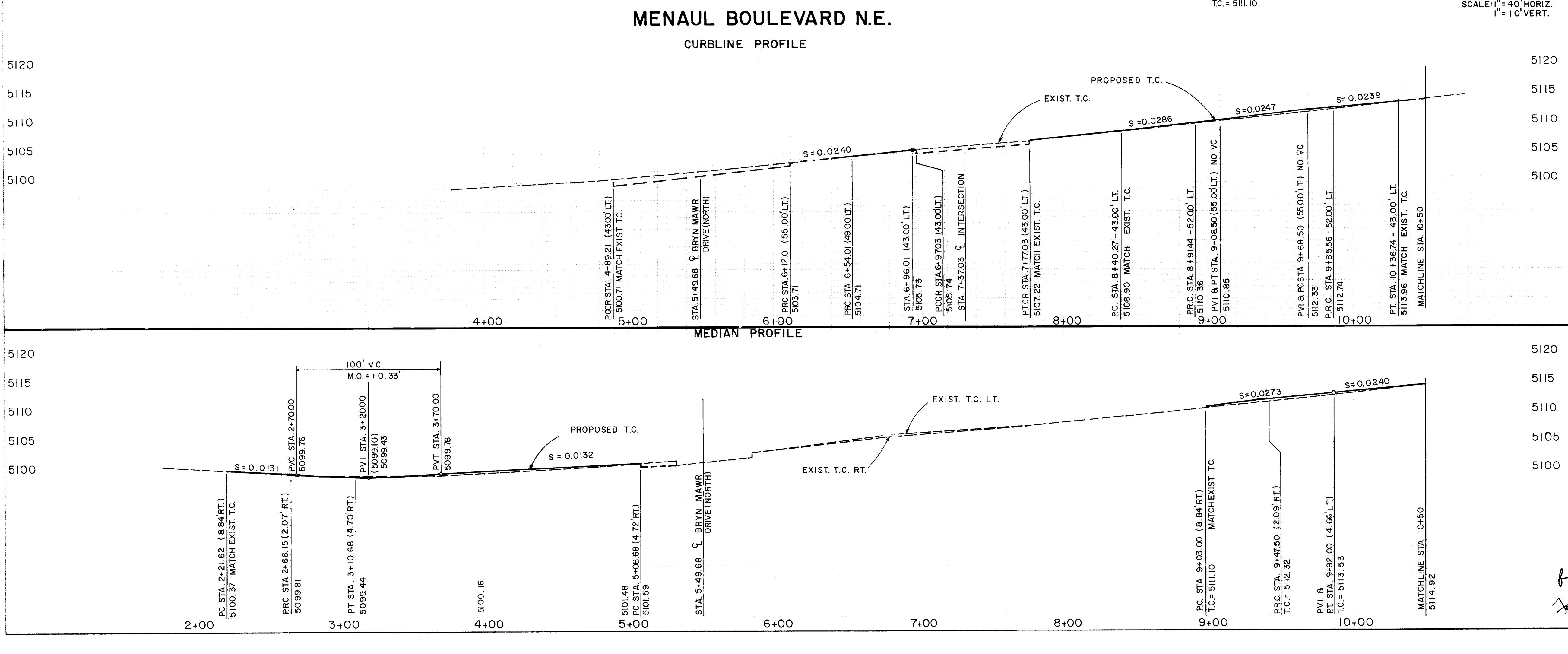
DRAWING NO. 3031 MAP NO. H-16 SHEET 18 OF 23

AS BUILT INFORMATION	
BENCH MARKS	Universal City
The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Corralle Blvd. and Phoenix Ave. To reach the station from the intersection of I-40 and Corralle Blvd., go north on Corralle 0.5 miles to Phoenix Ave. The station mark is a standard A.C.S. brass label stamped "6-HIT" and in a concrete post 0.2 feet above ground.	
MSD ELEV 5148.74	
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY
ENGINEER'S SEAL	
BY	
REVISIONS	
NO.	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	

[Signature]
10-29-86



CURVE DATA			
DELTA	RADIUS	LENGTH	TAN
90°00'00"	25.00	39.27	25.00
90°00'00"	25.00	39.27	25.00
16°15'37"	150.00	42.57	21.43
16°15'37"	150.00	42.57	21.43
90°00'00"	25.00	39.27	25.00
86°20'41"	30.00	45.21	28.14
90°00'00"	2.00	3.14	2.00
90°00'00"	2.00	3.14	2.00
17°16'18"	150.00	45.22	22.78
17°16'18"	150.00	45.21	22.78
17°15'18"	150.00	45.17	22.76
17°15'36"	150.00	45.19	22.77
19°56'54"	150.00	52.22	26.38
19°56'54"	50.00	17.41	8.79
19°56'54"	50.00	17.41	8.79
19°56'54"	150.00	52.22	26.38



CURVE DATA			
DELTA	RADIUS	LENGTH	TAN
90°00'00"	25.00	39.27	25.00
90°00'00"	25.00	39.27	25.00
16°15'37"	150.00	42.57	21.43
16°15'37"	150.00	42.57	21.43
90°00'00"	25.00	39.27	25.00
86°20'41"	30.00	45.21	28.14
90°00'00"	2.00	3.14	2.00
90°00'00"	2.00	3.14	2.00
17°16'18"	150.00	45.22	22.78
17°16'18"	150.00	45.21	22.78
17°15'18"	150.00	45.17	22.76
17°15'36"	150.00	45.19	22.77
19°56'54"	150.00	52.22	26.38
19°56'54"	50.00	17.41	8.79
19°56'54"	50.00	17.41	8.79
19°56'54"	150.00	52.22	26.38

LEGEND

- PROPOSED CONCRETE VALLEY GUTTERS
- PROPOSED CURB & GUTTER
- PROPOSED MEDIAN CURB & GUTTER
- PROPOSED SIDEWALK
- EXISTING CURB & GUTTER
- EXISTING MEDIAN CURB & GUTTER
- EXISTING TOP OF CURB ELEVATION
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING FIRE HYDRANT
- EXISTING MANHOLE
- PAVING TO BE REMOVED & REPLACED

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD NE SUITE 204
ALBUQUERQUE, NEW MEXICO 87113
PHONE (505) 255-1623

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: AMERICAN SQUARE - PHASE I MENAUL BLVD. MEDIAN RECONSTRUCTION STA. 2 + 21.62 TO STA. 10 + 50.00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	ACE-Design	11/25/86	Liquid Waste
ACE-Design	ACE-Hydrology	11/25/86	Water
DATE	DATE	DATE	DATE
11/25/86	11/25/86	11/25/86	11/25/86

AS BUILT INFORMATION

Universal City

The station is located 3.8 miles northeast of downtown Albuquerque at the intersection of Corralle Blvd and Phoenix Ave. To reach the station from the intersection of I-40 and Corralle Blvd, go north on Corralle 0.5 miles to Phoenix Ave. The station is located at the median of Corralle North of Phoenix Ave. The station front is a standard A.C.S. cross table stamped "6-H17A" set in a concrete pad 0.2 feet above ground.

