

PLANS FOR CONSTRUCTION OF

CEDAR RIDGE ESTATES

UNIT 1

JUNE, 1994

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THESE DRAWINGS DO NOT INCLUDE NECESSARY
COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH
SHALL REMAIN THE RESPONSIBILITY OF THE
CONTRACTOR.

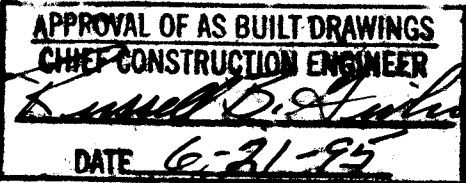
ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS
INSTRUMENT ARE OWNED BY AND THE PROPERTY OF BRASHER ENGINEERING, INC., AND
WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED
PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY
PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN
CONSENT OF BRASHER ENGINEERING, INC.

CERTIFICATION:

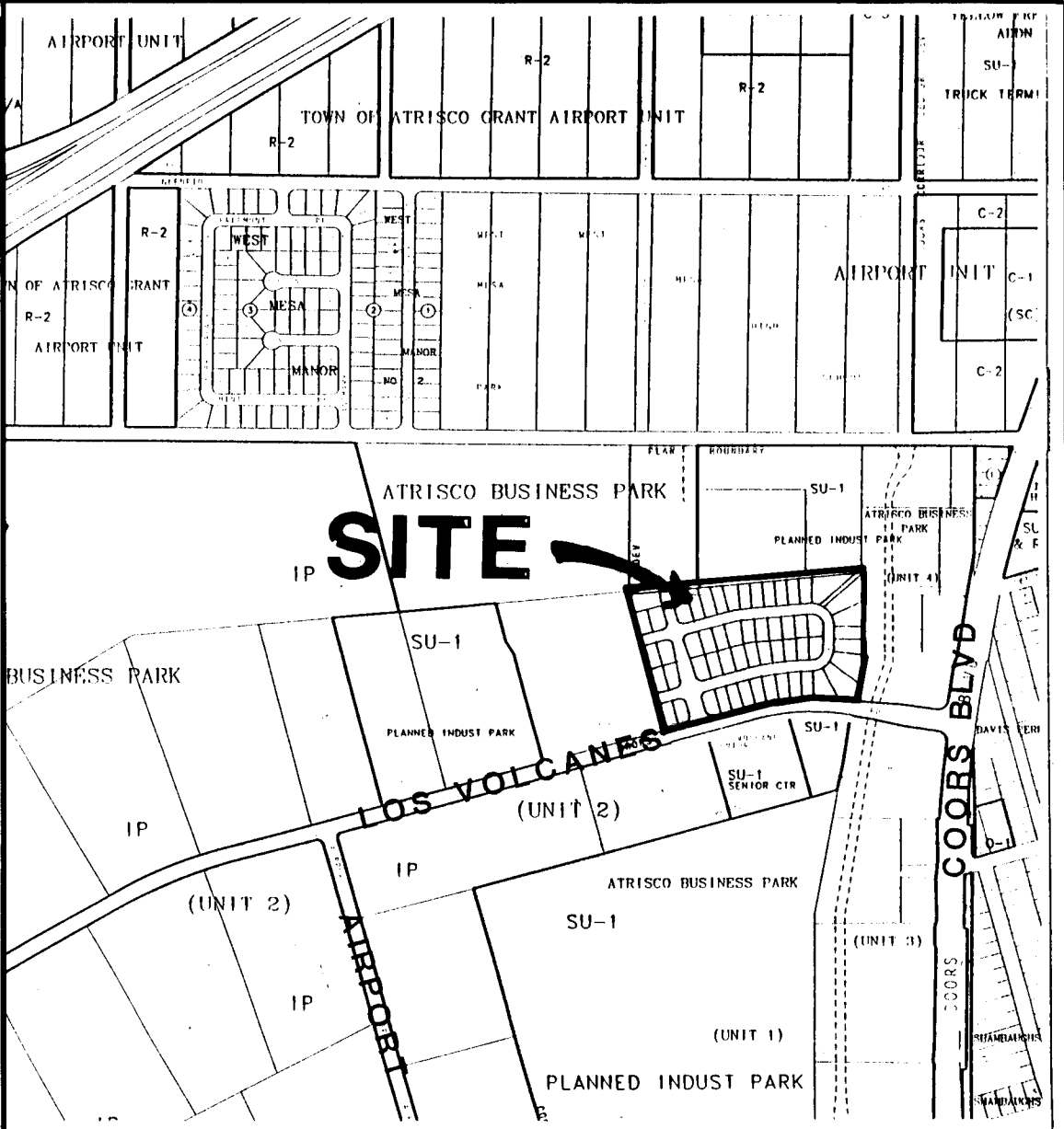
I, DENNIS A. LORENZ, REGISTERED
PROFESSIONAL ENGINEER, NO. 9647
HEREBY CERTIFY THAT THE FOLLOWING PLANS
AND DESIGNS WERE MADE UNDER MY
SUPERVISION AND DIRECTION AND THAT
SAME IS TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

N.M.P.E.

NO. 9647



© COPYRIGHT



VICINITY MAP: J-10

SCALE 1"=750'

GENERAL NOTES:

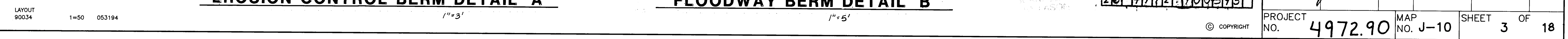
- All work detailed on these plans to be performed under contract, and unless otherwise stated or provided for hereon, shall be constructed in accordance with the "City of Albuquerque, Standard Specifications for Public Works Construction", 1986 Edition, as amended through update no. 4.
- Two working days prior to any excavation the Contractor must contact New Mexico One Call, 260-1990, for location of existing utilities.
- Prior to construction the Contractor shall excavate and verify the horizontal and vertical location of existing utilities being connected to and 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 safety and health.
- The Contractor shall maintain access to all adjacent properties during construction.
- All gas, electric, telephone, cables and appurtenances encountered during construction that require relocation shall be done by the responsible utility. The Contractor shall be responsible for coordination of all necessary utility adjustments.
- It shall be the Contractor's responsibility to protect and maintain in service all existing utilities.
- The Contractor shall be required to confine his work within the construction limits and/or public right of way or easements to preserve existing vegetation and private property. Overnight parking of equipment and/or storage of materials is not allowed except by permission of the Owner. Restoration of private improvements will be at the Contractor's expense.
- A disposal site for all excess excavation material 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 measurement or payment shall be made.
- The Contractor shall secure a Topsoil Disturbance Permit prior to beginning construction.
- The Contractor shall assist the Field Engineer/Inspector in the recording of As-Built data as required for the preparation of "Record Drawings".
- References made to Standard Drawings refer to the City of Albuquerque Standard Drawings.
- Three (3) working days prior to beginning construction the Contractor shall submit to the Construction Coordination Division a detailed construction schedule. Two (2) working days prior to construction the Contractor shall obtain a barricading permit from the Construction Coordination Division. The Contractor shall notify the Barricade Engineer (768-2551) prior to occupying an intersection. See Section 19 of the Specifications.
- All street striping altered or destroyed shall be replaced in kind by the Contractor to location, and in kind as existing or as indicated on the Planset.

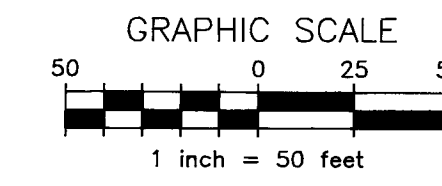
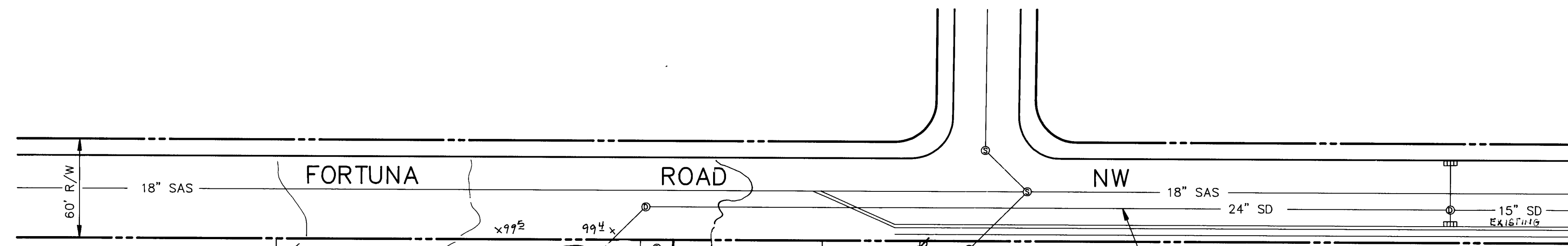
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 49 72 90 01 95

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
APPROVAL OF REVISIONS									

ENGINEER'S SEAL 8-4-94	BRASHER ENGINEERING, INC. PROJECT NUMBER 4972190	APPROVED FOR CONSTRUCTION 11/7/94 C.E. SHEET 1 OF 18
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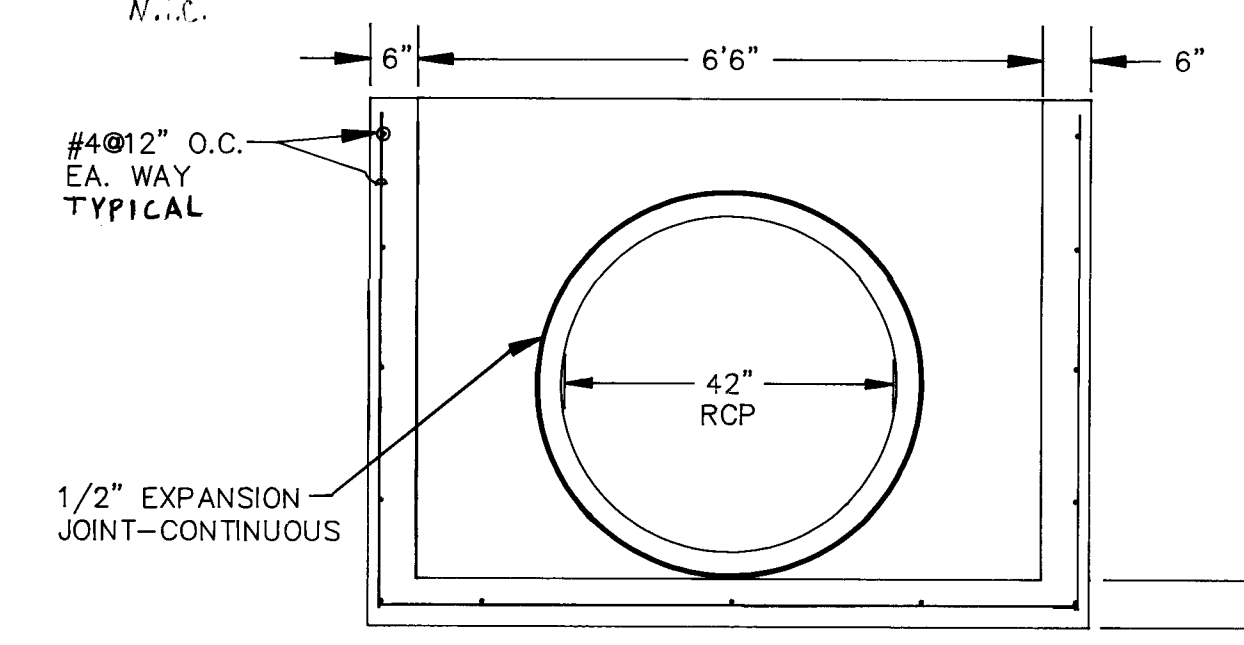


- LEGEND
- 5001 --- EXISTING CONTOUR
 - x 98.2 EXISTING SPOT ELEVATION
 - 100 YEAR FLOODPLAIN
 - == == EXISTING CURB & GUTTER
 - x 97.50 PROPOSED SPOT ELEVATION
 - FL 97.37 PROPOSED TOP OF CURB ELEVATION
 - FL 97.41 PROPOSED FLOWLINE ELEVATION
 - 0/3 PROPOSED BUILDING PAD ELEVATION
 - PROPOSED SWALE
 - DIRECTION OF FLOW
 - 42" SD PROPOSED STORM DRAIN
 - WATER BLOCK
 - x 97.5 97.3 AS-BUILT SPOT ELEVATION

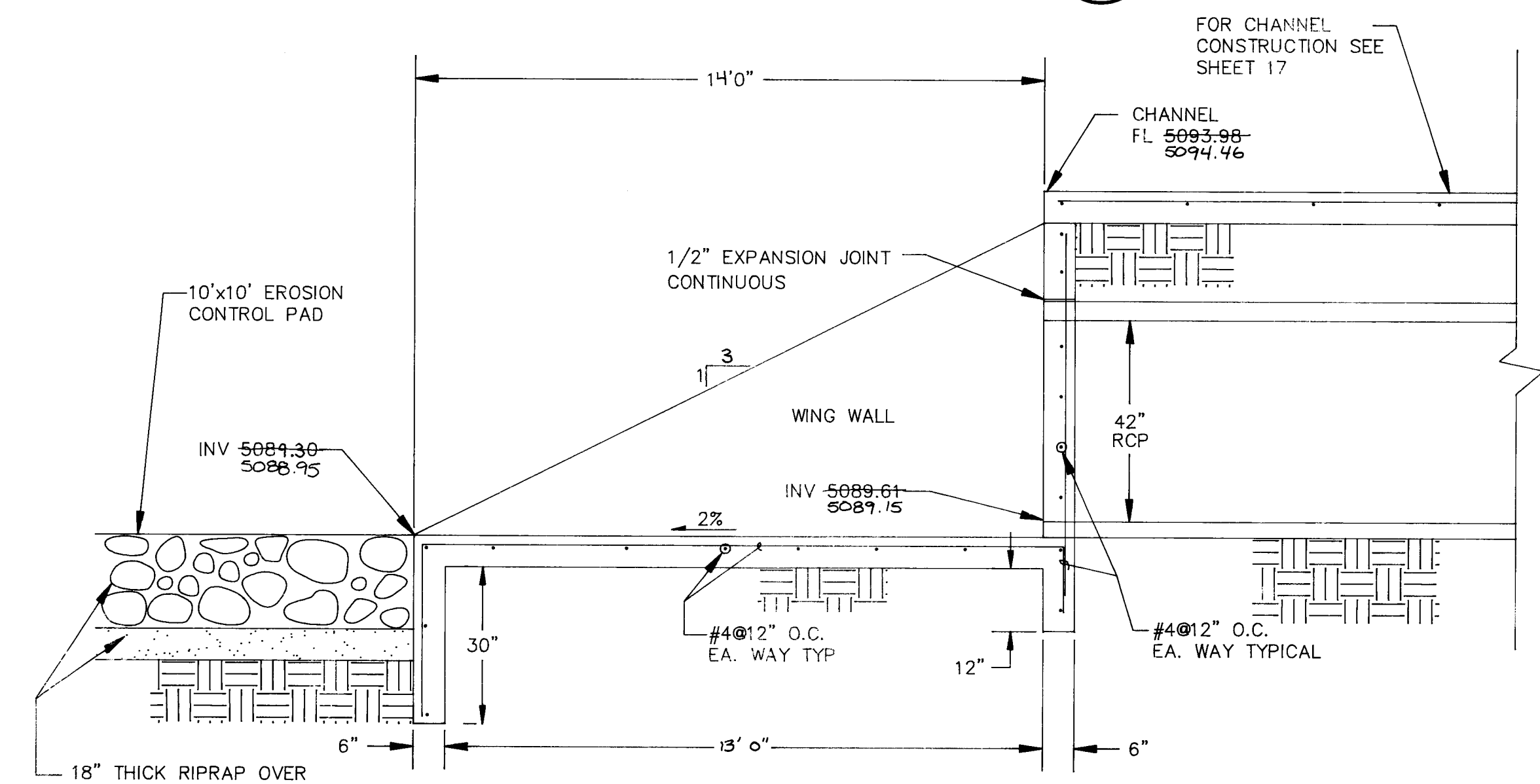
ENGINEER'S CERTIFICATION

I, the undersigned, being a Professional Engineer registered in the state of New Mexico, do hereby certify that this drawing was prepared by me or under my supervision, and that the as-built information shown hereon is based on actual field measurements and inspections performed by Brasher & Lorenz, Inc. I further certify that the as-built condition of the site is in substantial compliance with the approved Grading and Drainage Plan prepared by Brasher Engineering, Inc., dated July 22, 1994.

