

RIDGEFIELD NORTH - UNIT 2

CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING AND UTILITIES

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2-3	PLAT OF GEOMETRY
4	GRADING AND EROSION CONTROL PLAN
5	COMPOSITE PAVING PLAN
	<u>PAVING PLAN AND PROFILES</u>
6	MACALLAN ROAD N.E.
7	MACALLAN ROAD, N.E. (CON'T) AND MACNISH DRIVE N.E.
8	PALOMAS AVENUE, N.E.
9	PALOMAS AVENUE N.E. (CON'T)
10	COMPOSITE UTILITY PLAN
	<u>UTILITY PLAN AND PROFILES</u>
11	MACALLAN ROAD N.E.
12	MACALLAN ROAD, N.E. (CON'T) AND MACNISH DRIVE N.E.
13	PALOMAS AVENUE, N.E.
14	PALOMAS AVENUE N.E. (CON'T) AND CUL-DE-SACS
15	VENTURA STREET NE. & 20' ACCESS & WATERLINE EASEMENT

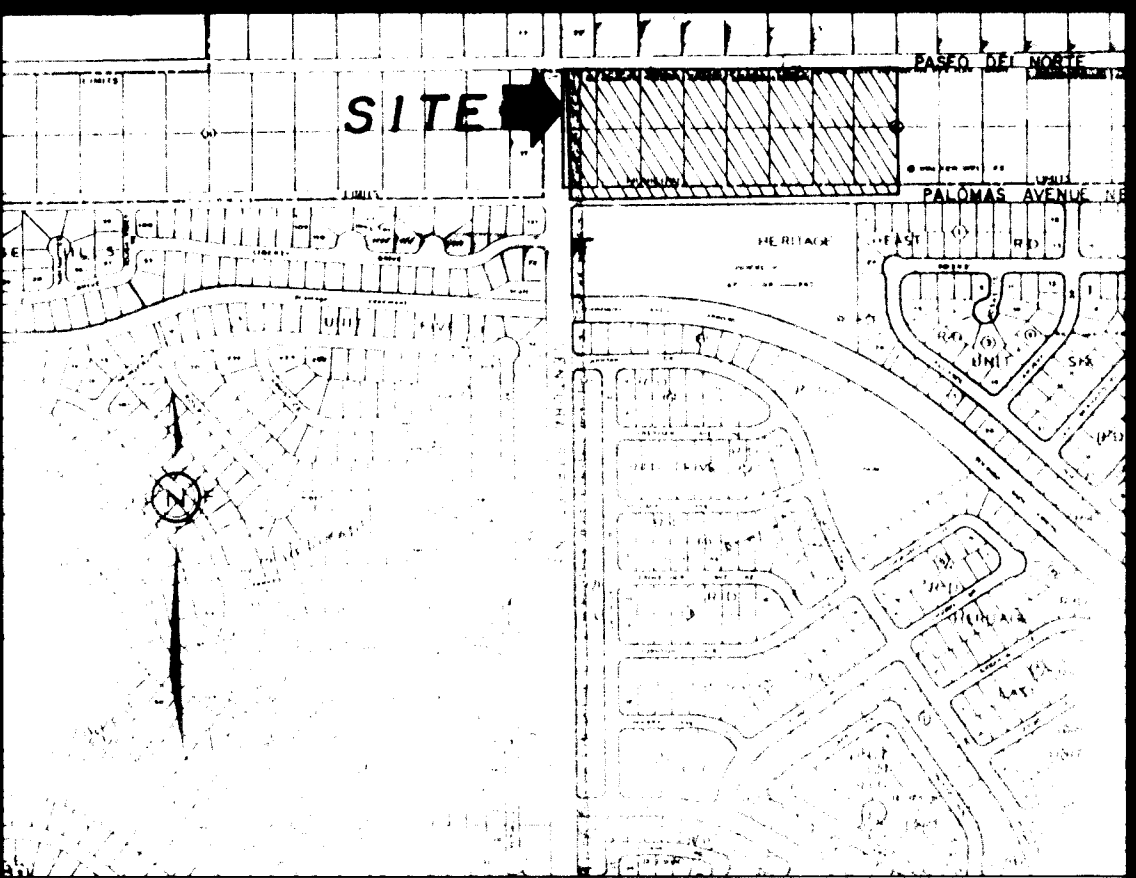
SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the drawings.

Timothy Aldrich, P.S. No. 17118
Date 05-06-94

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.

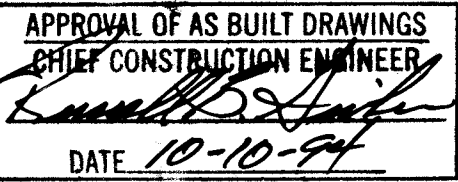
THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN 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.



SCALE: 1" = 750' ± VICINITY MAP D-20-Z

GENERAL NOTES:

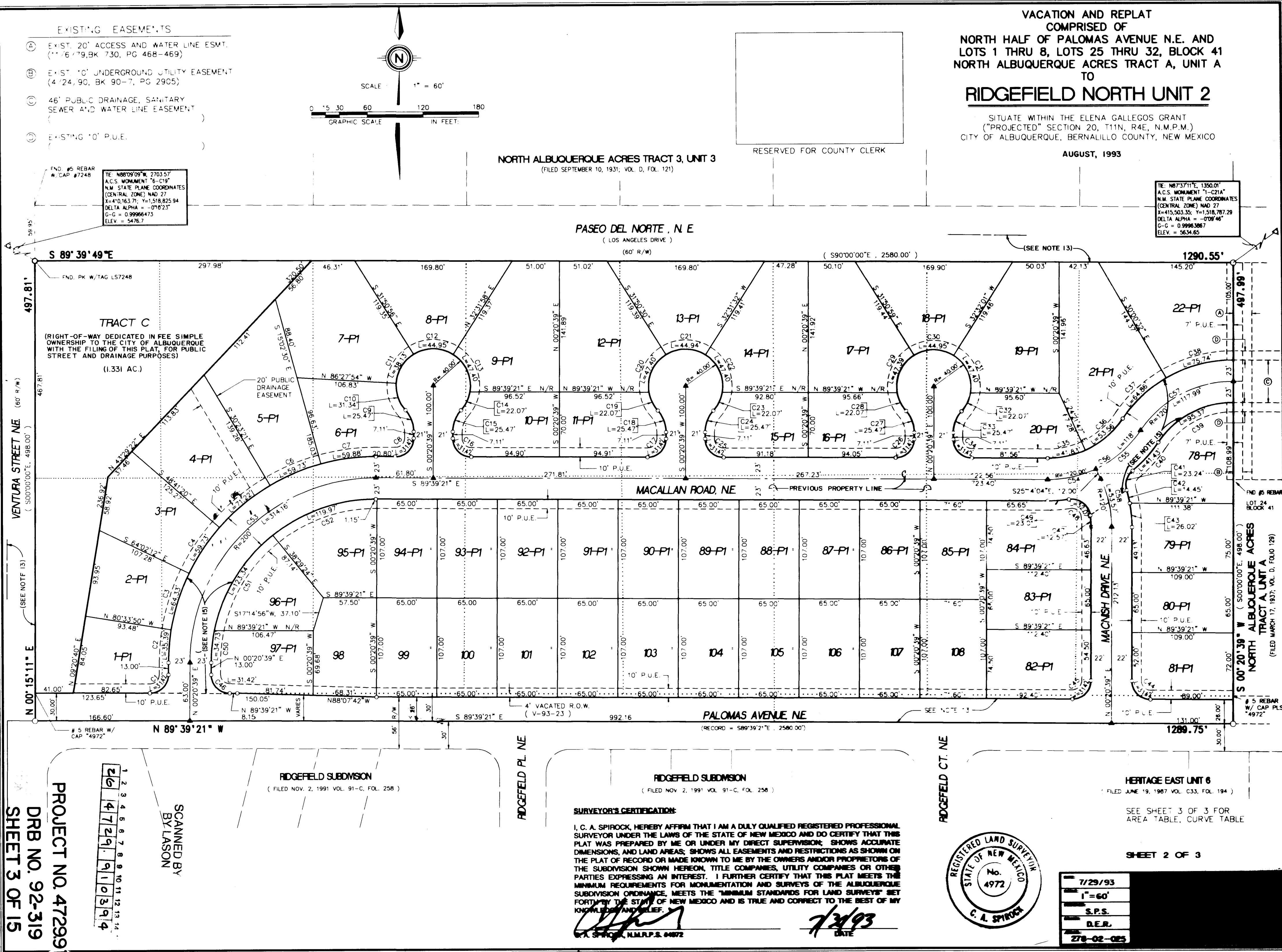
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FROM HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED WITH UPDATE NO. 4.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- THE CONTRACTOR SHALL FURNISH ENDS ON ALL WATER AND SEWER SERVICE STUBS, CAPS AND PLUGS.
- 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 BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. 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 SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- RESTRAINED JOINTS ARE REQUIRED AT ALL WATER LINE BENDS, TEES, CAPS AND GATE VALVES.
- THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS.
- THE CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) THREE (3) WORKING DAYS PRIOR TO NEEDING SHUT-OFF OR TURN-ON OF VALVES. ONLY CITY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVE.
- 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. CONTRACTOR SHALL NOTIFY 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 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.