NO. 19

DATE 10-29-86

REVISIONS

NO.	DATE	REMARKS
1	10/29/86	DESIGN

DAL. 8/86

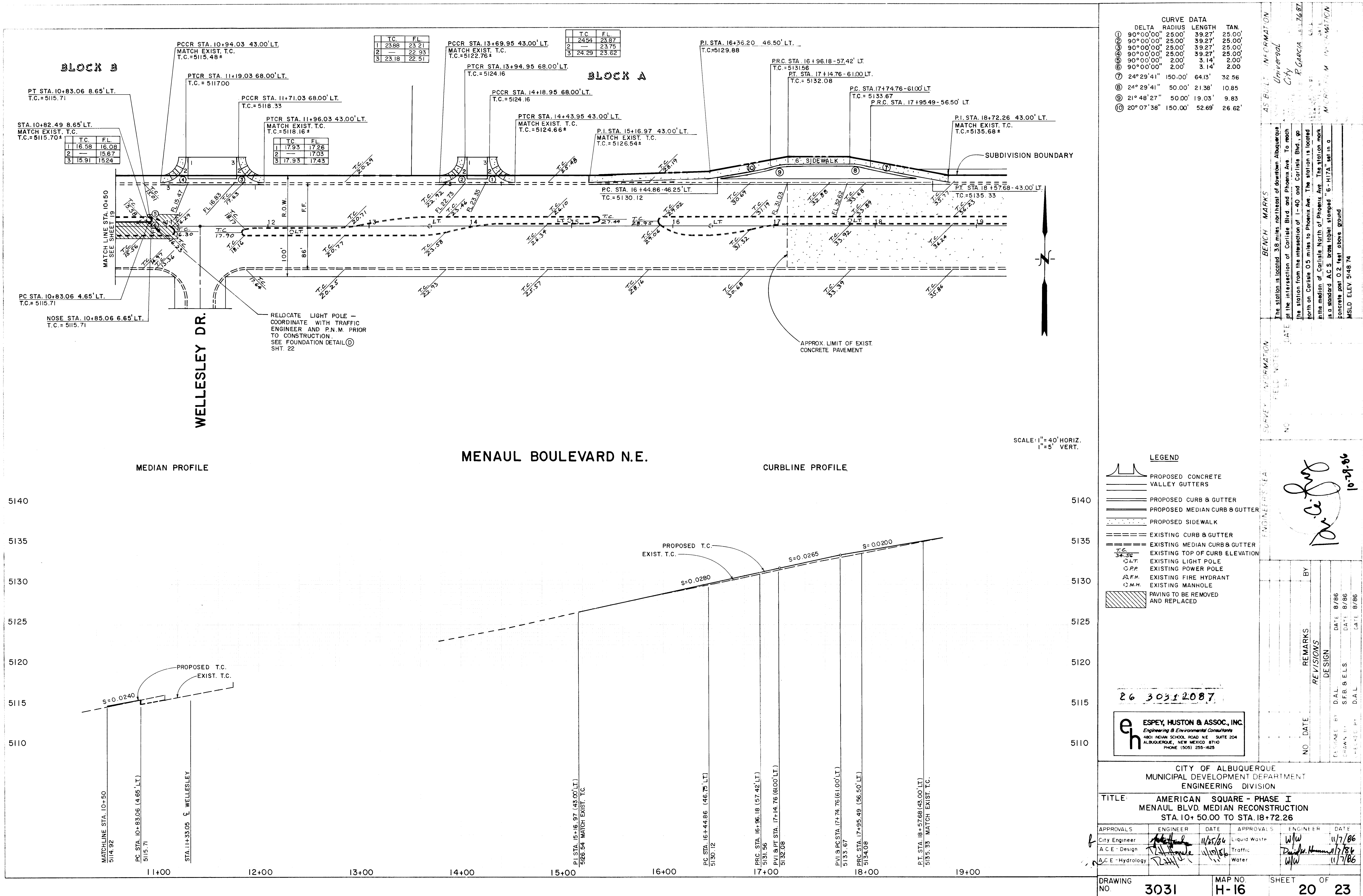
SFB & ELS. 8/86

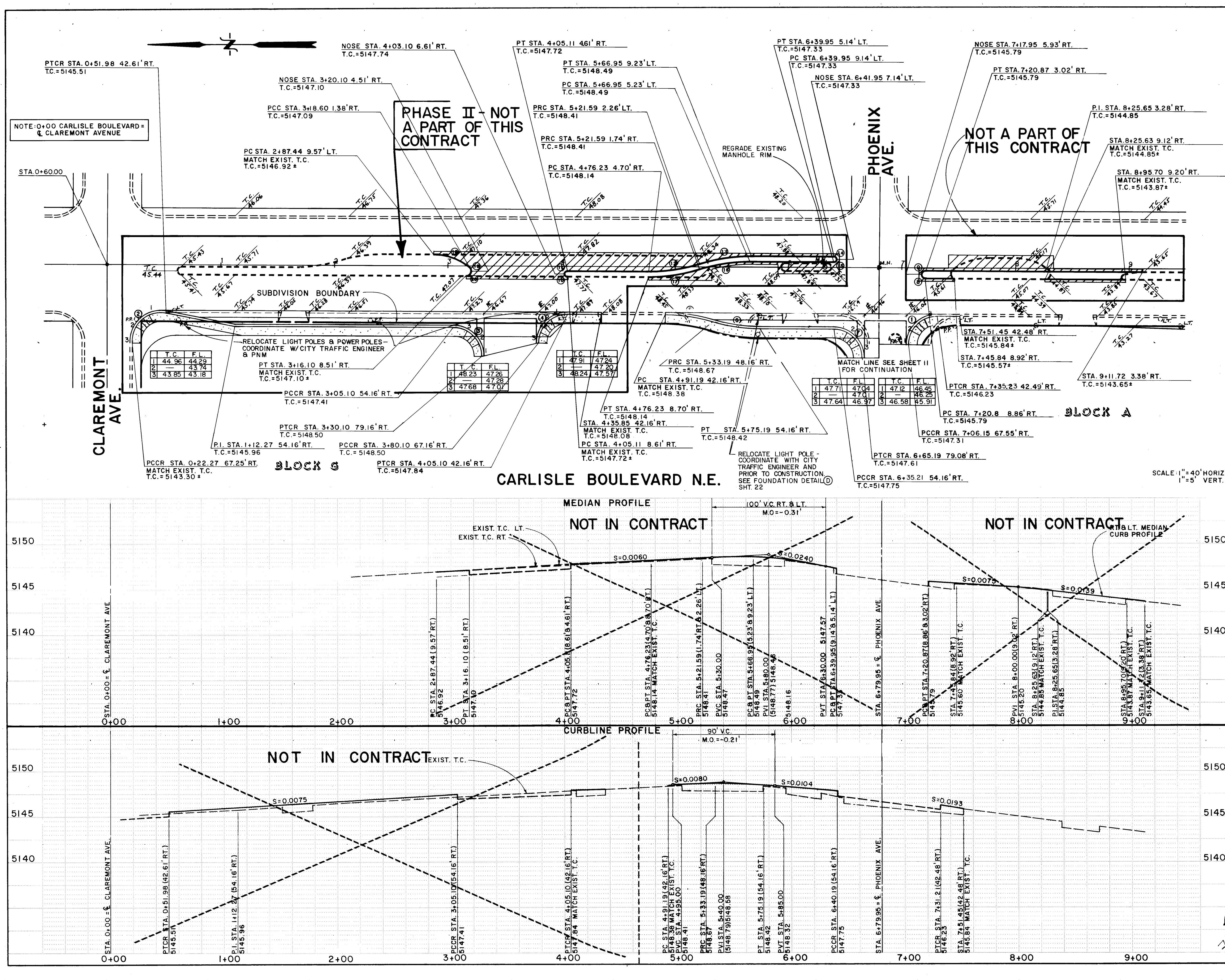
DAL. 8/86

DRAWING NO. 3031

MAP NO. H-16

SHEET 19 OF 23





CURVE DATA

STATION	DELTA	RADIUS	LENGTH	TAN.
1	90°17'56"	30.00'	47.28'	30.16'
2	101°02'41"	25.00'	44.09'	30.35'
3	90°00'00"	25.00'	39.27'	25.00'
4	90°00'00"	25.00'	39.27'	25.00'
5	16°15'37"	150.00'	42.57'	21.43'
6	16°15'37"	150.00'	42.57'	21.43'
7	89°49'22"	30.00'	47.03'	29.91'
8	90°00'00"	2.92'	4.58'	2.92'
9	90°00'00"	2.92'	4.58'	2.92'
10	90°00'00"	2.00'	3.14'	2.00'
11	90°00'00"	2.00'	3.14'	2.00'
12	17°35'55"	150.00'	46.07'	23.22'
13	17°35'55"	150.00'	46.07'	23.22'
14	90°00'00"	2.00'	3.14'	2.00'
15	90°00'00"	2.00'	3.14'	2.00'
16	17°35'55"	150.00'	46.07'	23.22'
17	17°35'55"	150.00'	46.07'	23.22'
18	38°34'33"	50.00'	33.66'	17.50'
19	51°25'29"	4.00'	3.59'	1.93'
20	90°00'00"	4.00'	6.28'	4.00'