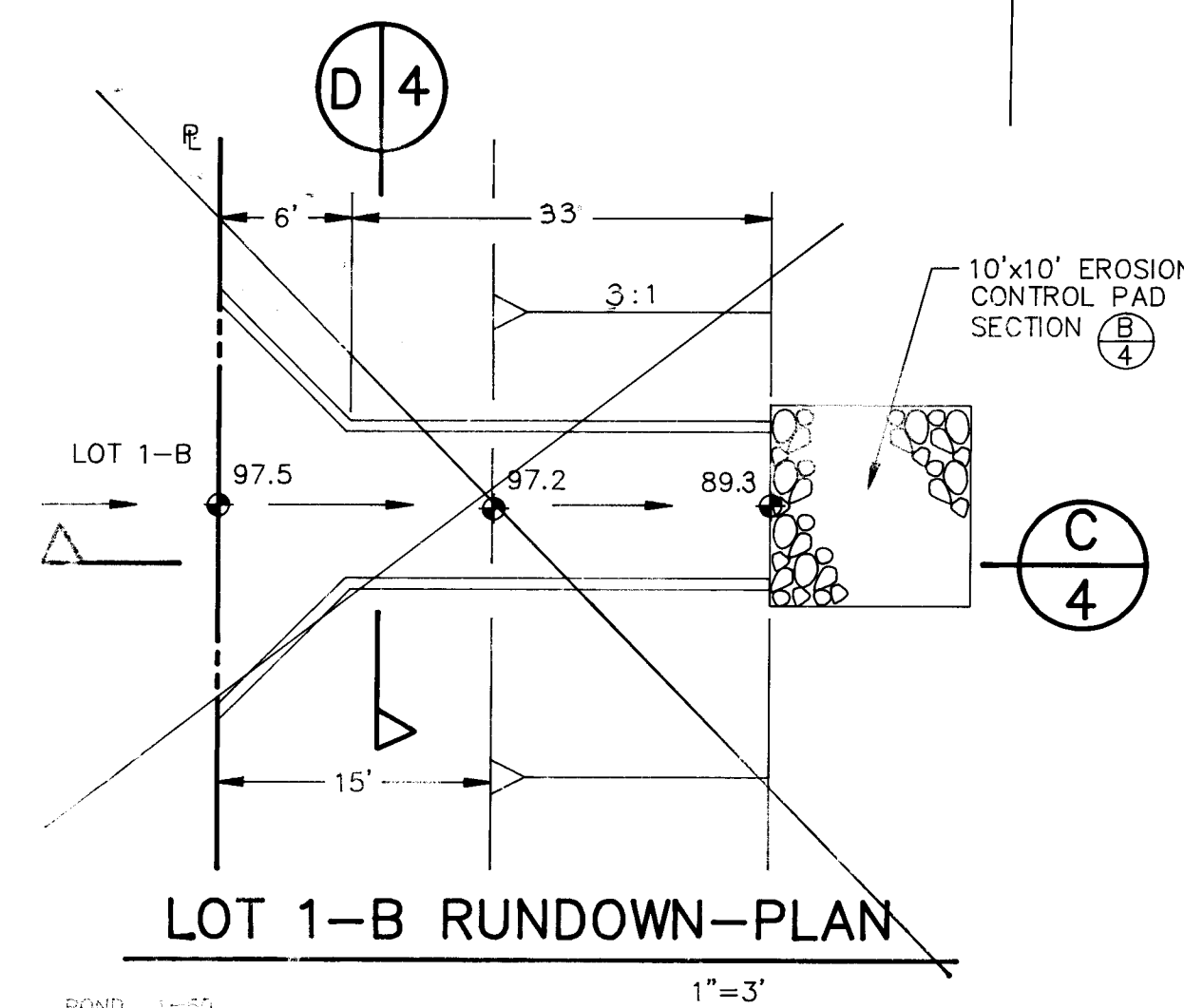
Dennis A. Lorenz
Dennis A. Lorenz, NMPE 9647
7/1/95
Date



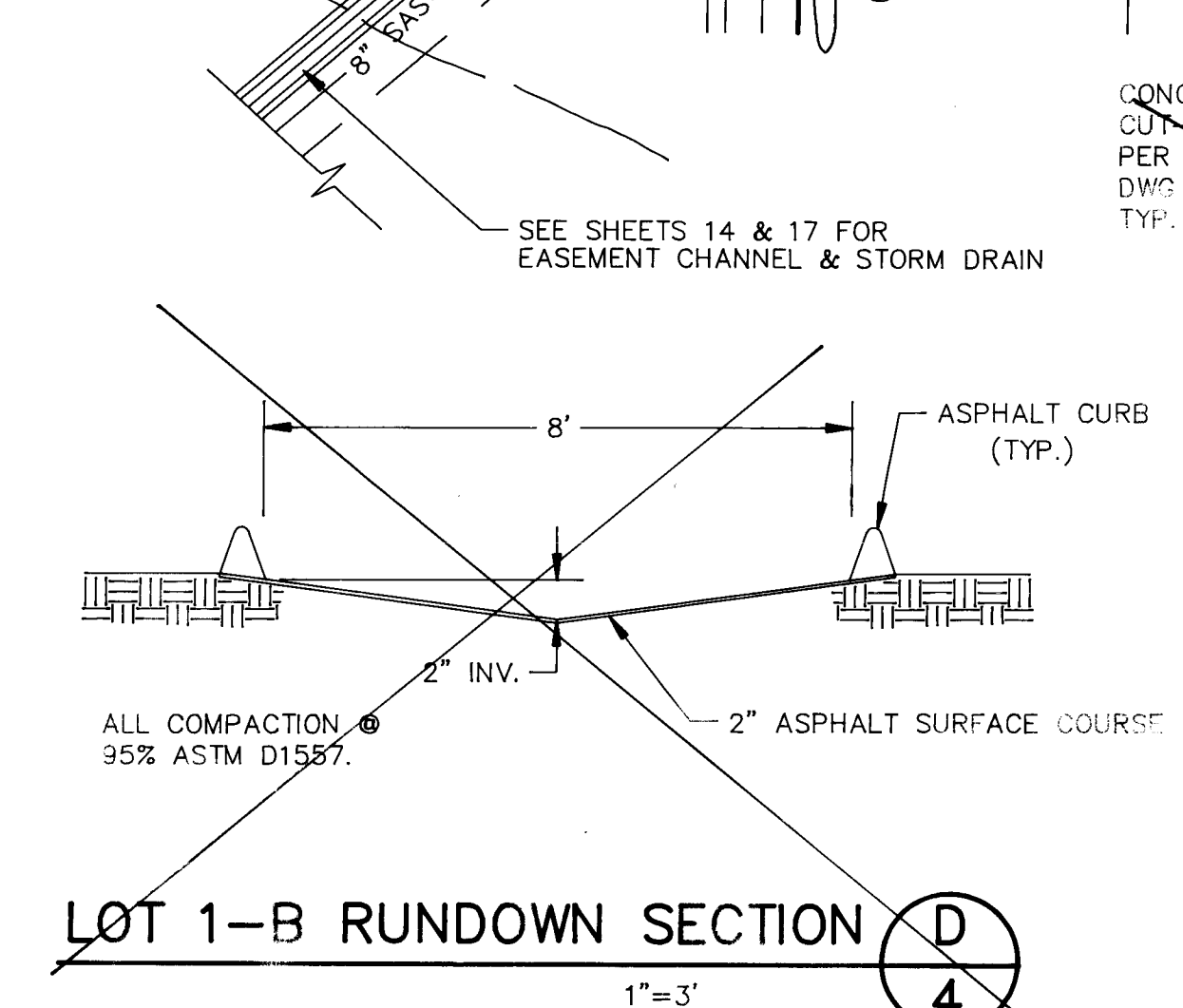
POND INLET HEADWALL SECTION A
1"=2'



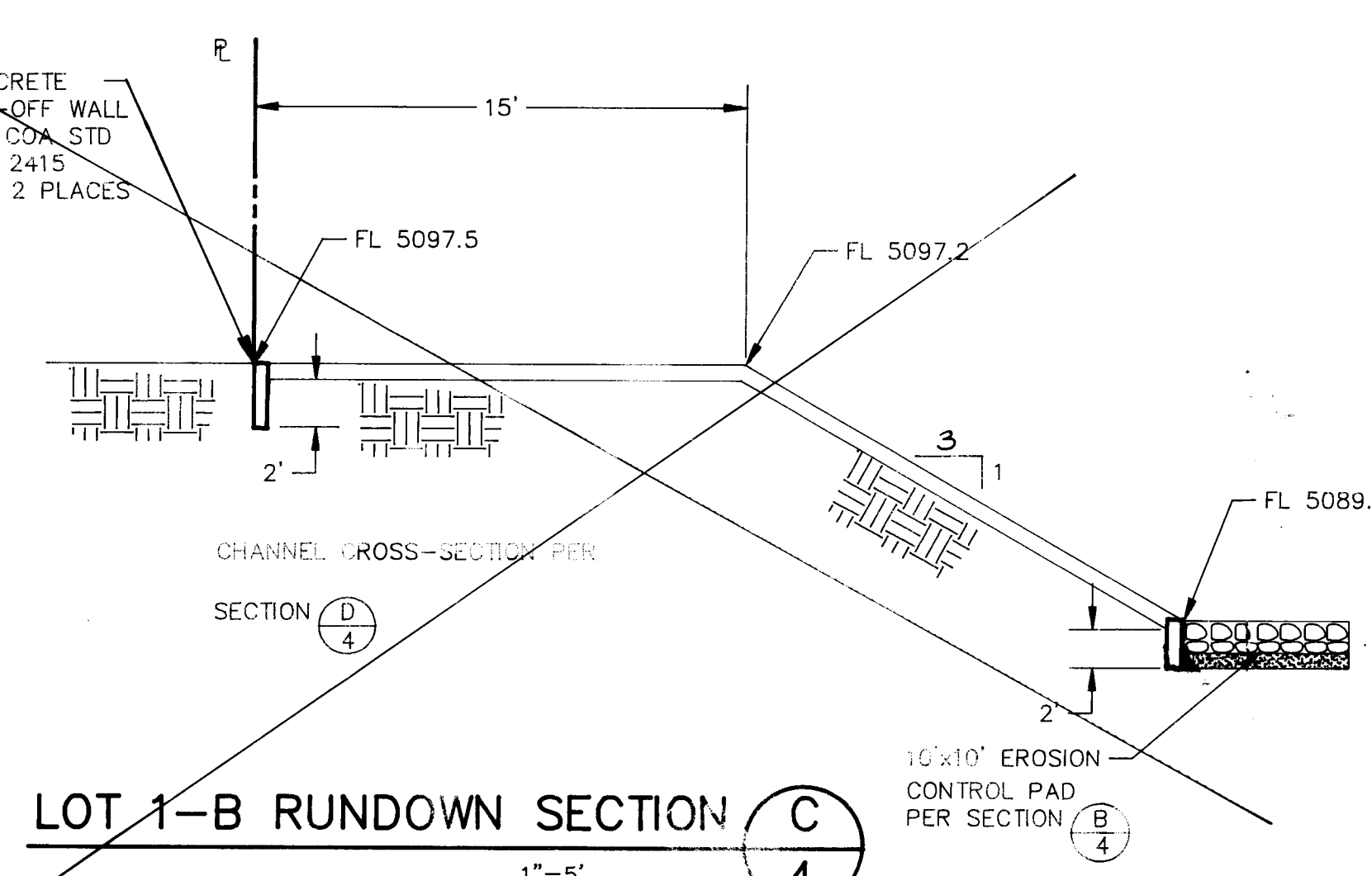
POND INLET HEADWALL SECTION B
1"=2'



LOT 1-B RUNDOWN-PLAN
1"=3'



LOT 1-B RUNDOWN SECTION D
1"=3'



LOT 1-B RUNDOWN SECTION C
1"=5'

GRADATION FOR RIP-RAP	
MIN DIMENSION	% SMALLER BY WEIGHT
12"	100
9"	35-55
2"	10

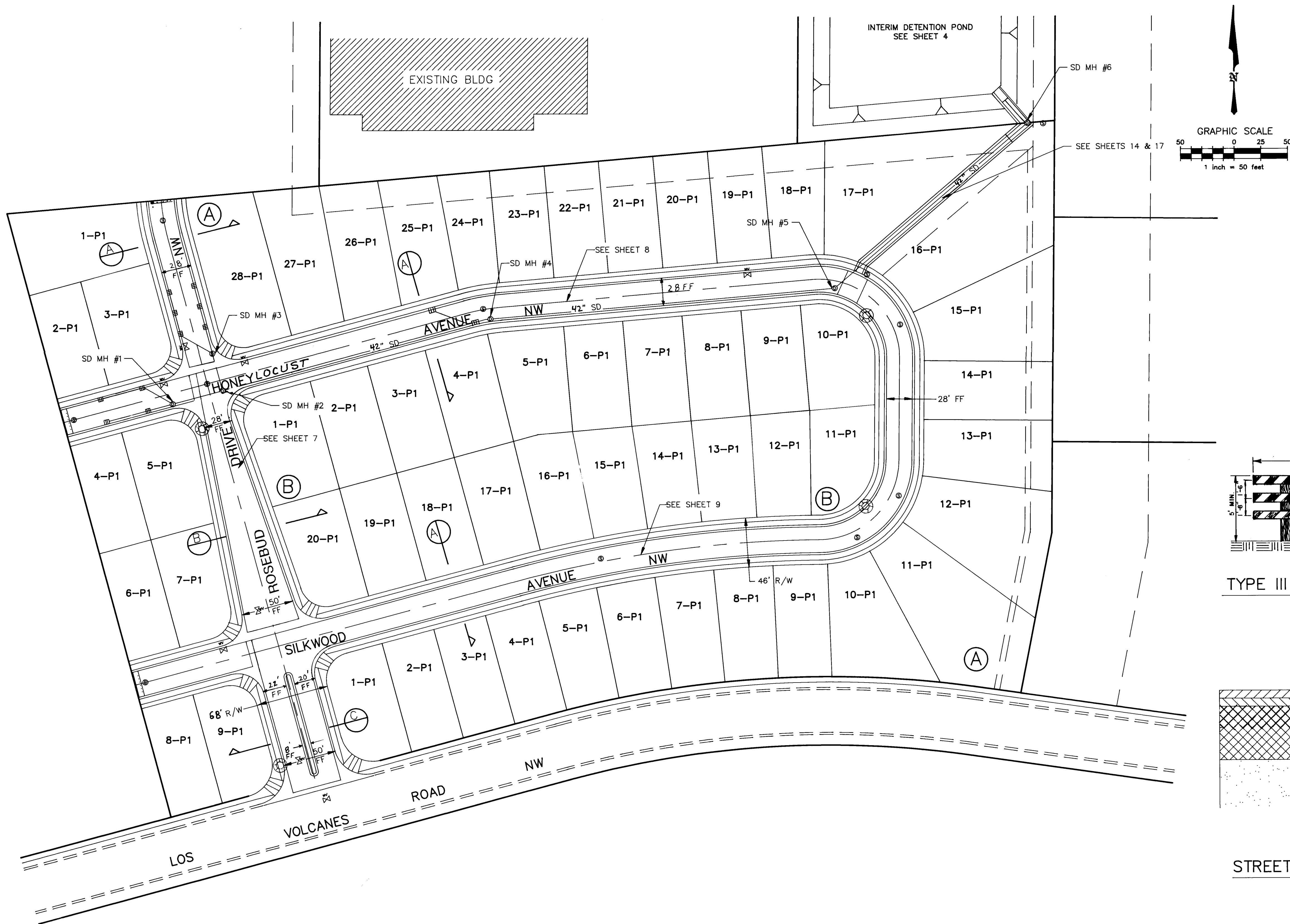
GRADATION FOR GRANULAR BEDDING	
SIEVE SIZE	% BY WEIGHT
2"	90-100
3/4"	20-90
#16	0-20
#50	---
#100	---
#200	---

All rip-rap shall be angular rock and free from cracks. No shale, no broken concrete and no cobbles will be accepted.

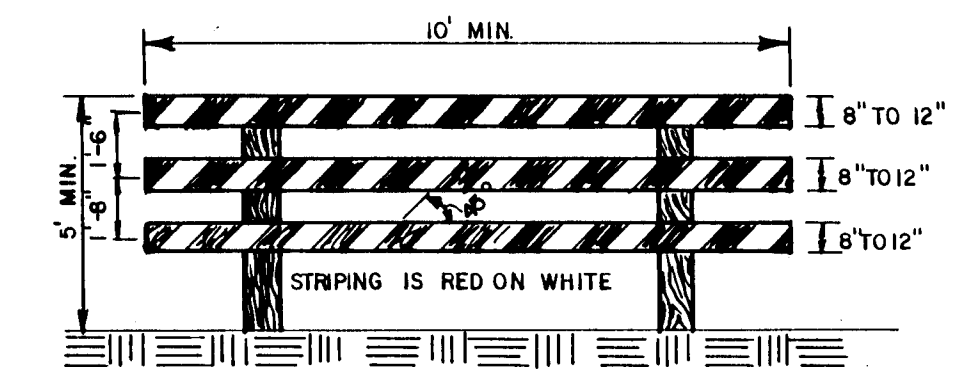
BRASHER ENGINEERING, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

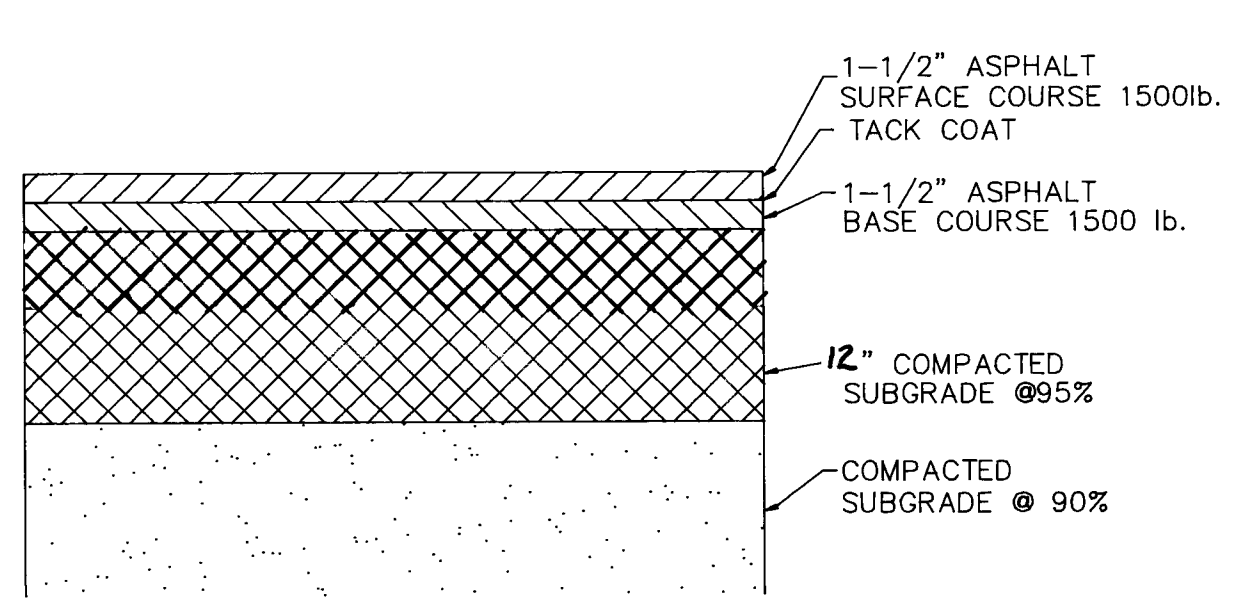
TITLE: CEDAR RIDGE ESTATES INTERIM DETENTION POND					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>R. G. Brasher</i>	11/1/94	WATER	N/A	RWK 8-26-94
TRANS. DEV.	<i>N/A</i>	9-07-94	WASTEWATER	N/A	RWK 8-26-94
HYDROLOGY	<i>J. C. Brasher</i>	9-20-94			
PROJECT NO.	4972.90		MAP NO.	J-10	
			SHEET	4	OF 18



