

RICHLAND HILLS SUBDIVISION - UNIT 1

CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING AND UTILITIES

INDEX TO DRAWINGS

WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

N.M.U., INC. GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT NMUI AT 898-2661 AT LEAST THREE DAYS PRIOR TO ANY UTILITY CONSTRUCTION (INCLUDING CONNECTIONS TO THE EXISTING SYSTEM) TO COORDINATE THE VARIOUS ITEMS OF WORK WITH NMUI OPERATIONS STAFF.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FROM HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987.
3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FROM HEREON, BE CONSTRUCTED IN ACCORDANCE WITH NEW MEXICO UTILITIES, INC. (NMUI) STANDARD SPECIFICATIONS. IF NMUI SPECIFICATIONS ARE IN CONFLICT WITH THE NEW MEXICO SPECIFICATIONS, NMUI SPECIFICATIONS SHALL TAKE PRIORITY.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
6. THE CONTRACTOR SHALL FURNISH EMD'S ON ALL WATER AND SEWER SERVICE STUBS, CAPS AND PLUGS.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS, CITY OF ALBUQUERQUE SPECIFICATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A "BARRICADING PERMIT" PRIOR TO COMMENCEMENT OF WATER OR SEWER CONSTRUCTION. REFER TO SECTION 19 OF THE CITY OF ALBUQUERQUE SPECIFICATIONS.

SHEET NO.

DESCRIPTION

SHEET NO.

DESCRIPTION

1	COVER SHEET AND INDEX TO DRAWINGS
2-3	PLAT OF GEOMETRY
4-5	GRADING AND EROSION CONTROL PLANS
5A	TYPICAL LOT GRADING DETAILS
6	INTERSECTION AND MEDIAN DETAILS
	RIDGEMONT AVE. & RICHLAND HILLS RD.
	<u>PAVING PLAN AND PROFILES</u>
7	COMPOSITE PAVING PLAN
8	RICHLAND HILLS ROAD N.W. / MARNA LYNN AVE. N.W.
8A	PAVING PROFILE - RICHLAND HILLS ROAD N.W.
9	GOLF COURSE ROAD TO STA. 22+48.35
	RICHLAND HILLS ROAD & BEACON KNOLL COURT N.W.
10	OAKCREST PLACE & PINECREST DRIVE N.W.
11	HILLSHIRE PLACE & GLENRIDGE PLACE N.W.
12	RIDGEMONT AVENUE & EDUCATION PLACE N.W.

13

14

15

16

17

18

19

20-23

24, 24A & 25

UTILITY PLAN AND PROFILES

COMPOSITE UTILITY PLAN

RICHLAND HILLS ROAD N.W.

RICHLAND HILLS ROAD & BEACON KNOLL COURT N.W.

OAKCREST PLACE & PINECREST DRIVE N.W.

HILLSHIRE PLACE & GLENRIDGE PLACE N.W.

RIDGEMONT AVENUE & EDUCATION PLACE N.W.

OFFSITE WATER LINE

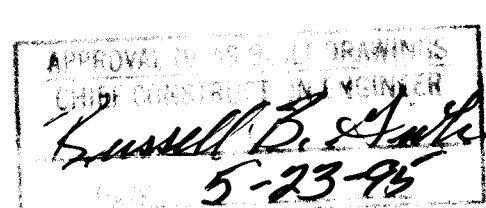
OFFSITE SANITARY SEWER

OFFSITE STORM DRAINAGE & DETAILS

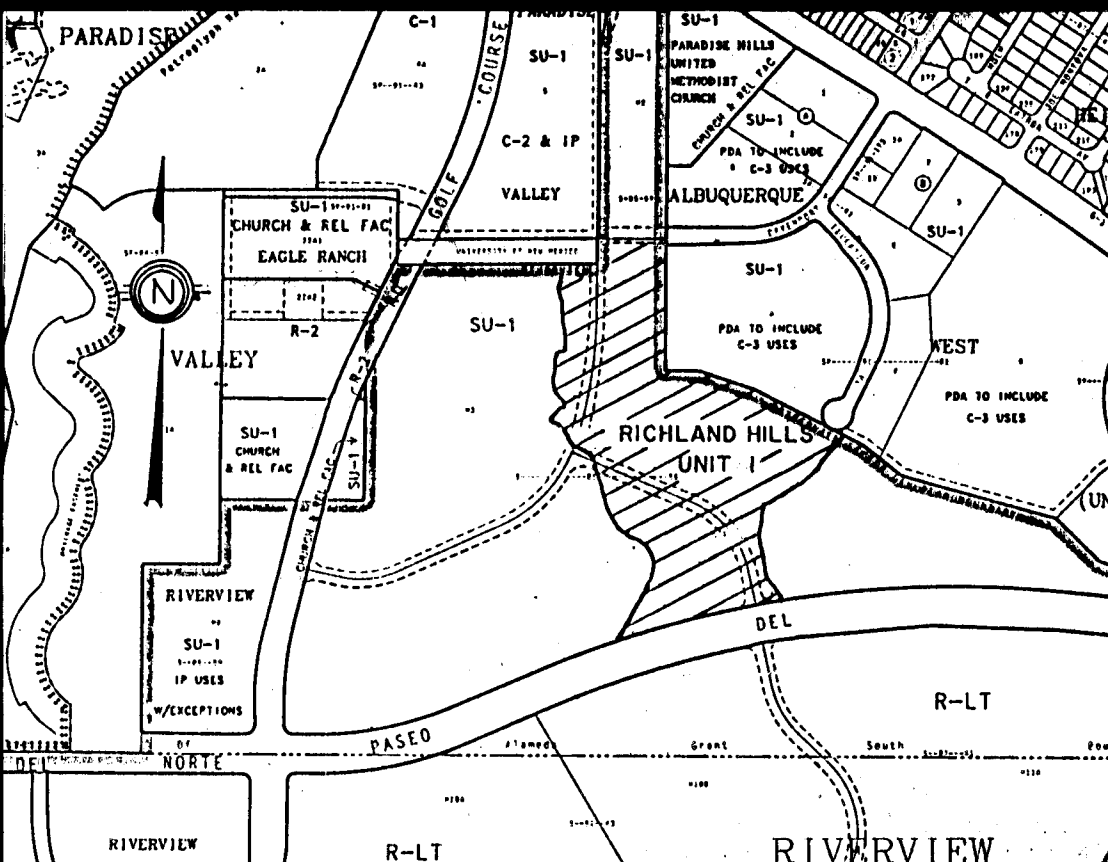
ENGINEER'S RECORD DRAWING CERTIFICATE

I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on these drawings was obtained from field construction and post-construction information obtained by me or under my direct supervision, that the Record Drawing information shown on these drawings was added by me or under my direct supervision, and that this Record Drawing information is true and correct to the best of my knowledge and belief. Responsibility for the design, concepts, design engineering and calculations, or intent of the Record Drawings resides with others.

Elmer A. Blathrow, Jr.
Elmer A. Blathrow, Jr., P.E. New Mexico CPE Registration No. 12070



Basis of Record Drawing Elevations is the ACS BM 2C12, located at northwest corner of Paradise Blvd. & Fairfax, in top of curb, elevation = 5,175.786



SCALE: 1" = 750 ± VICINITY MAP C-12-Z

GENERAL NOTES:

GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FROM HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED WITH UPDATE NO. 4.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION.
5. THREE (3) WORKING DAYS PRIOR TO BEGINNING PAVING OR DRAINAGE 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. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET. ALL NEW STRIPING SHALL BE PLASTIC AS PER CITY STANDARDS.

RECORD DRAWING ACCEPTANCE

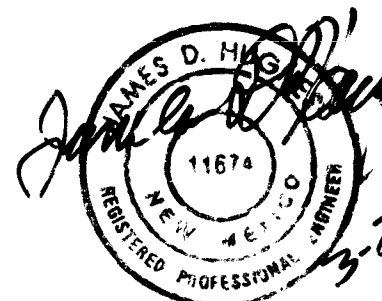
The under-signed agency hereby accepts the Record Drawing data as presented.

[Signature] 4-12-98
New Mexico Utilities, Inc. Date

City of Albuquerque
Public Works Department Date

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1									

ENGINEER'S SEAL



DATE MAR., 1994

SCALE AS SHOWN

DESIGNED JDH

DRAWN CSC

JOB NO. 143-11

PROJECT NO.

community sciences corporation

LAND PLANNING ENGINEERING SURVEYING
P.O. BOX 108 CORRAL, N.M. 87004

DATE

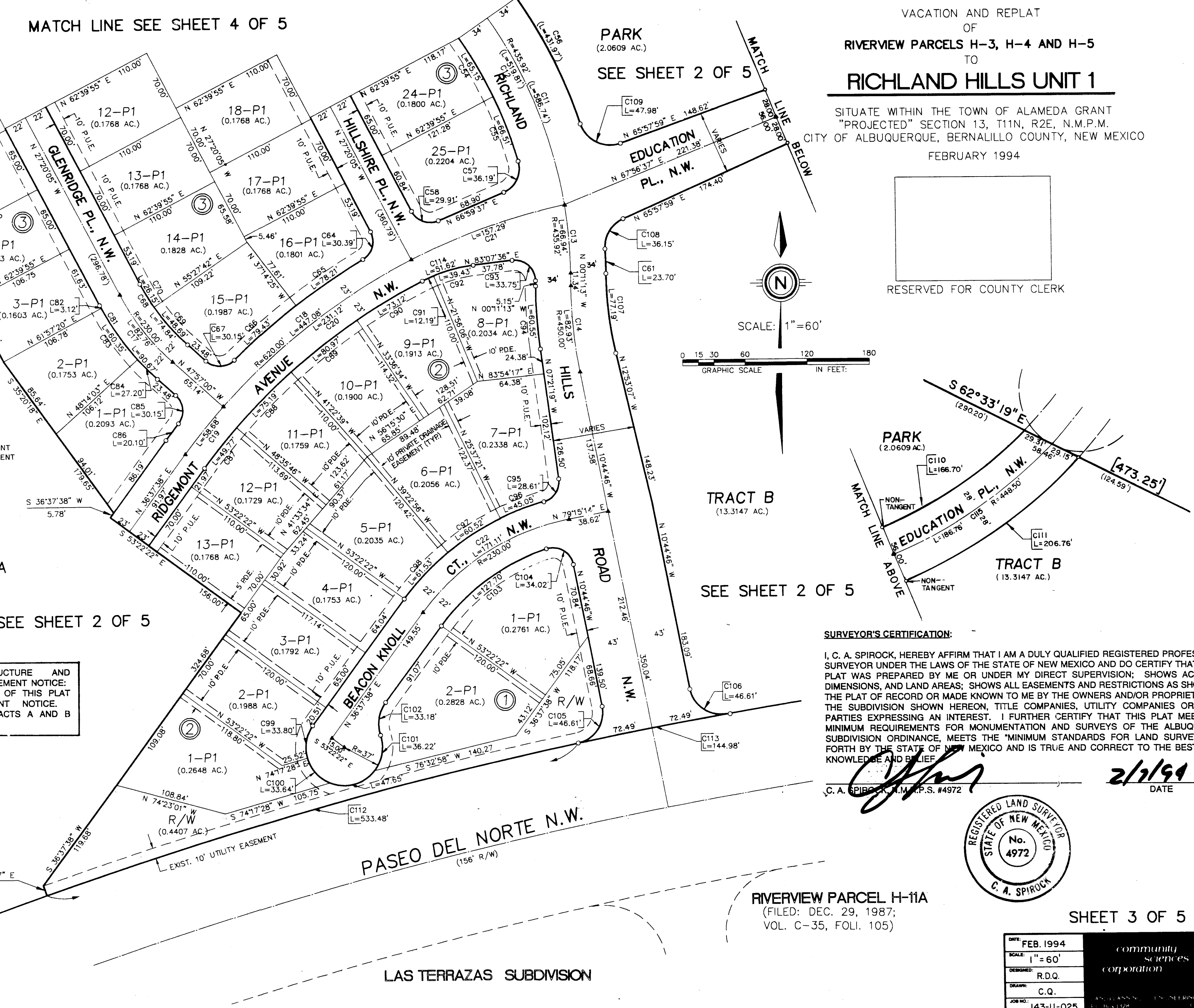
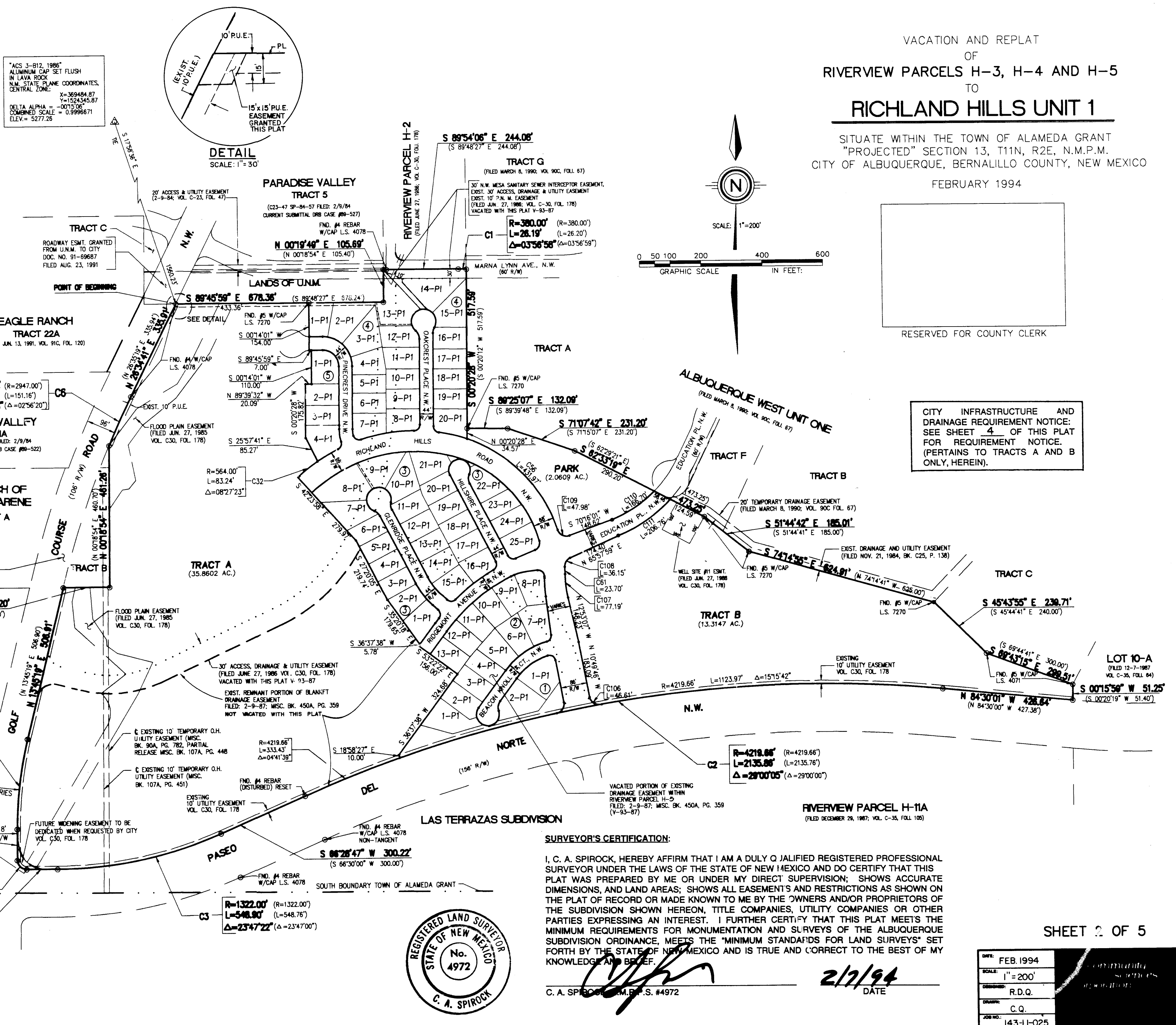
4878.90

APPROVED FOR CONSTRUCTION

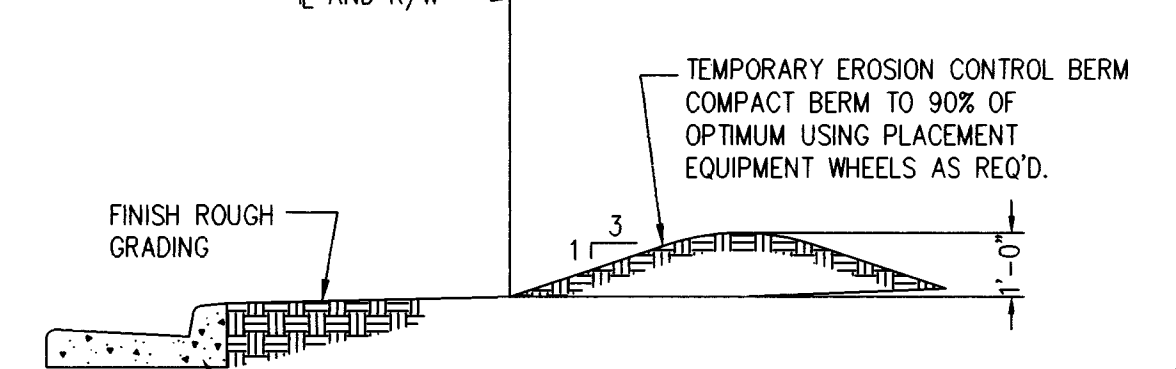
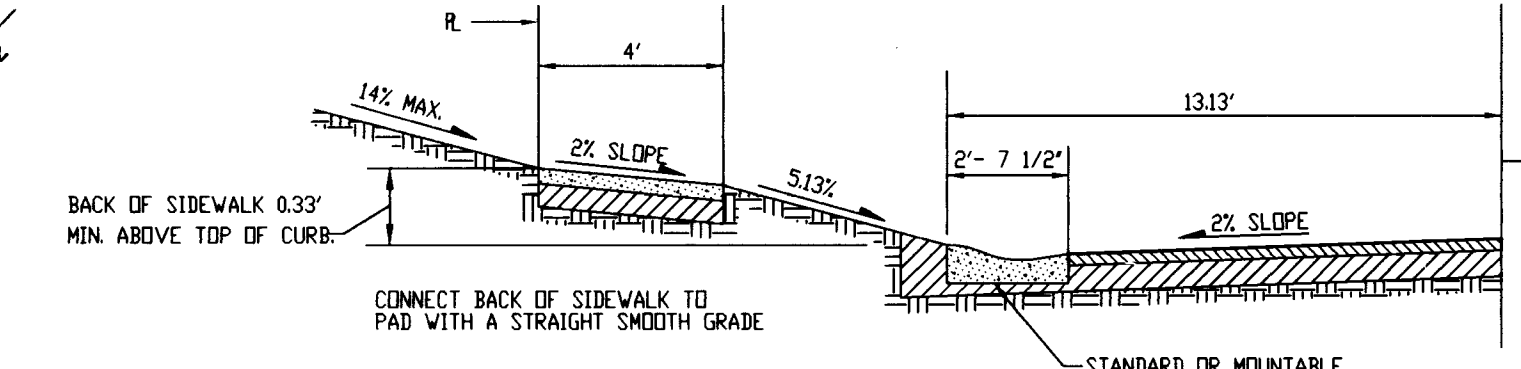
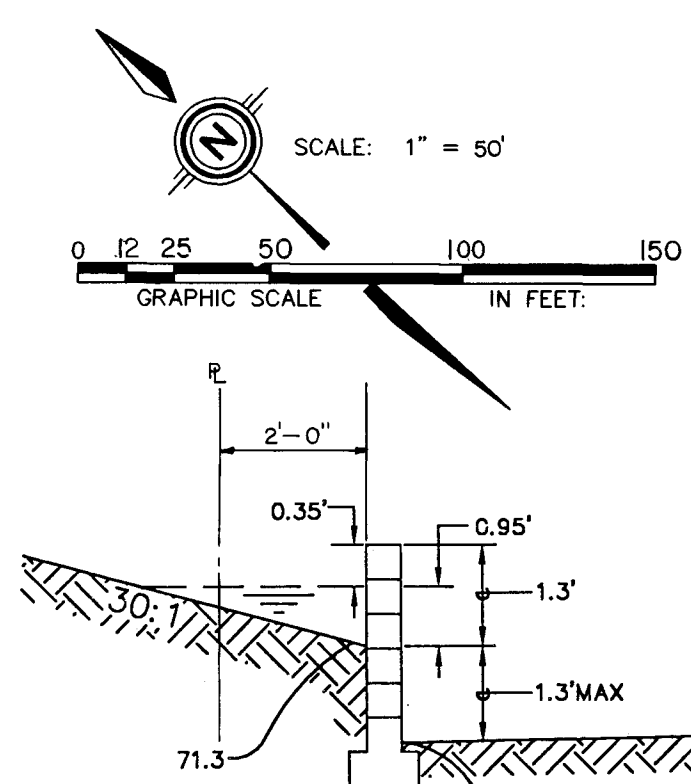
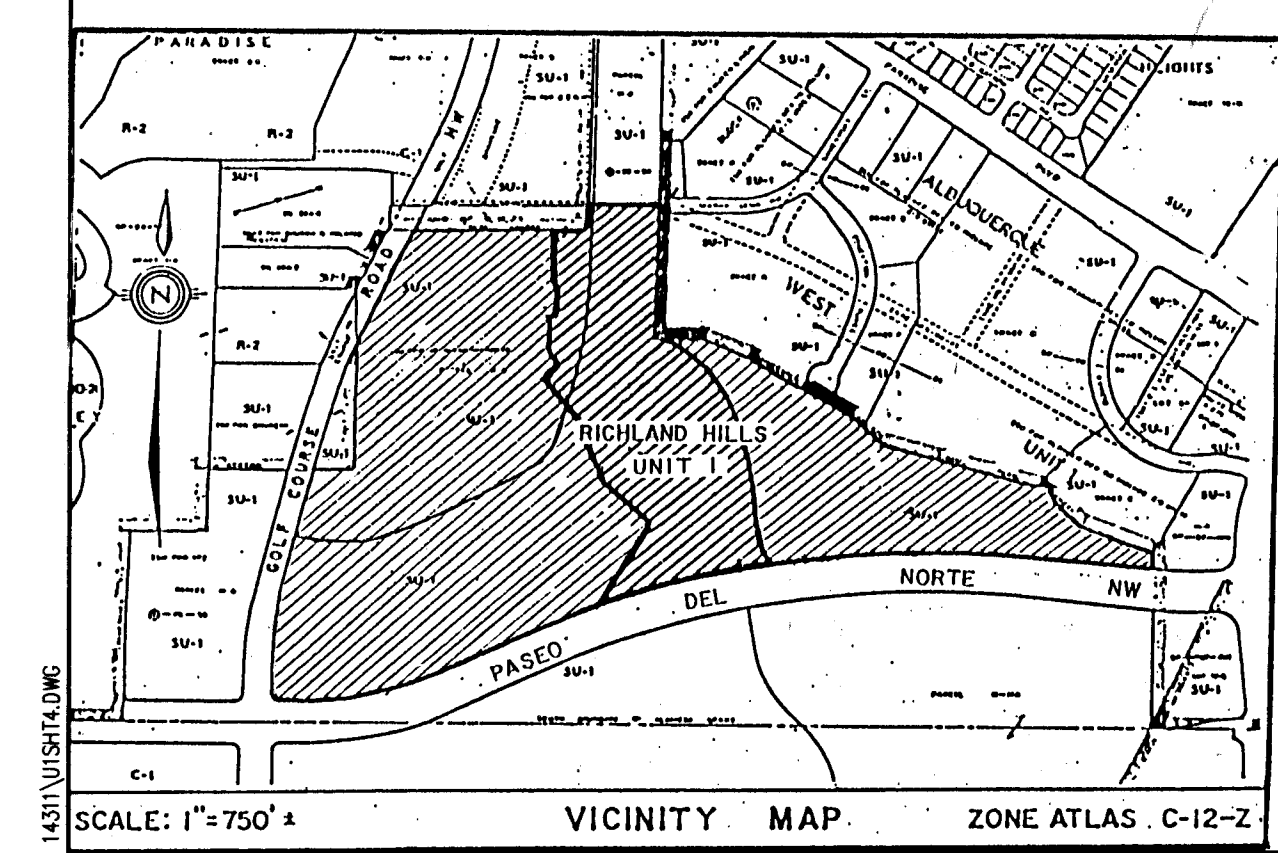
[Signature]
CITY ENGINEER