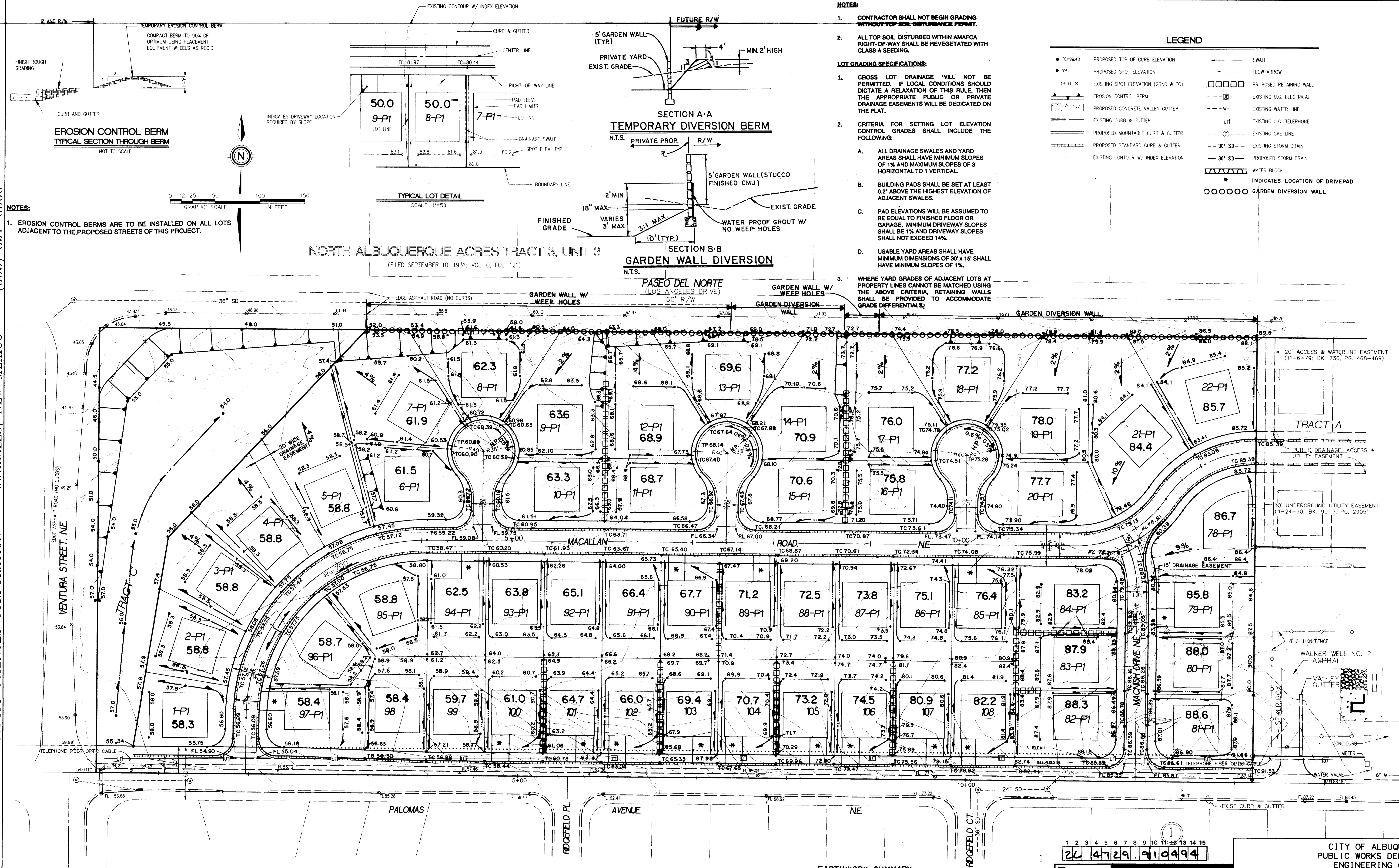


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4729.91 910194

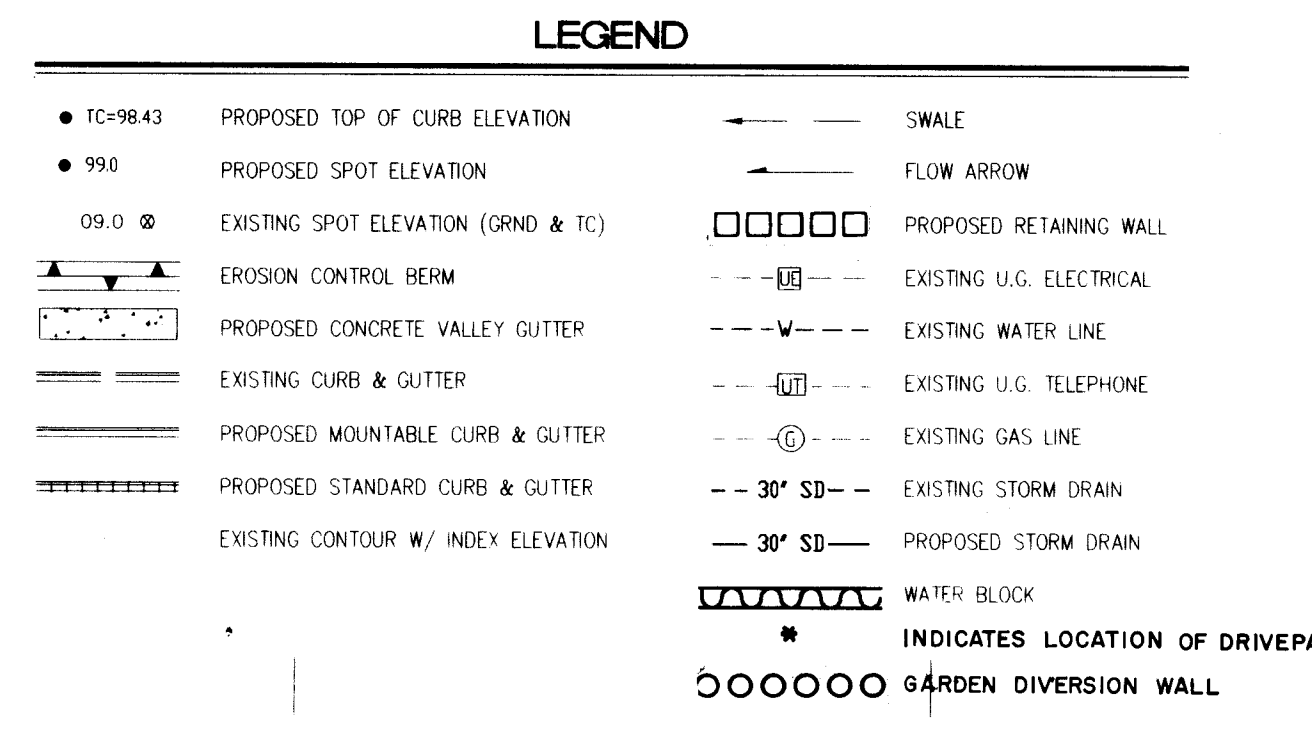
REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE

ENGINEER'S SEAL 	DATE: AUG. 1993	community sciences corporation	APPROVED FOR CONSTRUCTION CITY ENGINEER DATE: 12/17/93
	SCALE: AS SHOWN DESIGNED: B.M. DRAWN: A.M. JOB NO.: 278-02-PRE PROJECT NO.: 4729.91		
SHEET 1 OF 15			





- NOTES:**
- CONTRACTOR SHALL NOT BEGIN GRADING WITHOUT TOP SOIL DISTURBANCE PERMIT.
 - ALL TOP SOIL, DISTURBED WITHIN AMAFCA RIGHT-OF-WAY SHALL BE REVEGETATED WITH CLASS A SEEDING.
- 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 3 HORIZONTAL TO 1 VERTICAL.
 - BUILDING PADS SHALL BE SET AT LEAST 0.2' ABOVE THE HIGHEST ELEVATION OF ADJACENT SWALES.
 - PAD ELEVATIONS WILL BE ASSUMED TO BE EQUAL TO FINISHED FLOOR OR GARAGE. MINIMUM DRIVEWAY SLOPES SHALL BE 1% AND DRIVEWAY SLOPES SHALL NOT EXCEED 14%.
 - USABLE YARD AREAS SHALL HAVE MINIMUM DIMENSIONS OF 30' x 15' SHALL HAVE MINIMUM SLOPES OF 1%.
- WHERE YARD GRADES OF ADJACENT LOTS AT PROPERTY LINES CANNOT BE MATCHED USING THE ABOVE CRITERIA, RETAINING WALLS SHALL BE PROVIDED TO ACCOMMODATE GRADE DIFFERENTIALS.



EARTHWORK SUMMARY

CUT	27,000 CY. IN PLACE
IMPORTED CUT FROM UNIT 1	17,000 CY. IN PLACE
FILL	33,600 CY. IN PLACE
C/F	1.31

DATE: JUNE, 1993
SCALE: 1" = 50'
DESIGNED BY: JDH
CHECKED BY: AM
JOB NO: 252-09-043

APPROVED FOR ROUGH GRADING (± 1 FT.)
DATE: 7-2-93
CITY: HYDROLOGY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIDGEFIELD NORTH SUBDIVISION - UNIT 2
GRADING & EROSION CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. P. S.	12-01-93	WATER	NA	6/2/93
TRANSPORTATION	J. H. S.	11-12-93	WASTE WATER	NA	6/2/93
HYDROLOGY	J. H. S.	11-12-93			

PROJECT NO. 4729.91 MAP NO. D-20 SHEET 4 OF 15

AS BUILT INFORMATION

CONTRACTOR: CCM
DATE: 12/94
INSPECTOR'S: R. P. S.
DATE: 12/94
FILED NAME BY: J. H. S.
DATE: 12/94
VERIFICATION OF PASEO DEL NORTE AVE. (OLD LOS ANGELES DR. AND HOLBROOK ST., N.E.)
DATE: 12/94
DRAWN BY: J. H. S.
DATE: 12/94
ELEVATION = 5634.65 FT.