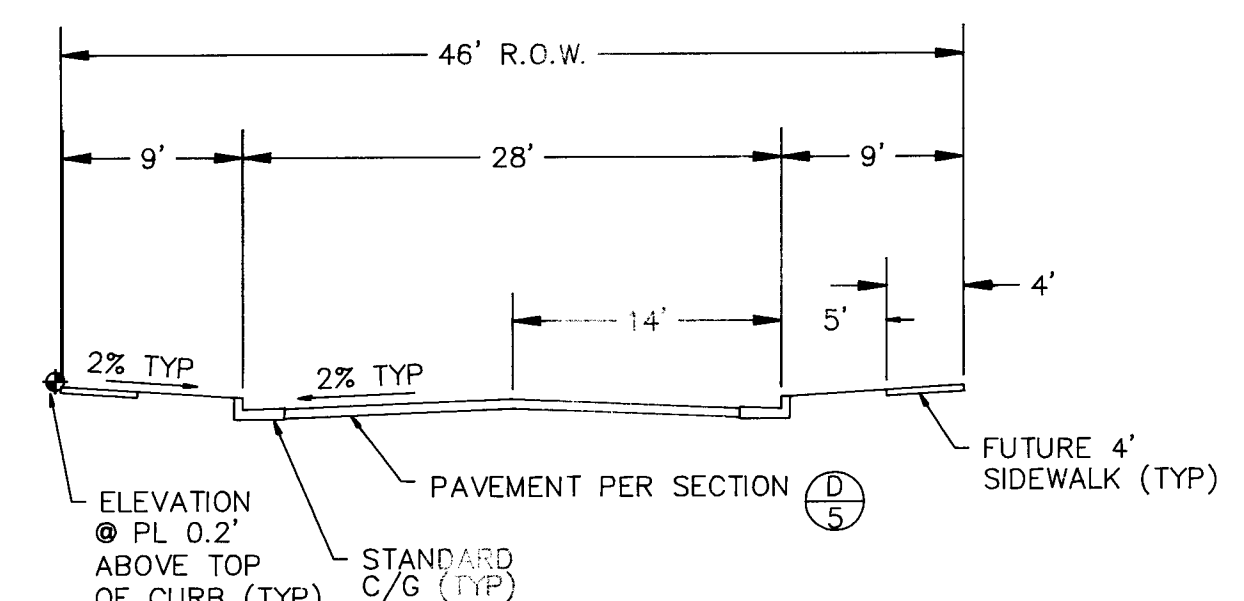
- LEGEND**
- PROPOSED STORM DRAINAGE MANHOLE
 - PROPOSED SEWER MANHOLE
 - PROPOSED HYDRANT
 - PROPOSED DRAIN INLET
 - PROPOSED STORM DRAIN
 - EXISTING MANHOLE
 - PROPOSED WATER VALVE
 - PROPOSED STREET LIGHT



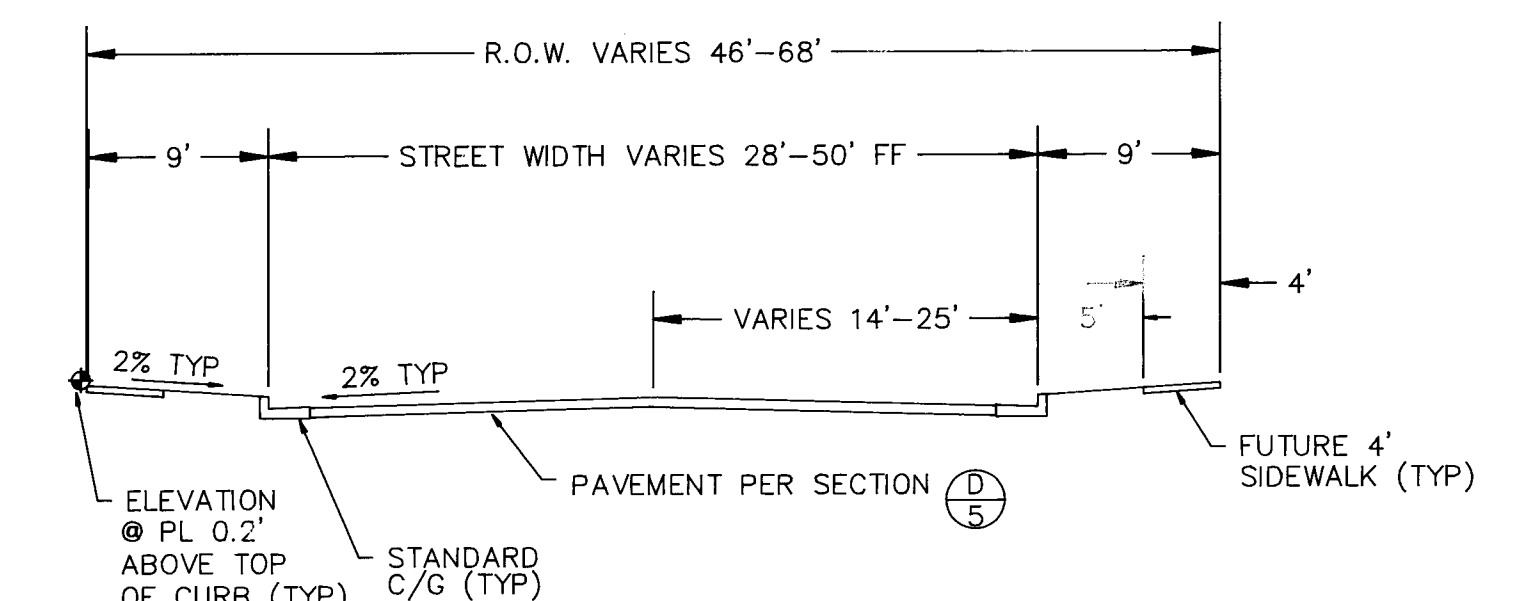
TYPE III BARRICADE DETAIL (E) 5



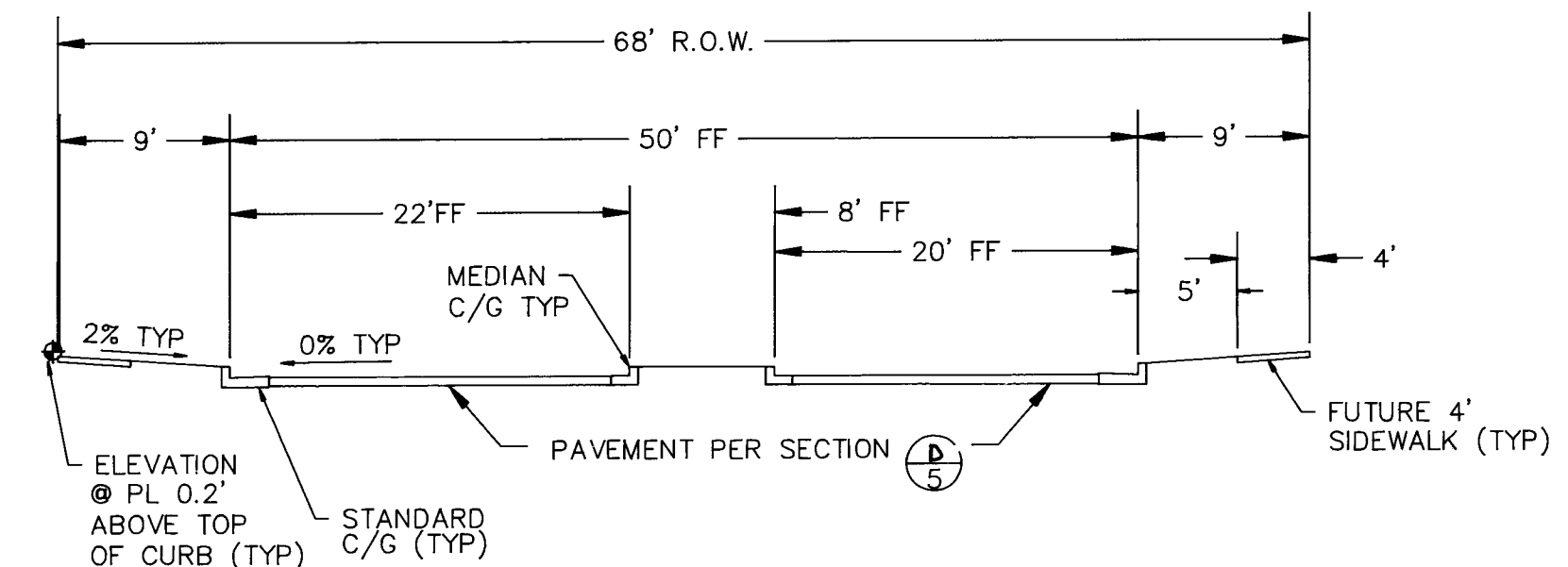
STREET PAVEMENT SECTION (D) 5



STREET SECTION A 5



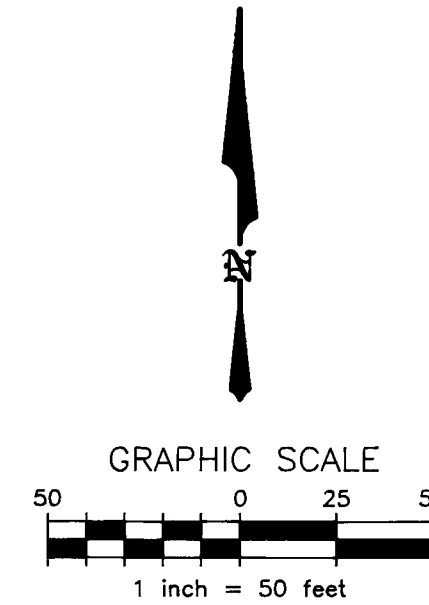
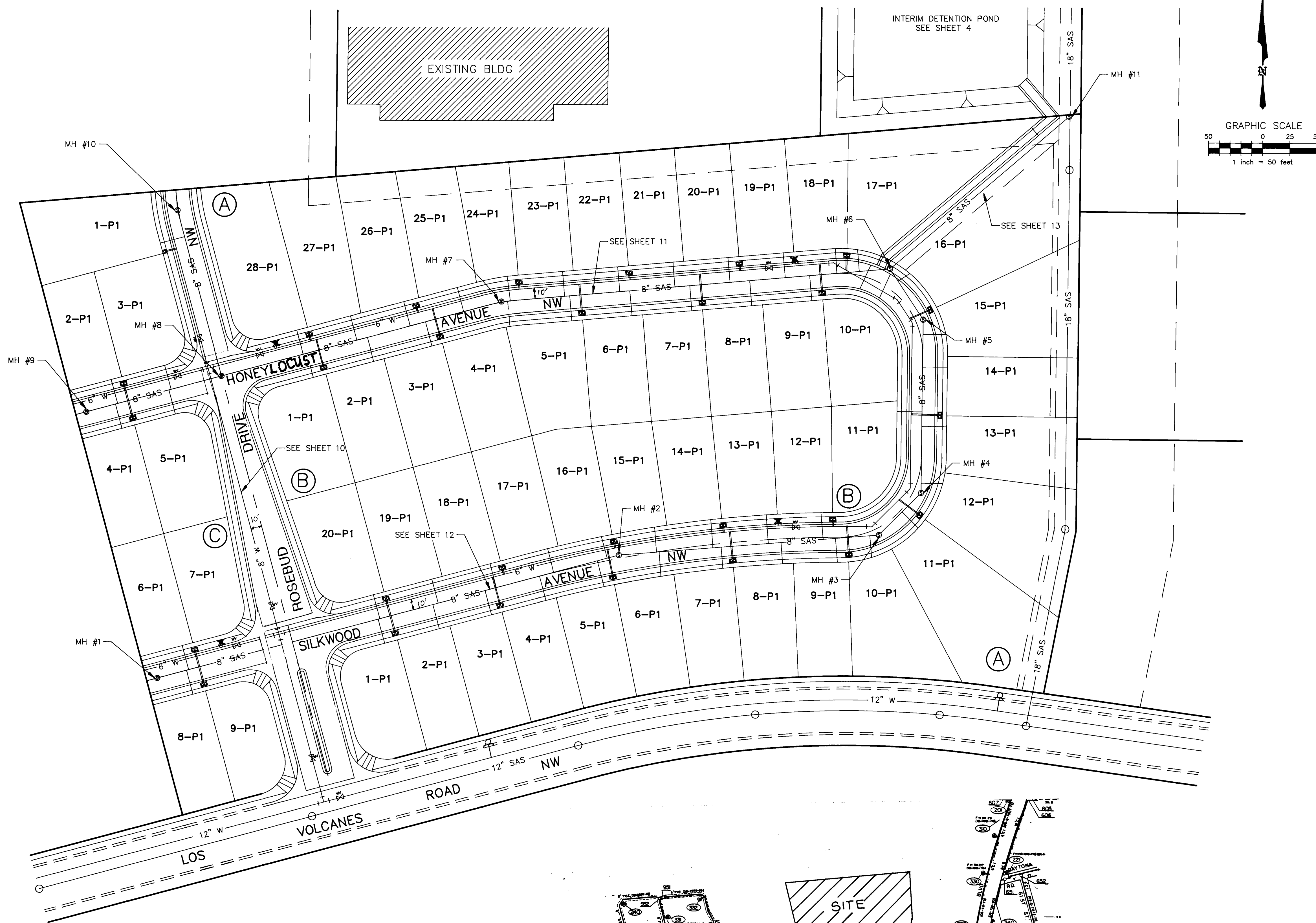
STREET SECTION B 5



STREET SECTION C 5

BRASHER ENGINEERING, INC.					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CEDAR RIDGE ESTATES STREET PAVING & DRAINAGE LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	B.G. Gentry	11/1/94	WATER	N/A R.W.K.	8-26-94
TRANS. DEV.	R. Gentry	9-20-94	WASTEWATER	N/A R.W.K.	8-26-94
HYDROLOGY	N/A J.P.C.	9-20-94			
PROJECT NO.	4472.90	MAP NO.	J-10	SHEET	5 OF 18

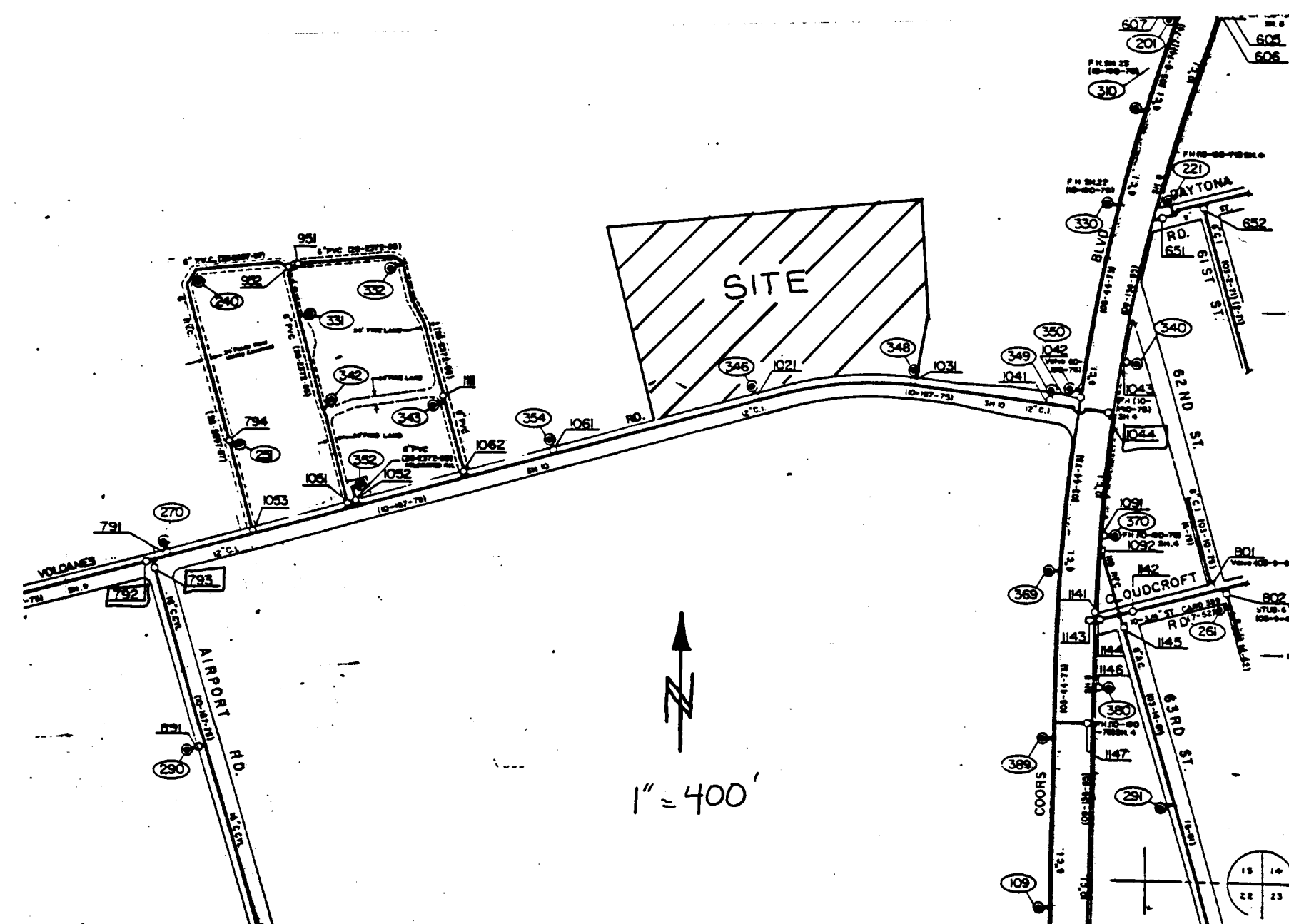
ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES					
			NO.	BY	DATE	ACS BRASS CAP "16-111" LOCATED AT THE INTERSECTION OF COORS RD NW AND FORTUNA RD NW	CONTRACTOR STATED BY	
							INSPECTOR'S DATE	
							FIELD VERIFICATION BY DATE	
						ELEVATION = 5096.674 FEET	DRAWINGS BY DATE	
							MICRO-FILM INFORMATION	
							RECORDED BY DATE	
							NO.	



- LEGEND**
- PROPOSED STORM DRAINAGE MANHOLE
 - PROPOSED SEWER MANHOLE
 - PROPOSED HYDRANT
 - PROPOSED DRAIN INLET
 - PROPOSED STORM DRAIN
 - EXISTING MANHOLE
 - PROPOSED WATER VALVE

WATER SHUT-OFF PLAN

- VALVES, HYDRANTS AND APPURTENANCES OF THE CITY WATER SYSTEM SHALL BE OPERATED BY CITY PERSONNEL ONLY.
- THE CONTRACTOR SHALL PROVIDE THE CITY 48 HOURS ADVANCE NOTICE OF NEED FOR SYSTEM SHUTDOWN.
- SYSTEM SHUTDOWN SHALL BE ACCOMPLISHED BY CLOSING VALVES 1044, 792 & 793.
- ANTICIPATED SHUTDOWN DURATION IS 8 HOURS.