DATE

SHEET 1 OF 25



COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



RICHLAND HILLS UNIT ONE
COMPRISED OF PORTIONS OF
RIVERVIEW PARCEL H-3, H-4 AND H-5,
SITUATE WITHIN
TOWN OF ALAMEDA GRANT
"PROJECTED" SECTION 13, T11N, R2E, N.M.P.M.
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
JANUARY, 1994
DRB-93-280

(PETROGLYPH ELEMENTARY)
TRACT A ALBUQUERQUE WEST UNIT 1

- LOT GRADING SPECIFICATIONS:**
- CROSS LOT DRAINAGE WILL NOT BE PERMITTED. IF LOCAL CONDITIONS SHOULD DICTATE A RELAXATION OF THIS RULE, THEN THE APPROPRIATE PUBLIC OR PRIVATE DRAINAGE EASEMENTS WILL BE DEDICATED ON THE PLAT.
 - CRITERIA FOR SETTING LOT ELEVATION CONTROL GRADES SHALL INCLUDE THE FOLLOWING:
 - ALL DRAINAGE SWALES AND YARD AREAS SHALL HAVE MINIMUM SLOPES OF 1% AND MAXIMUM SLOPES OF 4 HORIZONTAL TO 1 VERTICAL.
 - BUILDING PADS SHALL BE SET AT LEAST 0.3' ABOVE THE HIGHEST ELEVATION OF ADJACENT SWALES.
 - PAD ELEVATIONS WILL BE ASSUMED TO BE EQUAL TO FINISHED FLOOR OF GARAGE. MINIMUM DRIVEWAY SLOPES SHALL BE 2% AND DRIVEWAY SLOPES SHALL NOT EXCEED 12%.
 - USABLE YARD AREAS SHALL HAVE MINIMUM DIMENSIONS OF 30' X 15', SHALL HAVE MINIMUM SLOPES OF 1%, AND MAXIMUM SLOPES OF 33%.
 - WHERE YARD GRADES OF ADJACENT LOTS AT PROPERTY LINES CANNOT BE MATCHED USING THE ABOVE CRITERIA, RETAINING WALL SHALL BE PROVIDED TO ACCOMMODATE GRADE DIFFERENTIALS.
 - CONTRACTOR SHALL OBTAIN A TOP SOIL DISTURBANCE PERMIT PRIOR TO GRADING.

ENGINEER'S RECORD DRAWING CERTIFICATE
I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on these drawings was obtained from field construction and post-construction information obtained by me or under my direct supervision, that the Record Drawing information shown on these drawings was added by me or under my direct supervision, and that this Record Drawing information is true and correct to the best of my knowledge and belief. Responsibility for the design concepts, design engineering and calculations, or intent of the Record Drawings resides with others.

Elmer A. Blathrow, Jr., P.E. New Mexico Civil Registration No. 12070

- LEGEND**
- TC=98.43 PROPOSED TOP OF CURB ELEVATION
 - 99.0 PROPOSED SPOT ELEVATION
 - 09.0 EXISTING SPOT ELEVATION (GRND & TC)
 - EROSION CONTROL BERM
 - PROPOSED CONCRETE VALLEY GUTTER
 - EXISTING CURB & GUTTER
 - PROPOSED ASPHALT CURB (LABELED)
 - PROPOSED MOUNTABLE CURB & GUTTER
 - PROPOSED STANDARD CURB & GUTTER
 - PROPOSED MEDIAN CURB & GUTTER
 - 5000 EXISTING CONTOUR W/ INDEX ELEVATION
 - SWALE
 - FLOW ARROW
 - PROPOSED RETAINING WALL
 - EXISTING U.G. ELECTRICAL
 - EXISTING WATER LINE
 - EXISTING U.G. TELEPHONE
 - EXISTING STORM DRAIN
 - PROPOSED STORM DRAIN
 - TEMPORARY ASPHALT PAVING

EARTHWORK SUMMARY
Cut = 39,105 CY
Fill = 17,186 CY
Export = 15,900 CY

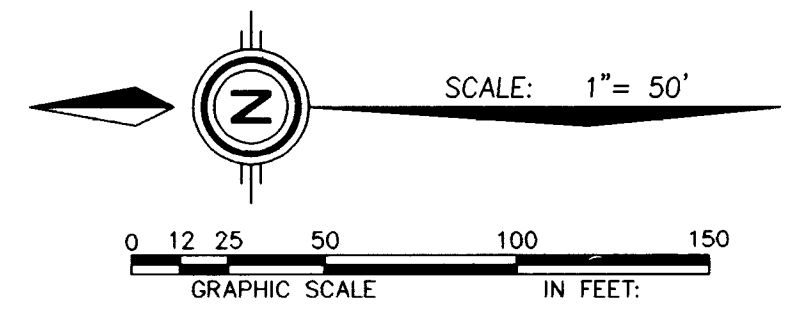
SEE SHEET 5A FOR TYPICAL GRADING DETAILS

DATE	1-27-94
SCALE	1"=50'
DESIGNED	R. J. Z.
DRAWN	D. E. R.
CHECKED	1-23-94

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RICHLAND HILLS- UNIT 1 GRADING & EROSION CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. Z.	5-5-94	WATER/SAS	N/A	RWK 4-1-94
TRANSPORTATION	R. J. Z.	4-01-94			
HYDROLOGY	R. J. Z.	5-2-94			
PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	4 OF 25

AS BUILT INFORMATION		CONTRACTOR	James M. McManus, Inc.	DATE	1-27-94
BENCH MARKS		BENCHMARK	ACS MONUMENT 3-B12 LOCATION ON LAVA ROCK ESCARPMENT APPROXIMATELY 1/2 MILE SOUTHEAST OF THE INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W.	DATE	1-27-94
SURVEY INFORMATION		FIELD NOTES	1 COMMUNITY SCIENCES	DATE	1-27-94
ENGINEER'S SEAL		NO.	1	DATE	1-27-94
REVISIONS		NO.	1	DATE	1-27-94
DESIGNED BY		R. J. Z.	DATE	1-27-94	
DRAWN BY		D. E. R.	DATE	1-27-94	
CHECKED BY			DATE	1-27-94	

SCANNED BY
BY LASON



NOTE: FOR SECTION A-A & PLAN OF DIVERSION BERM SEE SHT. 5A FOR PROFILE SEE SHT. 20.

ENGINEER'S RECORD DRAWING CERTIFICATE
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Ellery A. Blithrow, Jr. 11-11-94
Ellery A. Blithrow, Jr., P.E. New Mexico Civil Registration No. 12070

- LEGEND**
- TC-98.43 PROPOSED TOP OF CURB ELEVATION
 - 99.0 PROPOSED SPOT ELEVATION
 - 09.0 EXISTING SPOT ELEVATION (GRID & TC)
 - ▨ EROSION CONTROL BERM
 - ▨ PROPOSED CONCRETE VALLEY GUTTER
 - ▨ EXISTING CURB & GUTTER
 - ▨ PROPOSED MOUNTABLE CURB & GUTTER
 - ▨ PROPOSED STANDARD CURB & GUTTER
 - ▨ PROPOSED MEDIAN CURB & GUTTER
 - 5150 EXISTING CONTOUR W/ INDEX ELEVATION
 - SWALE
 - FLOW ARROW
 - ▨ PROPOSED RETAINING WALL
 - EXISTING U.G. ELECTRICAL
 - EXISTING WATER LINE
 - EXISTING U.G. TELEPHONE
 - EXISTING STORM DRAIN
 - 30" SD — PROPOSED STORM DRAIN
 - PROPOSED STORM DRAIN MAN HOLE
 - PROPOSED STORM DRAIN MAN HOLE

SEE SHEET 5A FOR TYPICAL LOT DETAILS

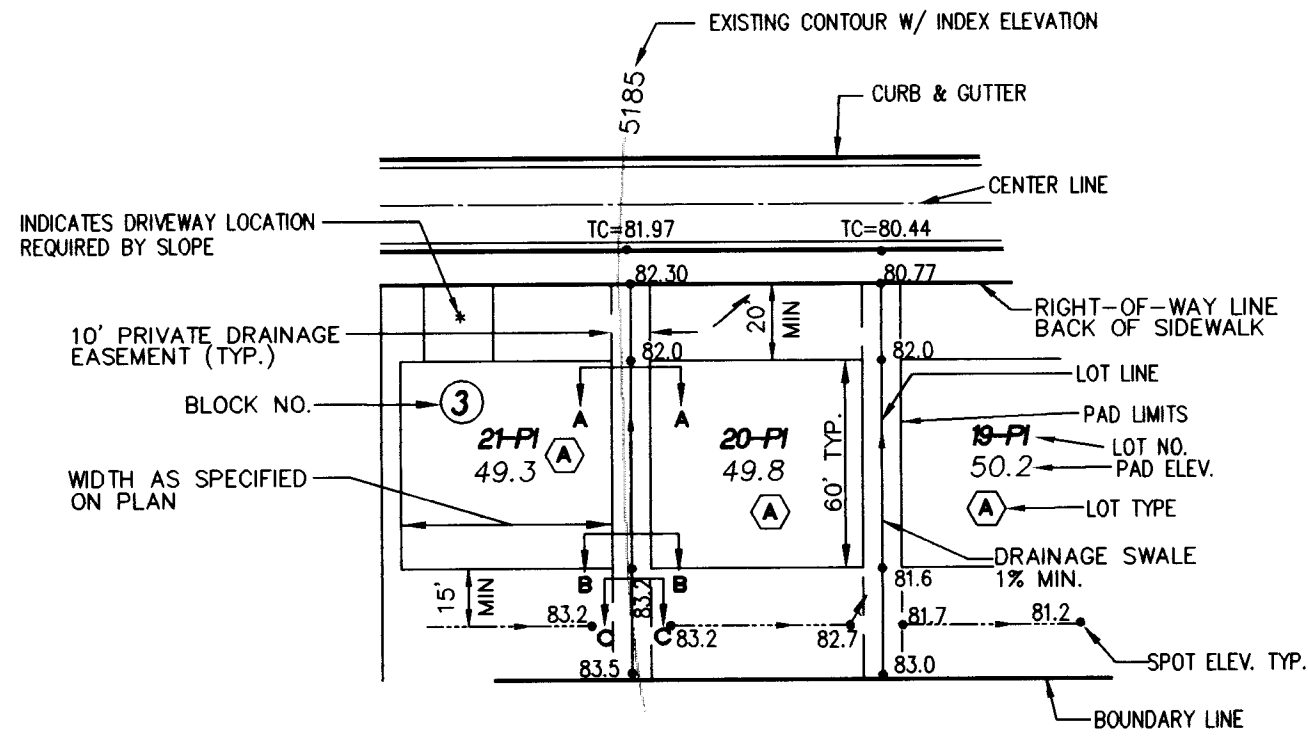
DATE:	1-27-94
SCALE:	1"=50'
DESIGNED:	R.J.Z.
DRAWN:	D.E.G.
CHECKED:	14-3-11-PRE

community sciences corporation

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RICHLAND HILLS- UNIT 1 GRADING & EROSION CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Embrey	5-5-94	Water / SAS	N/A RUK	4-1-94
TRANSPORTATION	N/A RWD	4-01-94			
HYDROLOGY	Plutinski	5-2-94	A.M.A.F.C.A.	Joe Kelly	5-5-94
PROJECT NO. 4878.90		MAP NO. C-12		SHEET 5 OF 25	

SCANNED BY
BY LASON

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACTOR	COMMUNITY SCIENCES CORPORATION	BENCHMARK	ACS MONUMENT "3-B12" LOCATION ON LAVA ROCK ESCARPMENT APPROXIMATELY 1/2 MILE SOUTHEAST OF THE INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W.	FIELD NOTES	DATE	NO.	BY	NO.	DATE
INSPECTOR	INSPECTOR'S NAME	INTERSECTION	INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W.	1	1/93	1	COMMUNITY SCIENCES		
DATE	DATE	ELEVATION	ELEVATION = 5277.26						
MICRO-FILM INFORMATION		RECORDED BY		DATE		DATE		DATE	

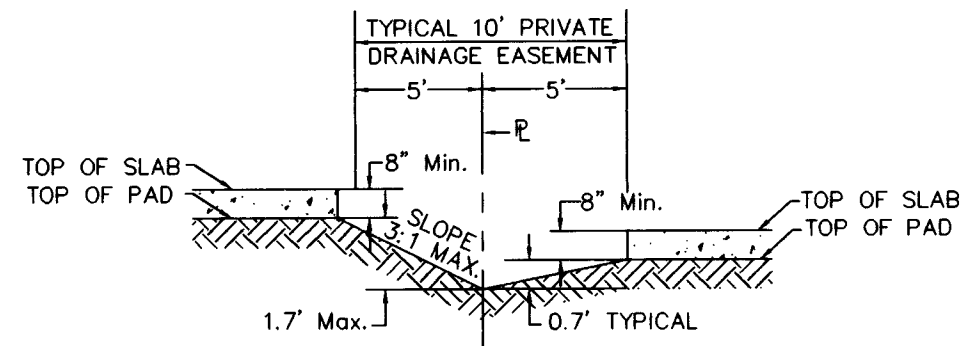


TYPICAL TYPE A LOT DETAIL

N.T.S.

- FINISHED GRADE AROUND PERIMETER OF HOUSE SHALL BE A MINIMUM OF 8" BELOW TOP OF CONCRETE SLAB. (SEE SECTIONS THIS SHEET)

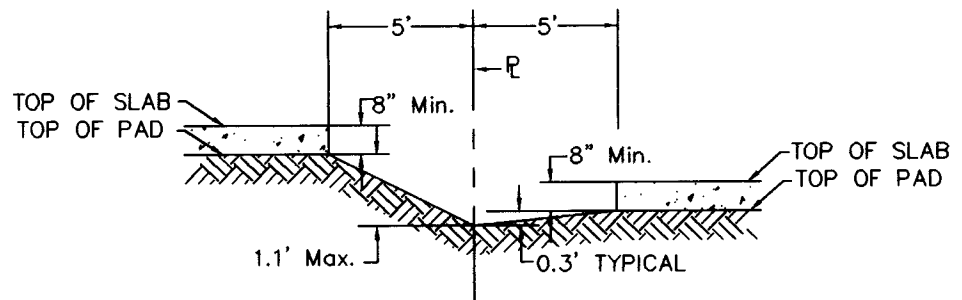
TYPICAL TYPE A LOT GRADING DETAILS



TYPICAL SECTION A - A

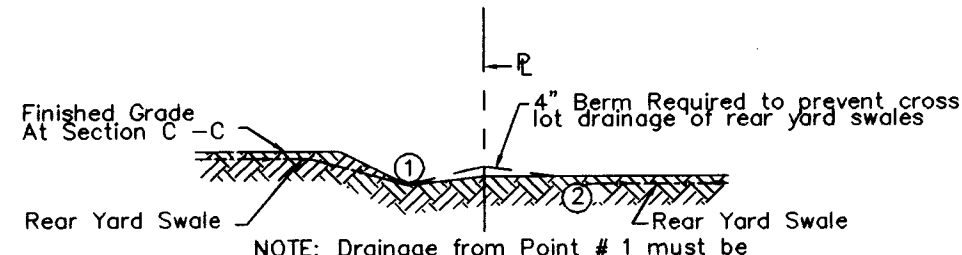
N.T.S.

NOTE: FENCES ARE ALLOWED ON THE PROPERTY LINE WITHIN THE PRIVATE DRAINAGE EASEMENT.



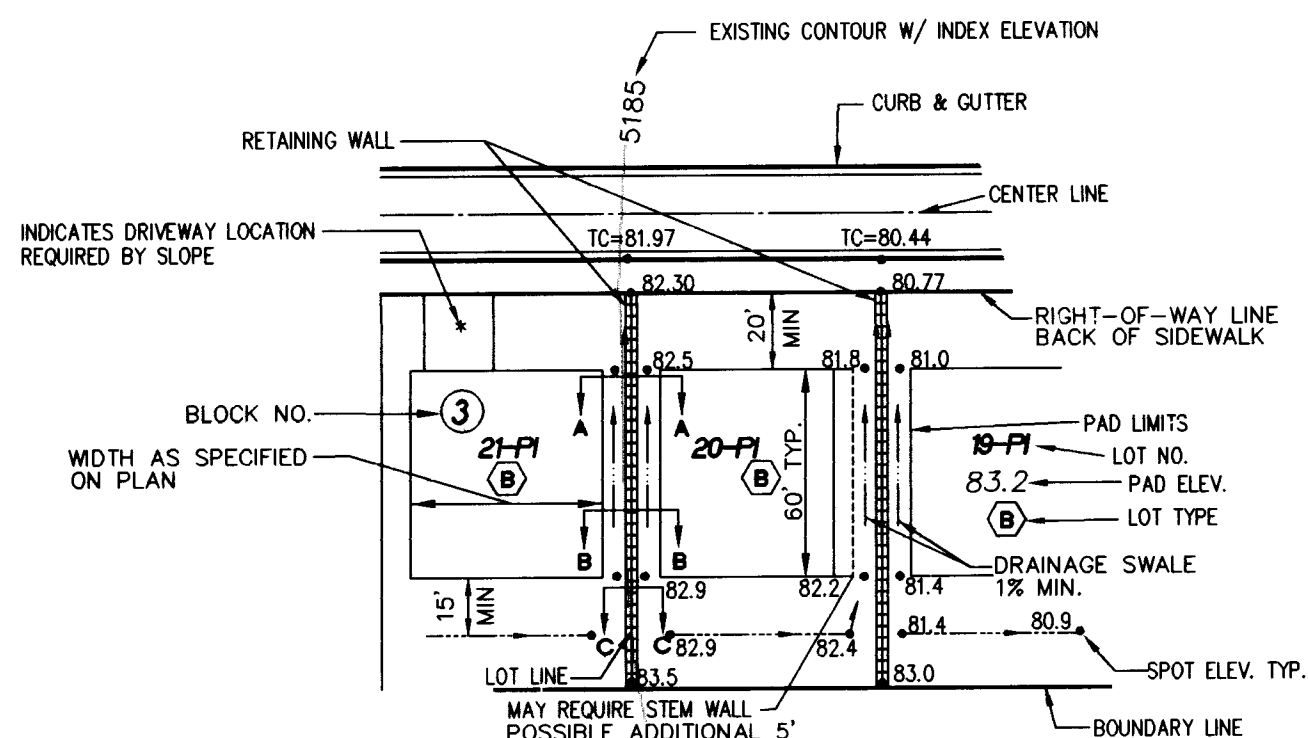
TYPICAL SECTION B - B

N.T.S.



TYPICAL SECTION C - C

N.T.S.

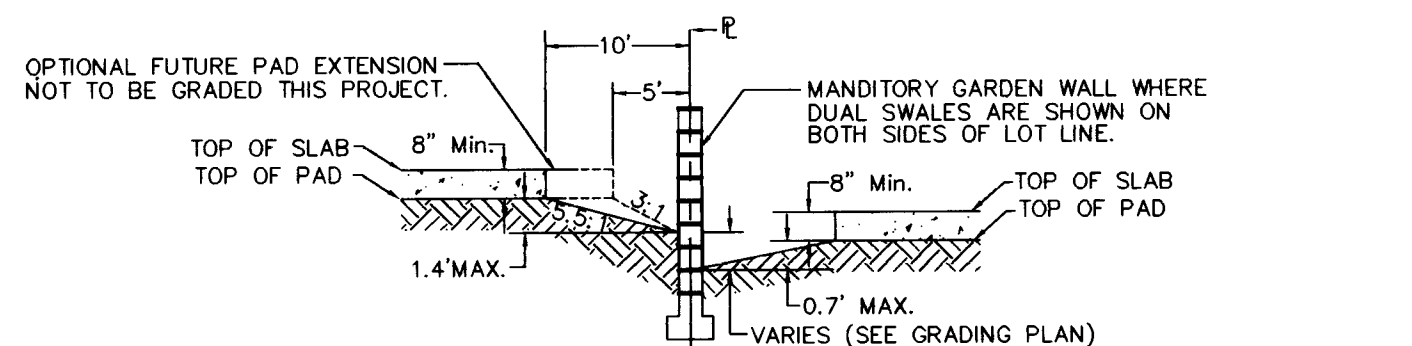


TYPICAL TYPE B LOT DETAIL

N.T.S.

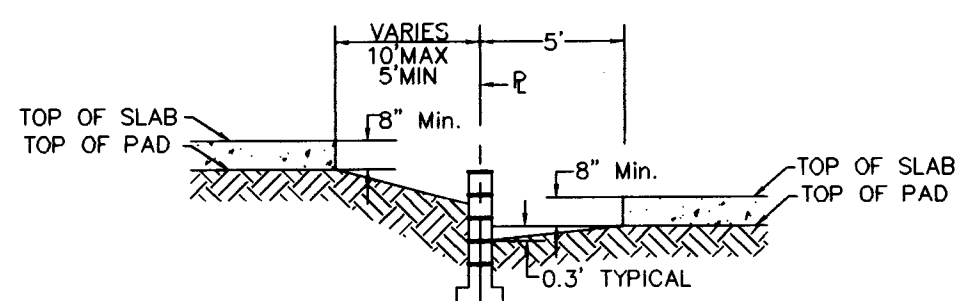
- FINISHED GRADE AROUND PERIMETER OF HOUSE SHALL BE A MINIMUM OF 8" BELOW TOP OF CONCRETE SLAB. (SEE SECTIONS THIS SHEET)

TYPICAL TYPE B LOT GRADING DETAILS



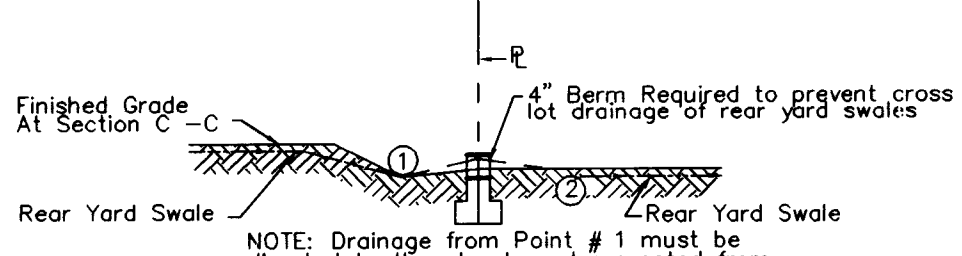
TYPICAL SECTION A - A

N.T.S.