BENCH MARKS

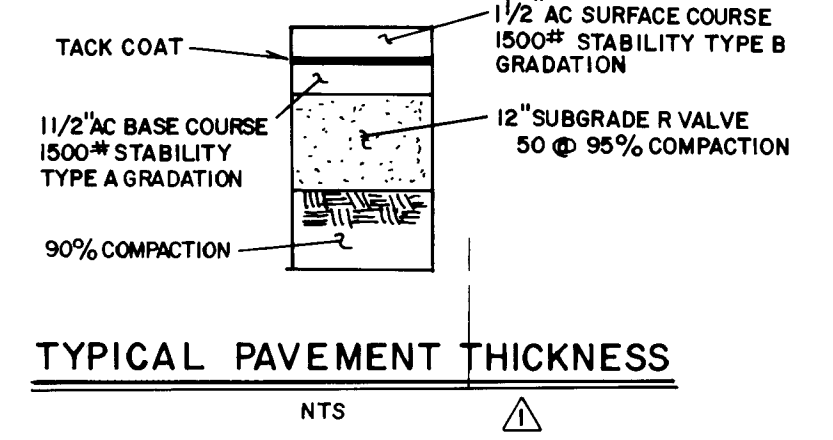
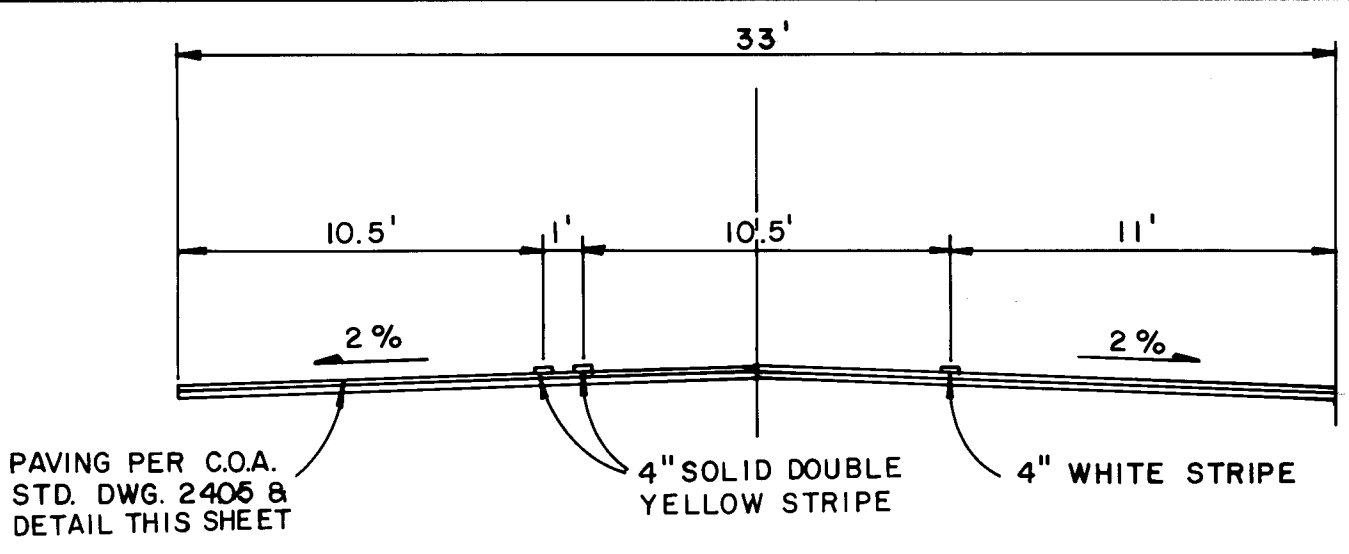
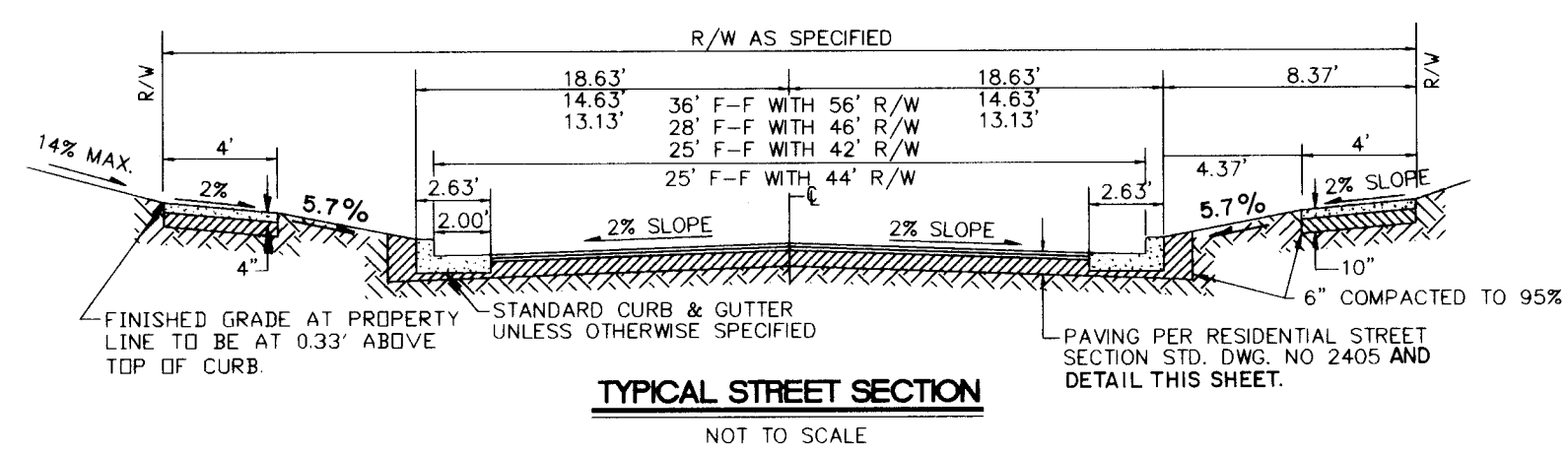
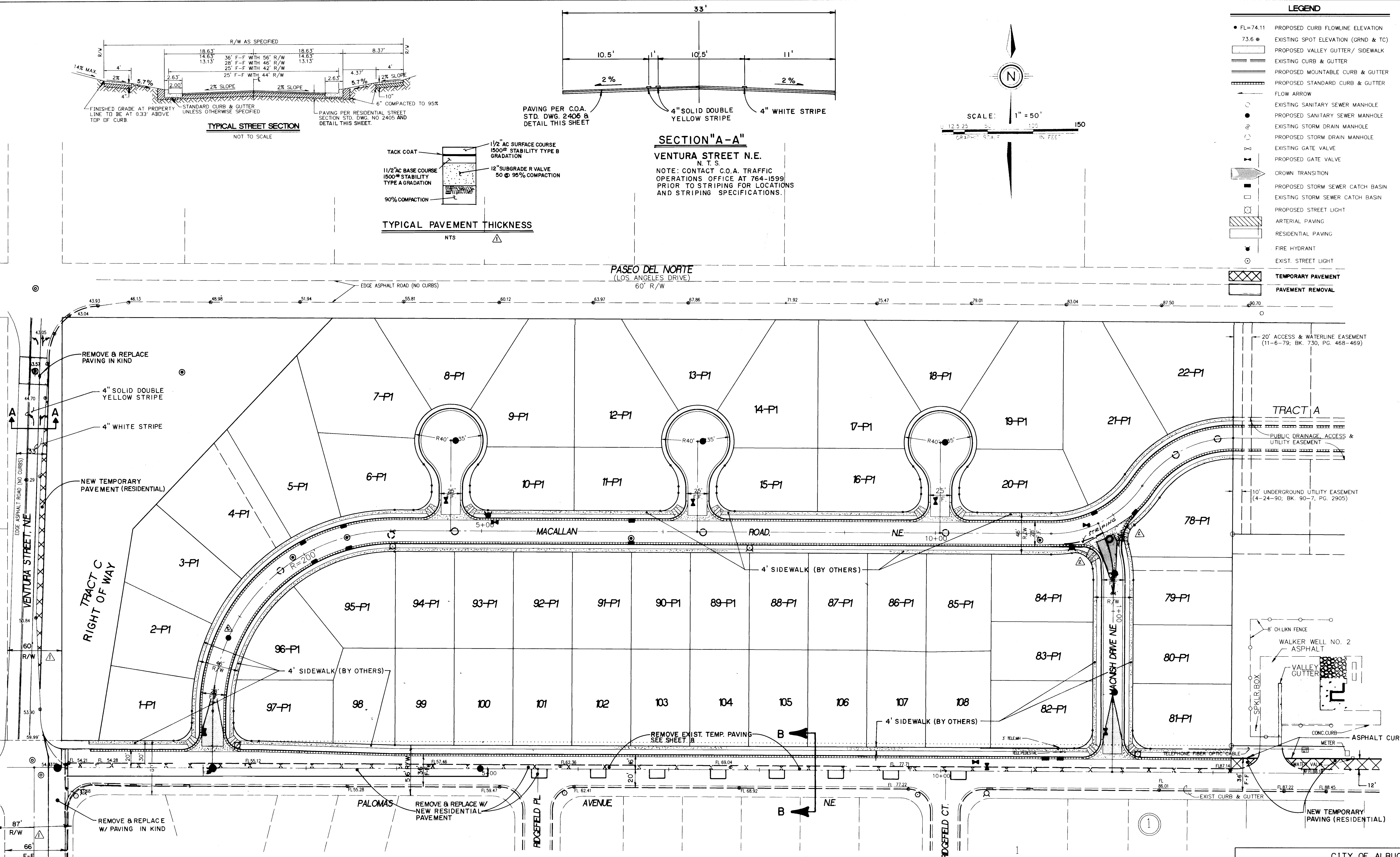
THE STATION IS A STANDARD AS BUILT TABLE STAMPED "1-221A" SET IN A CONCRETE POST FLUSH WITH GROUND. STA. IS LOCATED IN THE NORTH EAST CORNER OF THE INTERSECTION OF PASEO DEL NORTE AVE. (OLD LOS ANGELES DR. AND HOLBROOK ST., N.E.)
ELEVATION = 5634.65 FT.