LEGEND

- PROPOSED CONCRETE VALLEY GUTTERS
- PROPOSED CURB & GUTTER
- PROPOSED MEDIAN CURB & GUTTER
- PROPOSED SIDEWALK
- EXISTING CURB & GUTTER
- EXISTING MEDIAN CURB & GUTTER
- EXISTING TOP OF CURB ELEVATION
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING FIRE HYDRANT
- EXISTING MANHOLE
- PAVING TO BE REMOVED & REPLACED

AS BUILT INFORMATION

CONTRACTOR: Universal City

DATE: 10-29-86

REVISIONS

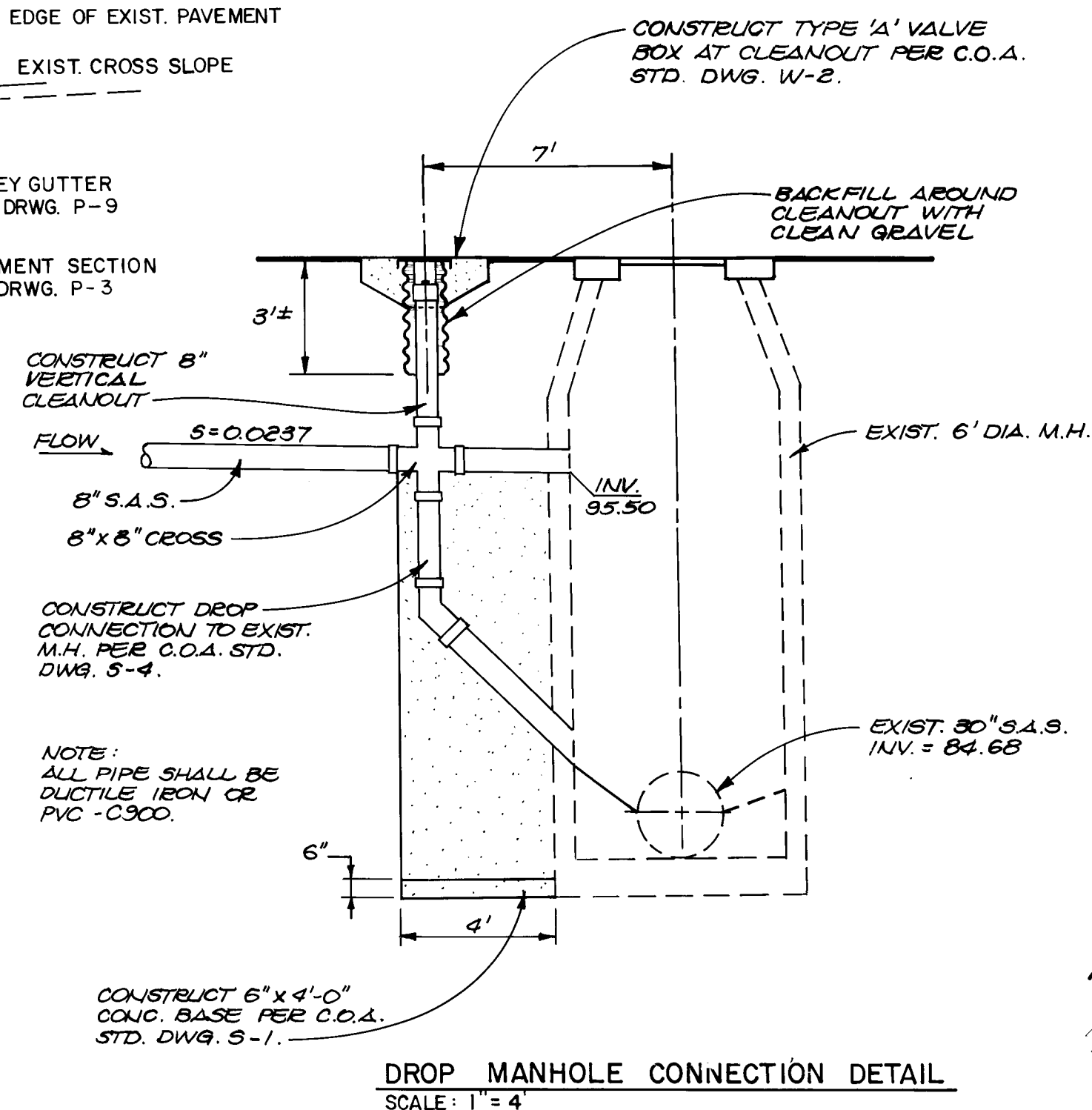
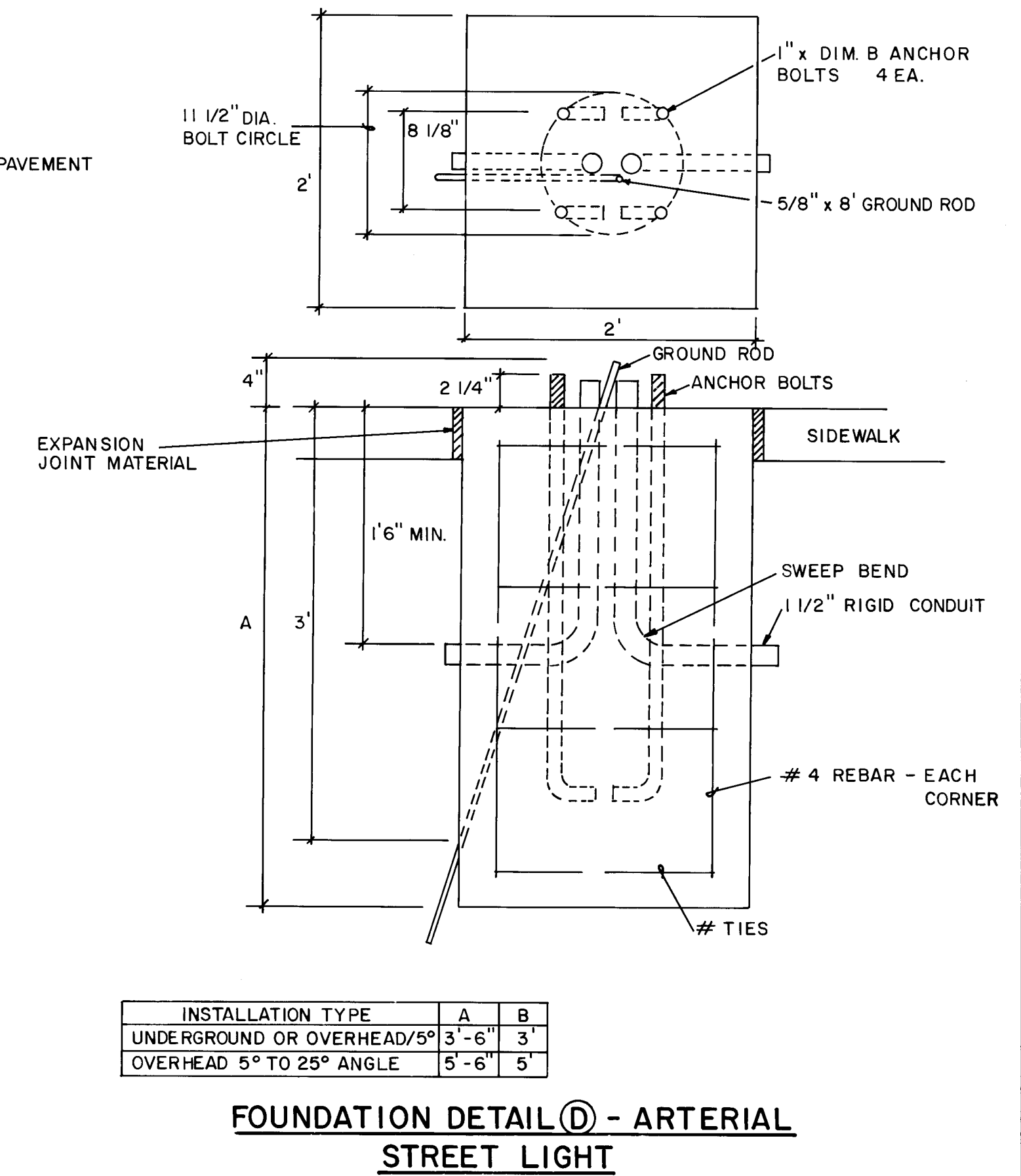
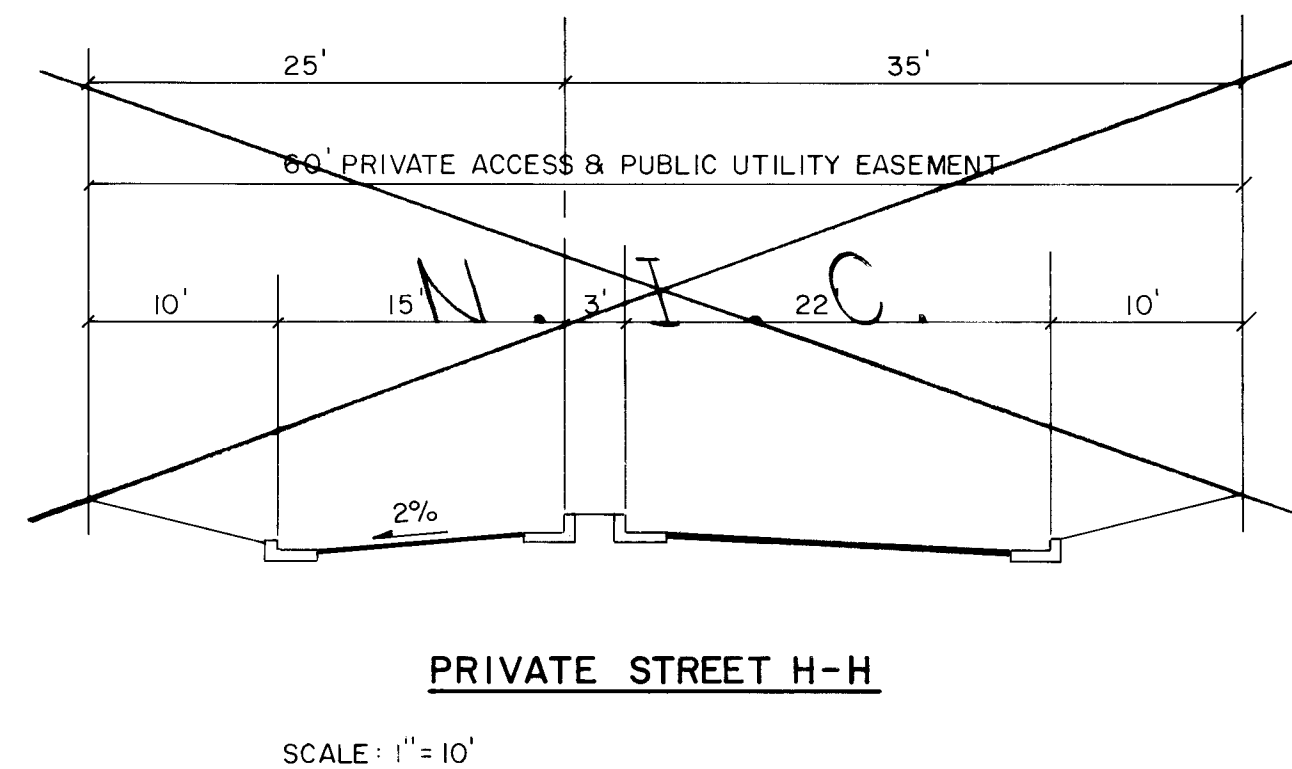
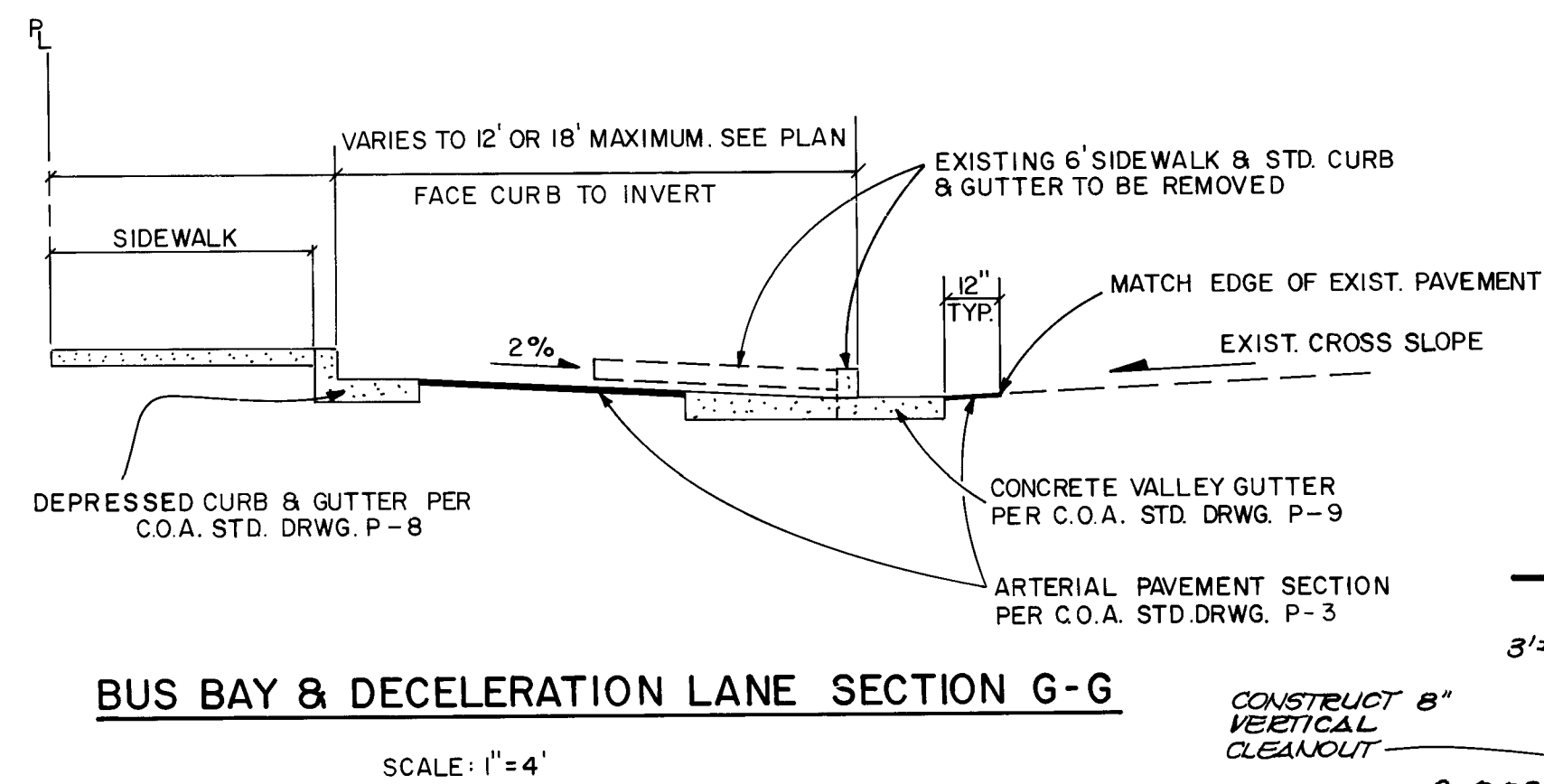
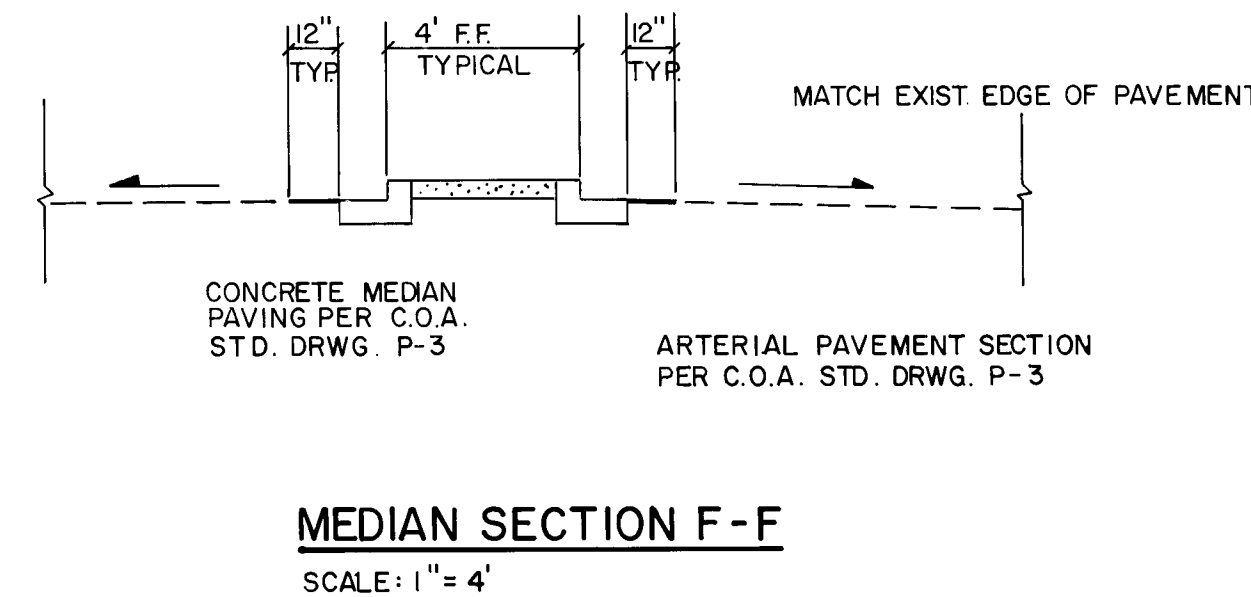
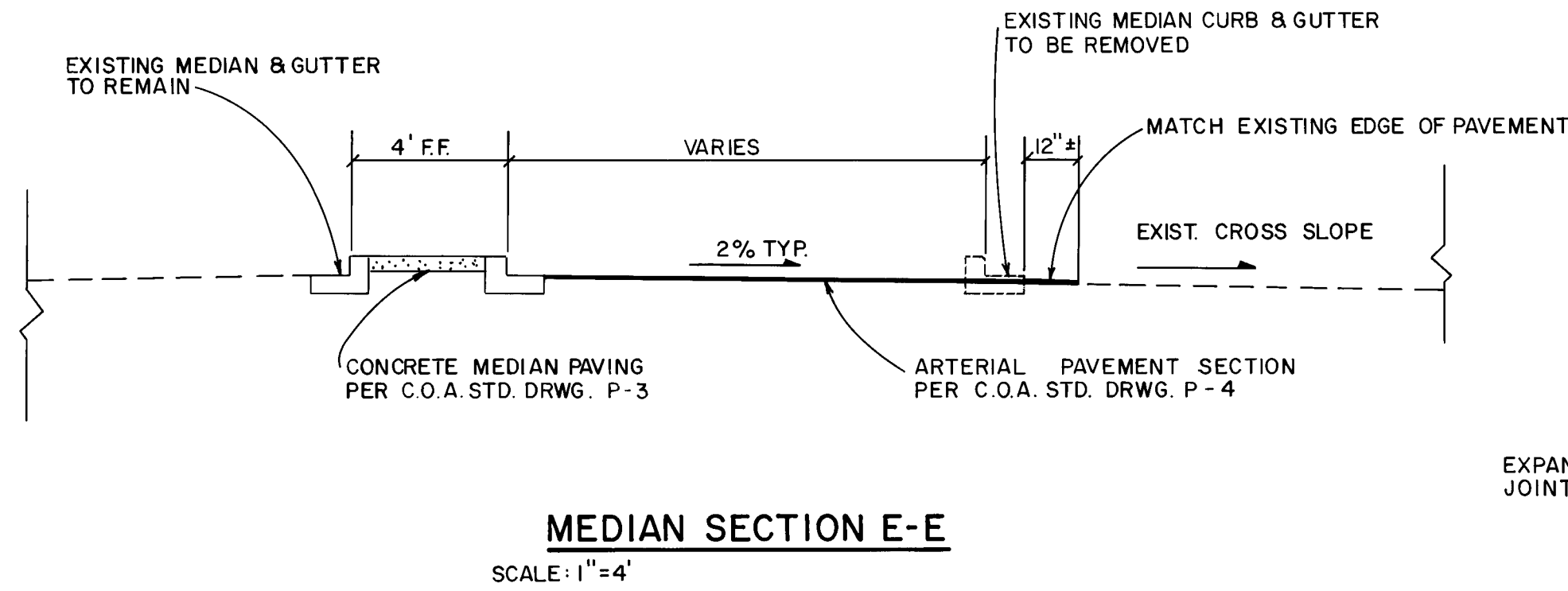
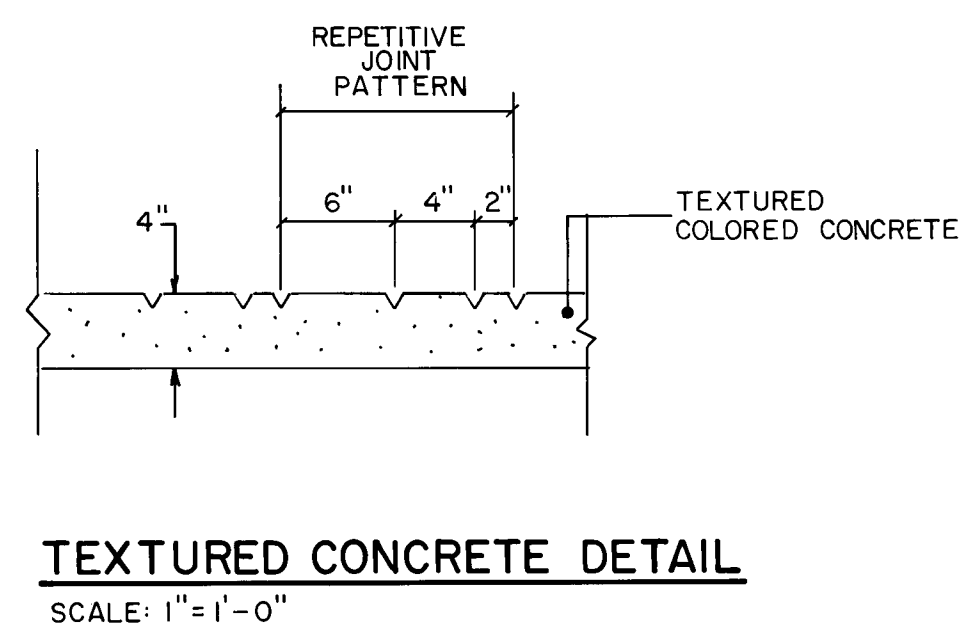
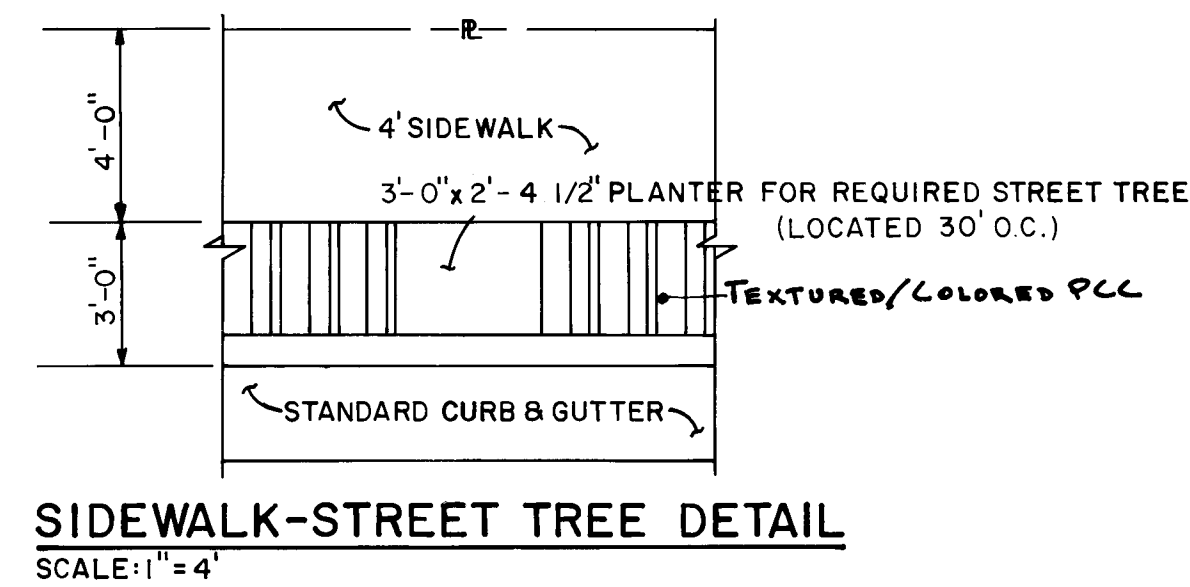
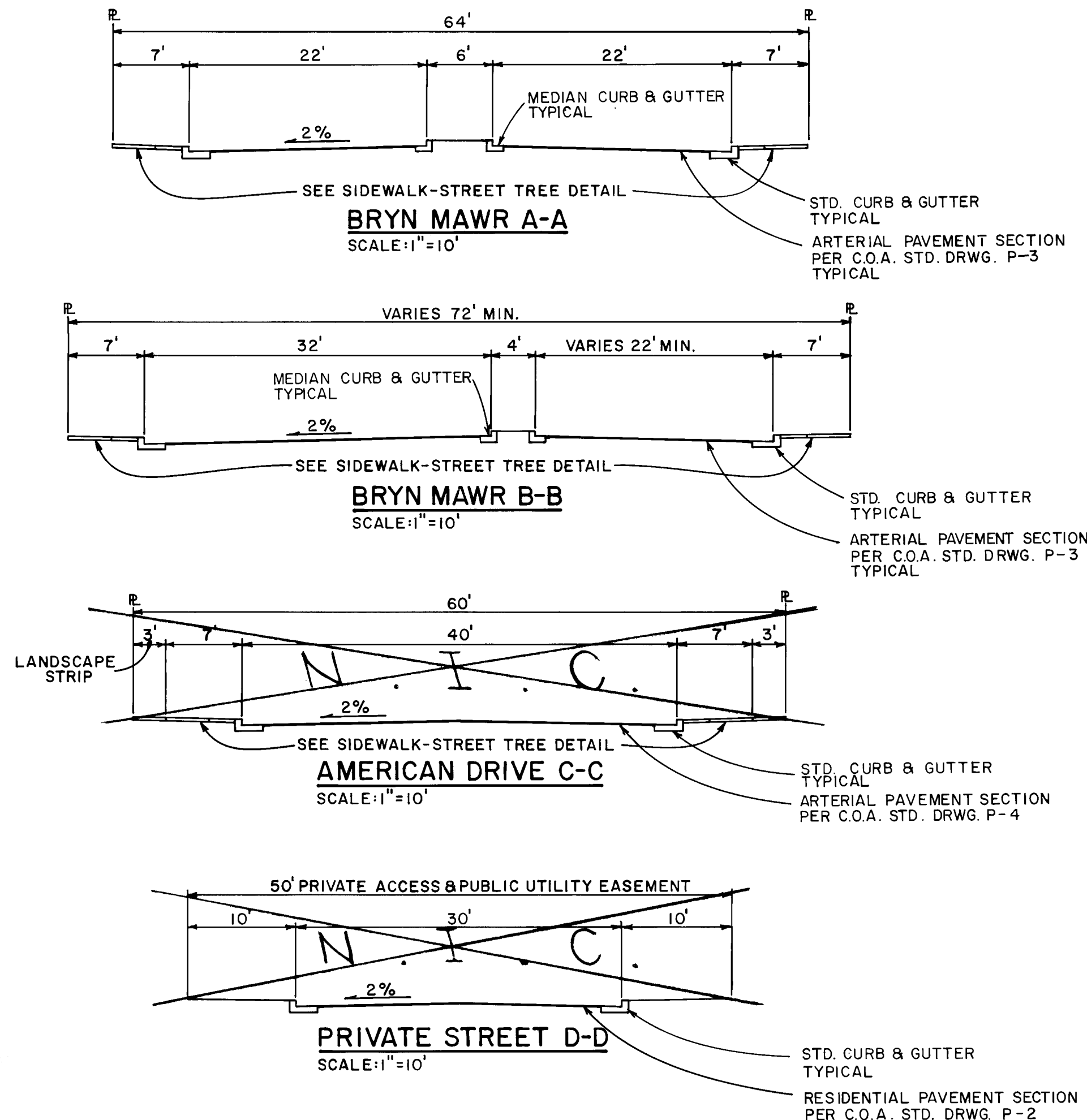
NO.	DATE	REMARKS
1	11/7/86	DESIGNED BY D.A.L.
2	11/7/86	DRAWN BY S.F.B.
3	11/7/86	CHECKED BY D.A.L.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: AMERICAN SQUARE - PHASE I
CARLISLE BLVD. MEDIAN RECONSTRUCTION
STA. 0+00 TO STA. 9+50.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	11/25/86	Liquid Waste	W.W.	11/7/86
A.C.E. - Design	[Signature]	11/25/86	Traffic	[Signature]	11/7/86
A.C.E. - Hydrology	[Signature]	11/25/86	Water	W.W.	11/7/86