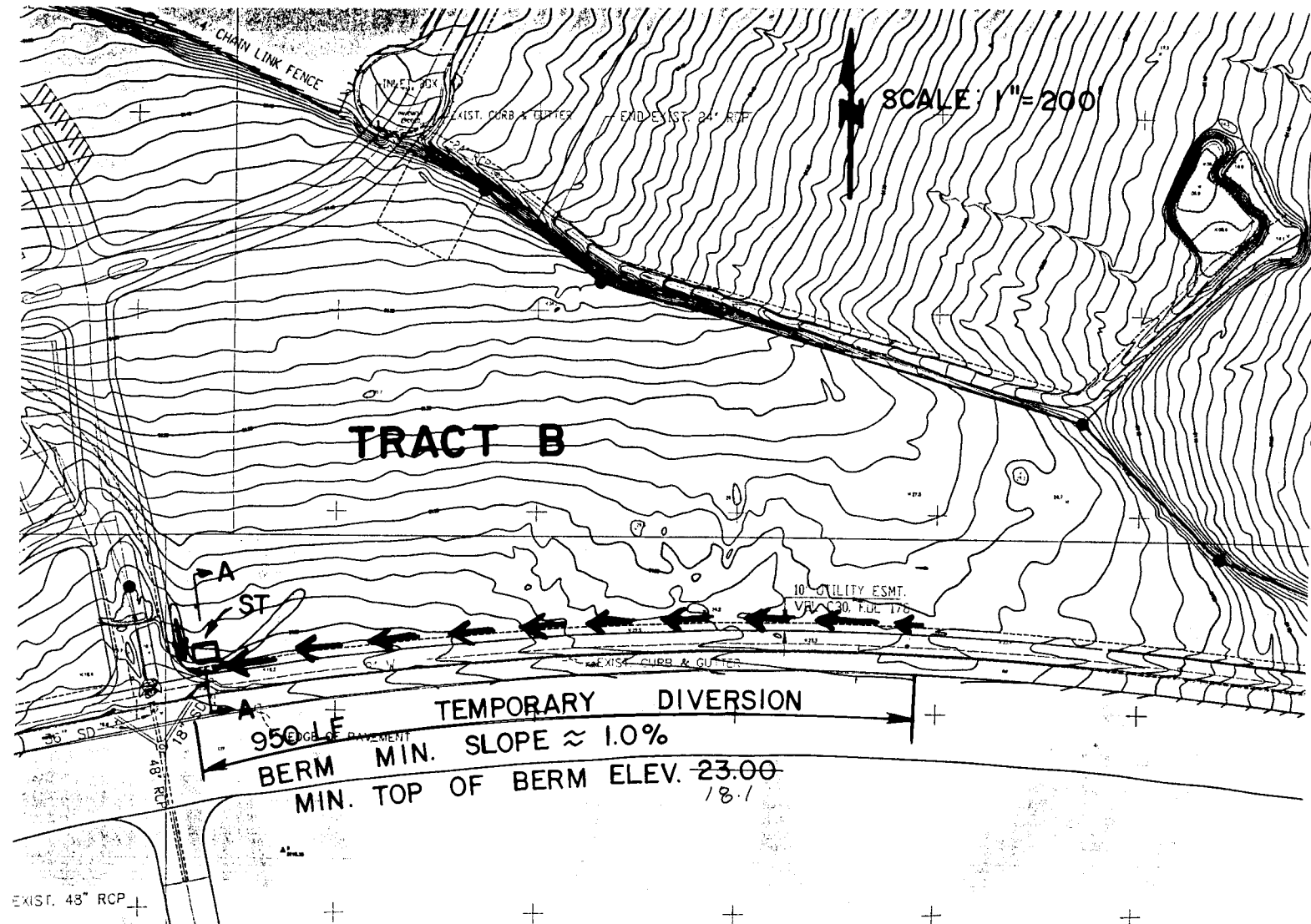
TYPICAL SECTION B - B

N.T.S.

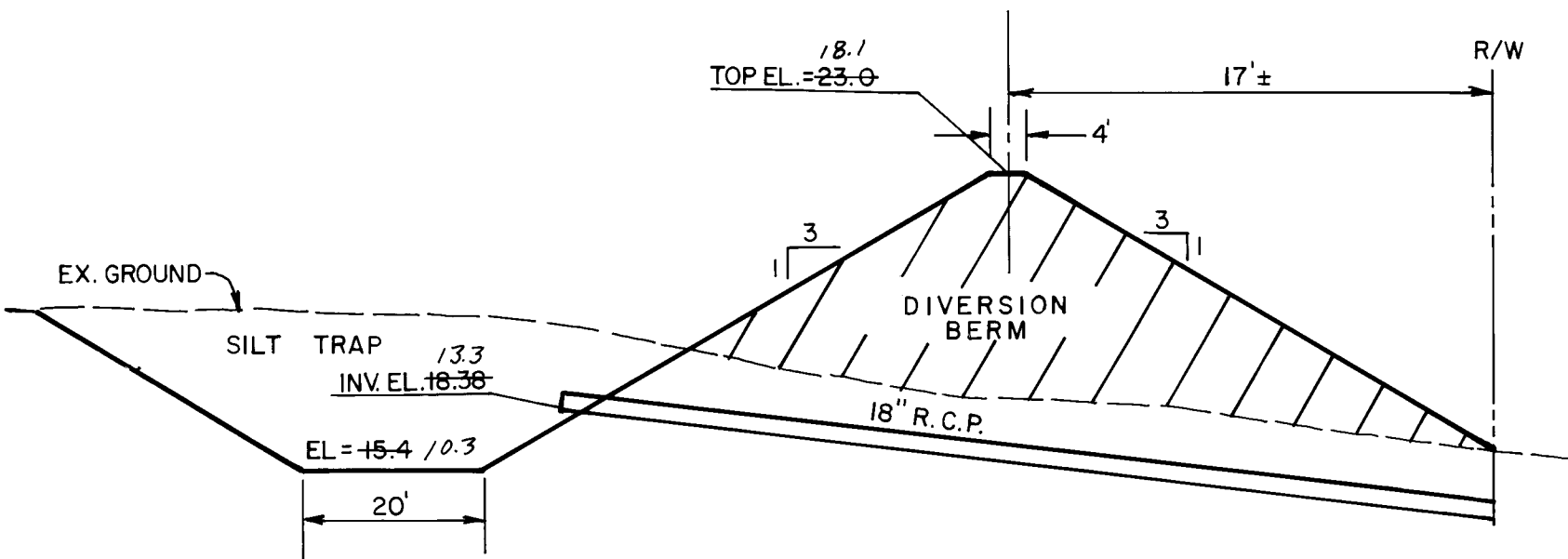


TYPICAL SECTION C - C

N.T.S.



TEMPORARY OFFSITE DIVERSION BERM
THIS PROJECT



SECTION A-A

N.T.S.

ENGINEER'S RECORD DRAWING CERTIFICATE

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Elery K. Blathrow, Jr. 11-11-94

Elery K. Blathrow, Jr., P.E. New Mexico Civil Registration No. 12070

APPROVED FOR ROUGH GRADING
(± 1 FT.)

CITY HYDROLOGY

DATE:	1-27-94
AS SHOWN:	AS SHOWN
DESIGNED:	R.J.Z.
DRAWN:	D.E.R.
PROJECT:	143-11-PRE

community sciences corporation

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
TYPICAL LOT GRADING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Huddy</i>	5-5-94	Water/SAS	N/A RWK	4-1-94
TRANSPORTATION	N/A RHO	4-01-94			
HYDROLOGY	<i>Blathrow</i>	5-2-94			

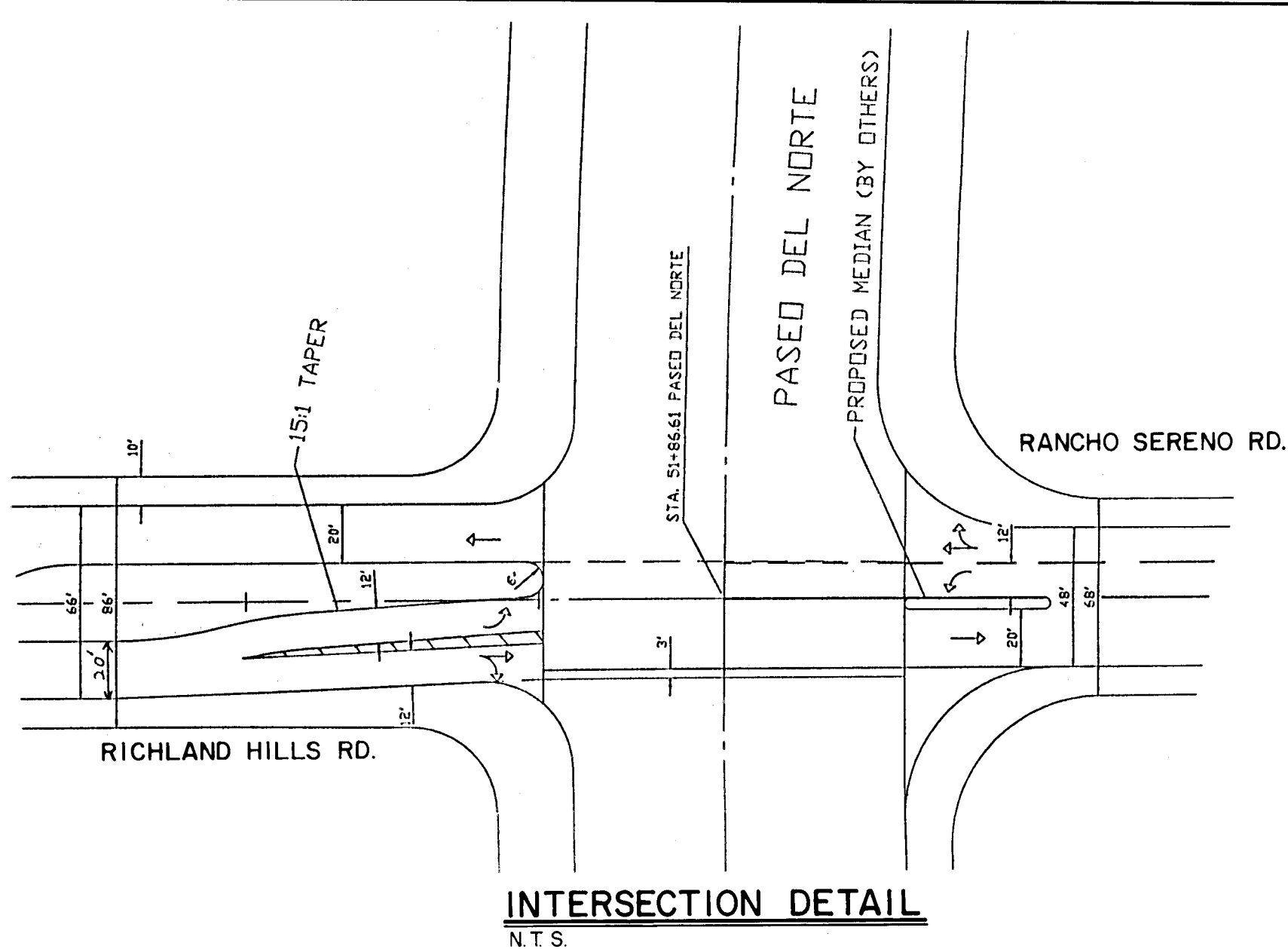
PROJECT NO. 4878.90

MAP NO. C-12

SHEET 5A OF 25

SCANNED BY
BY LASON

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	CONTRACTOR	DATE	DATE
1	COMMUNITY SCIENCES	1/93	BENCHMARK: ACS MONUMENT "3-B12" LOCATION ON LAVA ROCK ESCARPMENT APPROXIMATELY 1/2 MILE SOUTHEAST OF THE INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W.	DATE: 1-27-94	DATE: 3-21-94
ENGINEER'S SEAL		REVISIONS		MICRO-FILM INFORMATION	
BY		NO.	DATE	RECORDED BY	DATE
REMARKS		NO.	DATE	NO.	DATE
DESIGN		NO.	DATE	NO.	DATE
DER		NO.	DATE	NO.	DATE
CHECKED BY		NO.	DATE	NO.	DATE



LEGEND

● FL=74.11 X           	PROPOSED CURB FLOWLINE ELEVATION EXISTING SPOT ELEVATION (GRND & TC) PROPOSED VALLEY GUTTER/ SIDEWALK EXISTING CURB & GUTTER PROPOSED MOUNTABLE CURB & GUTTER PROPOSED STANDARD CURB & GUTTER FLOW ARROW CROWN TRANSITION ARTERIAL PAVEMENT SAW CUT & REPLACE EXIST. PAVEMENT
--	---

CURVE IDEN	RADIUS	ARC	DELTA
A	40.00	40.95	058°39'22"
Y	30.00	46.68	089°06'43"
AA	6.00	18.43	175°59'56"
BB	150.00	21.69	008°17'00"
CC	150.00	27.94	010°40'24"
DD	7.00	21.99	180°00'00"
EE	150.00	37.33	014°15'30"
FF	4.00	9.59	137°19'08"
GG	50.00	42.07	048°12'39"
HH	390.61	34.36	005°02'24"
II	4.00	11.83	169°25'49"
JJ	2.00	5.72	163°52'01"
KK	5.50	18.83	196°07'59"
NN	4.00	12.87	184°18'02"
PP	2.00	6.13	175°41'58"

ENGINEERS RECORD DRAWING CERTIFICATE

I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on this drawing was obtained from field construction and inspection of the project, and that the information obtained from field construction inspection obtained from the project.

Record Drawing information shown on these drawings was acted by me or under my direct supervision, and that this Record Drawing information is true and correct to the design and better. Responsibility for the design concept, design engineering and calculations, or in part of the Record Drawings reside with others.

Elmer C. Mathew 11-11-94

Elmer A. Mathew, Jr., P. E. New Mexico Civil Registration No. 12070

SCALE:
1" = 20' HORIZ

community
sciences
corporation

JOB NO.: 14311-041

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
INTERSECTION AND MEDIAN DETAILS
RIDGEMONT AVE. & RICHLAND HILLS RD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Kordy	5-5-94	Water/SAS	N/A RWK	4-1-94
TRANSPORTATION	R.D. Dwyer	4-01-94			
HYDROLOGY	N/A RDC	5-2-94	ANALYST		

PROJECT NO. 4878.90

MAP
NO. C-12

SHEET 6 OF 25

SCANNED BY
BY LASON

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION
NO.	FIELD NOTES		
	BY DATE	BENCHMARK: ACS MONUMENT "3-B12" LOCATED ON LAVA ROCK ESCARPMENT APPROXIMATELY 1/2 MILE SOUTHEAST OF THE INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W. ELEVATION 5277.26	CONTRACTOR: SURNAME, FIRST & INITIAL, CORP. STATE BY <u>COMMUNITY SERVICES</u> DATE <u>1-1-94</u> ACCEPTANCE BY <u>ELLEY BATHROW</u> DATE <u>1-1-94</u> FIELD INFORMATION BY <u>ELLEY BATHROW</u> DATE <u>1-1-94</u> DATE CORRECTED BY <u>ELLEY BATHROW</u> DATE <u>1-1-94</u>
			MICRO—FILM INFORMATION
			RECORDED BY DATE
			NO.

[illegible][illegible]

CORPORATION		
DEPARTMENT		
SUPPLY		
1. NAME OF THE PROJECT 2. LOCATION 3. TYPE OF PROJECT 4. DATE OF PROJECT 5. NAME OF THE ENGINEER 6. NAME OF THE ARCHITECT 7. NAME OF THE CONTRACTOR 8. NAME OF THE OWNER 9. NAME OF THE DESIGNER 10. NAME OF THE REVIEWER 11. NAME OF THE APPROVER 12. NAME OF THE CHECKER 13. NAME OF THE DRAWER 14. NAME OF THE PLOTTER 15. NAME OF THE PRINTER 16. NAME OF THE SCANNER 17. NAME OF THE FILER 18. NAME OF THE ARCHIVER 19. NAME OF THE RECALLER 20. NAME OF THE DESTROYER		
21. NAME OF THE PROJECT 22. LOCATION 23. TYPE OF PROJECT 24. DATE OF PROJECT 25. NAME OF THE ENGINEER 26. NAME OF THE ARCHITECT 27. NAME OF THE CONTRACTOR 28. NAME OF THE OWNER 29. NAME OF THE DESIGNER 30. NAME OF THE REVIEWER 31. NAME OF THE APPROVER 32. NAME OF THE CHECKER 33. NAME OF THE DRAWER 34. NAME OF THE PLOTTER 35. NAME OF THE PRINTER 36. NAME OF THE SCANNER 37. NAME OF THE FILER 38. NAME OF THE ARCHIVER 39. NAME OF THE RECALLER 40. NAME OF THE DESTROYER		
41. NAME OF THE PROJECT 42. LOCATION 43. TYPE OF PROJECT 44. DATE OF PROJECT 45. NAME OF THE ENGINEER 46. NAME OF THE ARCHITECT 47. NAME OF THE CONTRACTOR 48. NAME OF THE OWNER 49. NAME OF THE DESIGNER 50. NAME OF THE REVIEWER 51. NAME OF THE APPROVER 52. NAME OF THE CHECKER 53. NAME OF THE DRAWER 54. NAME OF THE PLOTTER 55. NAME OF THE PRINTER 56. NAME OF THE SCANNER 57. NAME OF THE FILER 58. NAME OF THE ARCHIVER 59. NAME OF THE RECALLER 60. NAME OF THE DESTROYER		
61. NAME OF THE PROJECT 62. LOCATION 63. TYPE OF PROJECT 64. DATE OF PROJECT 65. NAME OF THE ENGINEER 66. NAME OF THE ARCHITECT 67. NAME OF THE CONTRACTOR 68. NAME OF THE OWNER 69. NAME OF THE DESIGNER 70. NAME OF THE REVIEWER 71. NAME OF THE APPROVER 72. NAME OF THE CHECKER 73. NAME OF THE DRAWER 74. NAME OF THE PLOTTER 75. NAME OF THE PRINTER 76. NAME OF THE SCANNER 77. NAME OF THE FILER 78. NAME OF THE ARCHIVER 79. NAME OF THE RECALLER 80. NAME OF THE DESTROYER		
81. NAME OF THE PROJECT 82. LOCATION 83. TYPE OF PROJECT 84. DATE OF PROJECT 85. NAME OF THE ENGINEER 86. NAME OF THE ARCHITECT 87. NAME OF THE CONTRACTOR 88. NAME OF THE OWNER 89. NAME OF THE DESIGNER 90. NAME OF THE REVIEWER 91. NAME OF THE APPROVER 92. NAME OF THE CHECKER 93. NAME OF THE DRAWER 94. NAME OF THE PLOTTER 95. NAME OF THE PRINTER 96. NAME OF THE SCANNER 97. NAME OF THE FILER 98. NAME OF THE ARCHIVER 99. NAME OF THE RECALLER 100. NAME OF THE DESTROYER		

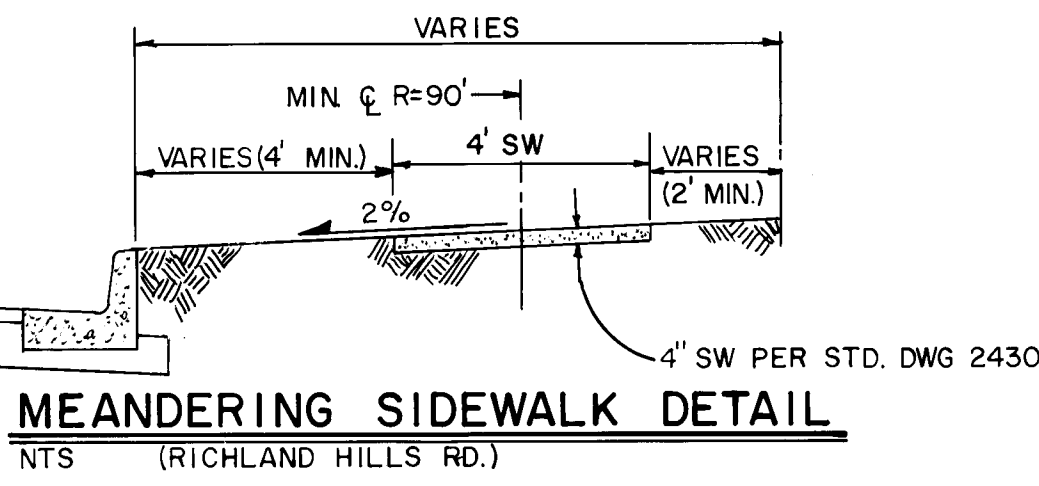
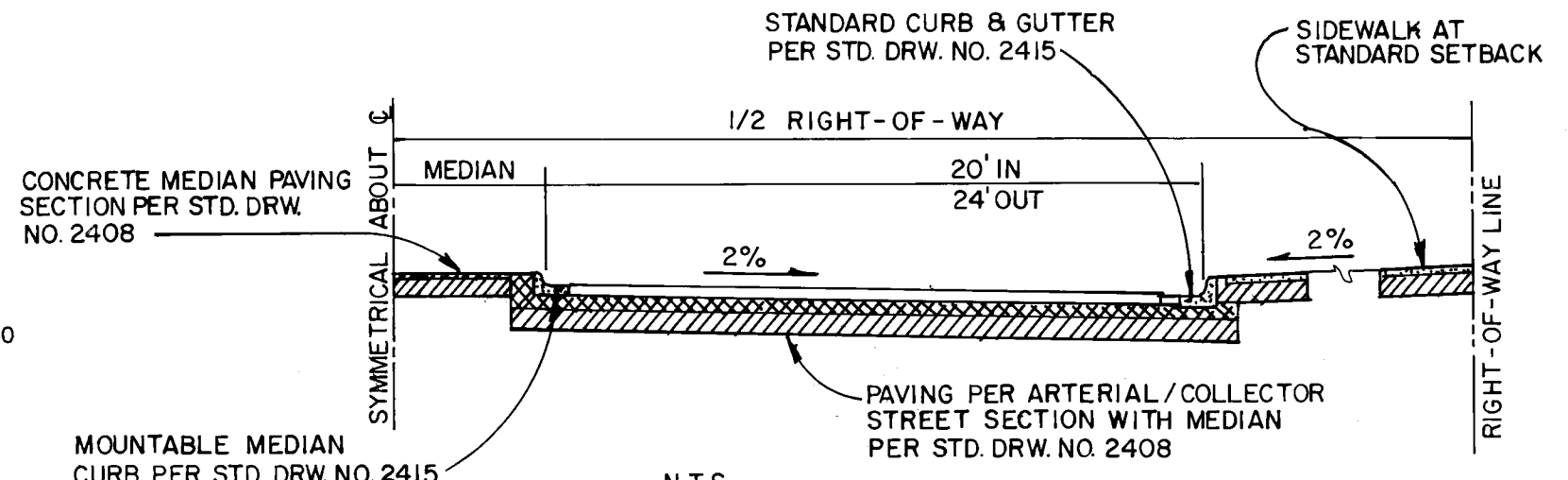
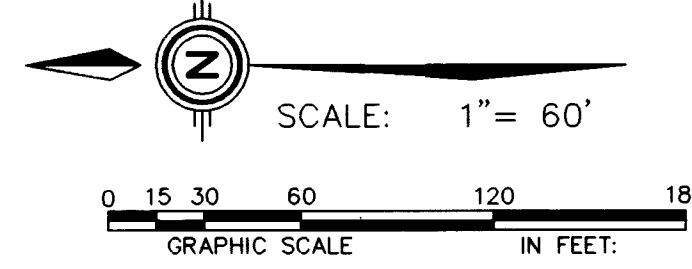
TRACT G

MARNA LYNN AVE., N.W.