SURVEY INFORMATION

FIELD NOTES BY: COMMUNITY SCIENCES
DATE: 10/92

ENGINEER'S SEAL

JOH
BY
REMARKS
DESIGN
DATE: MAY, 1993
DATE: MAY, 1993
DATE: SEP, 1993

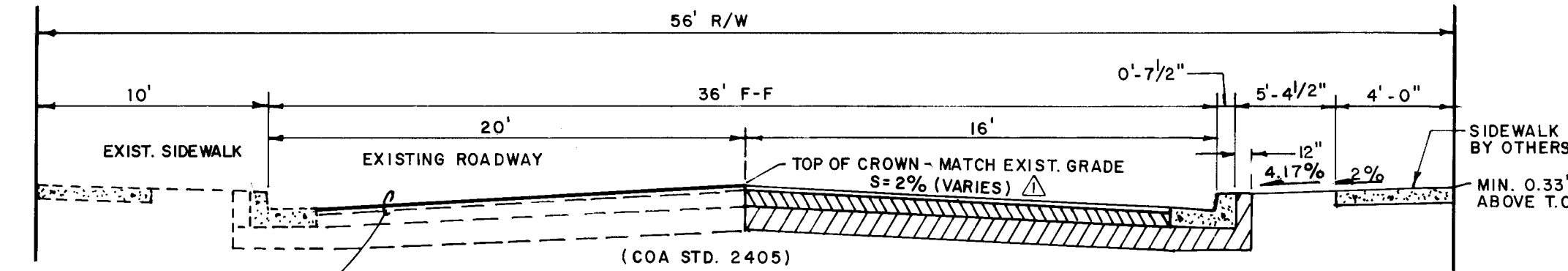


LEGEND	
• FL=74.11	PROPOSED CURB FLOWLINE ELEVATION
73.6	EXISTING SPOT ELEVATION (GRND & TC)
[Symbol]	PROPOSED VALLEY GUTTER / SIDEWALK
[Symbol]	EXISTING CURB & GUTTER
[Symbol]	PROPOSED MOUNTABLE CURB & GUTTER
[Symbol]	PROPOSED STANDARD CURB & GUTTER
[Symbol]	FLOW ARROW
[Symbol]	EXISTING SANITARY SEWER MANHOLE
[Symbol]	PROPOSED SANITARY SEWER MANHOLE
[Symbol]	EXISTING STORM DRAIN MANHOLE
[Symbol]	PROPOSED STORM DRAIN MANHOLE
[Symbol]	EXISTING GATE VALVE
[Symbol]	PROPOSED GATE VALVE
[Symbol]	CROWN TRANSITION
[Symbol]	PROPOSED STORM SEWER CATCH BASIN
[Symbol]	EXISTING STORM SEWER CATCH BASIN
[Symbol]	PROPOSED STREET LIGHT
[Symbol]	ARTERIAL PAVING
[Symbol]	RESIDENTIAL PAVING
[Symbol]	FIRE HYDRANT
[Symbol]	EXIST. STREET LIGHT
[Symbol]	TEMPORARY PAVEMENT
[Symbol]	PAVEMENT REMOVAL

NOTE: CONTACT C.O.A. TRAFFIC OPERATIONS OFFICE AT 764-1599 PRIOR TO STRIPING FOR LOCATIONS AND STRIPING SPECIFICATIONS.