SCANNED BY
BY LASON

26 4972.90 11/1/94

BRASHER ENGINEERING, INC.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **CEDAR RIDGE ESTATES
WATER & SANITARY SEWER LAYOUT PLAN**

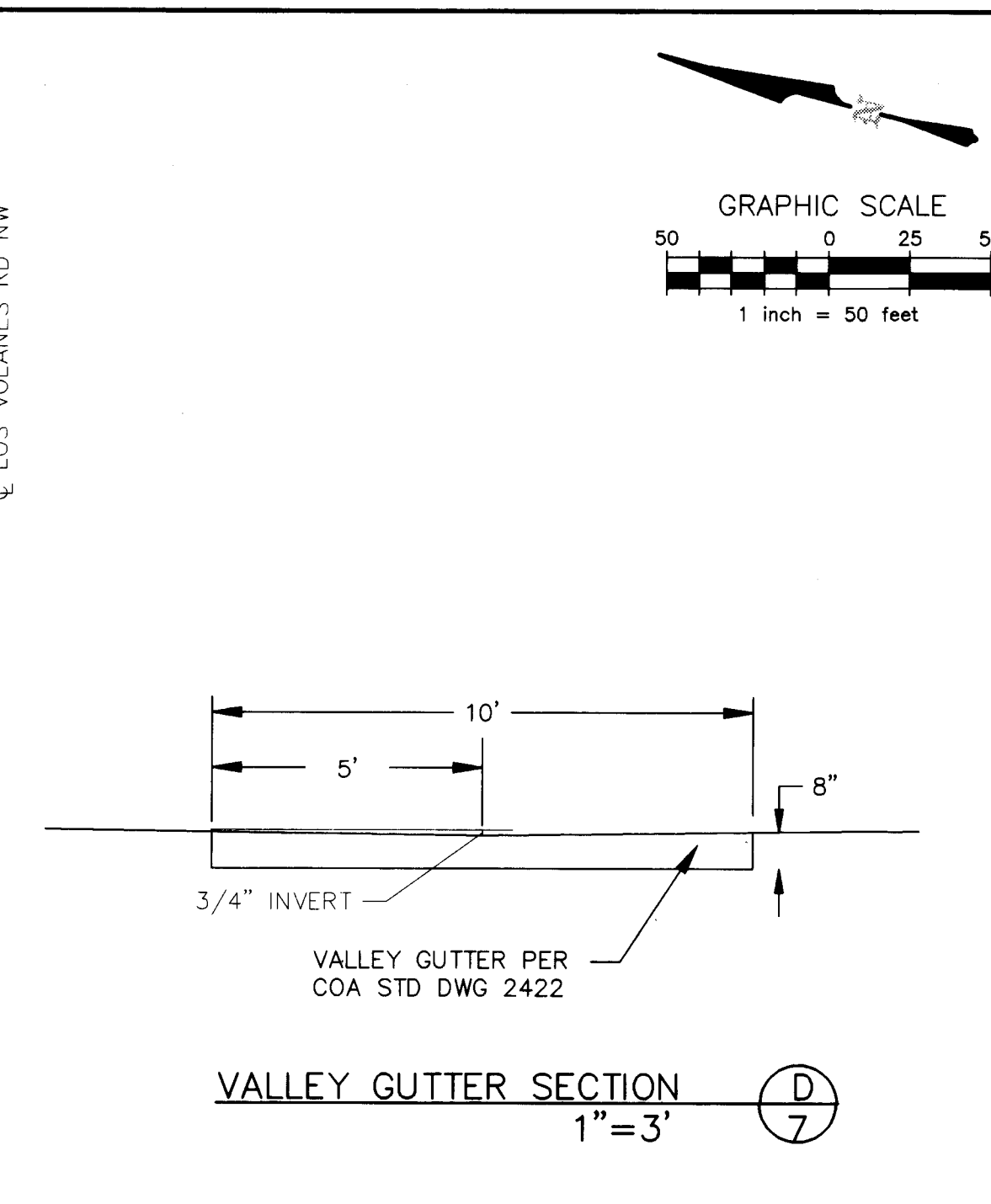
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	B.G. Sandoval	11/1/94	WATER	R.W. Kane	8-26-94
TRANS. DEV.	N/A C.H.P.	9-22-94	WASTEWATER	R.W. Kane	8-26-94
HYDROLOGY	N/A M.C.	9-22-94			

PROJECT NO. **4972.90**

MAP NO. **J-10**

SHEET **6** OF **18**

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE		DATE	BY		NO.	BY				
WORK PERFORMED BY	DATE		DATE	BY		NO.	BY				
INSPECTED BY	DATE		DATE	BY		NO.	BY				
ACCEPTANCE BY	DATE		DATE	BY		NO.	BY				
VERIFICATION BY	DATE		DATE	BY		NO.	BY		REMARKS	DESIGN	DATE
DRAWINGS	DATE		DATE	BY		NO.	BY		NO.	DATE	6-94
BY	DATE		DATE	BY		NO.	BY		NO.	DATE	6-94
MICRO-FILM INFORMATION	DATE		DATE	BY		NO.	BY		NO.	DATE	6-94
RECORDED BY	DATE		DATE	BY		NO.	BY		NO.	DATE	6-94
NO.	DATE		DATE	BY		NO.	BY		NO.	DATE	6-94



CURVE	RADIUS	LENGTH	DELTA
C1	166.00'	29.25'	10°05'55"
C2	180.00'	31.73'	10°05'55"
C3	194.00'	34.19'	10°05'55"
C4	25.00'	39.27'	90°00'00"
C5	25.00'	39.27'	90°00'00"
C6	25.00'	41.01'	93°58'57"
C7	25.00'	41.01'	93°58'57"
C8	25.00'	37.53'	86°01'03"
C9	25.00'	37.53'	86°01'03"
C10	25.00'	39.27'	90°00'00"
C11	25.00'	39.27'	90°00'00"
C12	30.00'	47.12'	90°00'00"
C13	30.00'	47.12'	90°00'00"
C14	1.75'	2.75'	90°00'00"
C15	1.75'	2.75'	90°00'00"

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	— 8" WL —	— 8" WL —
SANITARY SEWER	— 8" SAS —	— 8" SAS —
STORM SEWER	— 24" SD —	— 24" SD —
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE	=====	=====
CURB	=====	=====
DROP INLET	— DI —	— DI —
OVERHEAD ELEC	— OHE —	— OHE —
PROPERTY LINE	=====	=====
FLOWLINE ELEV.	— FL 0.14 —	— FL 0.14 —
TOP OF CURB ELEV.	=====	=====
	99.3	99.31

NOTE:

1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

AS BUILT INFORMATION	
CONTRACTOR	
WORK	
TAKEN BY	DATE
INSPECTOR'S	
FIELD	DATE
PREPARED BY	DATE
DRAWINGS	
DIRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
0.	

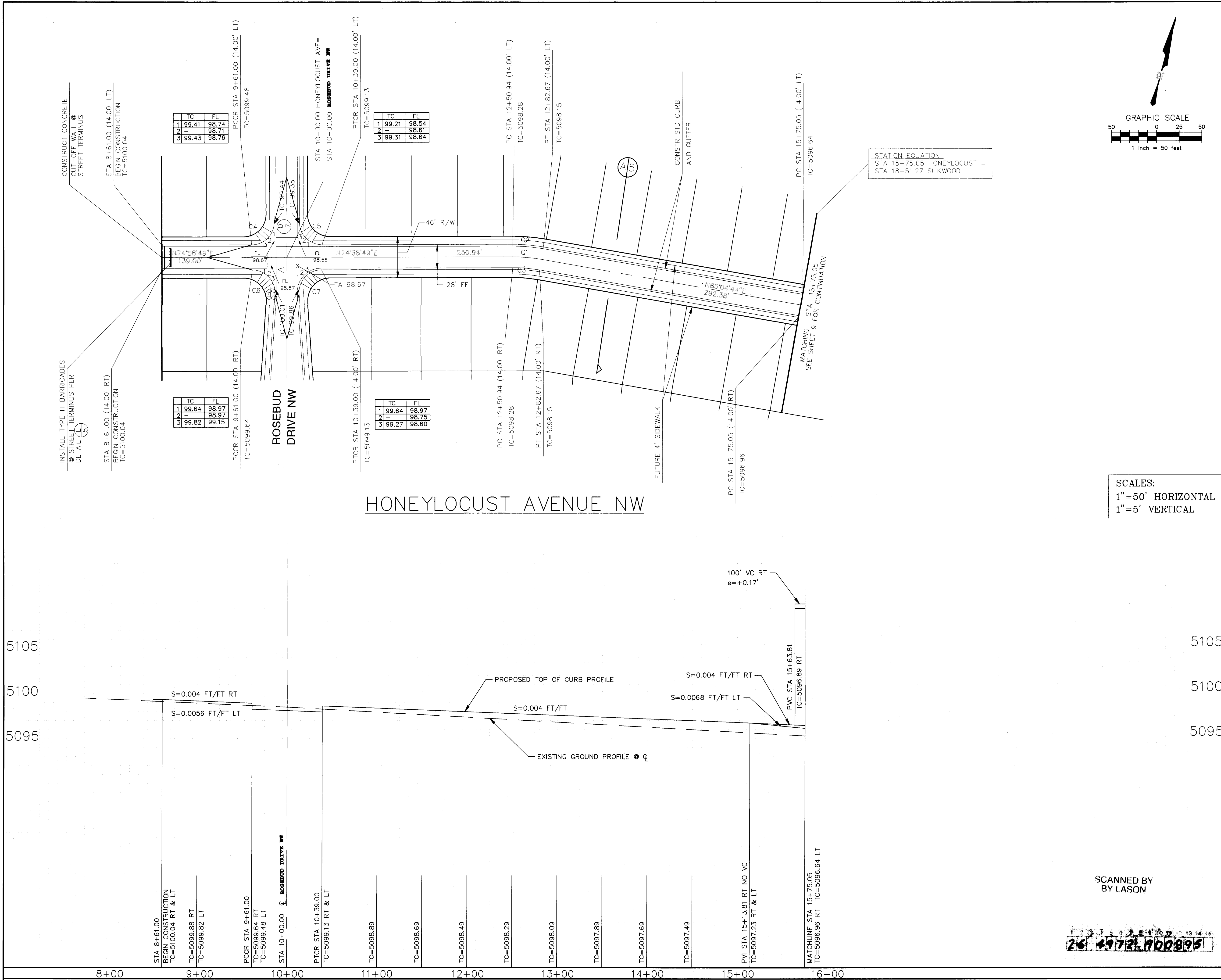
BENCH MARKS	C S I F V C	R N
AACS BRASS CAP "16-J1" LOCATED AT THE INTERSECTION OF COORS RD NW AND FORTUNA RD NW ELEVATION = 5096.674 FEET		

[illegible][illegible]

BRASHER ENGINEERING, INC.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE:	CEDAR RIDGE ESTATES STREET PAVING PLAN & PROFILE ROSEBUD DRIVE NW				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>AG Kibbey</i>	<i>11/1/94</i>	WATER	N/A RWK	<i>8-26-94</i>
TRANS. DEV.	<i>J. F. Davis</i>	<i>7-02-94</i>	WASTEWATER	N/A RWK	<i>8-26-94</i>
HYDROLOGY	<i>N/A DC</i>	<i>7-20-94</i>			

PROJECT NO.	4972.90	MAP NO.	J-10	SHEET	7 OF 18
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CURB CURVE DATA			
CURVE	RADIUS	LENGTH	DELTA
C1	180.00'	31.73'	10°05'55"
C2	194.00'	34.19'	10°05'55"
C3	166.00'	29.26'	10°05'55"
C4	25.00'	39.27'	90°00'00"
C5	25.00'	39.27'	90°00'00"
C6	25.00'	41.01'	93°58'57"
C7	25.00'	41.01'	93°58'57"

LEGEND		
ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

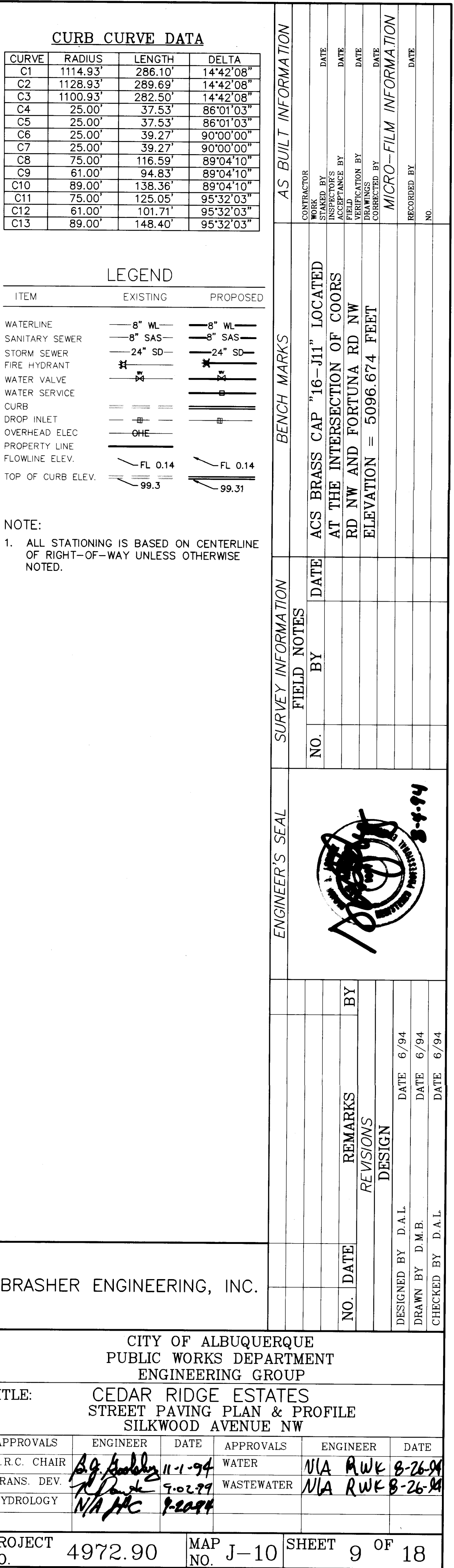
NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

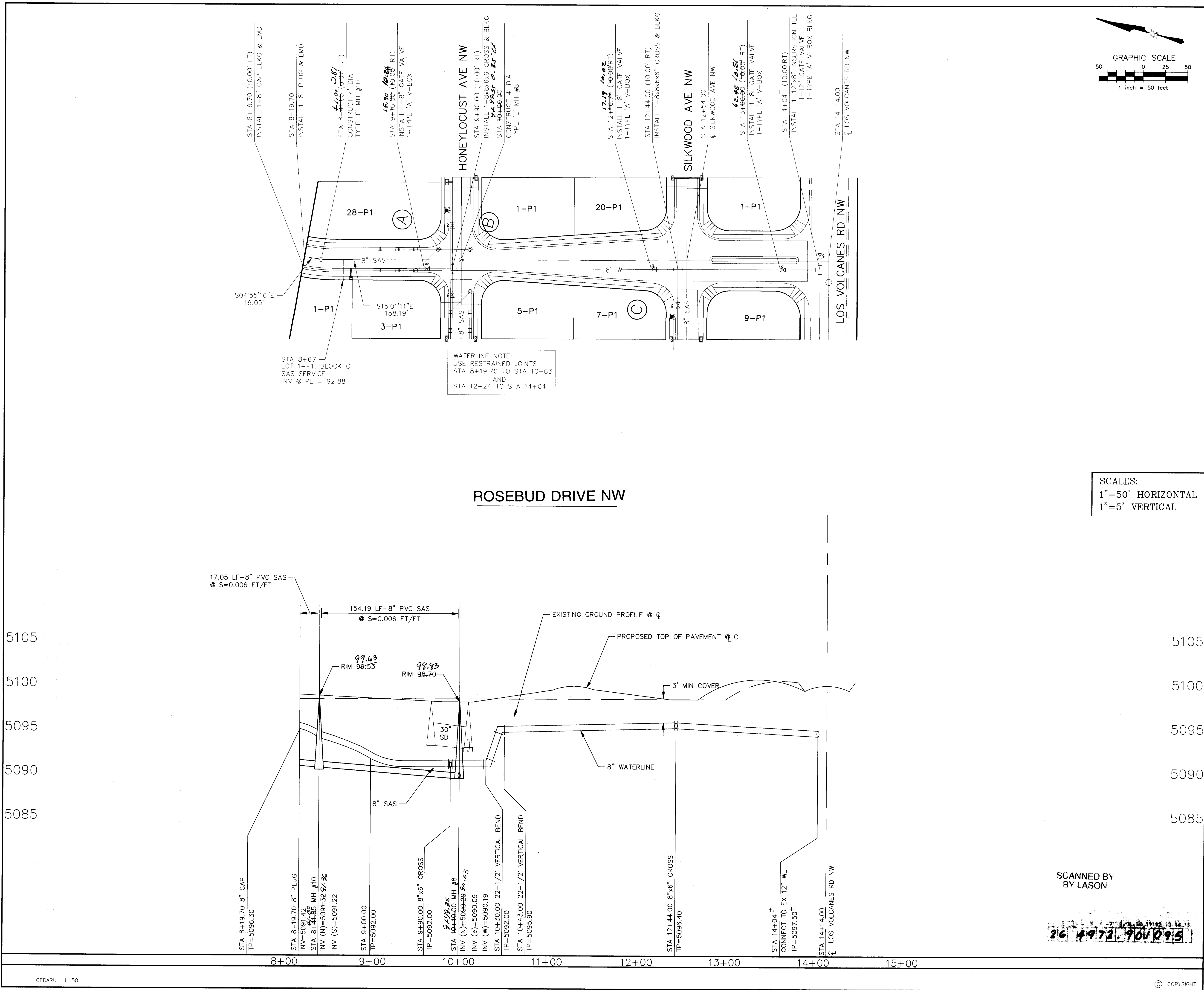
SCALES:
1"=50' HORIZONTAL
1"=5' VERTICAL

BRASHER ENGINEERING, INC.

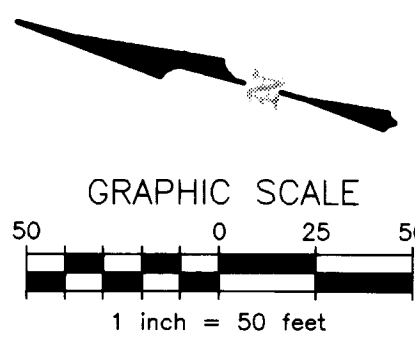
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CEDAR RIDGE ESTATES STREET PAVING PLAN & PROFILE HONEYLOCUST AVENUE NW					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	TRANS. DEV.	HYDROLOGY	WATER	N/A R/W	8-26-94
			WASTEWATER	N/A R/W	8-26-94

PROJECT NO.	4972.90	MAP NO.	J-10	SHEET	8 OF 18
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SCALES:
1"=50' HORIZONTAL
1"=5' VERTICAL



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

NOTE:

1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

AS BUILT INFORMATION

CONTRACTOR	DATE

BENCH MARKS

NO.	BY	DATE

SURVEY INFORMATION

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY

D.A.L.