LANDS OF UNM.

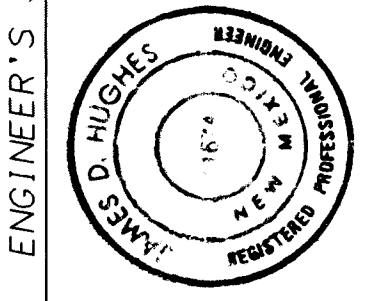
LEGEND	
FL=74.11	PROPOSED CURB FLOWLINE ELEVATION
73.6 @	EXISTING SPOT ELEVATION (GRND & TC)
	PROPOSED VALLEY GUTTER/ SIDEWALK
	EXISTING CURB & GUTTER
	PROPOSED MOUNTABLE CURB & GUTTER
	PROPOSED STANDARD CURB & GUTTER
	FLOW ARROW
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING STORM MANHOLE
	EXISTING GATE VALVE
	PROPOSED GATE VALVE
	CROWN TRANSITION
	PROPOSED STORM SEWER CATCH BASIN(SEE UTILITY PLAN FOR INSTALLATION DETAILS)
	EXISTING STORM SEWER CATCH BASIN
	STREET LIGHTS
	TEMPORARY PAVEMENT
	SIDEWALK TO BE BUILT
	ARTERIAL PAVING

KEYNOTES	
1	WHEELCHAIR RAMP PER COA STD. DWG. 2441 CASE II, UNLESS OTHERWISE NOTED.
2	MOUNTABLE TO STANDARD CURB TRANSITION PER COA STD. DWG. 2418
3	CONC. VALLEY GUTTER PER COA STD. DWG. 2420
4	SPECIAL CONC. VALLEY GUTTER PER COA STD. DWG. 2422
5	FUTURE 4' SIDEWALK, BY OTHERS
6	PROPOSED 4' SIDEWALK, THIS CONTRACT
7	50' CROWN TRANSITION PER C.O.A. STD. DWG. 2401
8	



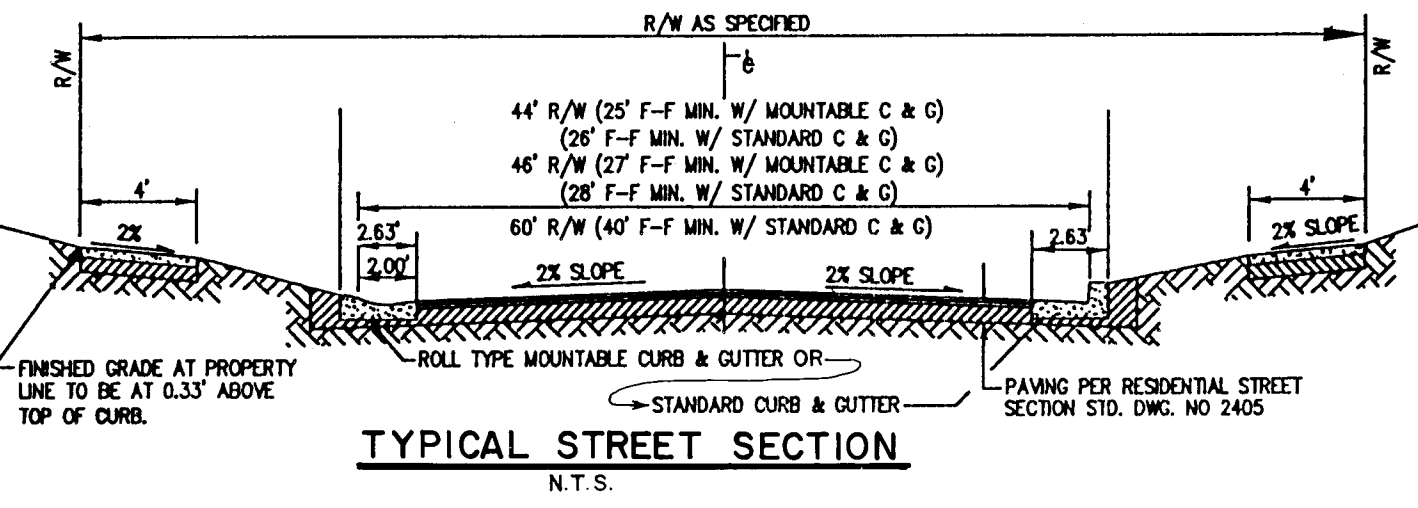
TYPICAL STREET SECTION FOR RICHLAND HILLS ROAD N.W. FROM PASEO DEL NORTE TO 150' N. OF BEACON KNOLL COURT.

6' SIDEWALKS ALONG PASEO DEL NORTE BY THIS CONTRACT



PLAN										REQUIREMENT SUP	
VALS		ENGINEER				DATE					
ATER		N/A RIDE				4-1-94					
SHEET		N/A RIDE				4-1-94					
SHEET		7				OF 25					
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ENGINEER'S RECORD DRAWING CERTIFICATE
I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on these drawings was obtained from field construction and post-construction information obtained by me or under my direct supervision, that the Record Drawing information shown on these drawings was added by me or under my direct supervision, and that this Record Drawing information is true and correct to the best of my knowledge and belief. Responsibility for the design concepts, design engineering and calculations, or intent of the Record Drawings resides with others.
James D. Hughes 1-11-94
James D. Hughes, P.E., New Mexico Civil Registration No. 12070

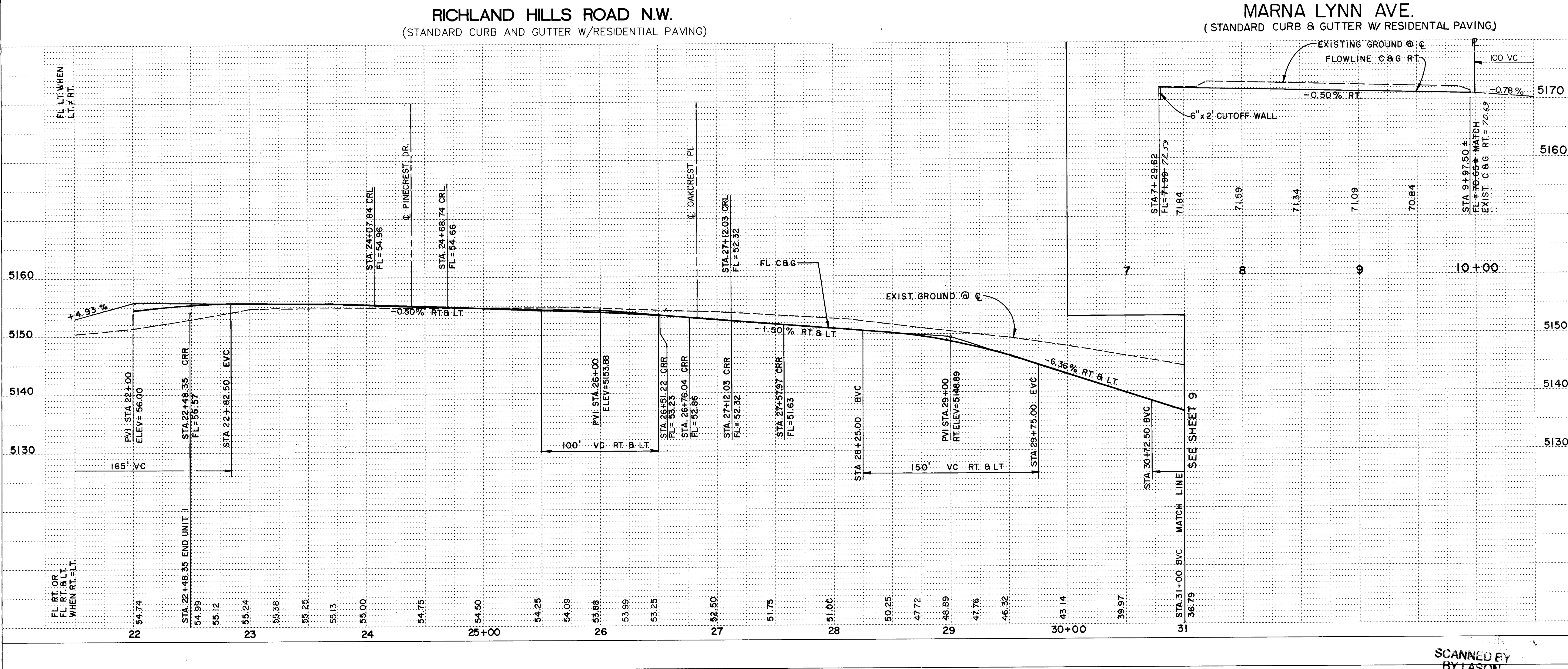
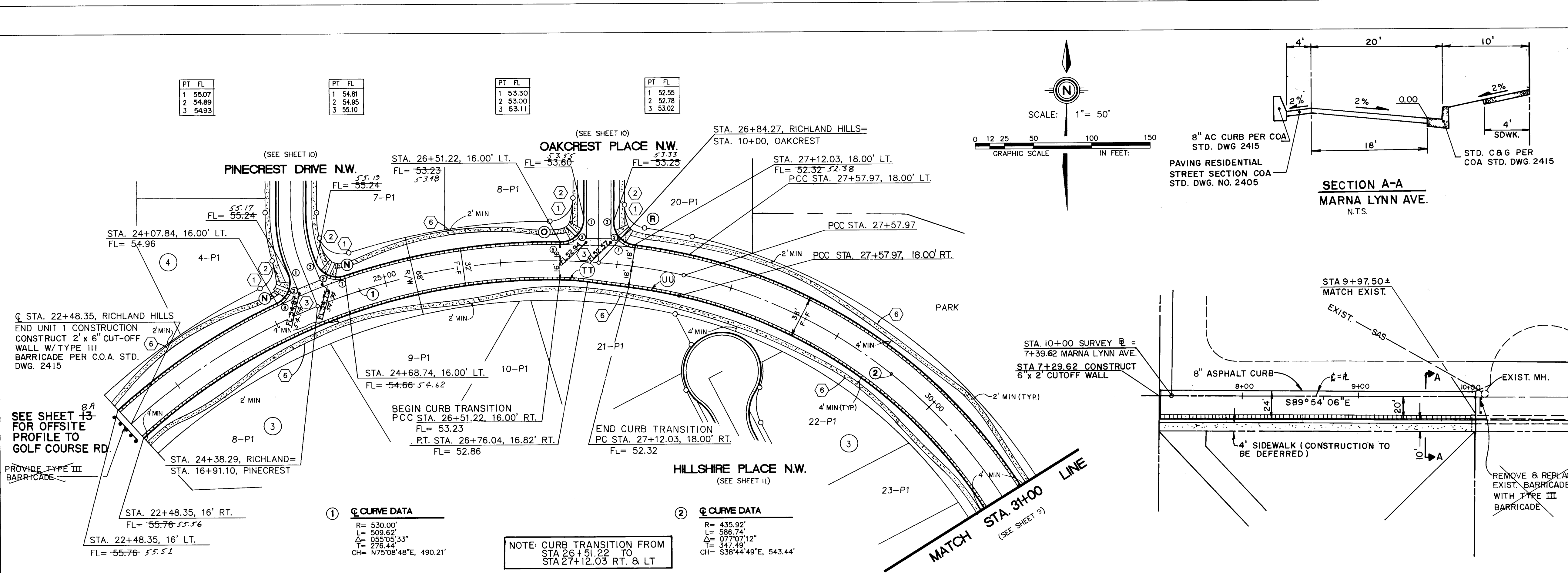


TYPICAL STREET SECTION

FOR FOLLOWING STREETS:
PINECREST DRIVE N.W.
OAKCREST PLACE N.W.
GLENRIDGE PLACE N.W.
HILLSHIRE PLACE N.W.
RIDGEMONT AVENUE N.W.
BEACON KNOLL COURT N.W.
RICHLAND HILLS ROAD N.W. FROM STA. 22+48.35 TO 150' N. OF BEACON KNOLL CT., N.W.
EDUCATION PLACE N.W.

SCALE: 1"= 60' HORIZ.		community sciences corporation															
JOB NO.: 14311-041		LAND PLANNING P.O. Box 1328		ENGINEERING Corrales, N.M. 87048		SURVEYING Corrales, N.M. 87048		NO.		DATE		DESIGNED BY		DRAWN BY		CHECKED BY	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																	
TITLE: RICHLAND HILLS-UNIT 1 COMPOSITE PAVING PLAN																	
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE							
DRC CHAIRMAN		<i>R. J. Anderson</i>		<i>5-5-94</i>		WATER		<i>N/A</i>		<i>RWD</i>		<i>4-1-94</i>					
TRANSPORTATION		<i>R. J. Anderson</i>		<i>1-9-94</i>		WASTE WATER		<i>PTA</i>		<i>RWD</i>		<i>4-1-94</i>					
HYDROLOGY		<i>N/A</i>		<i>5-2-94</i>		<i>N/A</i>											
PROJECT NO.				4878.90				MAP NO.		C-12		SHEET		7		OF 25	

SCANNED BY
BY LASON



LEGEND

- X FL=74.11 PROPOSED CURB FLOWLINE ELEVATION
- 73.6 EXISTING SPOT ELEVATION (GRND & TC)
- PROPOSED VALLEY GUTTER / SIDEWALK
- EXISTING CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED STANDARD CURB & GUTTER
- FLOW ARROW
- CROWN TRANSITION

KEYNOTES:

- WHEELCHAIR RAMP PER COA STD. DWG. 2441 CASE II, UNLESS OTHERWISE NOTED.
- MOUNTABLE TO STANDARD CURB TRANSITION PER COA STD. DWG. 2418
- CONC. VALLEY GUTTER PER COA STD. DWG. 2420
- SPECIAL CONC. VALLEY GUTTER PER COA STD. DWG. 2422
- FUTURE 4' SIDEWALK, BY OTHERS
- PROPOSED 4' SIDEWALK, THIS CONTRACT
- 50' CROWN TRANSITION PER C.O.A. STD. DWG. 2401

CURB CURVE DATA
(Face of Curb)

CURVE IDEN	RADIUS	ARC	DELTA
N	20.00	30.27	086°42'30"
O	20.00	31.70	090°48'42"
P	35.00	33.99	053°38'50"
Q	35.00	22.94	037°32'48"
R	20.00	28.84	082°36'50"
TT	209.85	2408'	0°34'27"
UU	512.00'	44.38'	04°57'57"

ENGINEER'S RECORD DRAWING CERTIFICATE

I, the undersigned engineer, a duly qualified Registered Professional Engineer, do hereby certify that the Record Drawing information shown on these drawings was obtained from field construction and plan information obtained by me. I am not responsible for any errors or omissions in the design or construction of the project shown on these drawings. I am not responsible for any errors or omissions in the design or construction of the project shown on these drawings.

Elly A. Gutierrez, Jr., P.E. New Mexico Civil Registration No. 13073

SCALE:
1" = 50' HORIZ.
1" = 10' VERT.

community sciences corporation

LAND PLANNING
P.O. Box 1328
Corrales, N.M. 87048

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

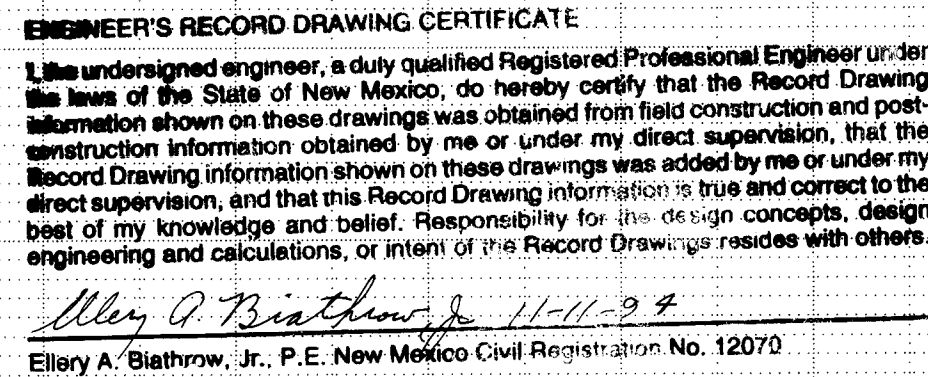
**TITLE: RICHLAND HILLS- UNIT 1
PAVING PLAN & PROFILE
RICHLAND HILLS ROAD N.W., MARNA LYNN AVE, NW**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Bg. Gutierrez	5-5-94	Water/SAS	NIA RDE	4-1-94
TRANSPORTATION	PA	7-21-94			
HYDROLOGY	NIA	6-2-94			

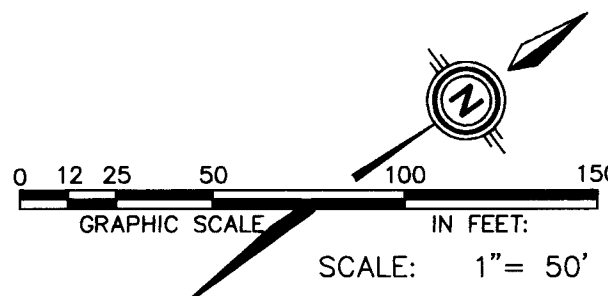
PROJECT NO. 4878.90

MAP NO. C-12

SHEET 8 OF 25



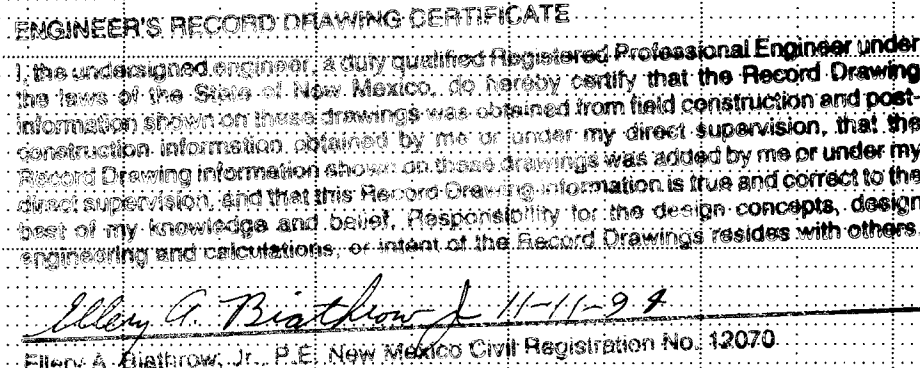
38					Z		DE	DR	C
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: RICHLAND HILLS - UNIT 1 PAVING PROFILE - RICHLAND HILLS ROAD N.W. GOLF COURSE ROAD TO STA. 22 +48.35									
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE				
DRC CHAIRMAN	B.G. Endrey	5-5-94	Water/SAS	NIA RWK	4-1-94				
TRANSPORTATION	R.Donk	7-01-94							
HYDROLOGY	NA JPC	5-2-94	Hydrology						
PROJECT NO.		MAP NO.		SHEET OF					
4878.90		B-12		8A 25					



KEYNOTES:

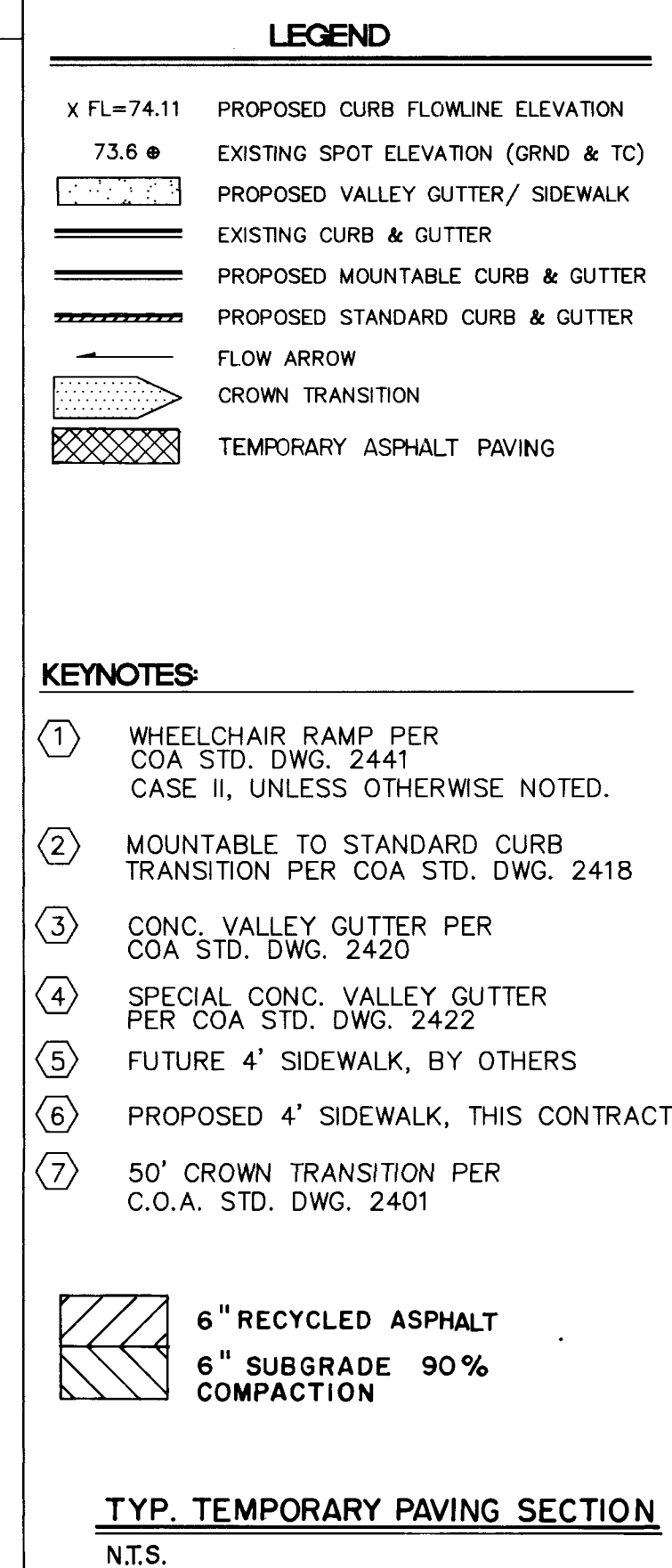
①	WHEELCHAIR RAMP PER COA STD. DWG. 2441 CASE II, UNLESS OTHERWISE NOTED.
②	MOUNTABLE TO STANDARD CURB TRANSITION PER COA STD. DWG. 2418
③	CONC. VALLEY GUTTER PER COA STD. DWG. 2420
④	SPECIAL CONC. VALLEY GUTTER PER COA STD. DWG. 2422
⑤	FUTURE 4' SIDEWALK, BY OTHERS
⑥	PROPOSED 4' SIDEWALK, THIS CONTRACT
⑦	50" CROWN TRANSITION PER C.O.A. STD. DWG. 2401
⑧	CROWN TRANSITION SEE MEDIAN DETAIL SHEET

CURB CURVE DATA (Face of Curve)			
CURVE IDEN	RADIUS	ARC	DELTA
A	40.00	40.95	058°39'22"
B	20.00	32.31	092°33'48"
C	35.00	38.08	062°20'10"
D	35.00	16.35	026°45'56"
E	20.00	29.28	063°52'59"
F	25.00	42.19	096°41'11"
M	25.00	35.74	061°54'18"
S	30.00	46.83	092°53'01"
T	30.00	36.48	069°40'20"
W	33.00	25.60	044°26'45"
X	35.00	27.75	045°26'05"
Y	30.00	46.68	089°08'43"
RR	198.76	54.05	012°54'14"
SS	410.77	41.39	007°10'06"

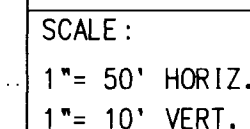


TITLE: RICHLAND HILLS- UNIT 1
PAVING PLAN & PROFILE
RICHLAND HILLS RD. & BEACON KNOLL CT. N.W

PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	9	OF	25
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CURS CURVE DATA (Face of Curve)			
CURVE IDEN	RADIUS	ARC	DELTA
N	20.00	30.27	086°42'30"
O	20.00	31.70	090°48'42"
P	35.00	33.89	055°38'50"
Q	35.00	22.94	037°32'48"
R	20.00	28.84	082°38'50"
S	30.00	48.63	092°53'01"
T	30.00	36.48	069°40'20"
U	35.00	27.81	045°31'47"



community
sciences
corporation

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
PAVING PLAN & PROFILE
OAKCREST PLACE & PINECREST DRIVE N.W.