PASEO DEL NORTE
(LOS ANGELES DRIVE)
60' R/W

SECTION B-B
PALOMAS AVE. N.E., N.T.S.

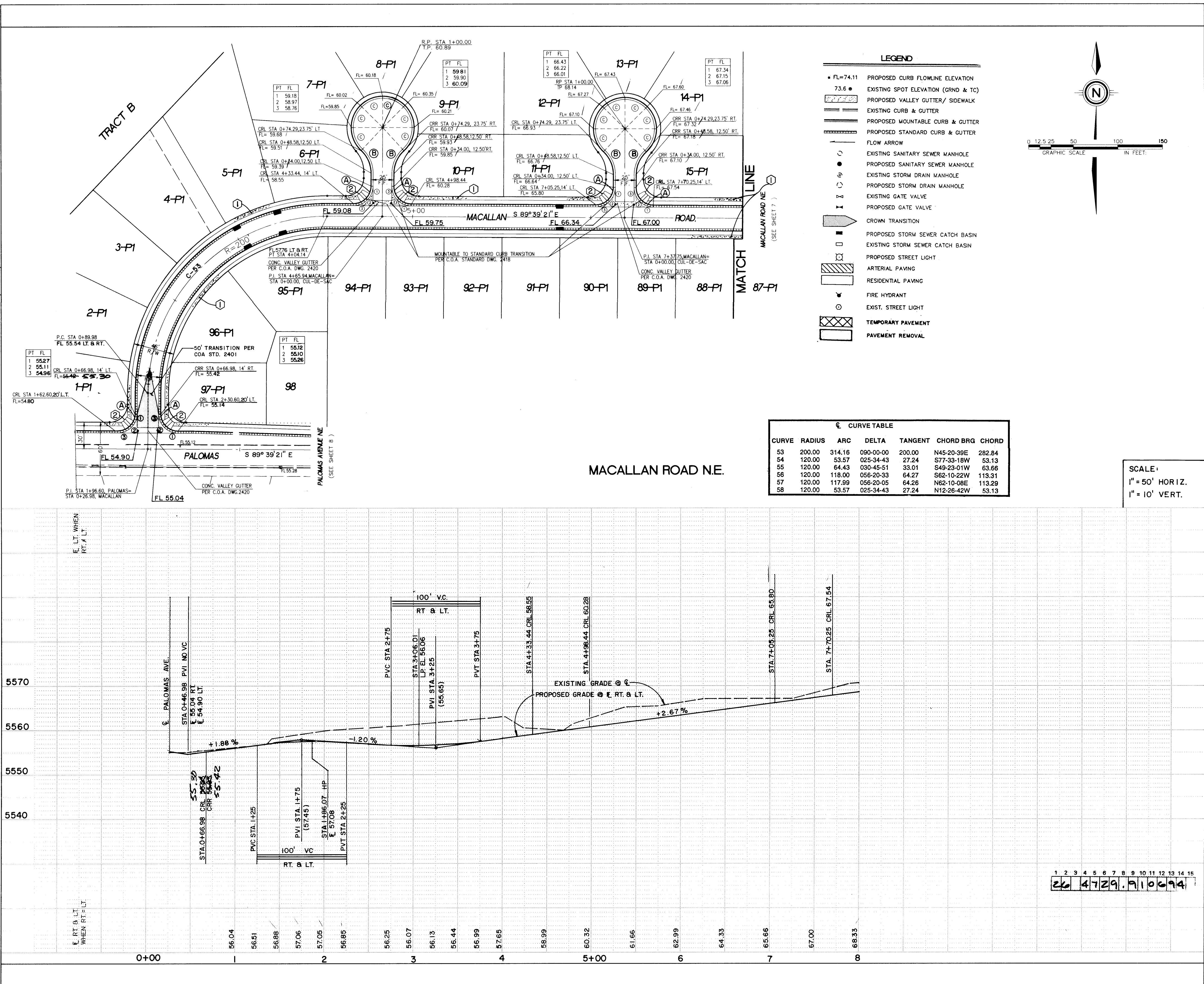


26 4729.910594

DATE	AUG. 1993
SCALE	AS SHOWN
DESIGNED	B.M.
DRAWN	A.M.
CHECKED	278-02-PR

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RIDGEFIELD NORTH - UNIT 2 COMPOSITE PAVING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	NA	12-01-93	WATER	NA	11/23/93
TRANSPORTATION	NA	11/2/93	WASTE WATER	NA	11/2/93
HYDROLOGY	NA	11-12-93			
PROJECT NO.		MAP NO.		SHEET	
4729.91		D-20		5 OF 15	

AS BUILT INFORMATION	
CONTRACTOR	CCM
DATE	9/9/93
BENCH MARKS	
THE STATION IS A STANDARD AS BENCH TABLE STAMPED "1-C21A" SET IN A CONCRETE POST FLUSH WITH GROUND. STA. IS LOCATED IN THE NORTH EAST CORNER OF THE INTERSECTION OF PASEO DEL NORTE N.E. (OLD LOS ANGELES DR.) AND HOLBROOK ST. N.E.	
ELEVATION = 5834.65 FT.	
SURVEY INFORMATION	
FIELD NOTES	DATE
NO. 1	10/92
BY COMMUNITY SCIENCES	
ENGINEER'S SEAL	
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