DATE

6/94

DRAWN BY

D.M.B.

DATE

6/94

CHECKED BY

D.A.L.

DATE

6/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

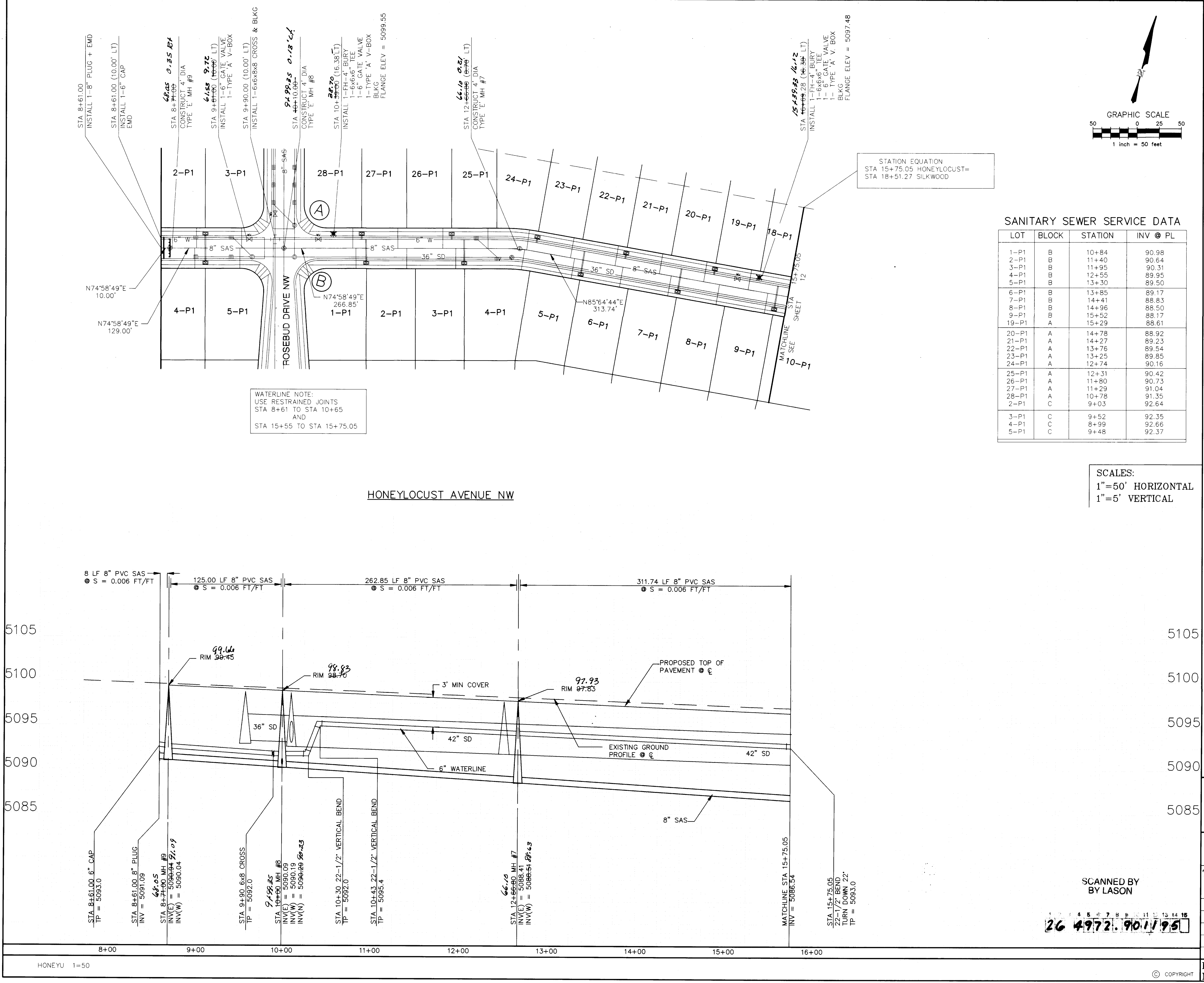
TITLE: CEDAR RIDGE ESTATES
WATER & SANITARY PLAN & PROFILE
ROSEBUD DRIVE NW

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR		11-1-94	WATER	R.W. Kane	8-26-94
TRANS. DEV.		7-21-94	WASTEWATER	R.W. Kane	8-26-94
HYDROLOGY		7-21-94			

PROJECT NO. 4972.90

MAP NO. J-10

SHEET 10 OF 18



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT	4"	4"
WATER VALVE	4"	4"
WATER SERVICE	4"	4"
CURB	4"	4"
DROP INLET	4"	4"
OVERHEAD ELEC	OHE	OHE
PROPERTY LINE	FL 0.14	FL 0.14
FLOWLINE ELEV.	99.3	99.31
TOP OF CURB ELEV.	99.3	99.31

NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

GRAPHIC SCALE

1 inch = 50 feet

STATION EQUATION

STA 15+75.05 HONEYLOCUST=

STA 18+51.27 SILKWOOD

SANITARY SEWER SERVICE DATA

LOT	BLOCK	STATION	INV @ PL
1-P1	B	10+84	90.98
2-P1	B	11+40	90.64
3-P1	B	11+95	90.31
4-P1	B	12+55	89.95
5-P1	B	13+30	89.50
6-P1	B	13+85	89.17
7-P1	B	14+41	88.83
8-P1	B	14+96	88.50
9-P1	B	15+52	88.17
19-P1	A	15+29	88.61
20-P1	A	14+78	88.92
21-P1	A	14+27	89.23
22-P1	A	13+76	89.54
23-P1	A	13+25	89.85
24-P1	A	12+74	90.16
25-P1	A	12+31	90.42
26-P1	A	11+80	90.73
27-P1	A	11+29	91.04
28-P1	A	10+78	91.35
2-P1	C	9+03	92.64
3-P1	C	9+52	92.35
4-P1	C	8+99	92.66
5-P1	C	9+48	92.37

SCALES:

1"=50' HORIZONTAL

1"=5' VERTICAL

AS BUILT INFORMATION

CONTRACTOR	DATE
BRASHER ENGINEERING, INC.	6/94

BENCH MARKS

NO.	DATE	BY
1	6/94	R.W. Kane

SURVEY INFORMATION

NO.	DATE	BY
1	6/94	R.W. Kane

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS
1	6/94	DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

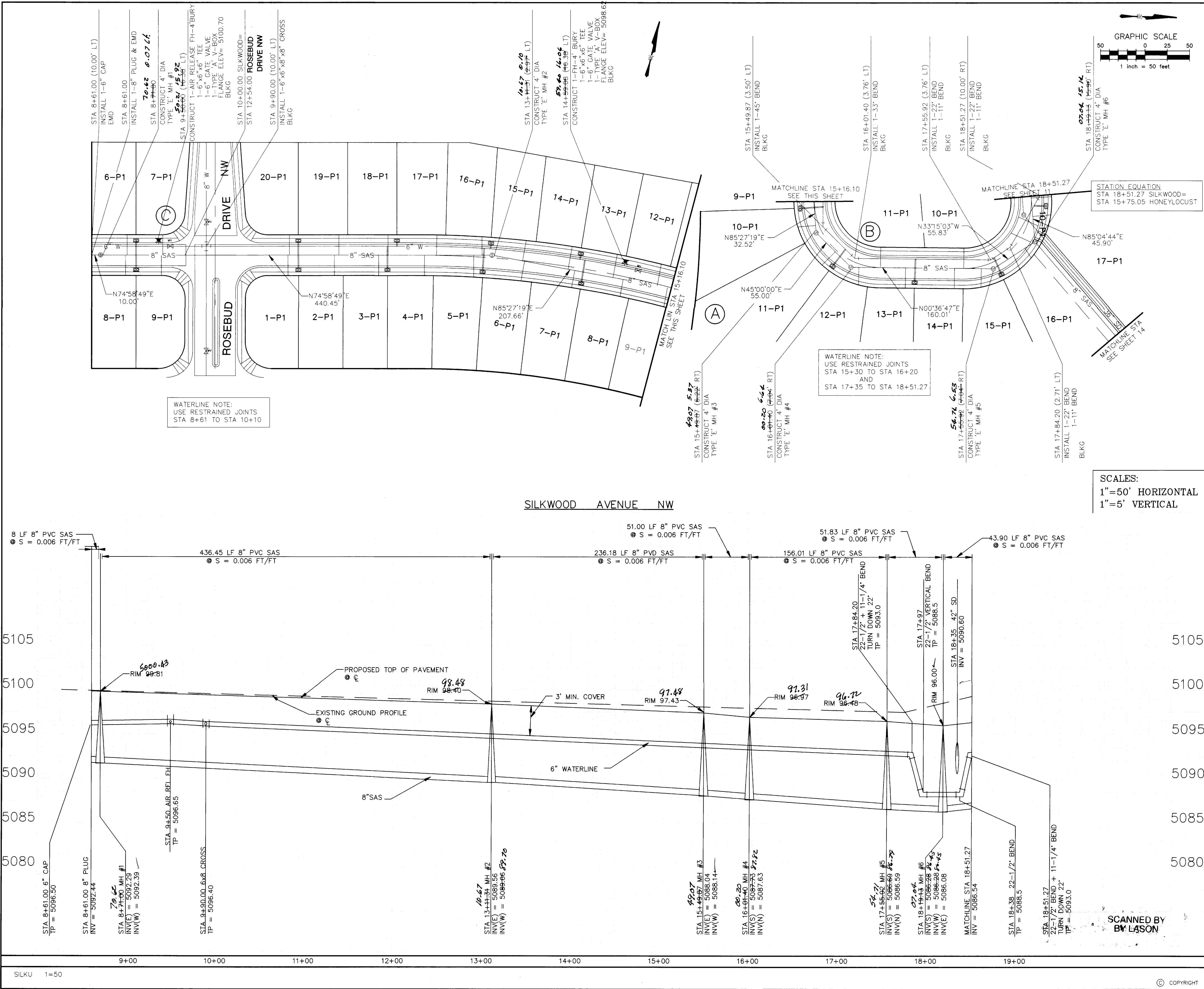
TITLE: CEDAR RIDGE ESTATES
WATER & SANITARY SEWER PLAN & PROFILE
HONEYLOCUST AVENUE NW

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	R.W. Kane	8-26-94	WATER	R.W. Kane	8-26-94
TRANS. DEV.	R.W. Kane	8-26-94	WASTEWATER	R.W. Kane	8-26-94
HYDROLOGY	R.W. Kane	8-26-94			

PROJECT NO. 4972.90

MAP NO. J-10

SHEET 11 OF 18



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC		
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

SANITARY SEWER SERVICE DATA

LOT	BLOCK	STATION	INV	PL
1-P1	A	10+83	92.83	
2-P1	A	11+33	92.53	
3-P1	A	11+83	92.23	
4-P1	A	12+34	91.92	
5-P1	A	12+90	91.58	
6-P1	A	13+45	91.17	
7-P1	A	14+00	90.84	
8-P1	A	14+55	90.51	
9-P1	A	15+06	90.20	
10-P1	A	15+45	89.97	
11-P1	A	15+77	89.77	
12-P1	A	16+13	89.55	
13-P1	A	16+61	89.08	
14-P1	A	17+16	88.75	
15-P1	A	17+52	88.50	
16-P1	A	17+90	88.20	
17-P1	A	18+17	88.10	
18-P1	A	18+51	88.34	
10-P1	B	17+26	88.69	
11-P1	B	16+33	89.25	
12-P1	B	15+05	90.28	
13-P1	B	14+54	90.59	
14-P1	B	14+03	90.90	
15-P1	B	13+52	91.20	
16-P1	B	13+01	91.51	
17-P1	B	12+50	91.82	
18-P1	B	11+98	92.13	
19-P1	B	11+42	92.47	
20-P1	B	10+87	92.81	
6-P1	C	9+03	93.91	
7-P1	C	9+41	93.68	
8-P1	C	8+99	93.93	
9-P1	C	9+37	93.70	

SCALES:

1"=50' HORIZONTAL

1"=5' VERTICAL

AS BUILT INFORMATION

CONTRACTOR	DATE
BRASHER ENGINEERING, INC.	6/94

BENCH MARKS

MARK	DATE
ACS BRASS CAP "16-J11" LOCATED AT THE INTERSECTION OF COORS RD NW AND FORTUNA RD NW	6/94

SURVEY INFORMATION

FIELD NOTES	NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	4/9/94	DESIGN	

DESIGNED BY D.A.L.

DRAWN BY D.M.B.

CHECKED BY D.A.L.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CEDAR RIDGE ESTATES
WATER & SANITARY SEWER PLAN & PROFILE
SILKWOOD AVENUE NW

APPROVALS: D.R.C. CHAIR, TRANS. DEV., HYDROLOGY

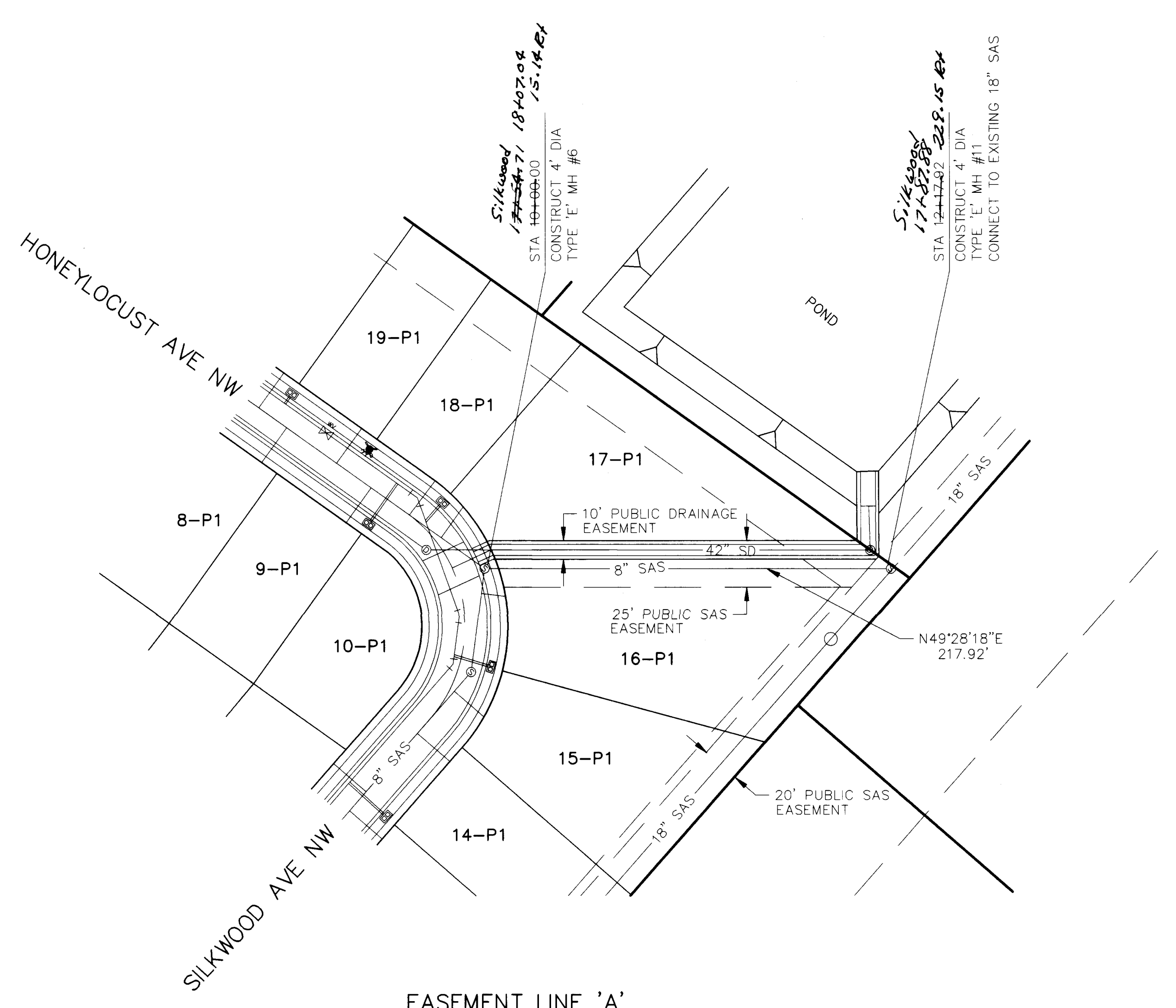
ENGINEER: R.W. Kane, 8-2694

DATE: 8-26-94

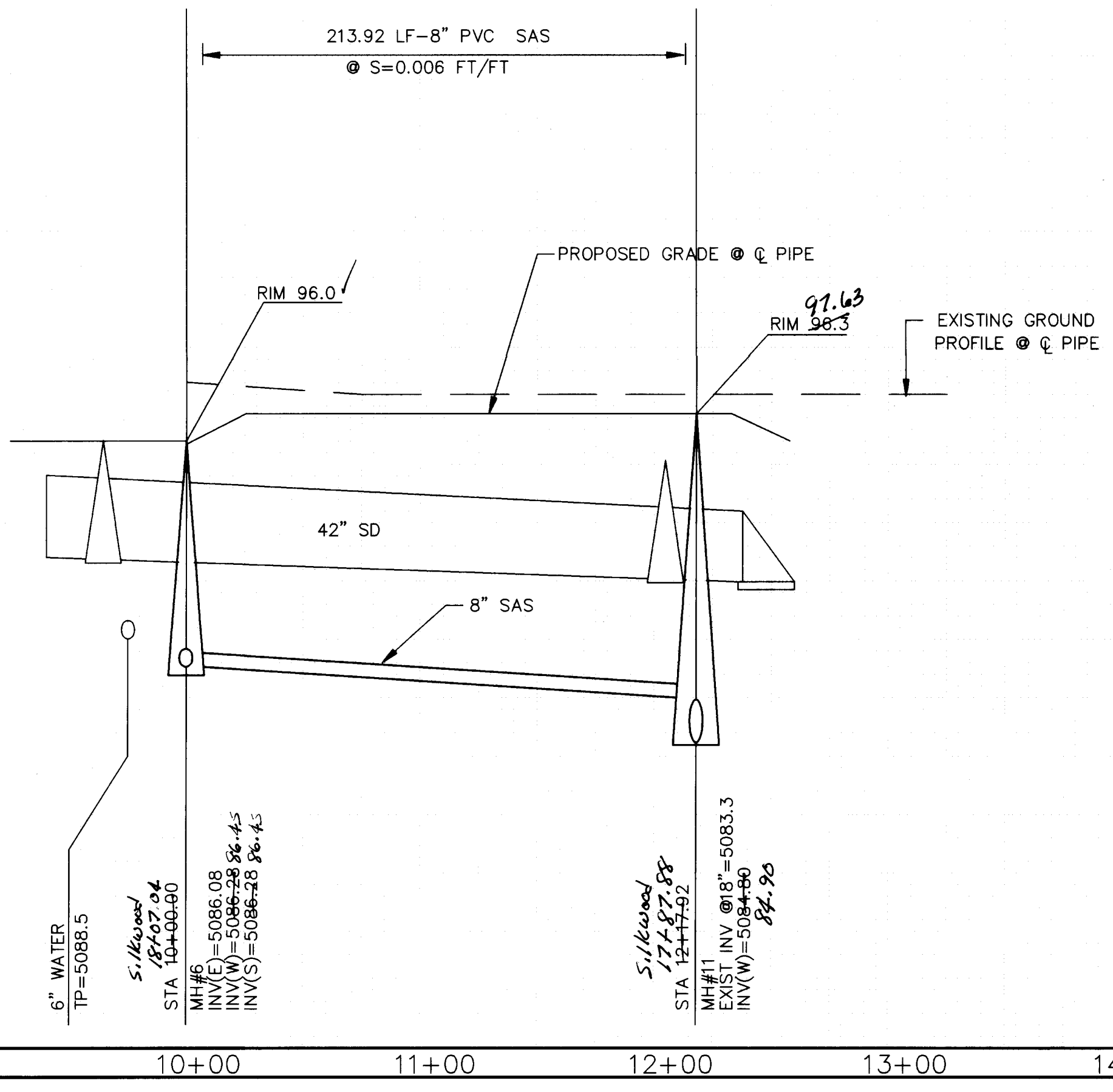
PROJECT NO. 4972.90

MAP NO. J-10

SHEET 12 OF 18



EASEMENT LINE 'A'



SCALES:
1"=50' HORIZONTAL
1"=5' VERTICAL

SCANNED BY
BY LASON

26 4972.90 11-1-94 7-02-94 9-20-94

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT	4"	4"
WATER VALVE	4"	4"
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE	FL 0.14	FL 0.14
FLOWLINE ELEV.	99.3	99.31
TOP OF CURB ELEV.		

NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

AS BUILT INFORMATION

CONTRACTOR	DATE
STAKED BY	
INSPECTED BY	
FIELD NOTES BY	
REVISIONS BY	
CHECKED BY	
APPROVED BY	

CONTRACTOR: ACS BRASS CAP "16-J1" LOCATED AT THE INTERSECTION OF COORS RD NW AND FORTUNA RD NW ELEVATION = 5096.674 FEET

SURVEY INFORMATION

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS
		DESIGN

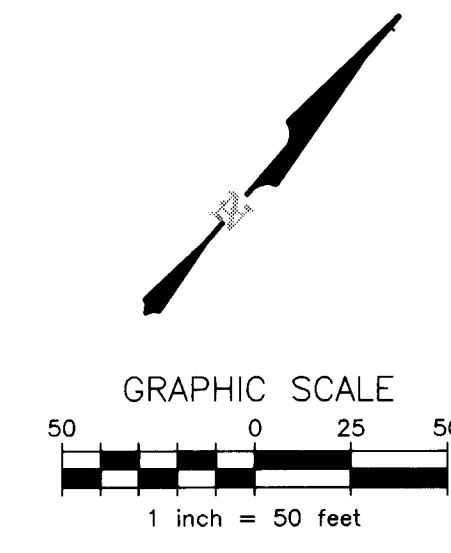
DESIGNED BY: D.A.L. DATE: 6/94
DRAWN BY: D.M.B. DATE: 6/94
CHECKED BY: D.A.L. DATE: 6/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CEDAR RIDGE ESTATES
WATER & SANITARY SEWER PLAN & PROFILE
EASEMENT LINE 'A'

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	B.G. Smith	11-1-94	WATER	R.W. Kane	8-26-94
TRANS. DEV	N.A. R. W.	7-02-94	WASTEWATER	A.W. Kane	8-26-94
HYDROLOGY	N.A.P.P.C.	9-20-94			

PROJECT NO. 4972.90 MAP NO. J-10 SHEET 13 OF 18



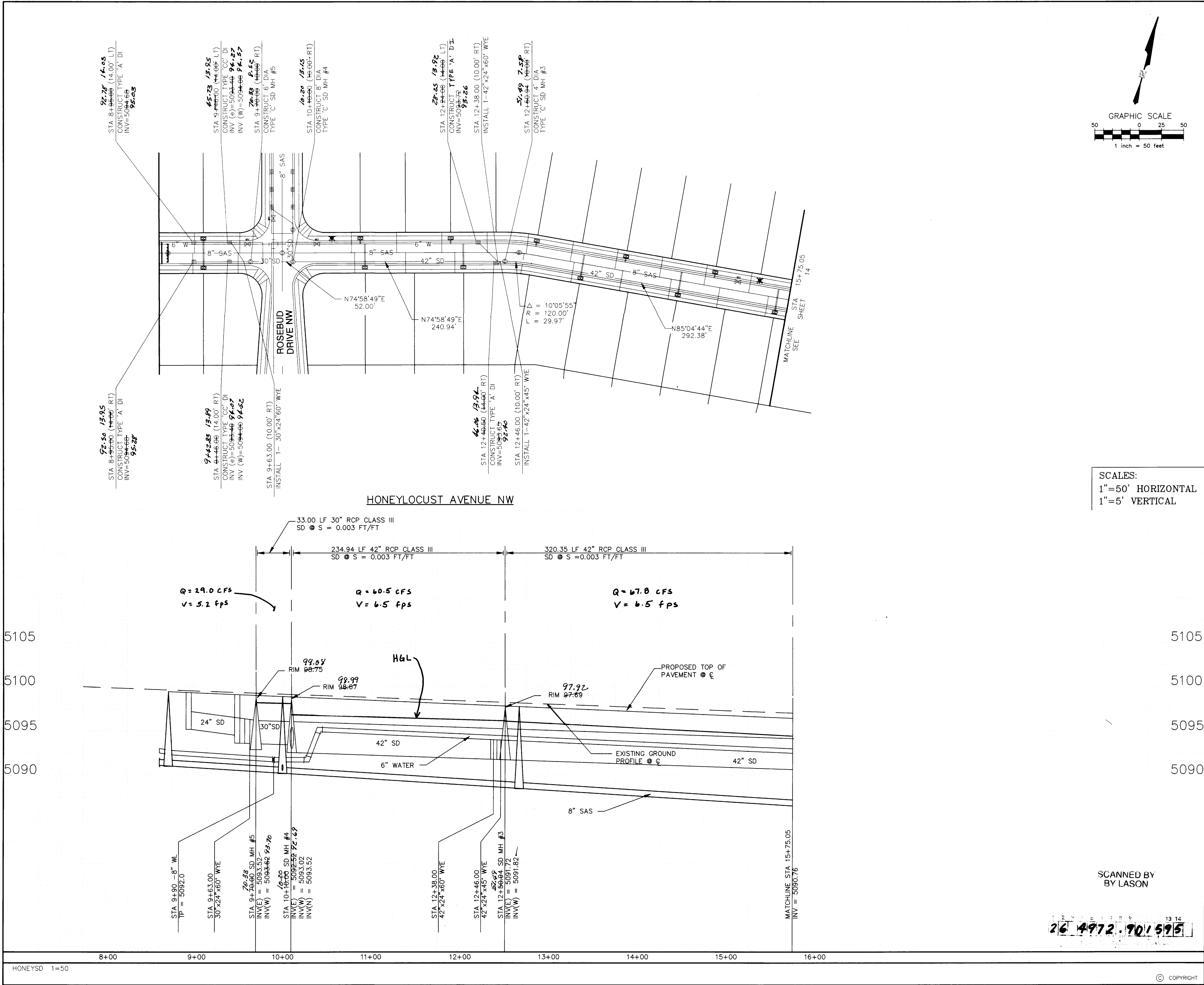
SCALES:
1"=50' HORIZONTAL
1"=5' VERTICAL



NOTE:

1. ALL RIGHT-OF-WAY IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: CEDAR RIDGE ESTATES STORM DRAINAGE PLAN & PROFILE EASEMENT LINE 'B'					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	<i>Sp. Larkley</i>	11-1-94	WATER	N/A RWK	8-26-94
TRANS. DEV.	NH CHO	9-22-94	WASTEWATER	N/A RWF	8-26-94
HYDROLOGY	<i>J. Austin</i>	9-22-94			
PROJECT NO	4972.90	MAP NO	J-10	SHEET	14 OF 18



SCALES:
1"=50' HORIZONTAL
1"=5' VERTICAL

SCANNED BY
BY LASON

26 4972.90 595

PROJECT NO. 4972.90

MAP NO. J-10

SHEET 15 OF 18

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT	*	*
WATER VALVE	*	*
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

NOTE:

- ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
- ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

AS BUILT INFORMATION

CONTRACTOR	WORK	DATE

BENCH MARKS

NO.	DATE	BY

SURVEY INFORMATION

NO.	DATE	BY

FIELD NOTES

ACS BRASS CAP "16-J11" LOCATED AT THE INTERSECTION OF COORS RD NW AND FORTUNA RD NW ELEVATION = 5096.674 FEET

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY

D.A.L.

DRAWN BY

D.M.B.

CHECKED BY

D.A.L.

DATE

6/94

DATE

6/94

DATE

6/94

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING GROUP

TITLE:

CEDAR RIDGE ESTATES
STORM DRAINAGE PLAN & PROFILE
HONEYLOCUST AVENUE NW

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	8/9/94	WATER	N/A RWK	8/26/94
TRANS. DEV.	9/2/94	WASTEWATER	N/A RWK	8/26/94
HYDROLOGY	9/2/94			

PROJECT NO.

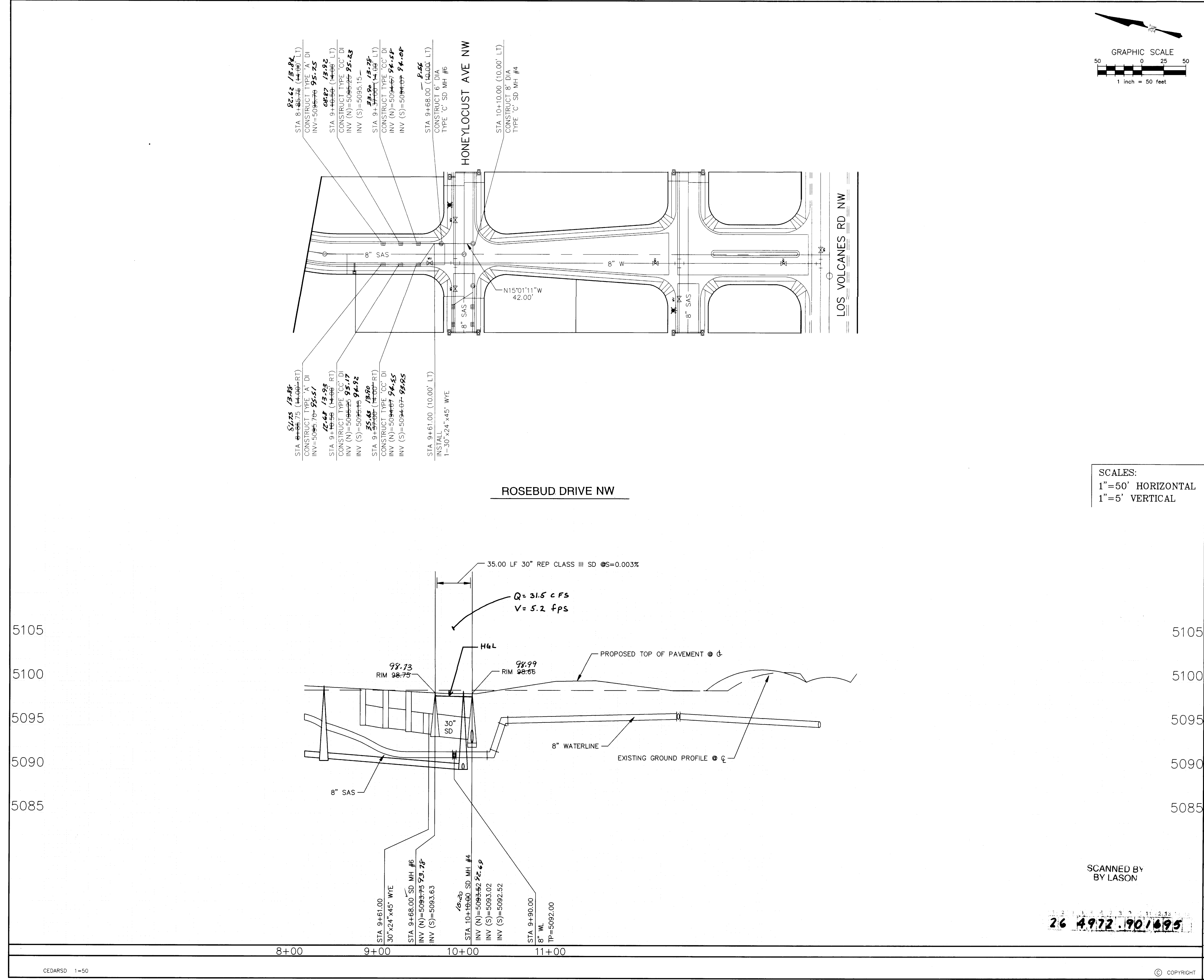
4972.90

MAP NO.

J-10

SHEET

15 OF 18



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE OF RIGHT-OF-WAY UNLESS OTHERWISE NOTED.
2. ALL SANITARY SEWER & STORM SEWER LENGTHS AND SLOPES ARE BASED ON TRUE PIPE LENGTH.

AS BUILT INFORMATION

CONTRACTOR	DATE
INSPECTOR'S	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTION BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

SURVEY INFORMATION

FIELD NOTES	DATE
BY	
NO.	

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

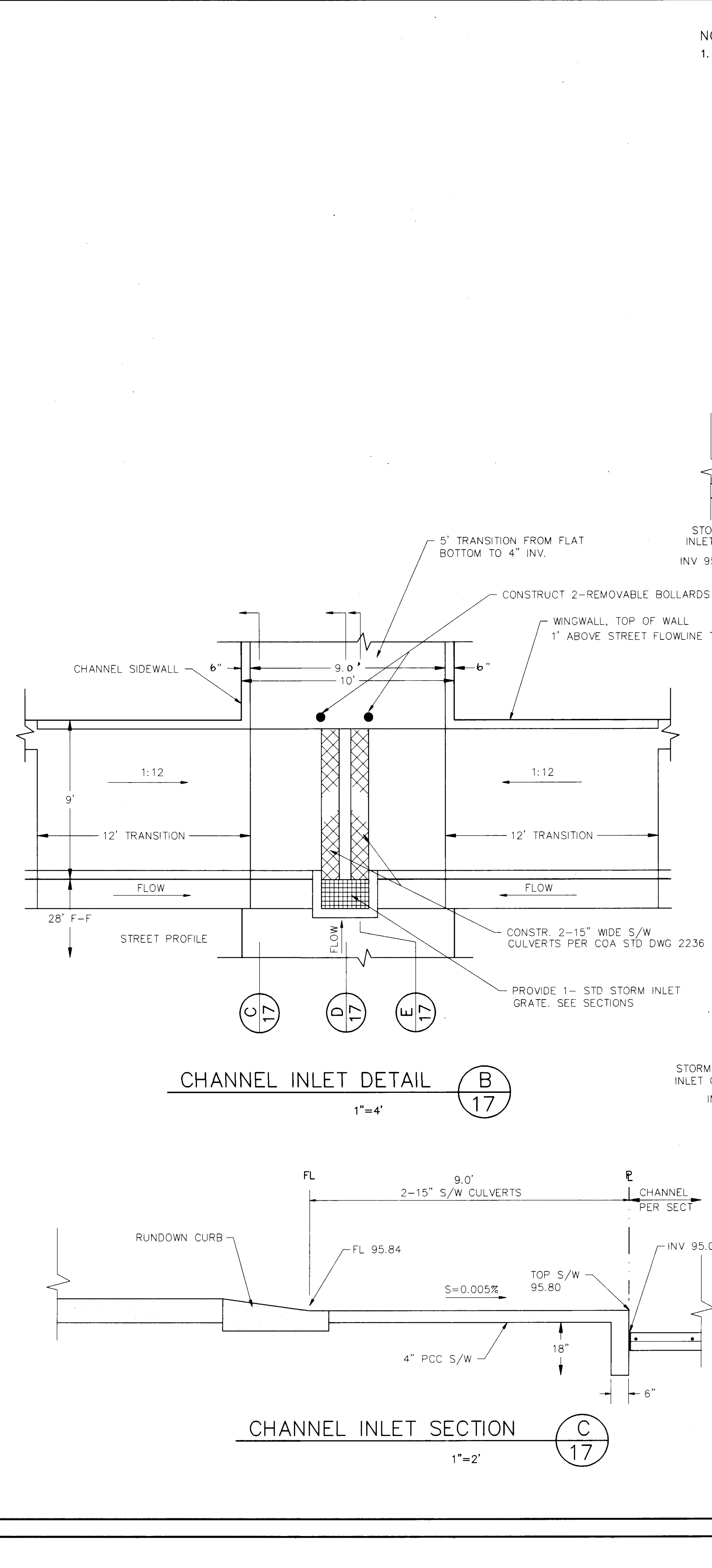
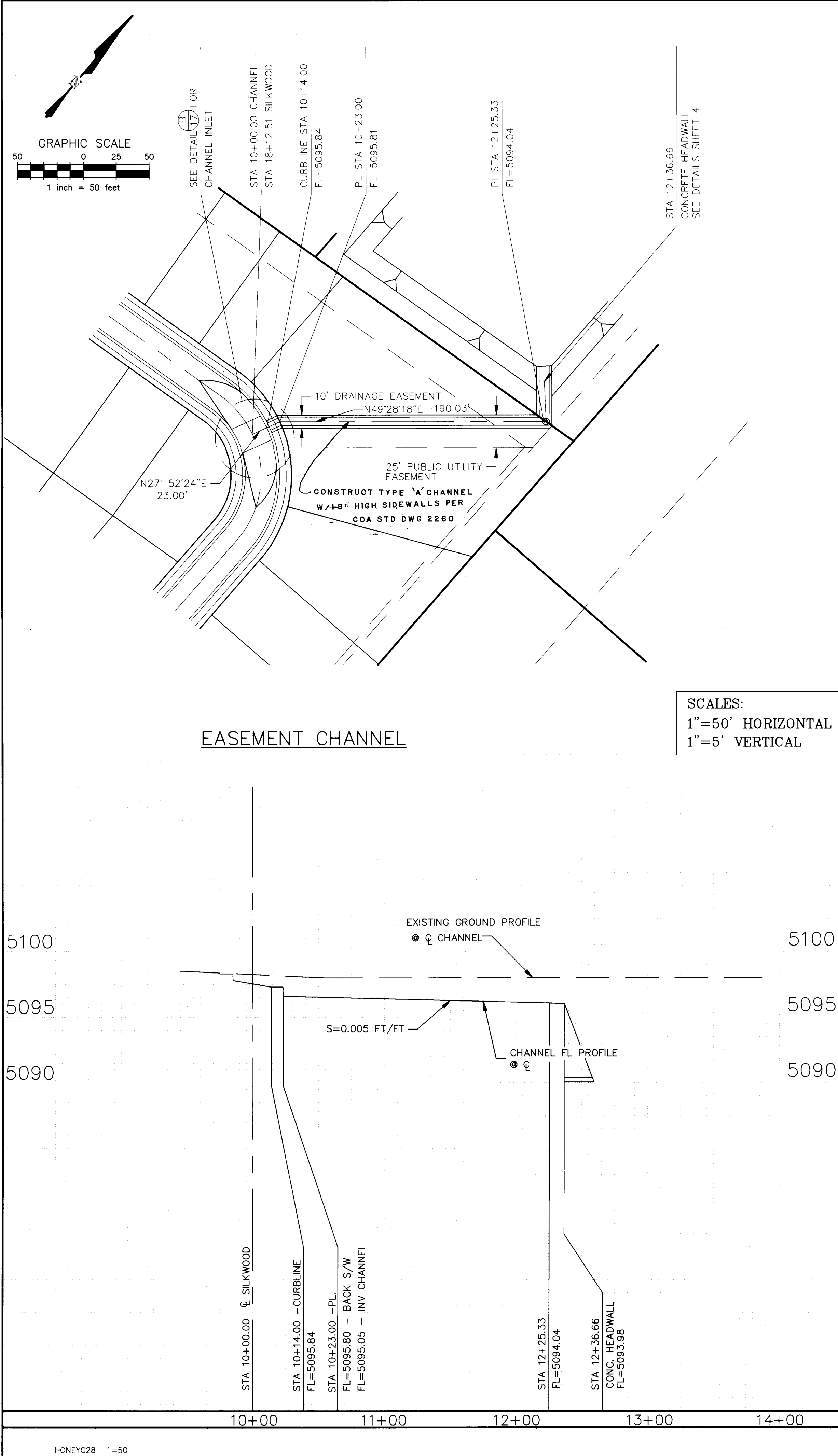
DESIGNED BY D.A.L. DATE 6/94
DRAWN BY D.M.B. DATE 6/94
CHECKED BY D.A.L. DATE 6/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CEDAR RIDGE ESTATES
STORM DRAINAGE PLAN & PROFILE
ROSEBUD DRIVE NW