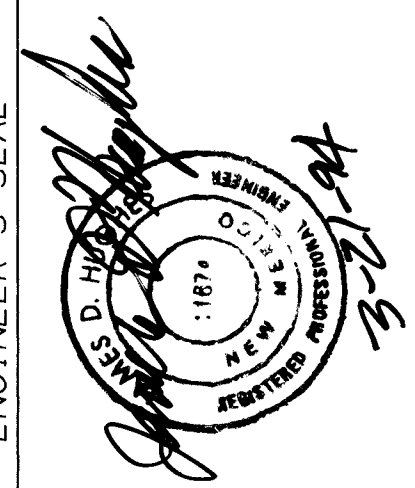
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>P. G. Sordley</i>	5-5-94	WATER	N/A	N/A
TRANSPORTATION	<i>R. D. Dwyer</i>	4-01-94	WASTE WATER	N/A	N/A
HYDROLOGY	<i>N/A</i>	5-2-94	WASTE WATER		

PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	10	OF	25
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AS BUILT INFORMATION	CONTRACTOR: <u>SUNSHINE MECH. ELEC. CO.</u>
	WORK: <u>STATE COMMUNITY SERVICES OFF. DATE: 07-14</u>
	DATE: <u>07-14</u>
	ACCEPTANCE BY: <u>VELOCITY BATHROOM</u> DATE: <u>07-14</u>
	FIELD NO. <u>07-14</u>
	VERIFICATION BY: <u>VELOCITY BATHROOM</u> DATE: <u>07-14</u>
	DRAWING NO. <u>07-14</u>
MICRO-FILM INFORMATION	DATE
RECORDED BY	
NO.	

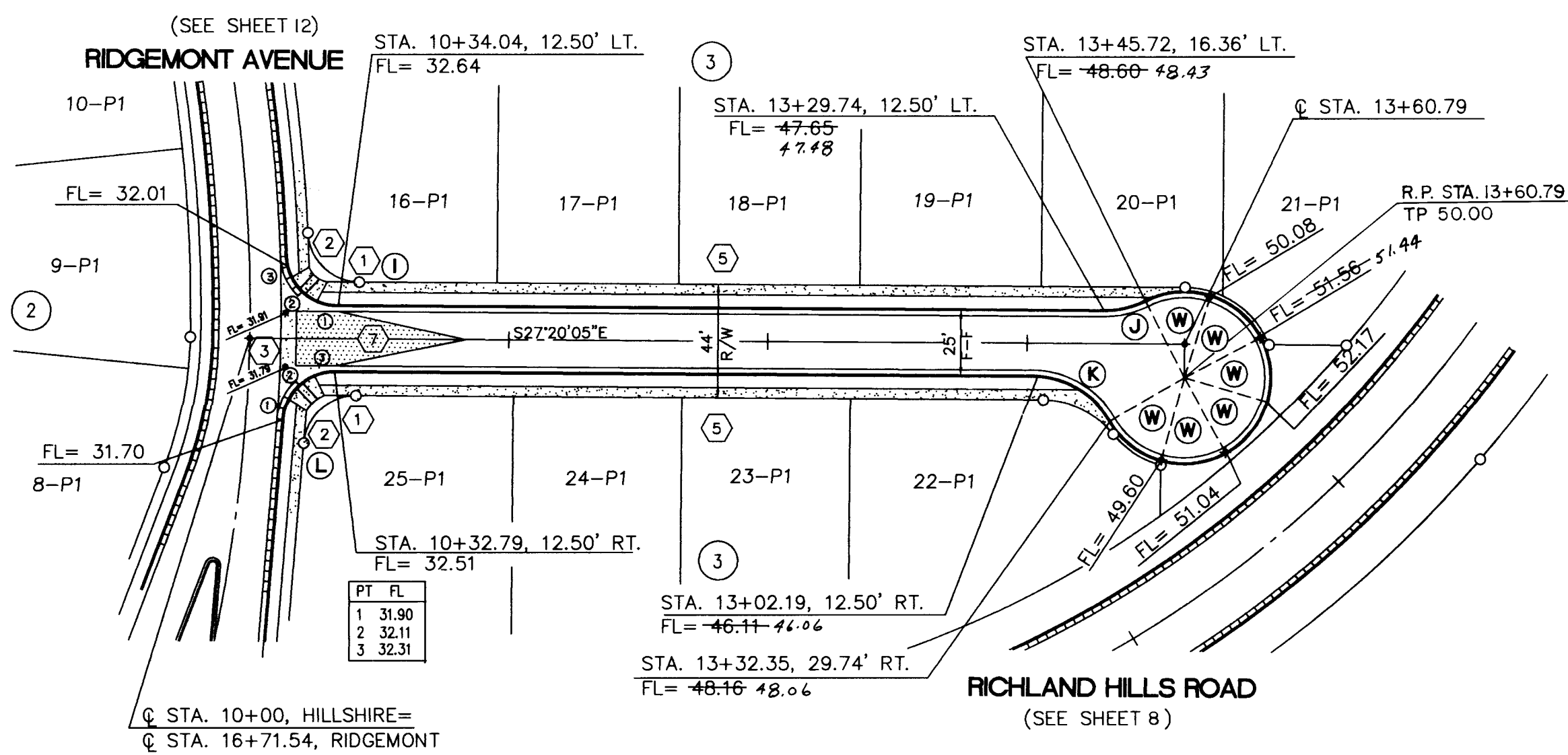
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ENGINEER'S SEAL

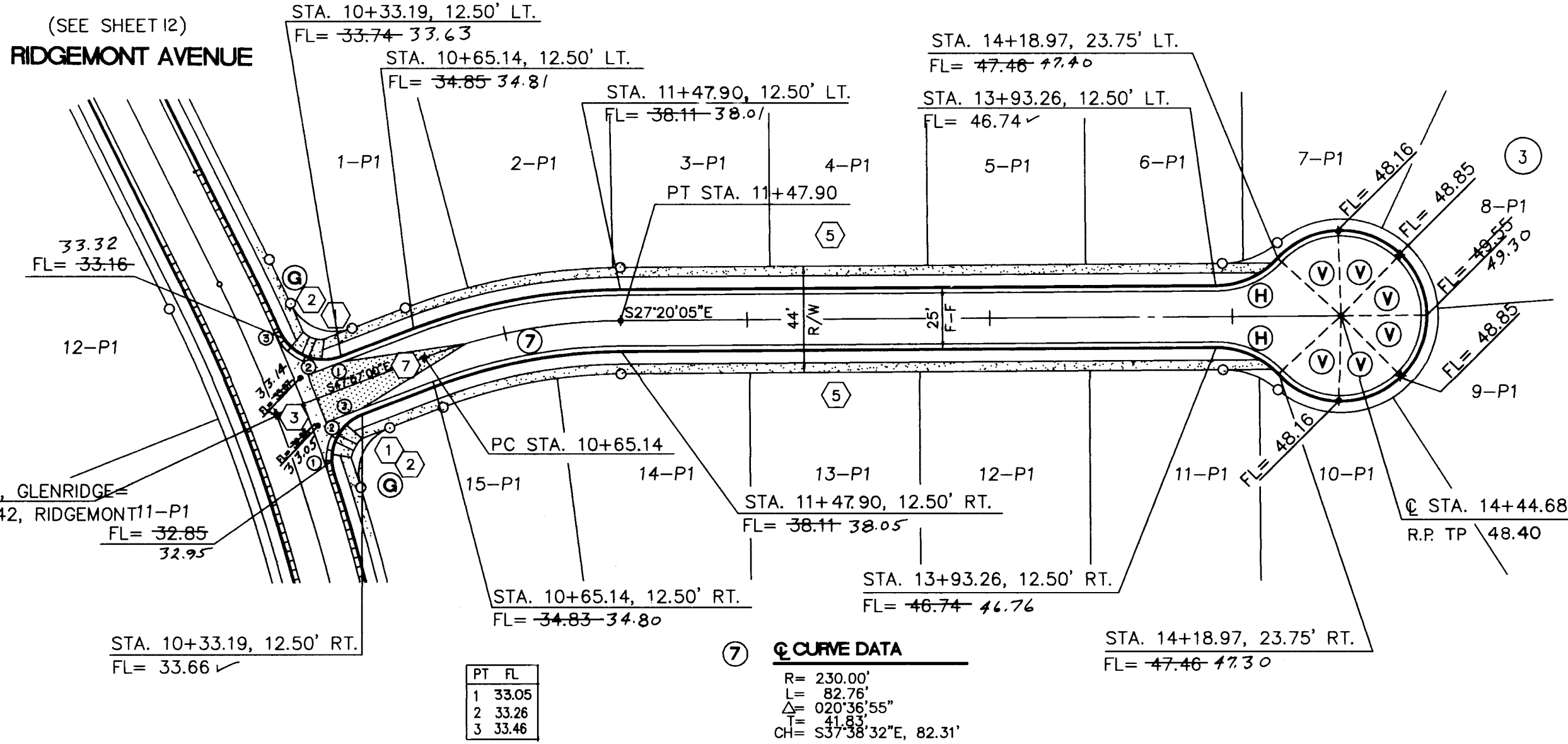


NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY		DATE	JAN. 1994
DRAWN BY		DATE	JAN. 1994
CHECKED BY		DATE	

SCANNED BY
BY LASON



HILLSHIRE PLACE N.W.
(MOUNTABLE CURB AND GUTTER W/RESIDENTIAL PAVING)



GLENRIDGE PLACE N.W.
(MOUNTABLE CURB AND GUTTER W/RESIDENTIAL PAVING)

LEGEND

X FL=74.11	PROPOSED CURB FLOWLINE ELEVATION
73.6	EXISTING SPOT ELEVATION (GRND & TC)
PROPOSED VALLEY GUTTER/ SIDEWALK	
EXISTING CURB & GUTTER	
PROPOSED MOUNTABLE CURB & GUTTER	
PROPOSED STANDARD CURB & GUTTER	
FLOW ARROW	
CROWN TRANSITION	

- KEYNOTES:
- 1 WHEELCHAIR RAMP PER COA STD. DWG. 2441 CASE II, UNLESS OTHERWISE NOTED.
 - 2 MOUNTABLE TO STANDARD CURB TRANSITION PER COA STD. DWG. 2418
 - 3 CONC. VALLEY GUTTER PER COA STD. DWG. 2420
 - 4 SPECIAL CONC. VALLEY GUTTER PER COA STD. DWG. 2422
 - 5 FUTURE 4' SIDEWALK, BY OTHERS
 - 6 PROPOSED 4' SIDEWALK, THIS CONTRACT
 - 7 50' CROWN TRANSITION PER C.O.A. STD. DWG. 2401
 - 8 CROWN TRANSITION SEE-MEDIAN DETAIL, SHEET

CURVE DATA
(Face of Curb)

CURVE IDEN	RADIUS	ARC	DELTA
G	20.00	30.42	087°09'06"
H	35.00	28.87	047°16'04"
J	35.00	16.59	027°09'49"
K	35.00	36.35	059°30'44"
V	35.00	27.95	045°45'24"
W	33.00	25.60	044°26'45"

ENGINEERING CERTIFICATE
I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Plans and Specifications herein are the work of me or under my direct supervision and that I am a duly licensed Professional Engineer in the State of New Mexico, License No. 12710.
May 9, 2014
Elmer A. Biedtner, Jr., P.E., State of New Mexico Civil Engineer License No. 12710

SCALE:
1" = 50' HORIZ.
1" = 10' VERT.

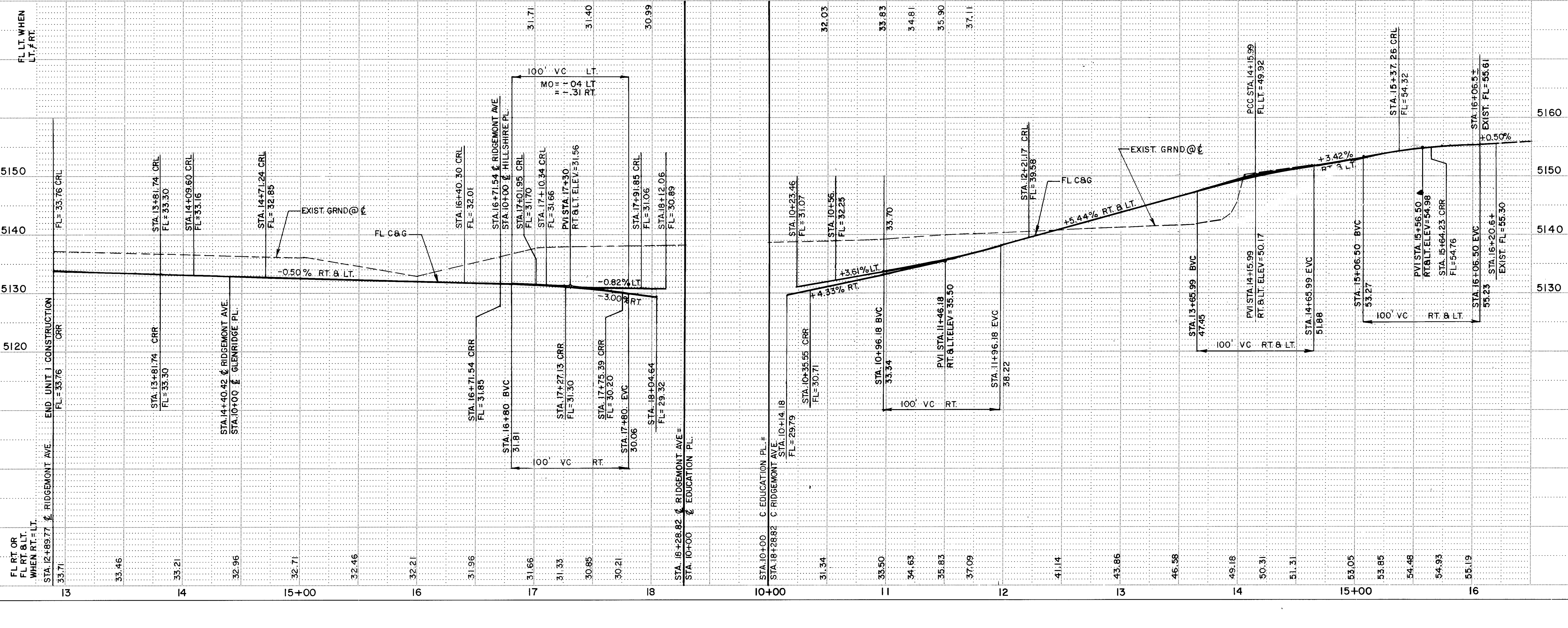
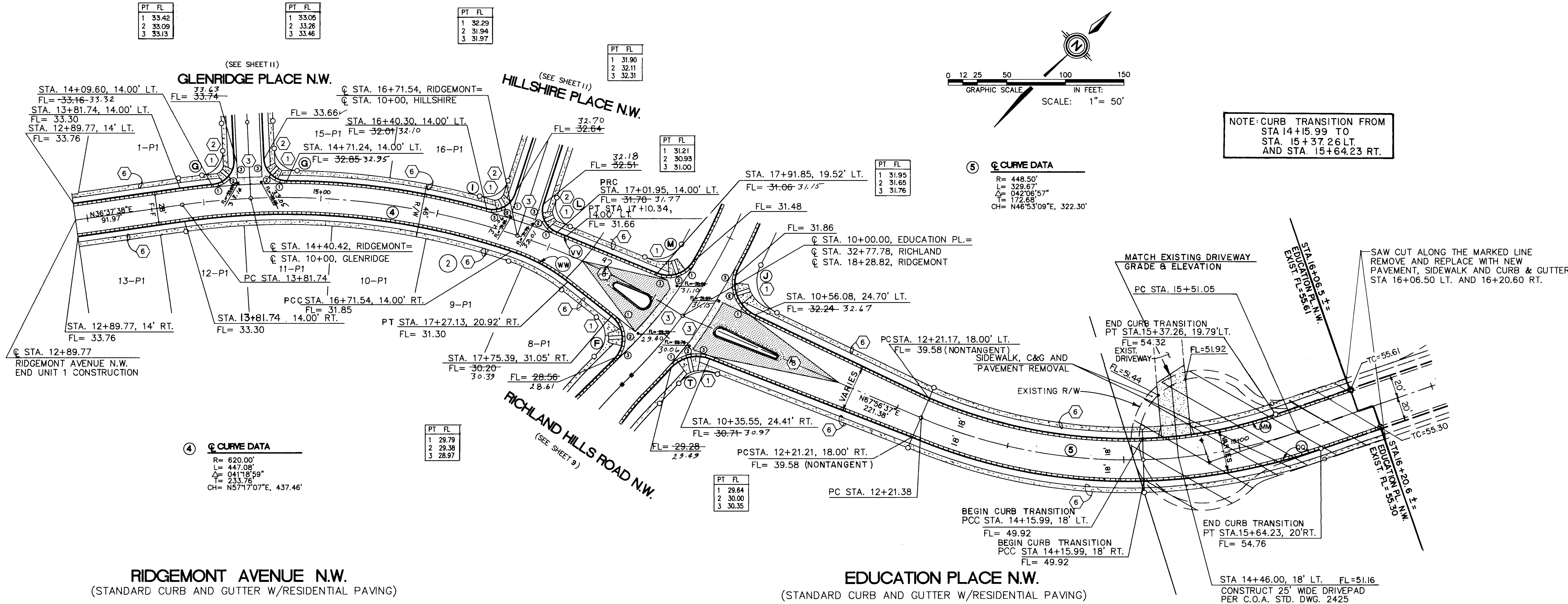
community sciences corporation

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
PAVING PLAN & PROFILE
HILLSHIRE PLACE & GLENRIDGE PLACE N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	B. J. Bailey	5-5-94	WATER/SAS	N/A	RWE 4-1-94
TRANSPORTATION	NA	5-2-94			
HYDROLOGY	NA	5-2-94			

PROJECT NO. 4878.90 MAP NO. C-12 SHEET 11 OF 25



ENGINEER'S RECORD DRAWING CERTIFICATE

I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on these drawings was obtained by me or under my direct supervision, that the construction information shown on these drawings was added by me or under my supervision, and that the design information shown on these drawings was added by me or under my supervision. I am not responsible for any errors or omissions in the design or construction of the project shown on these drawings.