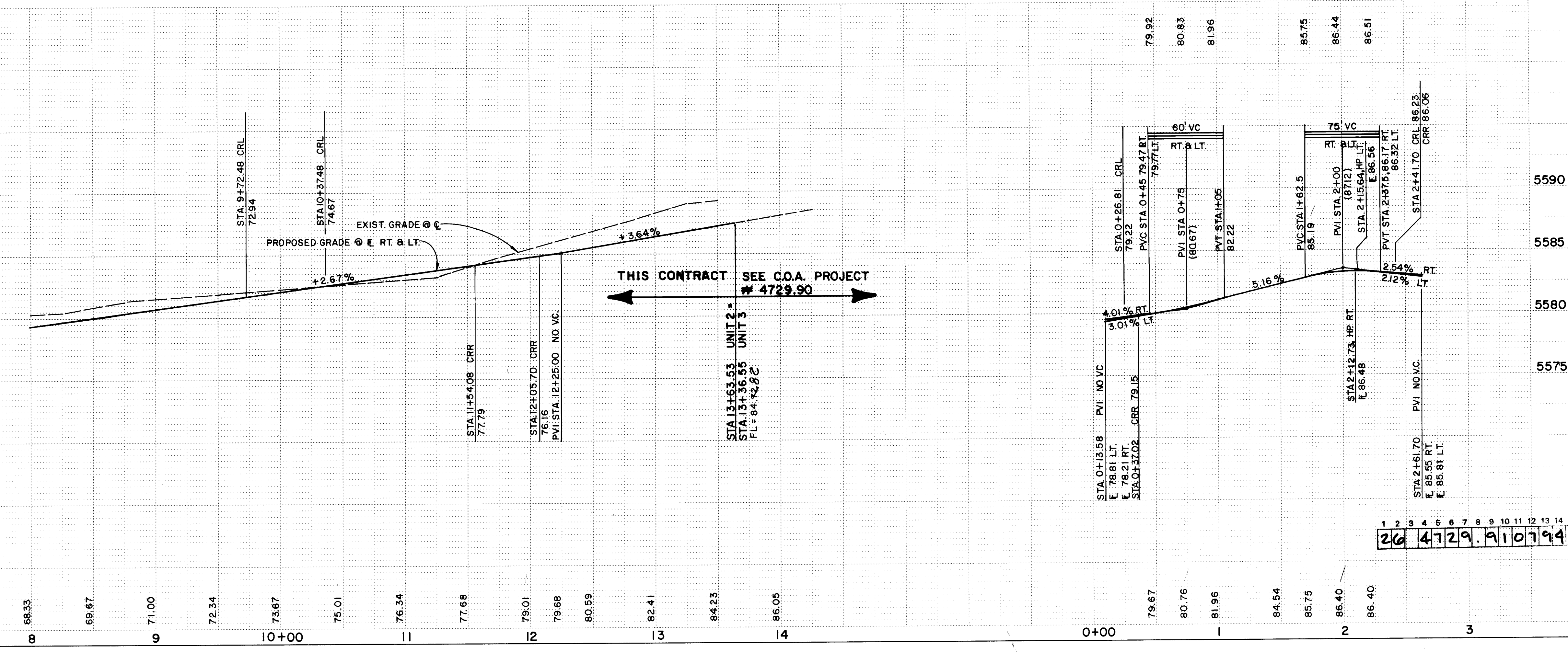
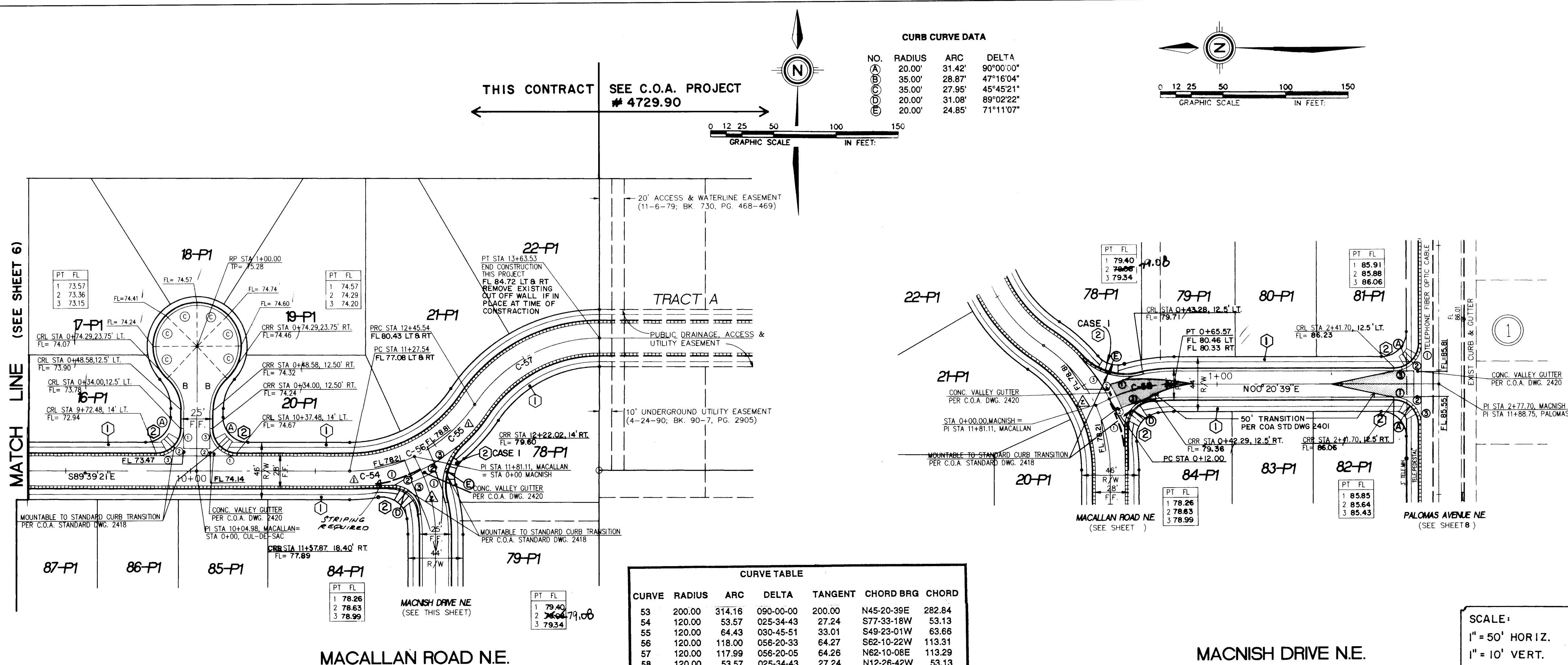
CURB CURVE DATA			
NO.	RADIUS	ARC	DELTA
1	20.00'	31.42'	90°00'00"
2	35.00'	28.87'	47°16'04"
3	35.00'	27.95'	45°45'21"
4	20.00'	31.08'	89°02'22"
5	20.00'	24.85'	71°11'07"