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR			WATER	N/A RWK 8-26-94	
TRANS. DEV.			WASTEWATER	N/A RWK 8-26-94	
HYDROLOGY					

PROJECT NO. 4972.90
MAP NO. J-10
SHEET 16 OF 18



NOTE:
1. ALL STATIONING IS BASED ON CENTERLINE
OF RIGHT-OF-WAY UNLESS OTHERWISE
NOTED.

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	8" WL	8" WL
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	24" SD	24" SD
FIRE HYDRANT		
WATER VALVE		
WATER SERVICE		
CURB		
DROP INLET		
OVERHEAD ELEC	OHE	
PROPERTY LINE		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31

AS BUILT INFORMATION

CONTRACTOR	DATE
BRASHER ENGINEERING, INC. <td></td>	

BENCH MARKS

ACS BRASS CAP "16-J11" LOCATED
AT THE INTERSECTION OF COORS
RD NW AND FORTUNA RD NW
ELEVATION = 5096.674 FEET

SURVEY INFORMATION

NO.	DATE	BY

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS

DESIGNED BY D.A.L. DATE 6/94
DRAWN BY D.M.B. DATE 6/94
CHECKED BY D.A.L. DATE 6/94

BRASHER ENGINEERING, INC.

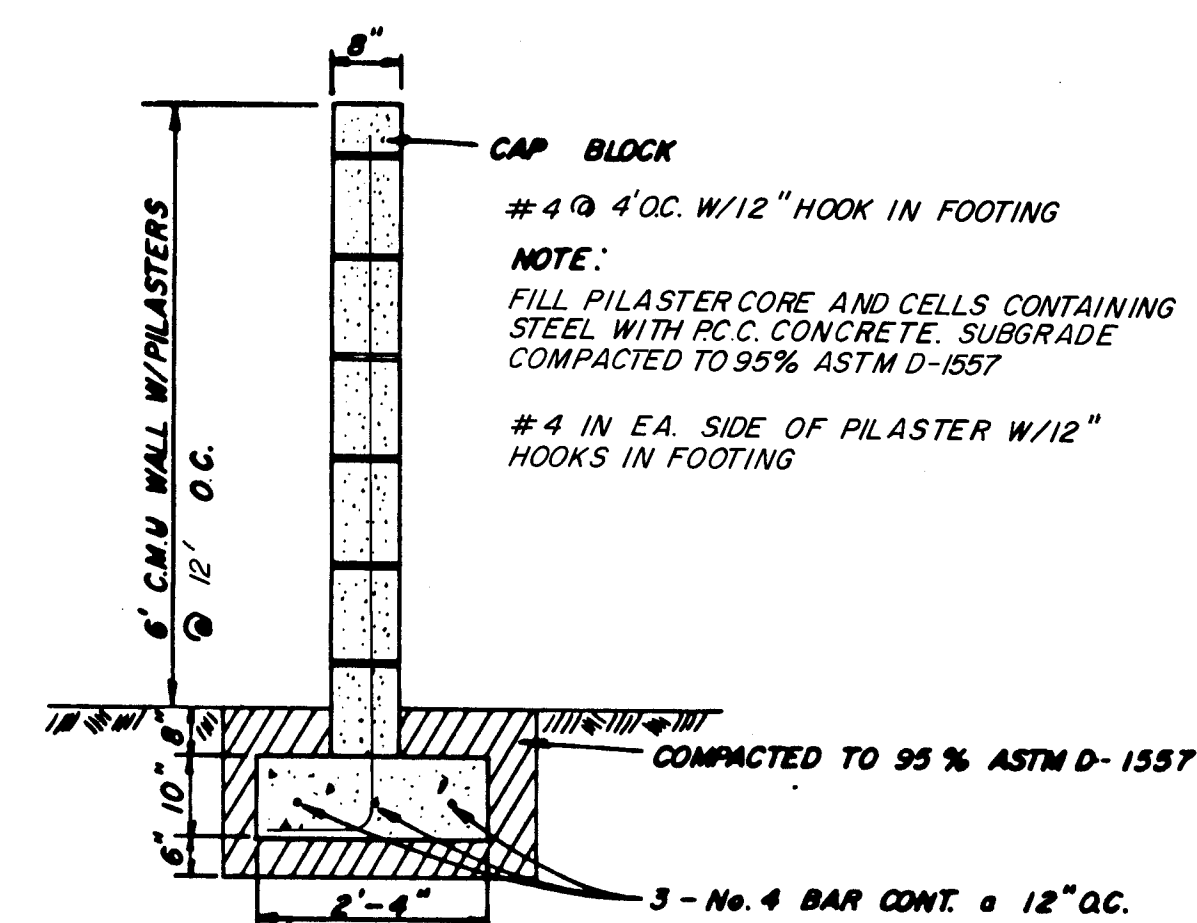
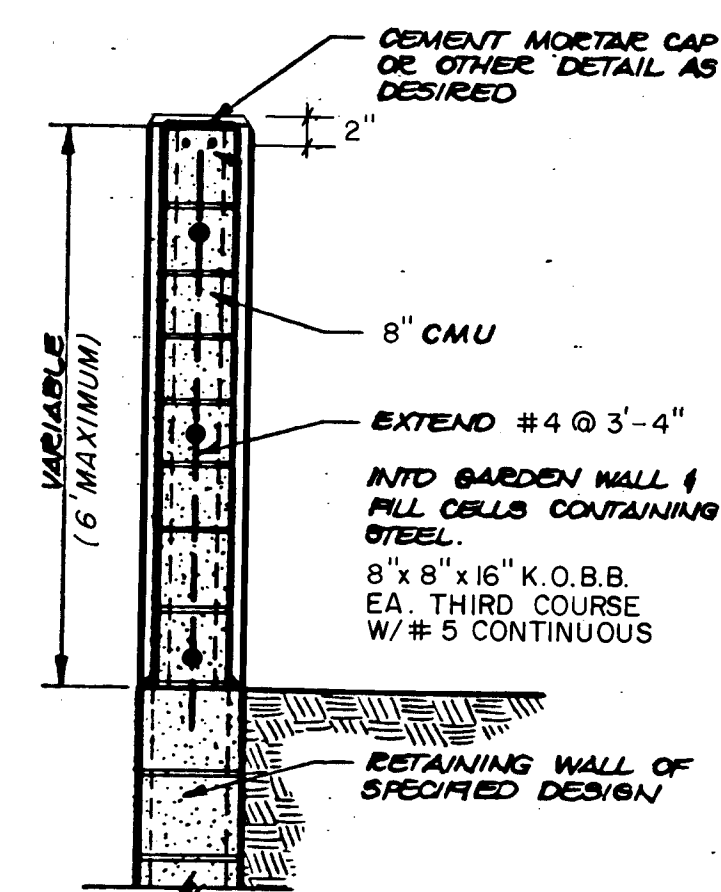
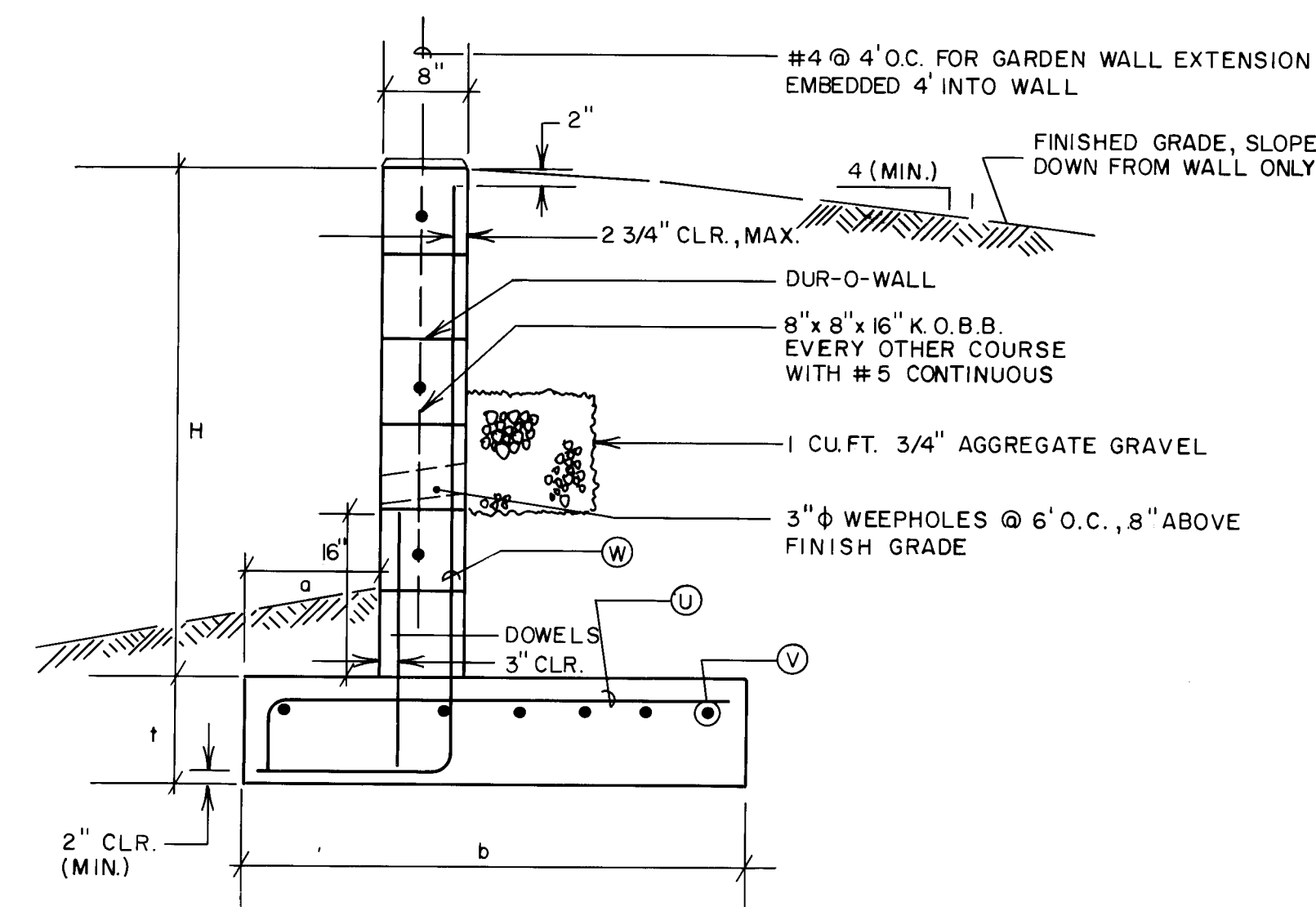
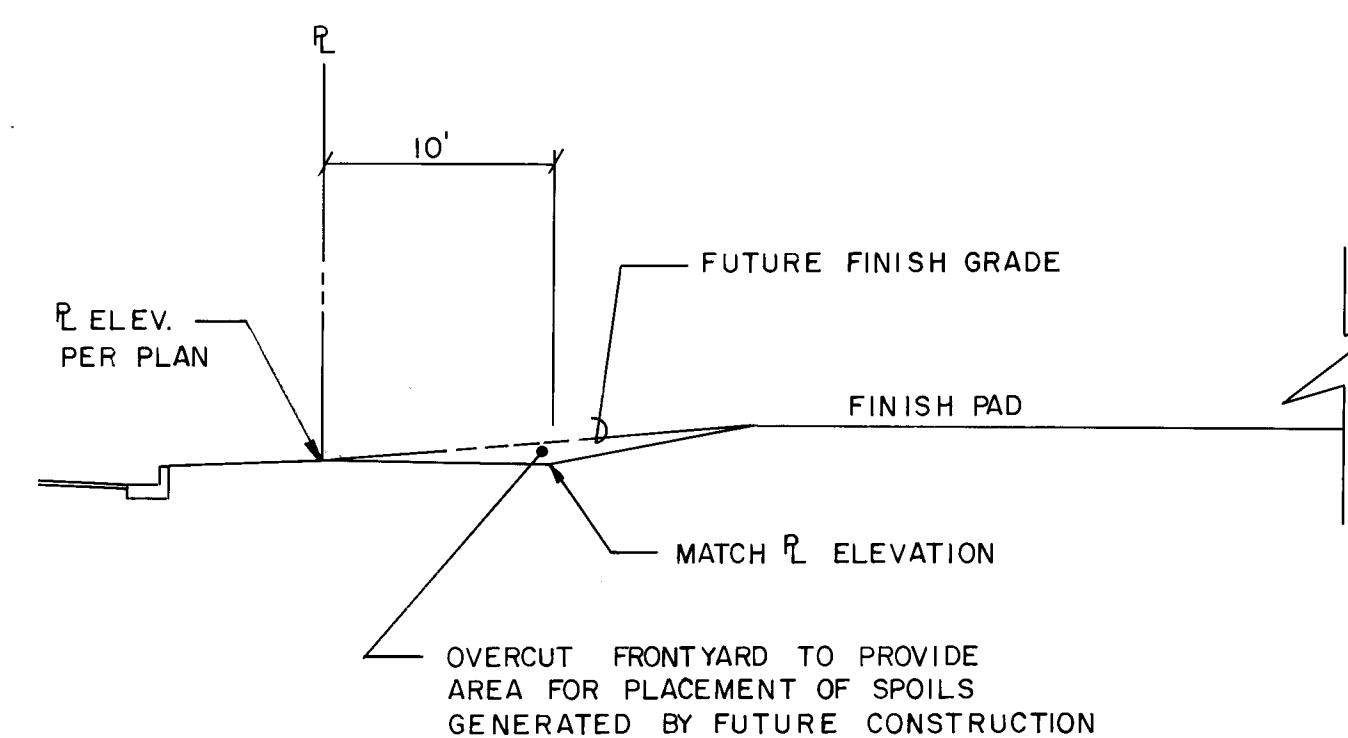
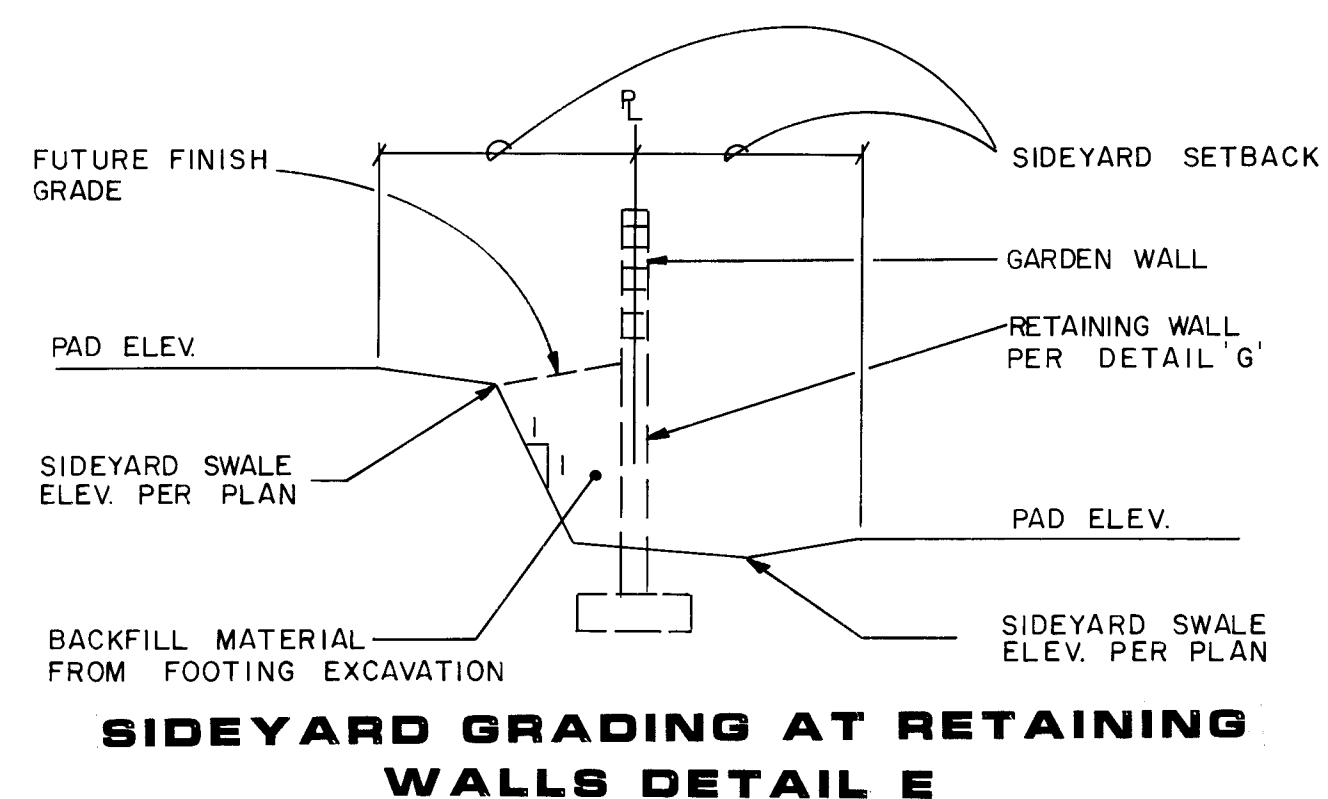
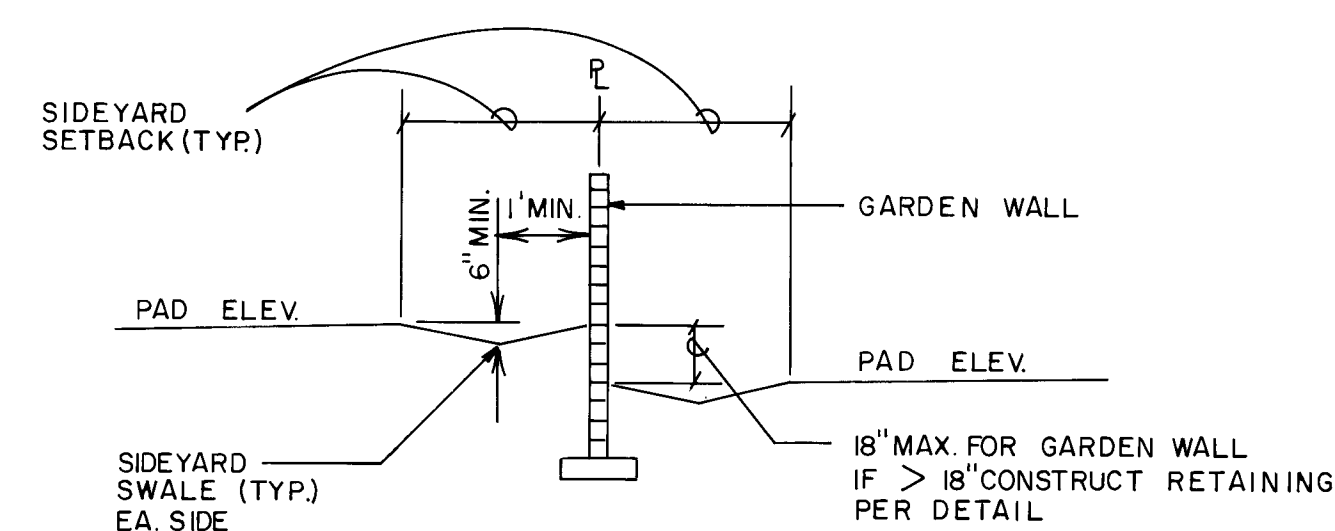
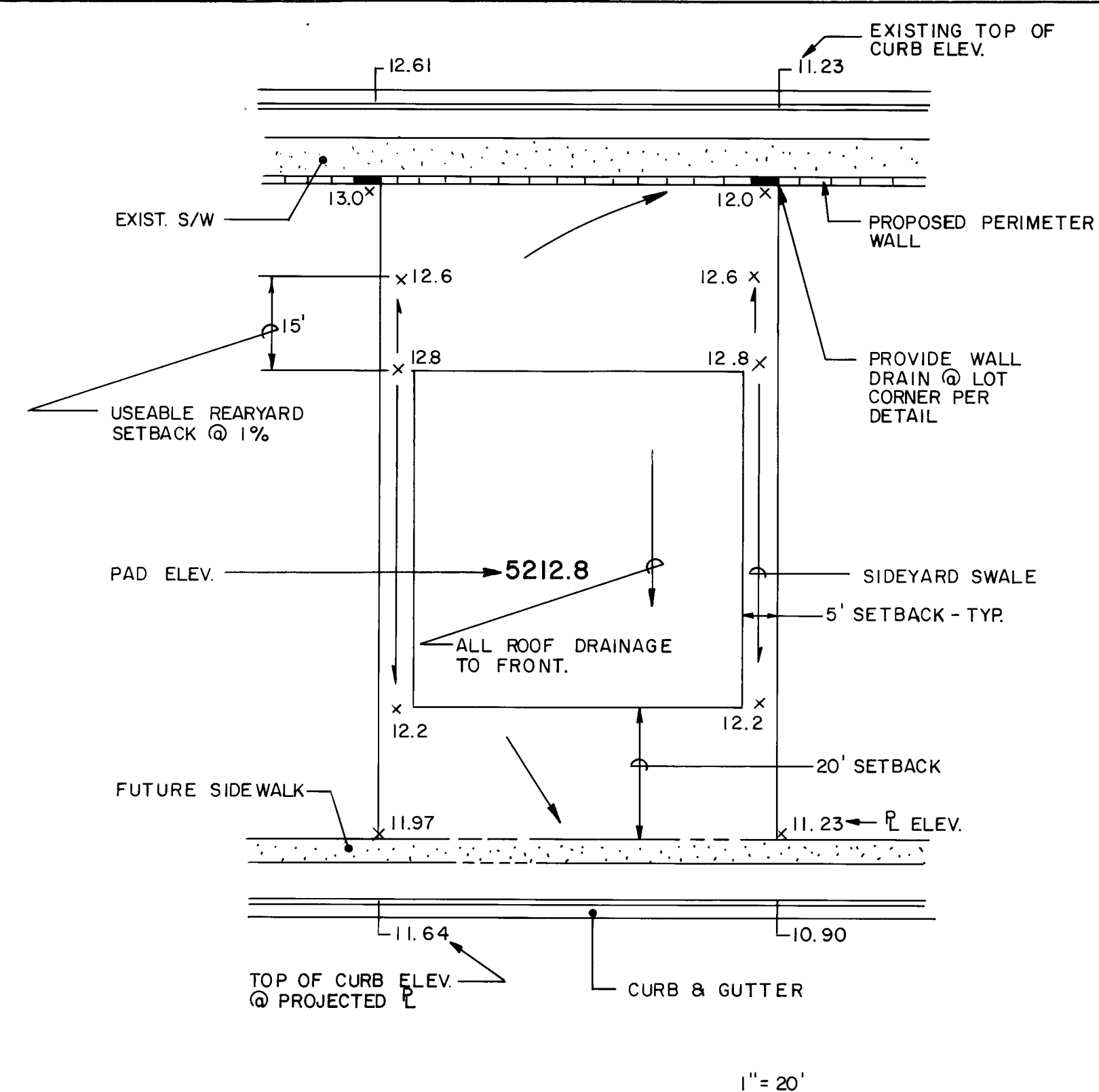
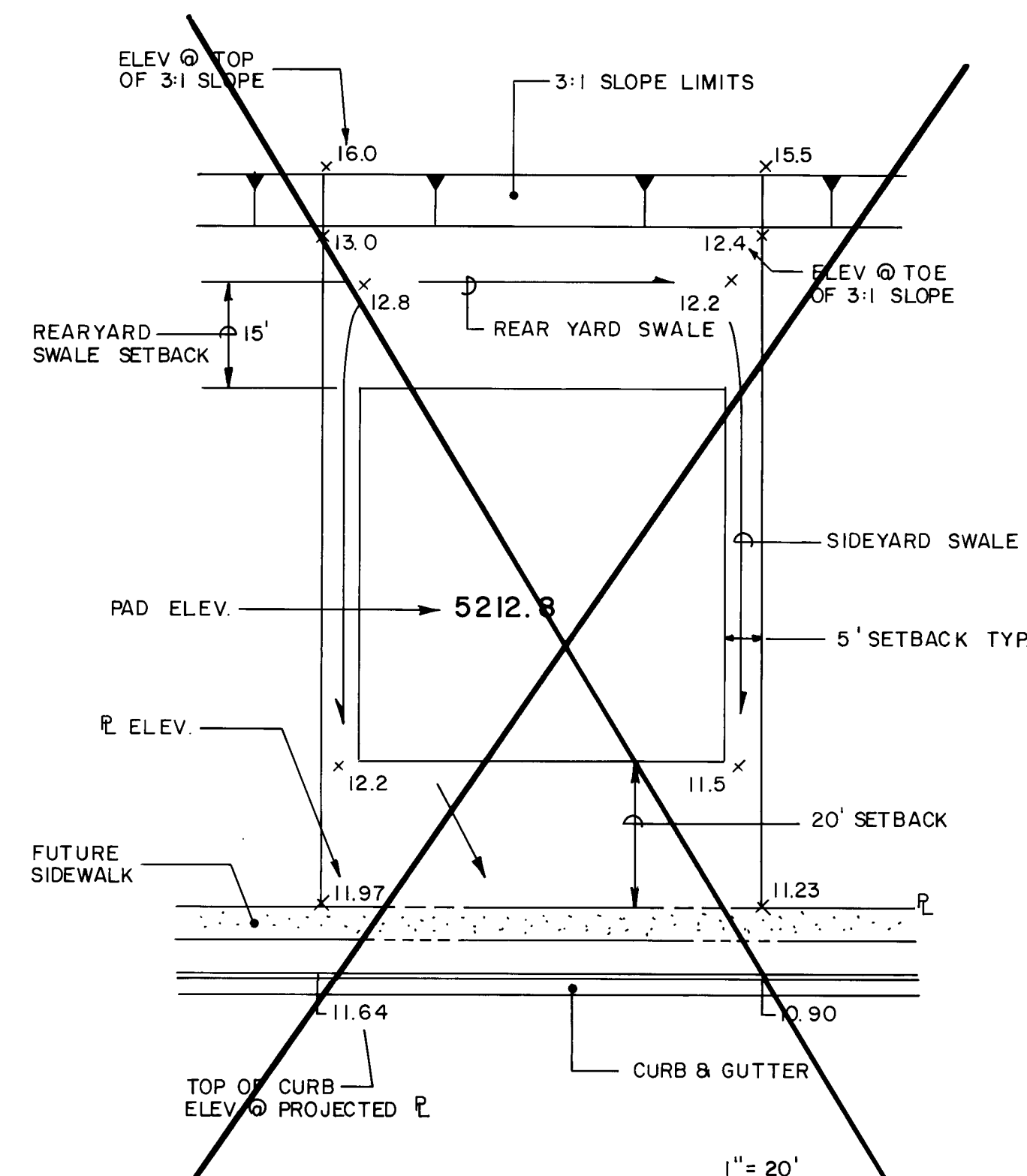
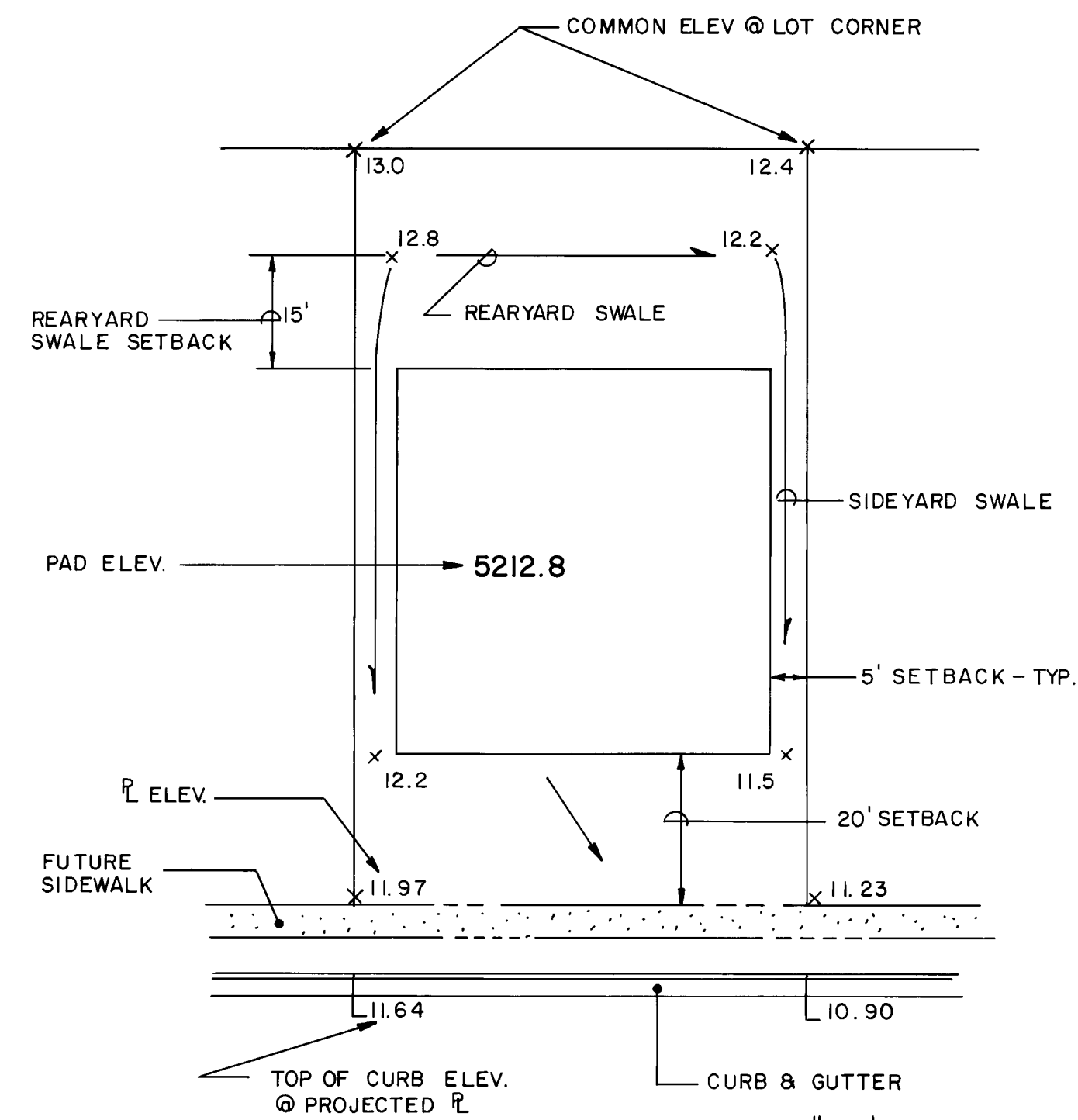
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CEDAR RIDGE ESTATES
STORM DRAINAGE PLAN & PROFILE
EASEMENT CHANNEL

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. CHAIR	11-1-94	WATER	N/A RUK	8-26-94
TRANS. DEV.	7-01-94	WASTEWATER	N/A RUK	8-26-94
HYDROLOGY				

PROJECT NO. 4972.90 MAP NO. J-10 SHEET 17 OF 18



H	a	b	t	U	Y	W	Dowels