SCALE:
1" = 50' HORIZ.
1" = 10' VERT.

community sciences corporation

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TITLE: RICHLAND HILLS- UNIT 1
PAVING PLAN & PROFILE
RIDGEMONT AVE. & EDUCATION PLACE N.W.**

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	5-5-94	WATER/SAS	N/A	4-1-94
TRANSPORTATION	4-01-94			
HYDROLOGY	5-2-94			

PROJECT NO. 4878.90

MAP NO. C-12

SHEET 12 OF 25

DESIGNED BY **DRAWN BY** **CHECKED BY**

DATE **DATE** **DATE**

REVISIONS

NO.	DATE	REMARKS
1		DESIGN

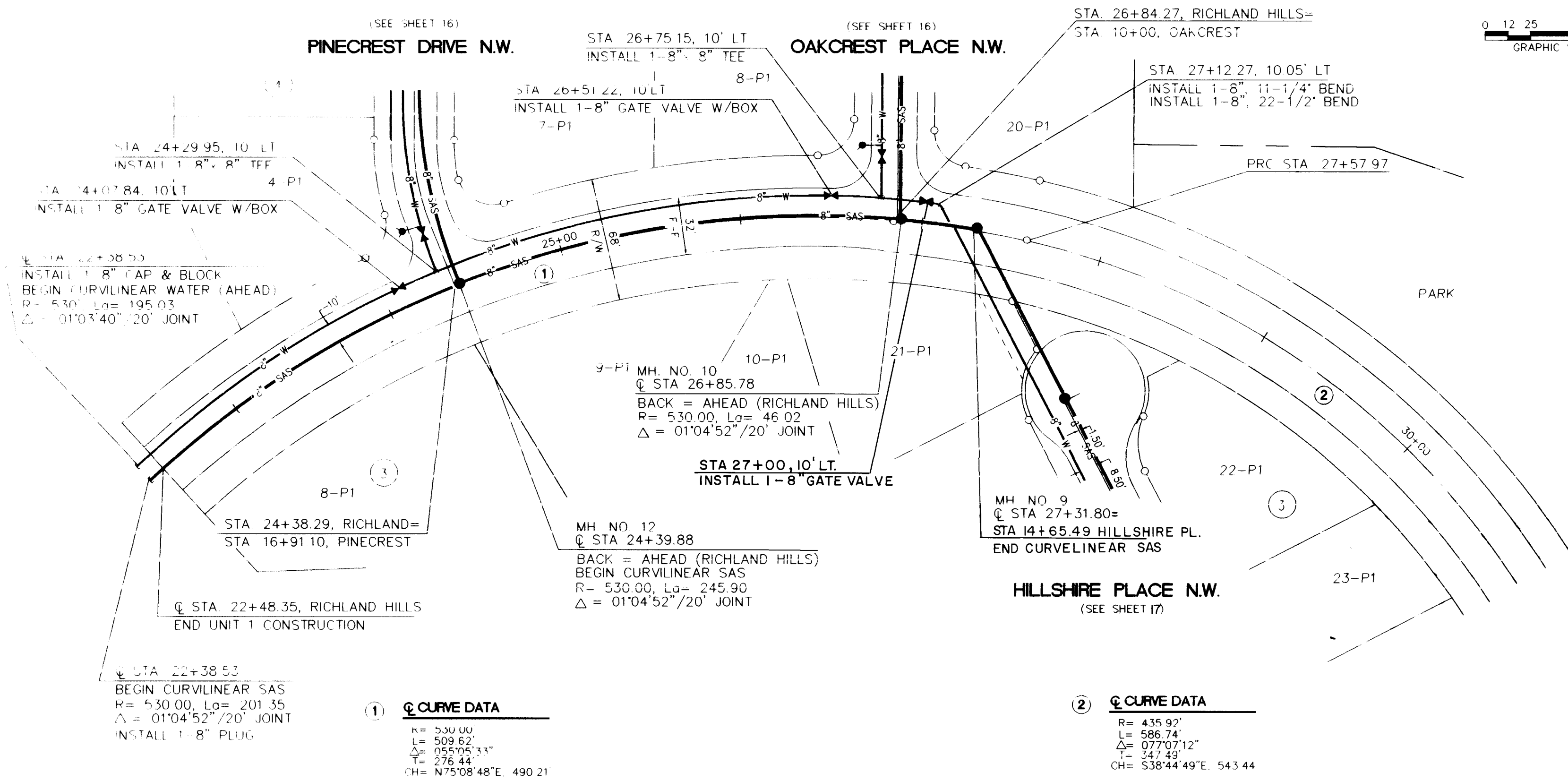
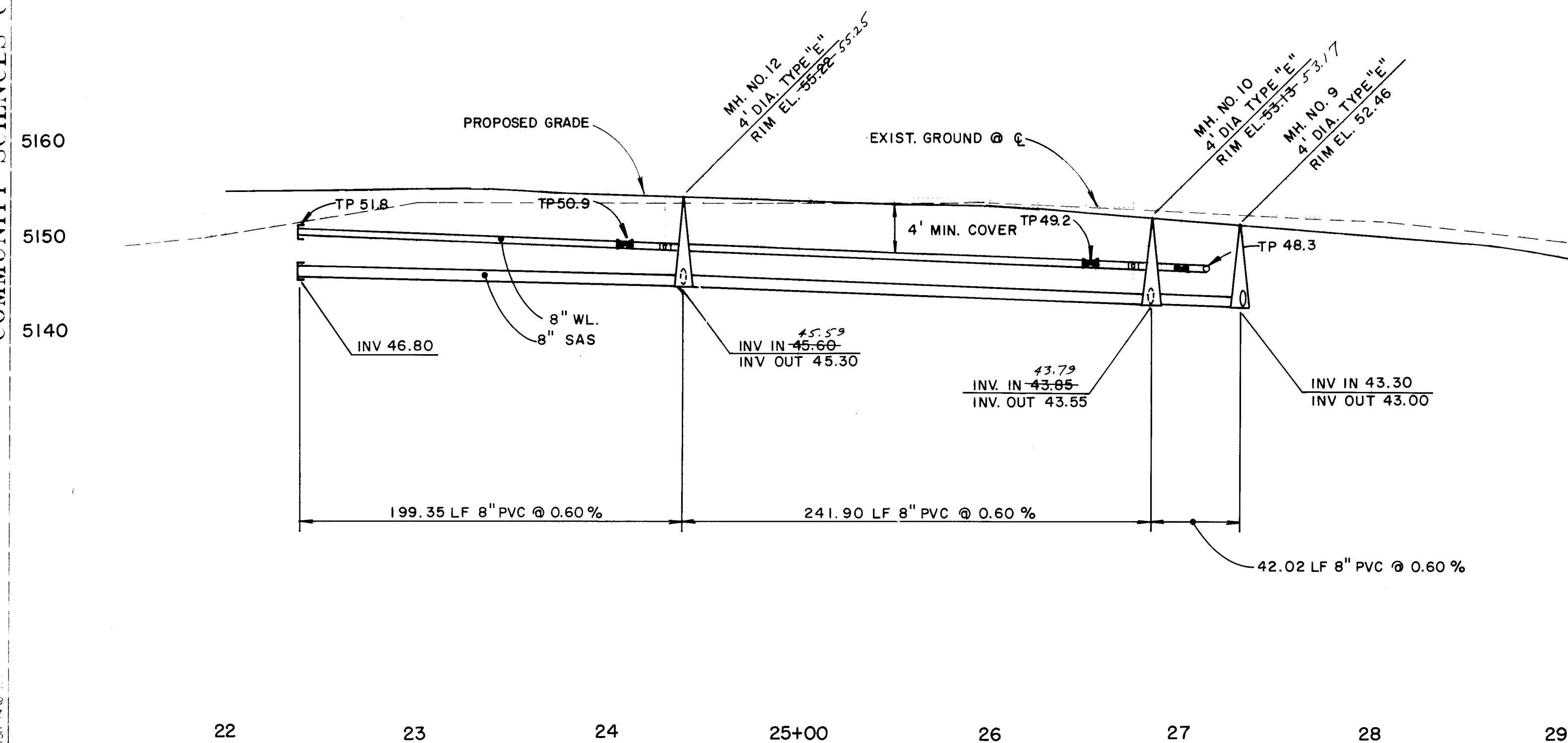
ENGINEER'S SEAL

AS BUILT INFORMATION

CONTRACTOR **DATE** **BY** **DATE** **BY** **DATE** **BY**

AS BUILT INFORMATION

CONTRACTOR **DATE** **BY** **DATE** **BY** **DATE** **BY**

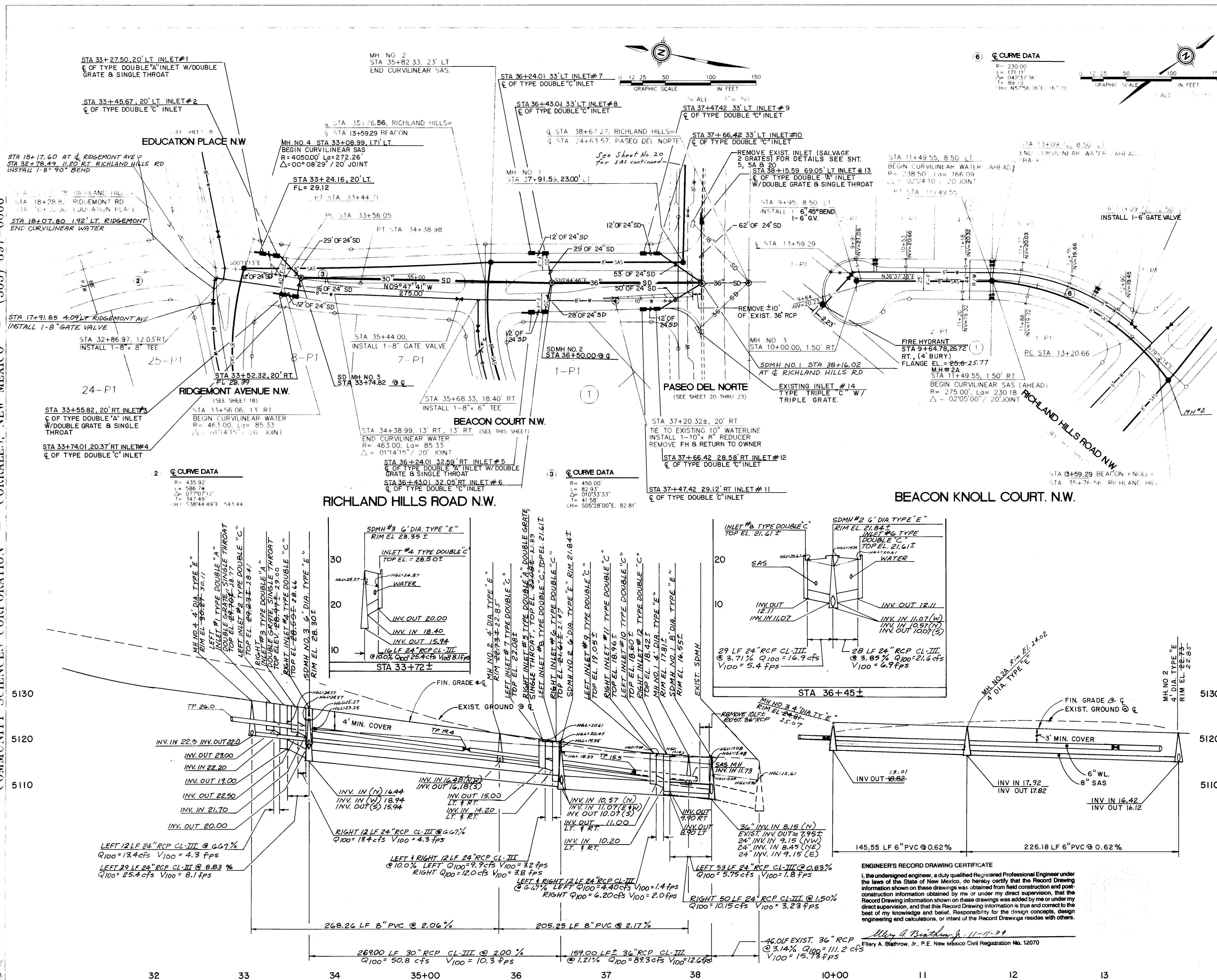


ENGINEER'S RECORD DRAWING CERTIFICATE
I, the undersigned engineer, a duly qualified Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Plans and Specifications shown on these drawings were obtained from field construction and post-construction information obtained by me or under my direct supervision, that the Plans and Specifications were prepared by me or under my direct supervision, and that this Record Drawing information is true and correct to the best of my knowledge and belief. Responsibility for the design concepts, design engineering and calculations, or intent of the Record Drawings resides with others.

Elmer A. Blathrow, Jr., P.E.
Elmer A. Blathrow, Jr., P.E. New Mexico Civil Registration No. 12070

SCALE 1" = 50' HORIZ. 1" = 10' VERT.	community sciences corporation
JOB NO. 14311-041	LAND PLANNING P.L.U. BOX 1320
ENGINEERING LUTHERS, N.M. 87040	SURVEYING LUTHERS, N.M. 87040
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: RICHLAND HILLS UNIT 1 UTILITY PLAN & PROFILE RICHLAND HILLS ROAD N.W.	
APPROVALS ENGINEER DATE 5-5-94 TRANSPORTATION DATE 4-01-94 HYDROLOGY DATE 5-2-94	APPROVALS ENGINEER DATE 5-5-94 N.M.U., INC. DATE 4-01-94 WATER/SAS DATE 4-1-94
PROJECT NO. 4878.90	MAP NO. C-12
SHEET 14	OF 25

SCANNED BY
LABOR

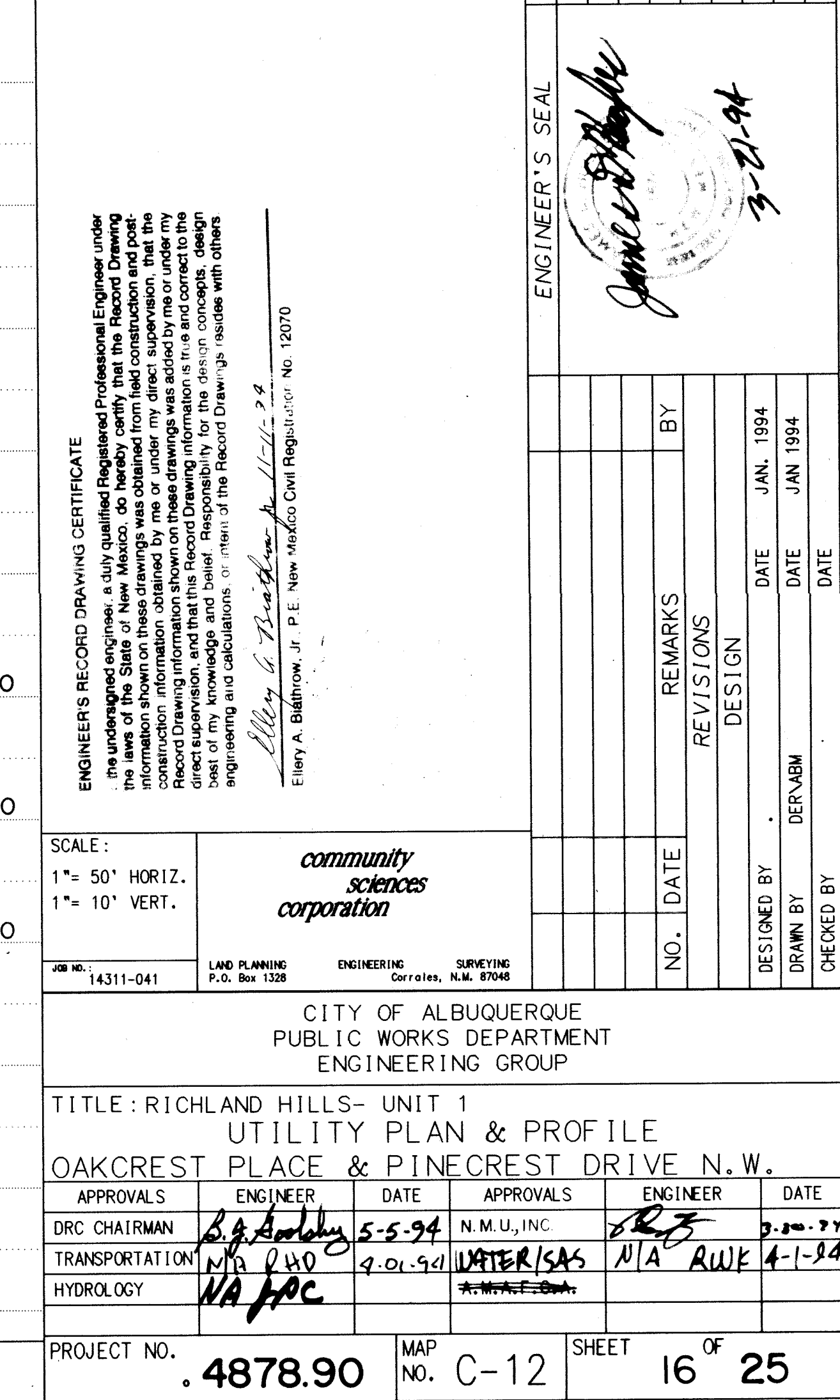
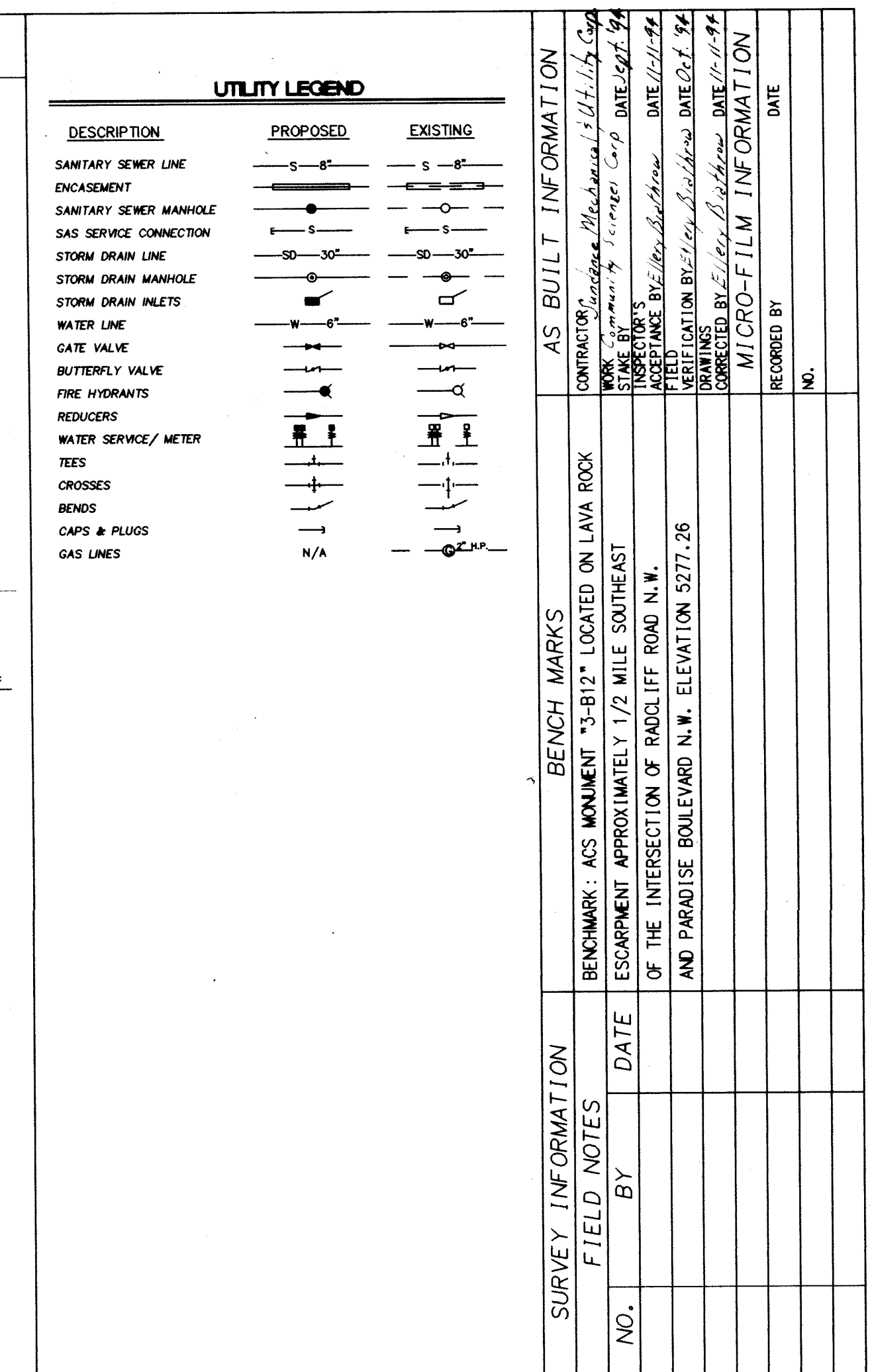


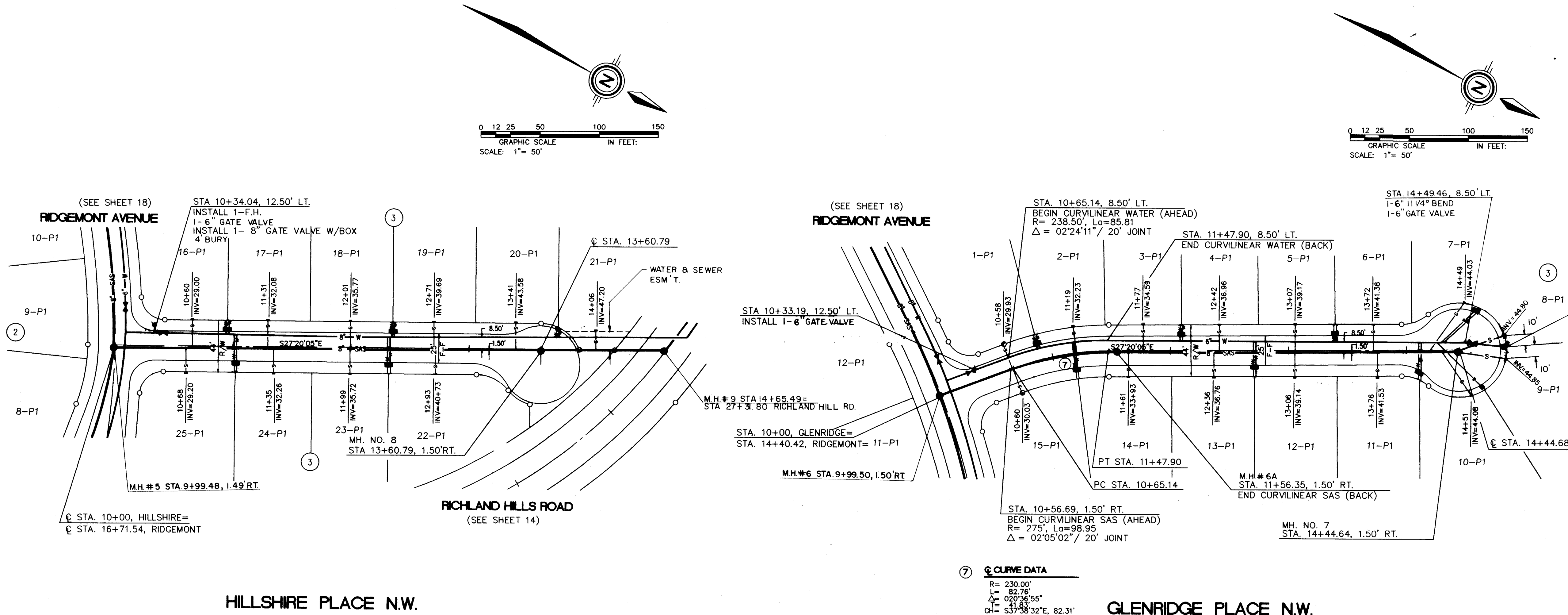
UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY - SEWER LINE	— 8" —	— 8" —
ENLARGEMENT		
SANITARY - SEWER MANHOLE		
STORM DRAIN LINE	— 5" —	— 5" —
STORM DRAIN MANHOLE		
STORM DRAIN "TEE"		
WATER LINE		
WATER VALVE		
BUTTERFLY VALVE		
HYDROMETER		
REDUCER		
WATER SERVICE METER		
TEE		
ROOF		
CEILING		
APRIL 1994		
APRIL 1994		