DRAWING NO. 3031 **MAP NO. H-16** **SHEET 21 OF 23**

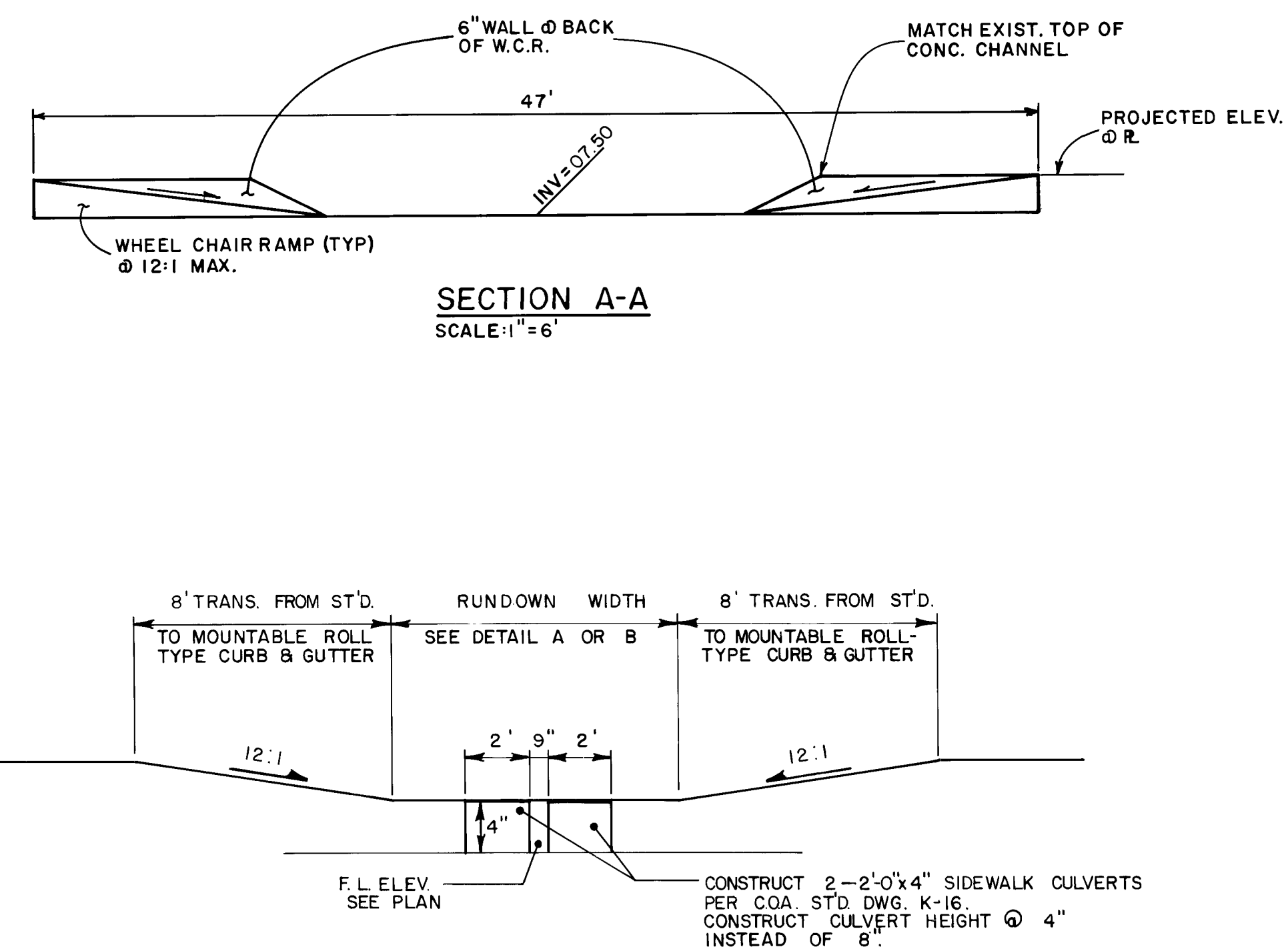