1'-6" - 3'-0"	12"	3'-4"	10"	#5@10"	#4@12"	#4@8"	-
3'-6" - 4'-0"	12"	3'-10"	10"	#5@8"	#4@12"	#5@8"	#4@24"
4'-0" - 5'-0"	12"	4'-4"	10"	#5@6"	#4@12"	#5@8"	#4@16"
5'-0" - 6'-0"	12"	4'-8"	10"	#5@6"	#4@10"	#5@8"	#4@16"
6'-0" - 7'-0"	15"	5'-6"	12"	#5@6"	#4@8"	#6@8"	#4@18"

CMU RETAINING WALL DETAIL "G"

GARDEN WALL EXTENSION DETAIL H

CMU WALL DETAIL J

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6		4	9	7	2	.	9	0	/	8	9	5	

GENERAL NOTES FOR RETAINING WALL

1. REINFORCE CLEARANCE IN ALL CHU = 9-3/4" MAX.
2. REINFORCE CLEARANCE IN ALL CONCRETE = 2" MIN.
3. REINFORCE STEEL YIELD STRENGTH = 60 KSI.
4. CONCRETE COMP. STRENGTH @ 28 DAYS = 4000 PSI.
5. 1/2" FELT EXPANSION JOINT TO BE PROVIDED EVERY 16 FT. IN CHU AND CONCRETE AND AT TRANSITIONS IN SECTIONS.
6. USE DUK-O-WAL 9 GA. DIAG. EVERY OTHER COURSE.
7. ALL CHU CELLS SHALL BE FILLED WITH CONCRETE.
8. ALL FOOTING COMPACTION SHALL BE 95% MODIFIED PROCTOR PER ASTM D-1557.
9. TWO (2) WORKING DAYS BEFORE CONSTRUCTION, CONTRACTOR SHALL NOTIFY LINE LOCATING SERVICE, 765-1234, FOR UTILITY LOCATIONS. CONTRACTOR SHALL COORDINATE ANY ADJUSTMENTS TO UTILITIES WITH THE UTILITIES COMPANIES.
10. KNOCK OUT BOMB BEAMS TO BE INSTALLED EVERY OTHER COURSE.
11. HUMIDITY BARRIER COATING SHALL BE APPLIED TO ALL BURIED CHU SURFACES.
12. WALLS DESIGNED FOR LEVEL BACKFILL ONLY.
13. BACK FILLING AGAINST REINFORCED CONCRETE MASONRY RETAINING WALL SHOULD NOT BE PERMITTED UNTIL 7 DAYS AFTER PLACING THE CORE FILL CONCRETE OR MORTAR. WHEN SUCH EQUIPMENT IS USED IN BACK FILLING WALLS DESIGNED TO RESIST BATH PRESSURE ONLY, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD ALSO BE TAKEN TO AVOID EXERTING LARGE TIGHT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH.

[illegible]