INFORMATION

1. **GENERAL** - SEE SHEET 11-94
2. **CONCRETE** - SEE SHEET 11-94
3. **STEEL** - SEE SHEET 11-94
4. **WOOD** - SEE SHEET 11-94
5. **PAVEMENT** - SEE SHEET 11-94
6. **UTILITIES** - SEE SHEET 11-94
7. **LANDSCAPE** - SEE SHEET 11-94
8. **PLANTING** - SEE SHEET 11-94
9. **STRUCTURES** - SEE SHEET 11-94
10. **FINISHES** - SEE SHEET 11-94
11. **DETAILS** - SEE SHEET 11-94
12. **NOTES** - SEE SHEET 11-94
13. **REVISIONS** - SEE SHEET 11-94
14. **DESIGN** - SEE SHEET 11-94
15. **CONSTRUCTION** - SEE SHEET 11-94
16. **MAINTENANCE** - SEE SHEET 11-94
17. **OPERATION** - SEE SHEET 11-94
18. **SAFETY** - SEE SHEET 11-94
19. **ENVIRONMENT** - SEE SHEET 11-94
20. **SOILS** - SEE SHEET 11-94
21. **WATER** - SEE SHEET 11-94
22. **AIR** - SEE SHEET 11-94
23. **NOISE** - SEE SHEET 11-94
24. **CLIMATE** - SEE SHEET 11-94
25. **VEGETATION** - SEE SHEET 11-94
26. **ANIMALS** - SEE SHEET 11-94
27. **PLANTS** - SEE SHEET 11-94
28. **MINERALS** - SEE SHEET 11-94
29. **FOSSILS** - SEE SHEET 11-94
30. **ARCHAEOLOGY** - SEE SHEET 11-94
31. **PALEONTOLOGY** - SEE SHEET 11-94
32. **ETHNOLOGY** - SEE SHEET 11-94
33. **LINGUISTICS** - SEE SHEET 11-94
34. **ANTHROPOLOGY** - SEE SHEET 11-94
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37. **ETHNOLOGY** - SEE SHEET 11-94
38. **LINGUISTICS** - SEE SHEET 11-94
39. **ANTHROPOLOGY** - SEE SHEET 11-94
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58. **LINGUISTICS** - SEE SHEET 11-94
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60. **ARCHAEOLOGY** - SEE SHEET 11-94
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62. **ETHNOLOGY** - SEE SHEET 11-94
63. **LINGUISTICS** - SEE SHEET 11-94
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72. **ETHNOLOGY** - SEE SHEET 11-94
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77. **ETHNOLOGY** - SEE SHEET 11-94
78. **LINGUISTICS** - SEE SHEET 11-94
79. **ANTHROPOLOGY** - SEE SHEET 11-94
80. **ARCHAEOLOGY** - SEE SHEET 11-94
81. **PALEONTOLOGY** - SEE SHEET 11-94
82. **ETHNOLOGY** - SEE SHEET 11-94
83. **LINGUISTICS** - SEE SHEET 11-94
84. **ANTHROPOLOGY** - SEE SHEET 11-94
85. **ARCHAEOLOGY** - SEE SHEET 11-94
86. **PALEONTOLOGY** - SEE SHEET 11-94
87. **ETHNOLOGY** - SEE SHEET 11-94
88. **LINGUISTICS** - SEE SHEET 11-94
89. **ANTHROPOLOGY** - SEE SHEET 11-94
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91. **PALEONTOLOGY** - SEE SHEET 11-94
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93. **LINGUISTICS** - SEE SHEET 11-94
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95. **ARCHAEOLOGY** - SEE SHEET 11-94
96. **PALEONTOLOGY** - SEE SHEET 11-94
97. **ETHNOLOGY** - SEE SHEET 11-94
98. **LINGUISTICS** - SEE SHEET 11-94
99. **ANTHROPOLOGY** - SEE SHEET 11-94
100. **ARCHAEOLOGY** - SEE SHEET 11-94
101. **PALEONTOLOGY** - SEE SHEET 11-94
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103. **LINGUISTICS** - SEE SHEET 11-94
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105. **ARCHAEOLOGY** - SEE SHEET 11-94
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107. **ETHNOLOGY** - SEE SHEET 11-94
108. **LINGUISTICS** - SEE SHEET 11-94
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117. **ETHNOLOGY** - SEE SHEET 11-94
118. **LINGUISTICS** - SEE SHEET 11-94
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125. **ARCHAEOLOGY** - SEE SHEET 11-94
126. **PALEONTOLOGY** - SEE SHEET 11-94
127. **ETHNOLOGY** - SEE SHEET 11-94
128. **LINGUISTICS** - SEE SHEET





7 CURVE DATA

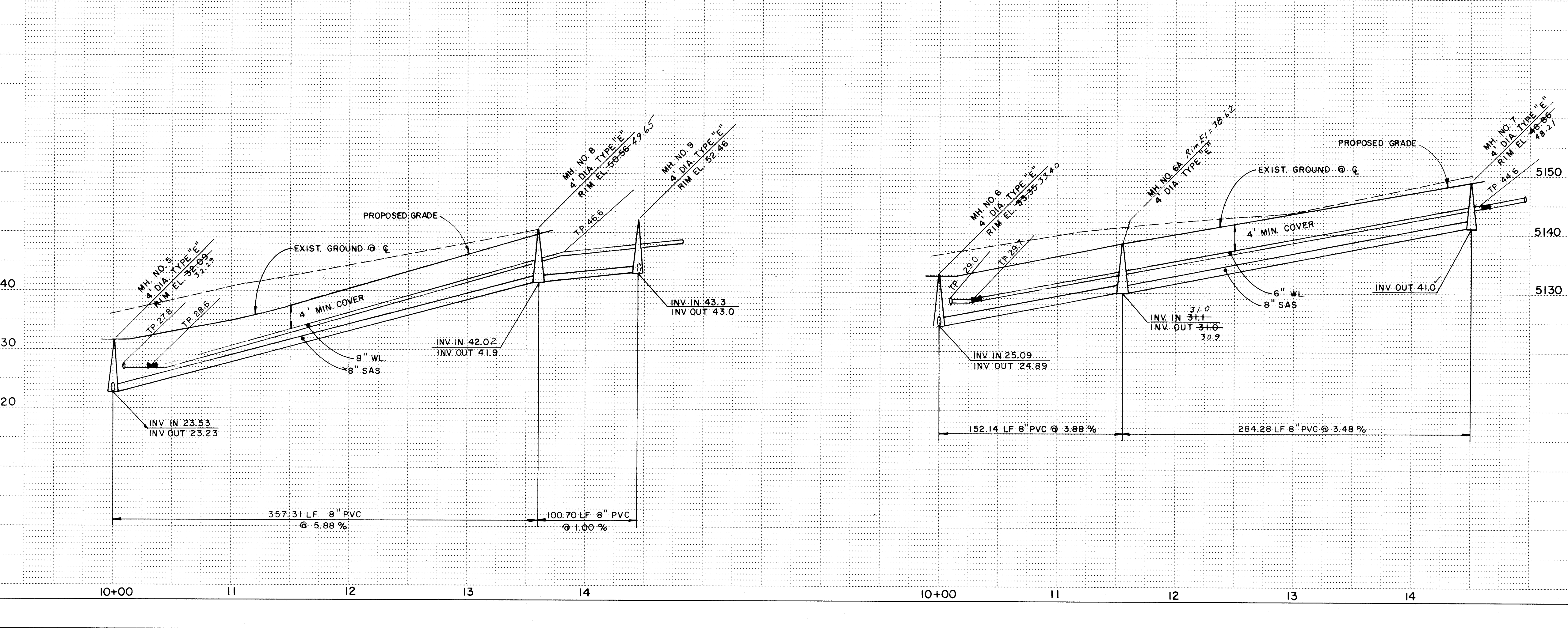
R=	230.00'
L=	82.76'
Δ=	02°05'55"
CH=	S37°38'32"E, 82.31'

GLENRIDGE PLACE N.W.

UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	—S—8"	—S—8"
ENCASEMENT	—E—	—E—
SANITARY SEWER MANHOLE	—SM—	—SM—
SAS SERVICE CONNECTION	—SSC—	—SSC—
STORM DRAIN LINE	—SD—30"	—SD—30"
STORM DRAIN MANHOLE	—SDM—	—SDM—
WATER LINE	—W—6"	—W—6"
GATE VALVE	—GV—	—GV—
BUTTERFLY VALVE	—BV—	—BV—
FIRE HYDRANTS	—FH—	—FH—
REDUCERS	—R—	—R—
TEES	—T—	—T—
CROSSES	—C—	—C—
BENDS	—B—	—B—
CAPS & PLUGS	—CP—	—CP—
GAS LINES	N/A	—G—

CONTRACTOR: <i>Community Sciences Corporation</i> DATE: 5-5-94		AS BUILT INFORMATION CONTRACTOR: <i>Community Sciences Corporation</i> DATE: 5-5-94	
INSPECTOR: <i>NA PAC</i> DATE: 5-5-94		INSPECTOR: <i>NA PAC</i> DATE: 5-5-94	
VERIFICATION BY: <i>NA PAC</i> DATE: 5-5-94		VERIFICATION BY: <i>NA PAC</i> DATE: 5-5-94	
RECORDED BY: <i>NA PAC</i> DATE: 5-5-94		RECORDED BY: <i>NA PAC</i> DATE: 5-5-94	



ENGINEER'S RECORD DRAWING CERTIFICATE

I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing information shown on these drawings was obtained from field construction and post-construction inspection and that the information shown on these drawings is true and correct to the best of my knowledge and belief. I am not responsible for the design or construction of the project shown on these drawings.

Elmer A. Buehler, Jr.
 Elmer A. Buehler, Jr., P.E. New Mexico Civil Registration No. 12070

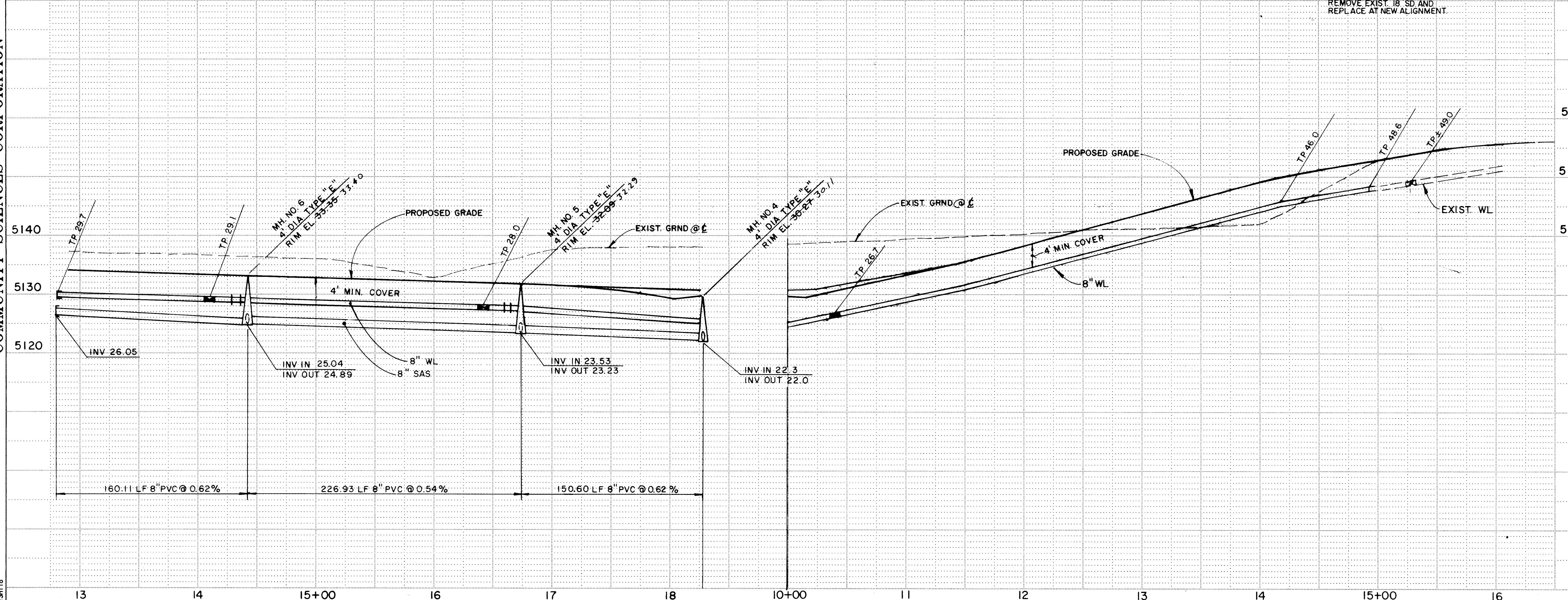
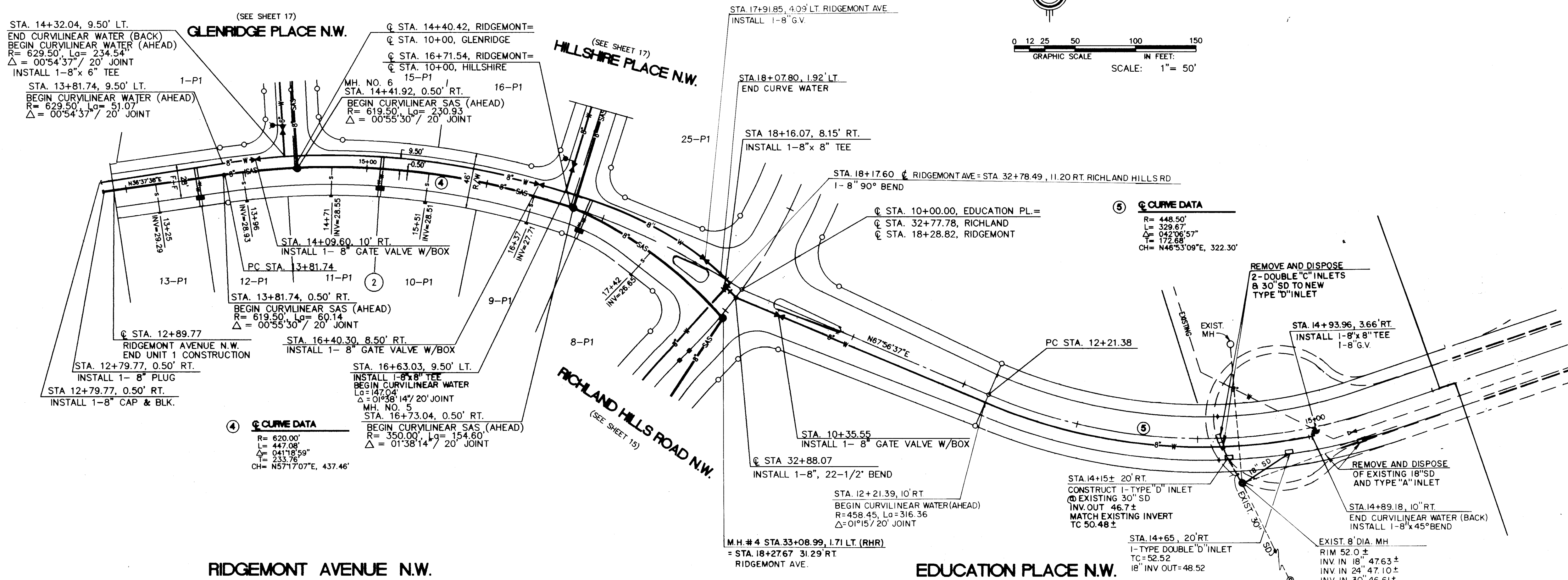
SCALE:	1" = 50' HORIZ.	1" = 10' VERT.
NO.	14311-041	
LAND PLANNING	P.O. Box 1328	
ENGINEERING	Corrales, N.M. 87048	
SURVEYING		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
UTILITY PLAN & PROFILE
HILLSHIRE PLACE & GLENRIDGE PLACE N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>NA PAC</i>	5-5-94	N.M.U., INC.	<i>NA PAC</i>	5-5-94
TRANSPORTATION	<i>NA PAC</i>	5-5-94	WATER/SAS	<i>NA PAC</i>	5-5-94
HYDROLOGY	<i>NA PAC</i>	5-5-94			

PROJECT NO. **4878.90** MAP NO. **C-12** SHEET **17** OF **25**



UTILITY LEGEND		AS BUILT INFORMATION	
DESCRIPTION	PROPOSED	EXISTING	
SANITARY SEWER LINE	—S—S—	—S—S—	
ENCASEMENT	—E—E—	—E—E—	
SANITARY SEWER MANHOLE	—SM—	—SM—	
SAS SERVICE CONNECTION	—SC—	—SC—	
STORM DRAIN LINE	—SD—	—SD—	
STORM DRAIN MANHOLE	—SDM—	—SDM—	
STORM DRAIN INLETS	—SDI—	—SDI—	
WATER LINE	—W—W—	—W—W—	
GATE VALVE	—GV—	—GV—	
BUTTERFLY VALVE	—BV—	—BV—	
FIRE HYDRANTS	—FH—	—FH—	
REDUCERS	—R—R—	—R—R—	
WATER SERVICE/ METER	—WSM—	—WSM—	
TEES	—T—T—	—T—T—	
CROSSES	—C—C—	—C—C—	
BENDS	—B—B—	—B—B—	
CAPS & PLUGS	—CP—	—CP—	
GAS LINES	—G—G—	—G—G—	

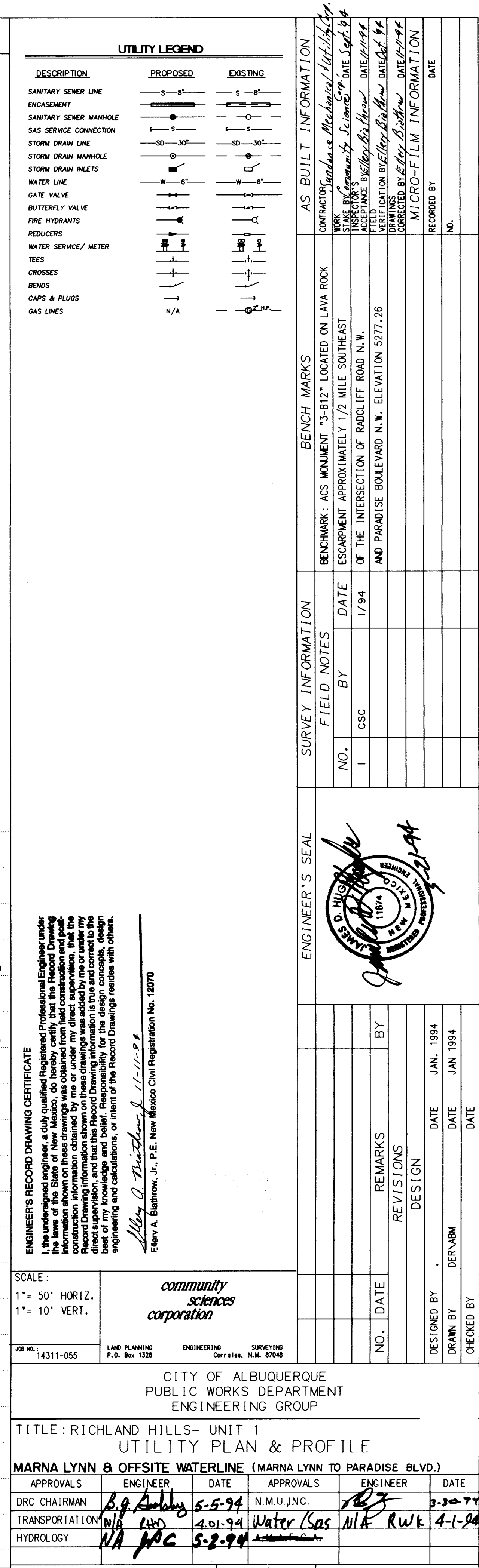
SURVEY INFORMATION		BENCH MARKS	
NO.	DATE	BY	DATE

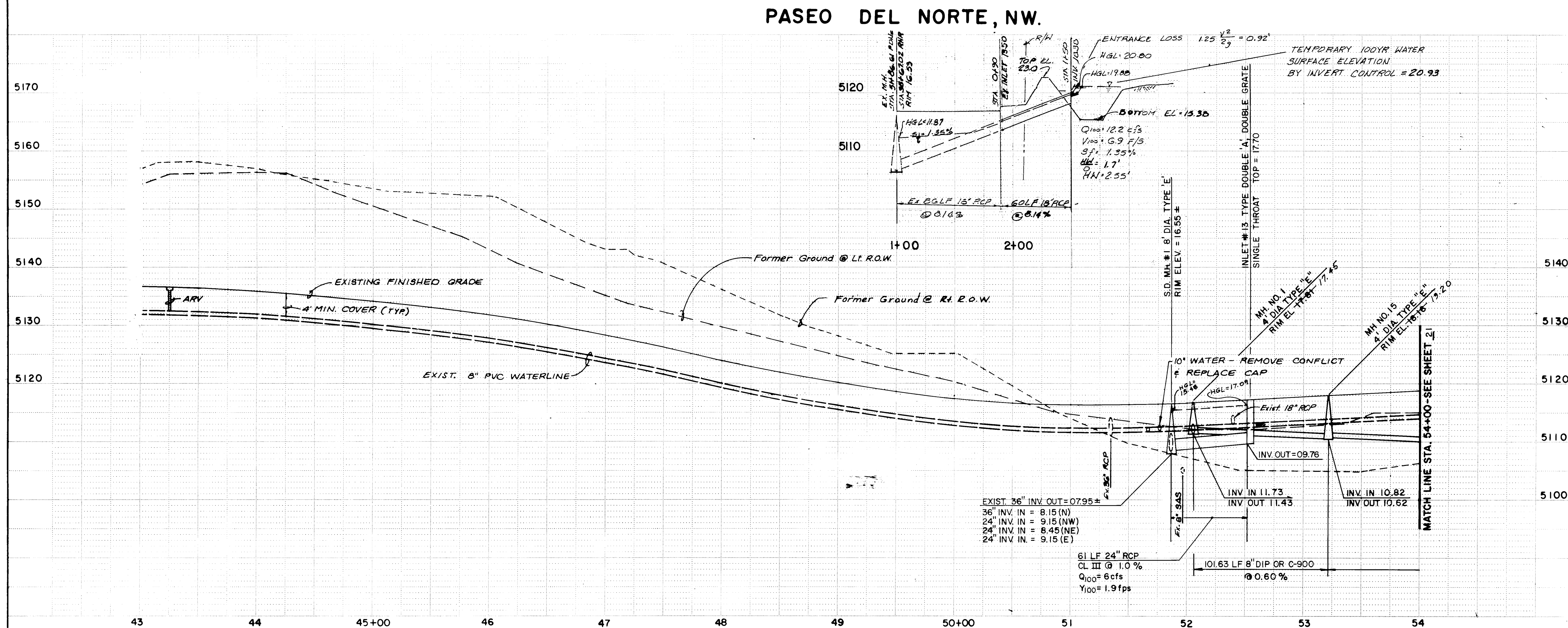
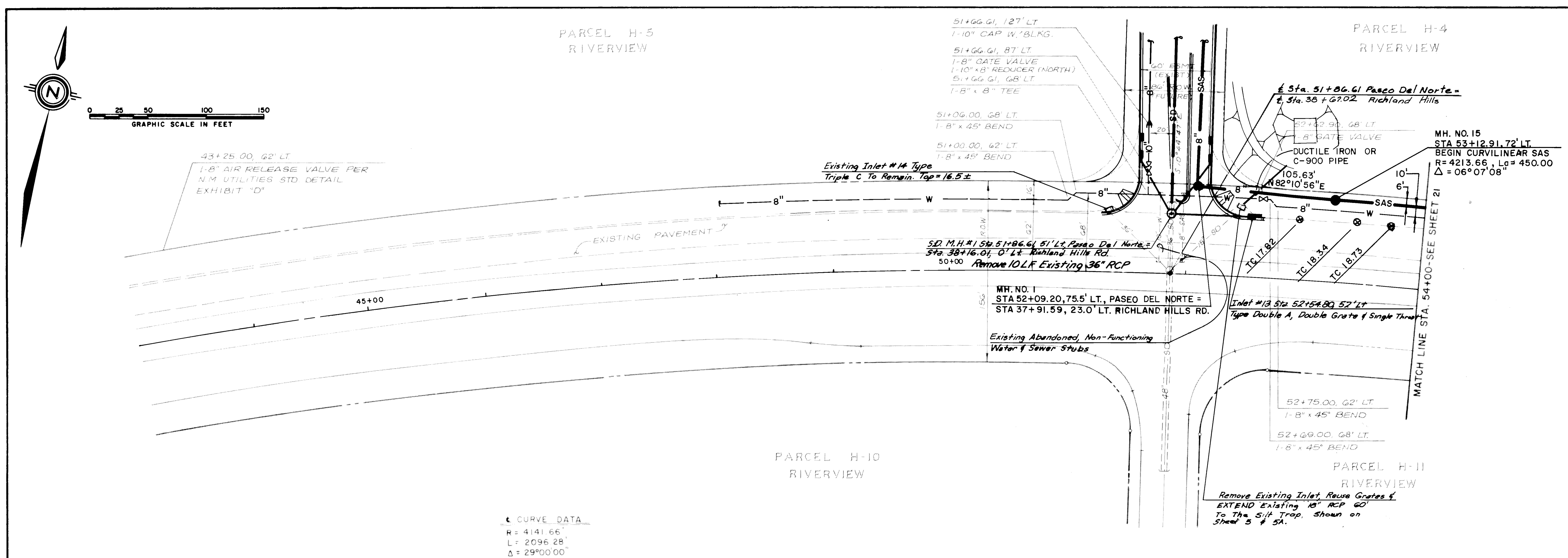
ENGINEER'S SEAL		REVISIONS	
NO.	DATE	REMARKS	BY