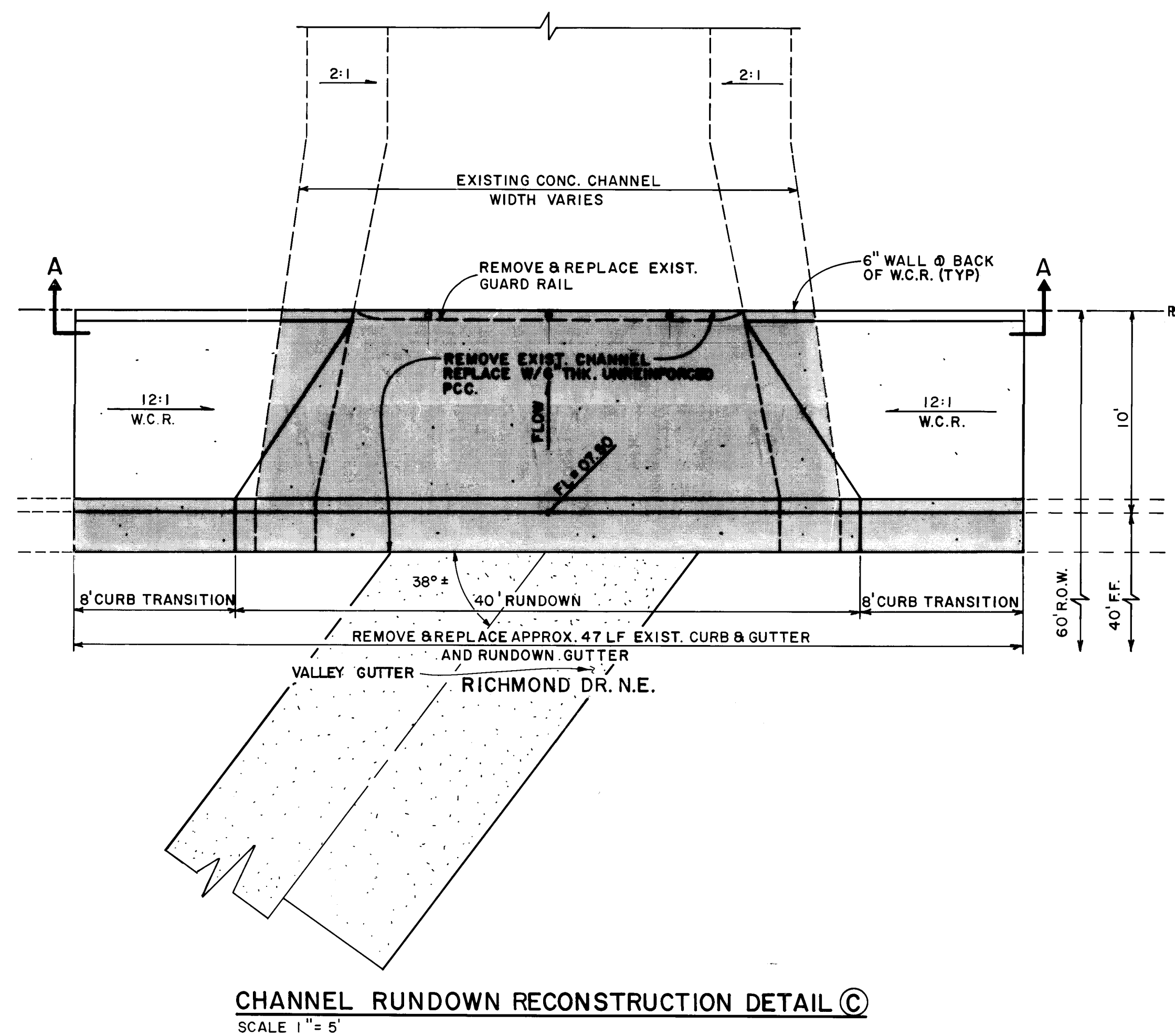
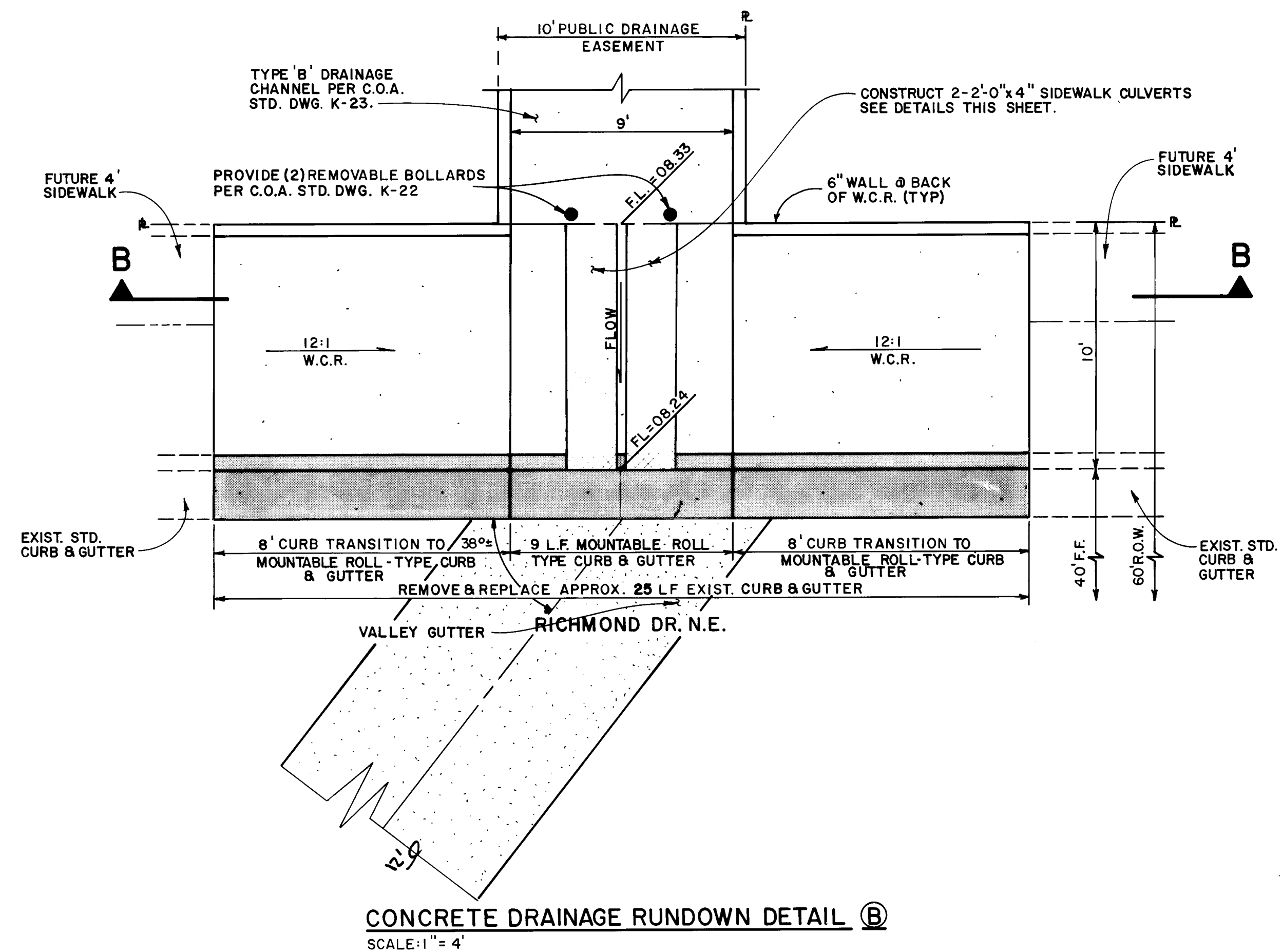
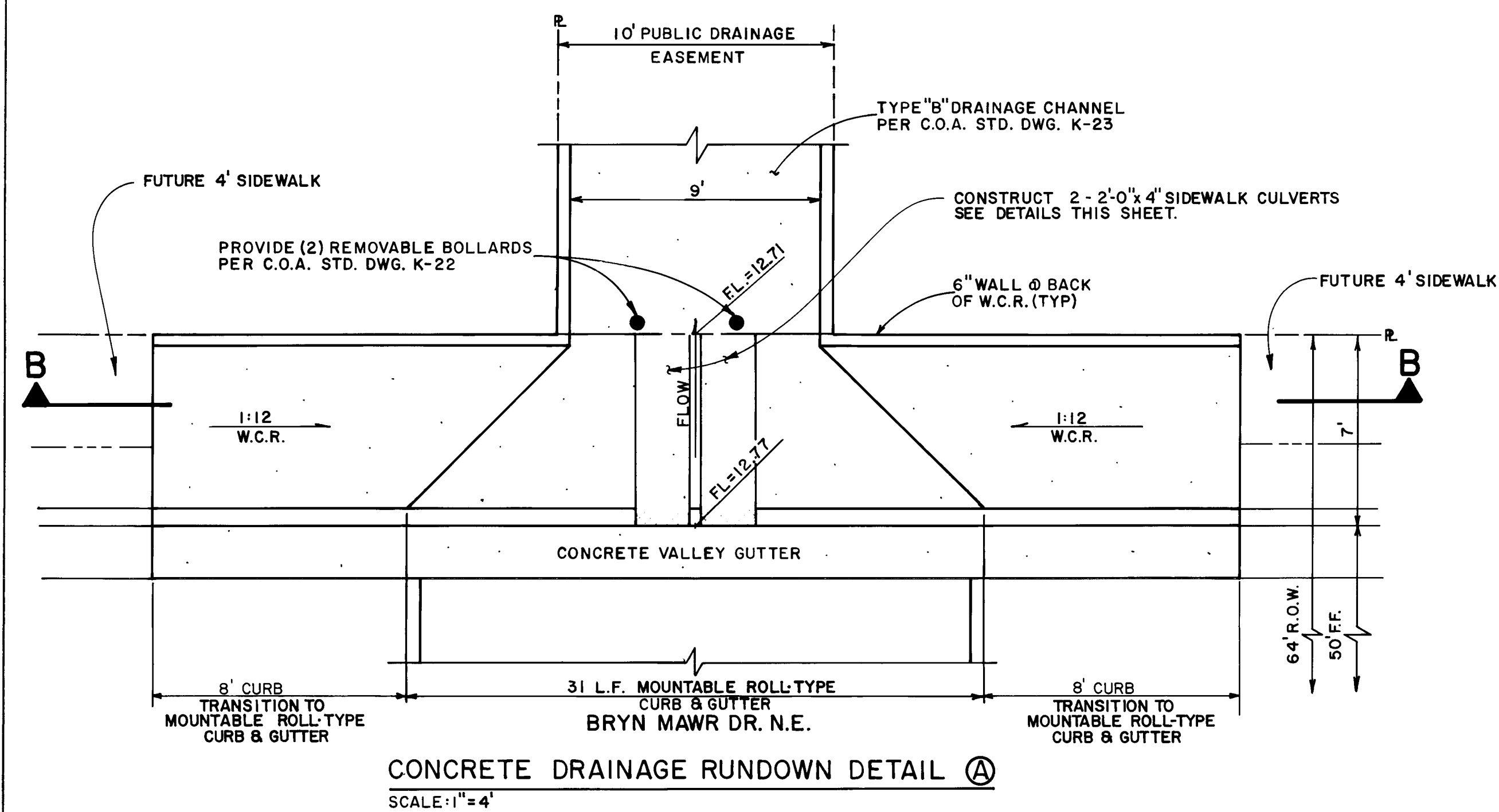


AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		APPROVALS		DATE	
CONTRACTOR	Universal	WORK BY	City	DATE		NO.	BY	NO.	DATE	REMARKS	DESIGN	APPROVALS	ENGINEER	DATE	
THE STATION IS LOCATED 3.6 MILES NORTHEAST OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF CARLISLE BLVD AND PHOENIX AVE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND CARLISLE BLVD, GO NORTH ON CARLISLE 0.5 MILES TO PHOENIX AVE. THE STATION IS LOCATED IN THE MEDIAN OF CARLISLE NORTH OF PHOENIX AVE. THE STATION MARK IS A STANDARD A.C.S. BRASS TABLET STAMPED "6-H17A" SET IN A CONCRETE POST 0.2 FEET ABOVE GROUND.															
MSLD ELEV. 5148.74															

ESPEY, HUSTON & ASSOC., INC.
Engineering & Environmental Consultants
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ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 255-1625

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
TITLE: AMERICAN SQUARE - PHASE I
DETAIL SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/86	Liquid Waste	<i>[Signature]</i>	11/7/86
A.C.E. - Design	<i>[Signature]</i>	11/2/86	Traffic	<i>[Signature]</i>	11/7/86
A.C.E. - Hydrology	<i>[Signature]</i>	11/2/86	Water	<i>[Signature]</i>	11/7/86
DRAWING NO.	3031	MAP NO.	H - 16	SHEET	22 OF 23

[illegible]