DESIGN		DATE	
DESIGNED BY	DATE	DESIGNED BY	DATE

CITY OF ALBUQUERQUE		PUBLIC WORKS DEPARTMENT	
ENGINEERING GROUP		TITLE: RICHLAND HILLS- UNIT 1	
		UTILITY PLAN & PROFILE	
		RIDGEMONT AVE. & EDUCATION PLACE N.W.	
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	DATE	DATE	ENGINEER
TRANSPORTATION	DATE	DATE	DATE
HYDROLOGY	DATE	DATE	DATE

PROJECT NO.		MAP NO.	
PROJECT NO.	MAP NO.	SHEET	OF
4878.90	C-12	18	25





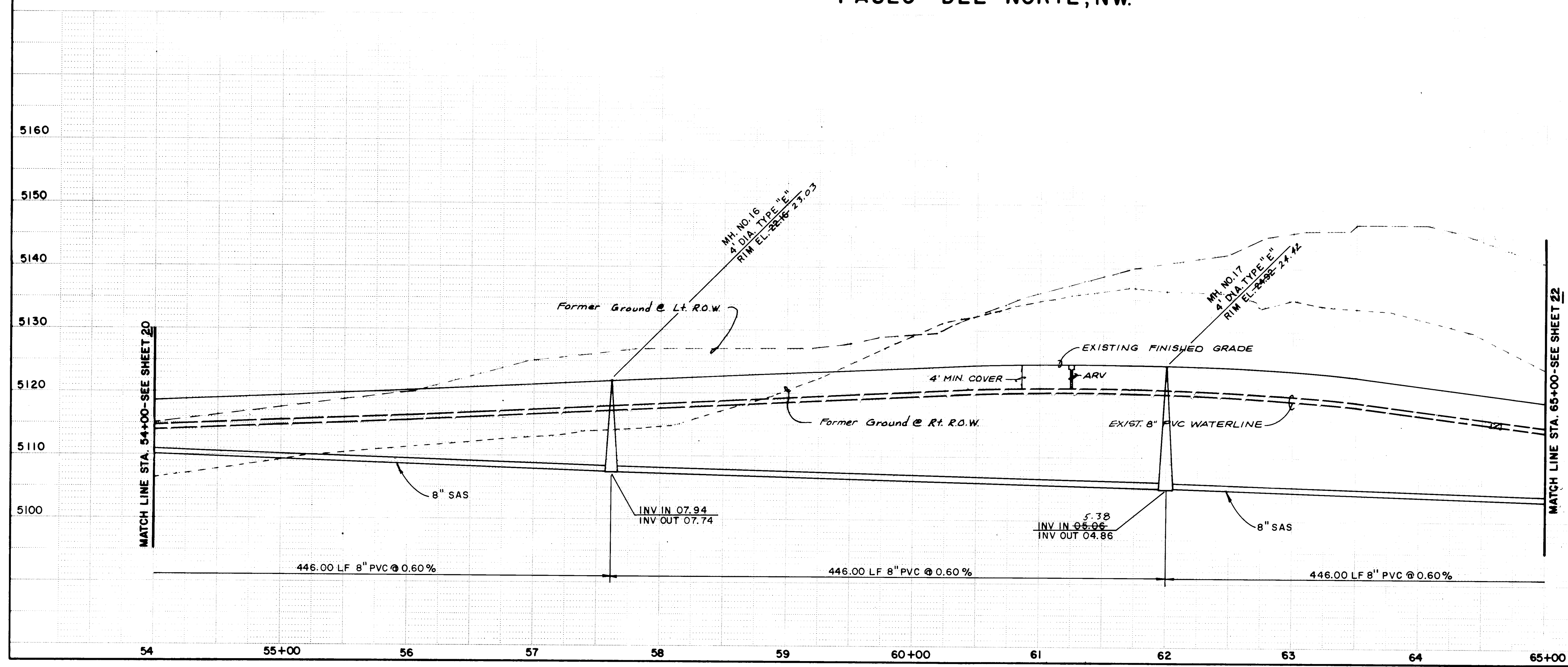
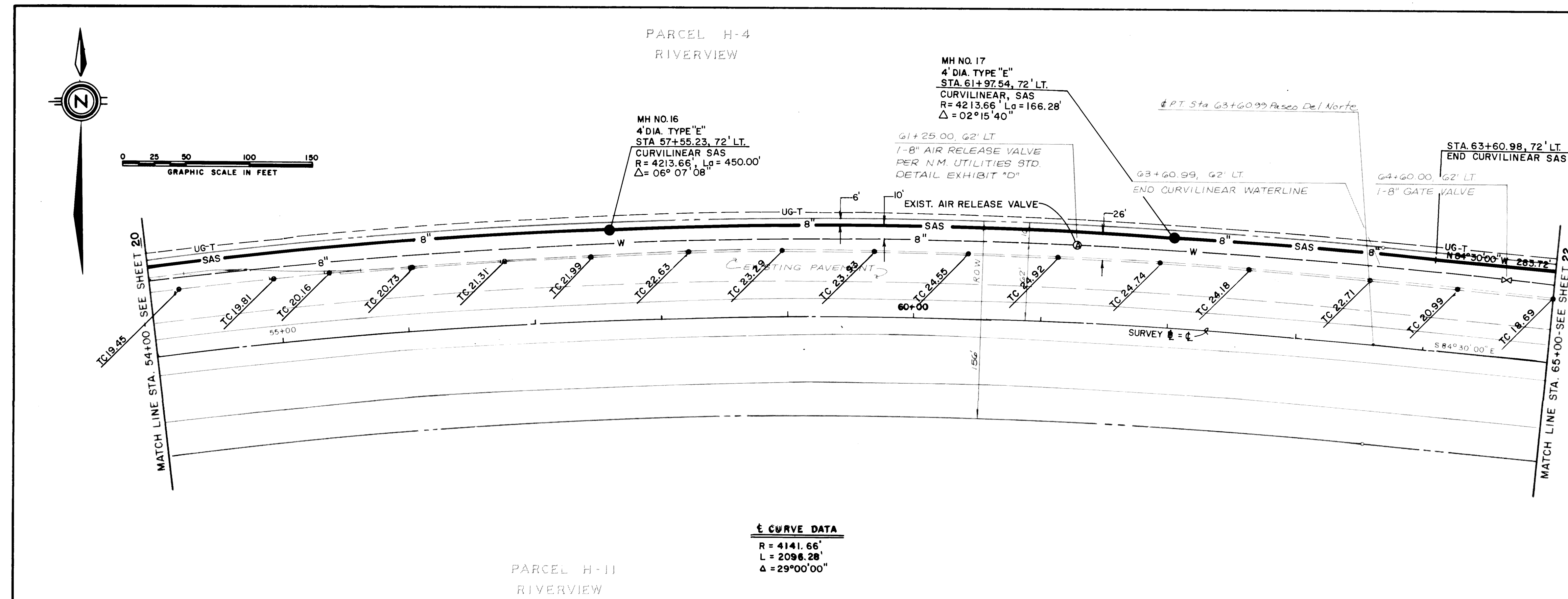
ENGINEER'S RECORD DRAWING CERTIFICATE
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Elmer A. Bannock, Jr., P.E.
Elmer A. Bannock, Jr., P.E. New Mexico Civil Registration No. 12070

SCALE:
1" = 50'
HORIZ.
1" = 10'
VERT.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: RICHLAND HILLS-UNIT I OFFSITE SANITARY SEWER (OUTFALL) PASEO DEL NORTE, N.W.			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	<i>A. J. Bailey</i>	5-5-94	N.M.U.J.N.C.
TRANSPORTATION	<i>W. A. Dwyer</i>	4-01-94	Water/SAS
HYDROLOGY	<i>W. A. Dwyer</i>	5-2-94	W. A. Dwyer
DRAWING NO. 4878.90		MAP NO. C-12	
SHEET 20		OF 25	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Richland Hills	BENCH MARK	ACS MONUMENT "3-B12" LOCATED ON LAVA ROCK	NO.	1		
CONTRACT NO.	5-5-94	ESCAPMENT	APPROXIMATELY 1/2 MILE SOUTHEAST OF THE	BY	CSC		
DATE	5-5-94	INTERSECTION	OF RADCLIFF ROAD N.W. AND PARADISE	DATE	1/94		
REVISIONS		BOULEVARD N.W. ELEVATION	5277.26	REVISIONS			
DESIGNED BY	ZJR	DATE	FEB. 1994	NO.		DESIGN	
DRAWN BY	STAFF	DATE	FEB. 1994	BY		REVISIONS	
CHECKED BY		DATE		DATE		DESIGN	



SCANNED BY
BY LARON

ENGINEER'S RECORD DRAWING CERTIFICATE
I, the undersigned engineer, a duly qualified Registered Professional Engineer under the laws of the State of New Mexico, do hereby certify that the Record Drawing shown on these drawings was prepared by me or under my direct supervision, that the construction information obtained by me or under my direct supervision, that the Record Drawing information shown on these drawings was added by me or under my direct supervision, and that the Record Drawing information is true and correct to the best of my knowledge and belief, and that I am not providing engineering services for the engineering and calculations, or intent of the Record Drawings resides with others.

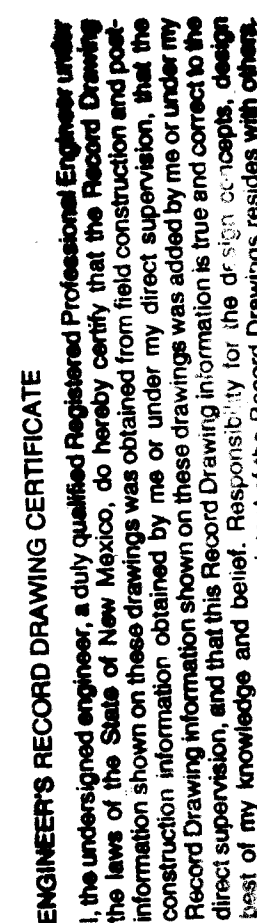
Elmer A. Blumhagen, Jr., P.E. New Mexico Civil Registration No. 12070

SCALE:
1" = 50'
HORIZ.
1" = 10'
VERT.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RICHLAND HILLS - UNIT I OFFSITE SANITARY SEWER (OUTFALL) PASEO DEL NORTE, N.W.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Bullock	5-5-94	N.M.U., INC.	[Signature]	7-30-94
TRANSPORTATION	N.M.U.	5-2-94	Water/SAS	N/A	4-1-94
HYDROLOGY	N/A	5-2-94			
DRAWING NO. 4878.90		MAP NO. C-12		SHEET 21 OF 25	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	DATE	CONTRACTOR	DATE
1	COMMUNITY SCIENCE	12/83		CONTRACTOR: [Signature]	DATE: [Signature]
				STATE: [Signature]	DATE: [Signature]
				FIELD: [Signature]	DATE: [Signature]
				REVISION: [Signature]	DATE: [Signature]
				CORRECTION: [Signature]	DATE: [Signature]
				RECORDED BY	DATE
				NO	

ENGINEER'S SEAL		REVISIONS	
NO.	DATE	NO.	DATE
DESIGNED BY ZJR		DATE FEB 1994	
DRAWN BY STAFF		DATE FEB 1994	
CHECKED BY		DATE	



Wiley A. Brathwaite 11-11-94

SCALE:
1" = 50' HORIZ
1" = 10' VERT.

community
sciences
corporation

JOB NO.: 143-11-057

LAND PLANNING
P.O. Box 1329

ENGINEERING SURVEYING
Corrales, N.M. 87048

[illegible]

NO
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DES	DRA
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
OFFSITE STORM DRAIN
RANCHO LINDO CT. N.W.

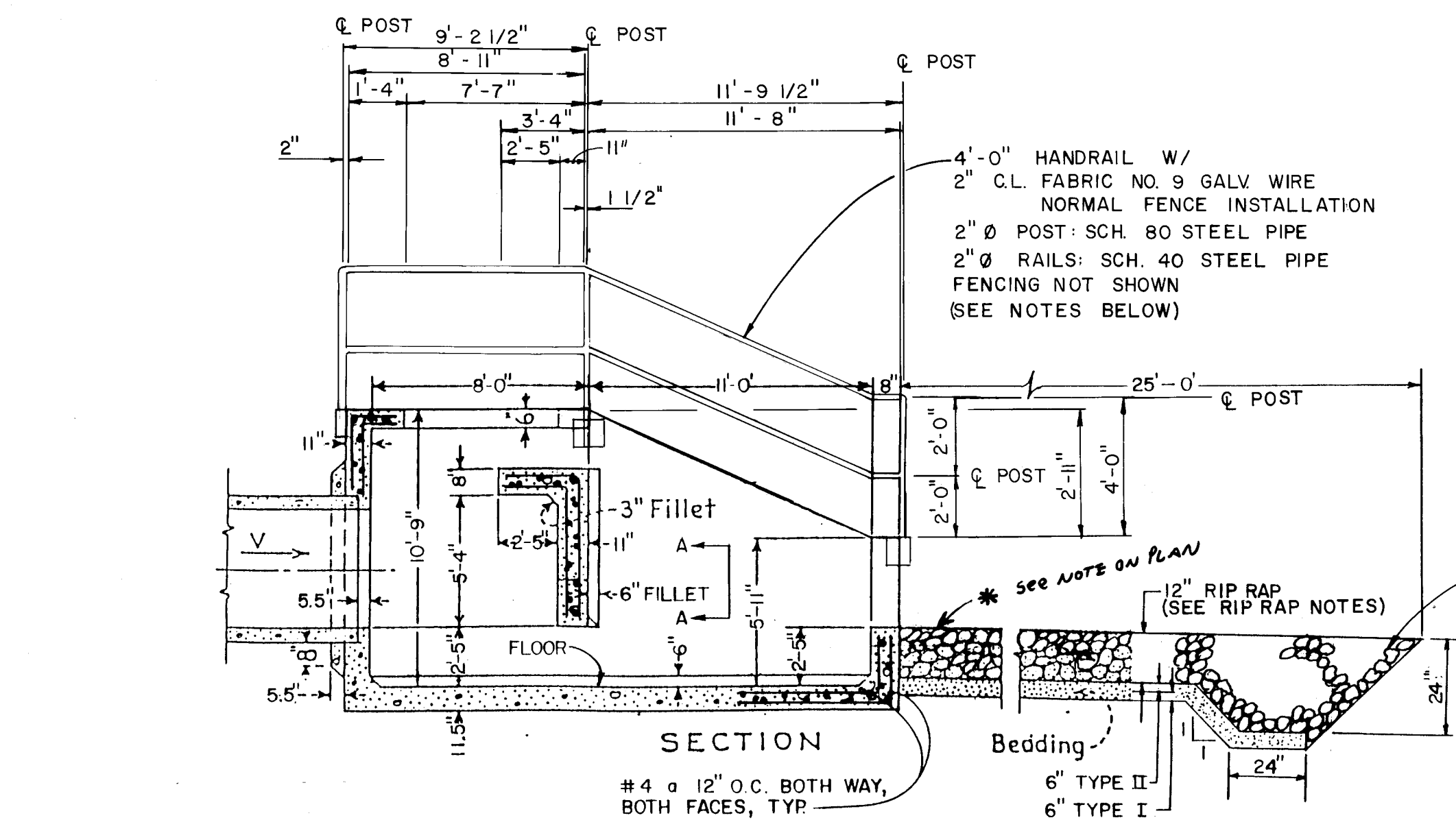
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Gubley</i>	5-5-94	N.M.U., INC.		
TRANSPORTATION	<i>N.R. (HW)</i>	7-01-94	Water / SAS	<i>N/A R.W.K.</i>	4-1-94
HYDROLOGY	<i>Austin</i>	5-2-94	A.M.A.F.C.A.	<i>John Kelly</i>	5-2-94

PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	24	OF	25
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SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION
NO.	FIELD NOTES	DATE		
1	COMMUNITY SERVICES CORP.	12/93	BENCHMARK: ACS MONUMENT "3-B12" LOCATED ON LAVA ROCK ESCARPMENT APPROXIMATELY 1/2 MILE SOUTHEAST OF THE INTERSECTION OF RADCLIFF ROAD N.W. AND PARADISE BOULEVARD N.W. ELEVATION 5277.26	CONTRACTOR: <u>Community Services Corp.</u> DATE: <u>April 1994</u> INSPECTOR'S: <u>Jeffrey A. Blevins</u> DATE: <u>6/1/94</u> APPROVED BY: <u>Jeffrey A. Blevins</u> DATE: <u>6/1/94</u> VERIFICATION BY: <u>Jeffrey A. Blevins</u> DATE: <u>6/1/94</u> CORRECTED BY: <u>Jeffrey A. Blevins</u> DATE: <u>6/1/94</u>
				MICRO-FILM INFORMATION
				RECORDED BY
				DATE
				NO.

[illegible]

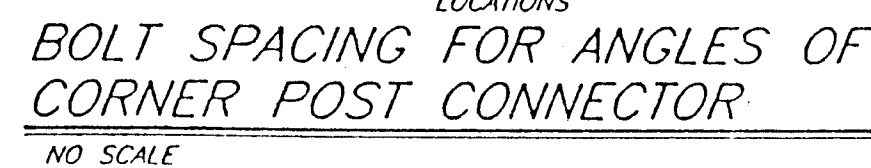
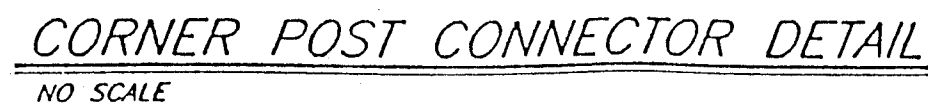
CONTAINED BY
BY LASON



1. ALL POSTS, RAILS, PLATES, ANGLE, BOLTS, ETC... SHALL BE OF STRUCTURAL STEEL AND GALVANIZED PER COA STANDARDS.
2. INSTALL CHAIN LINK FABRIC ON OUTSIDE OF PIPE RAIL.
3. TENSION WIRE SHALL BE 7 GA. SPRING STEEL WITH 11 GA. WIRE TIES @ 24" ± C.C.
4. TENSION BARS AND THREE (3) CLAMPS AT EACH CORNER POST.
5. TACK WELD CHAIN LINK FABRIC @ 3 POINTS ALONG EACH FRAME MEMBER.
6. PAINT ALL FIELD WEIDS WITH GALVANIZING COATING.

<u>U.S. STANDARD SIEVE SIZE</u>	<u>PERCENT WEIGHT BY PASSING TYPE I</u>	<u>SQUARE MESH SIEVE TYPE 11</u>
3"	—	90-100
1-1/2"	—	
3/4"	—	20-90
3/8"	—	
#4	95-100	0-20
#16	45-80	—
#50	10-30	—
#100	2-10	—
#200	0-2	0-3

1. RIPRAP SHALL CONSIST OF LOCALLY-OBTAINABLE BASALT SUPPLIED AND INSTALLED IN ACCORDANCE WITH SECTION 603 OF THE STANDARD SPECIFICATIONS. RIPRAP SHALL BE TYPE M PER SECTION 109. ON-SITE ROCK WILL HAVE TO BE SORTED TO MEET GRADATION.



ENGINEER'S RECORD DRAWING CERTIFICATE

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Elmer A. Blalrow, Jr. 11-11-94

ELMER A. BLALROW, JR., P.E. New Mexico Civil Registration No. 12070

Ellery A. Blathrow, Jr. P. E. New Mexico Civil Registration No. 12070

*community
sciences
corporation*

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RICHLAND HILLS- UNIT 1
ENERGY DISSIPATOR PLAN / SECTION
AND DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Gribble</i>	<i>5-5-94</i>	WATER	<i>N/A</i>	
TRANSPORTATION	<i>W/A</i>		WASTE WATER		
HYDROLOGY	<i>R. C. Martin</i>	<i>5-2-94</i>	A.M.A.F.C.A.	<i>John Kelly</i>	<i>5-2-94</i>

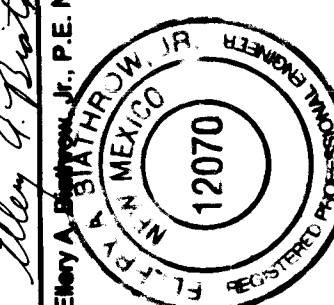
PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	24A	OF	25
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SCANNED BY
BY LASON

22



Alley A. Birtlow Jr 11-11-94



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ENGINEERING SURVEYING
Corrales, N.M. 87048

TITLE: RICHLAND HILLS- UNIT 1
OFFSITE STORM DRAIN
RANCHO SERENO RD. N.W.

PROJECT NO.	4878.90	MAP NO.	C-12	SHEET	25	OF	25
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[illegible]

ERQUE ARTMENT ROUP		
DRAIN RD. N.W.		
ROVALS	ENGINEER	DATE
	N/A RWK	4-1-8
WATER	N/A RWK	4-1-8
F.C.A.	N/Agt	
2	SHEET	25 ^{OF} 25