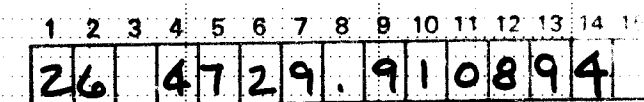
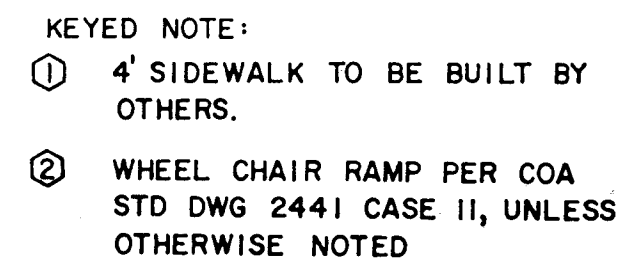
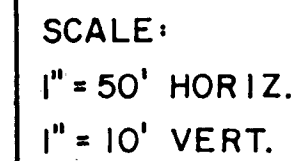
KEYED NOTE:
① 4' SIDEWALK TO BE BUILT BY OTHERS.
② WHEEL CHAIR RAMP PER COA STD DWG 2441 CASE II, UNLESS OTHERWISE NOTED

CURVE TABLE						
CURVE	RADIUS	ARC	DELTA	TANGENT	CHORD BRG	CHORD
53	200.00	314.16	090-00-00	200.00	N45-20-39E	282.84
54	120.00	53.57	025-34-43	27.24	S77-33-18W	53.13
55	120.00	64.43	030-45-51	33.01	S49-23-01W	63.66
56	120.00	118.00	056-20-33	64.27	S62-10-22W	113.31
57	120.00	117.99	056-20-05	64.26	N62-10-08E	113.29
58	120.00	53.57	025-34-43	27.24	N12-26-42W	53.13

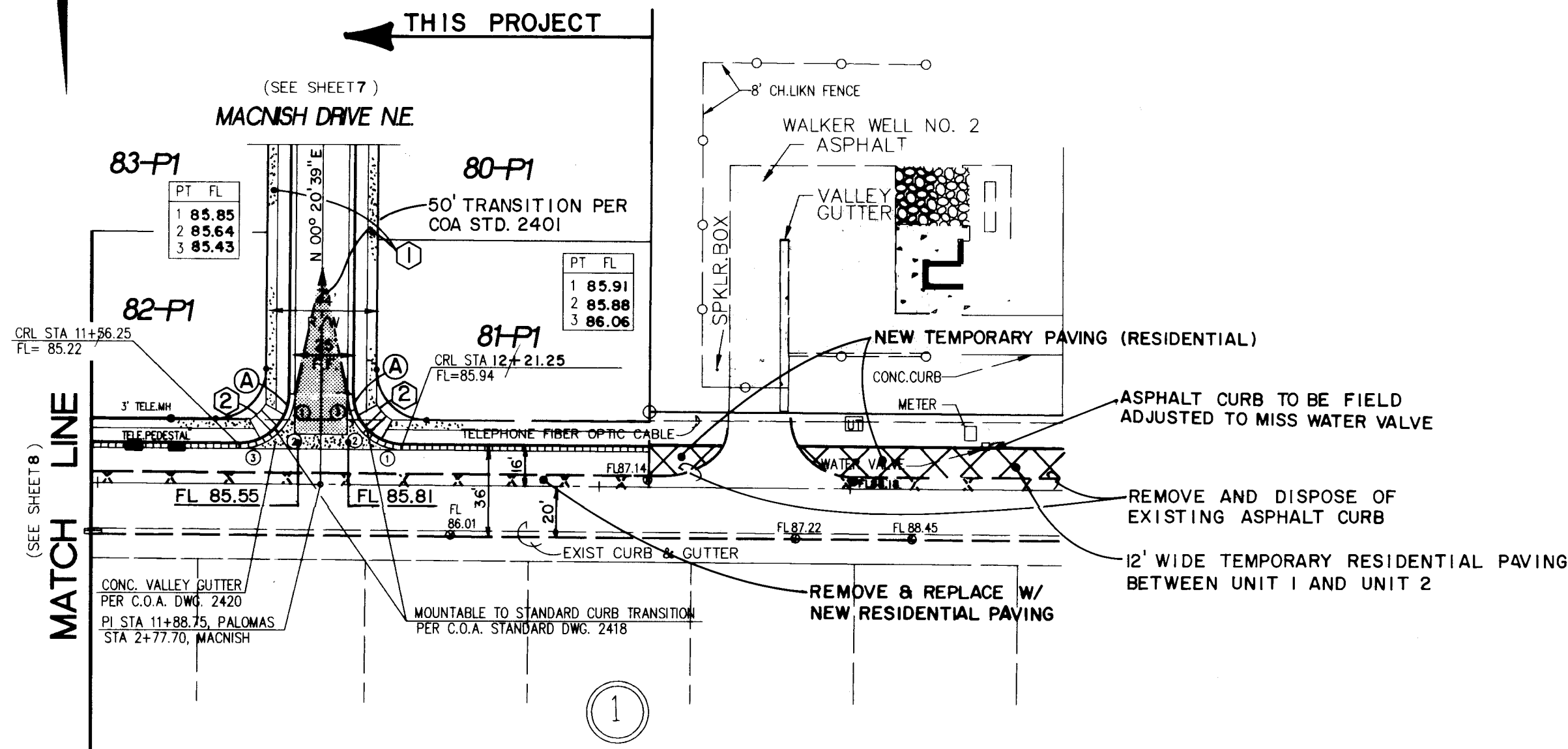
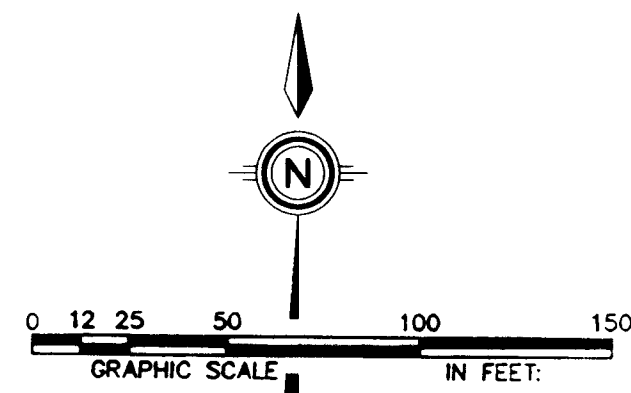
SCALE:
1" = 50' HORIZ.
1" = 10' VERT.

AS BUILT INFORMATION					
CONTRACTOR	CCM	DATE	08/94		
INSPECTOR	ALS	DATE	09/94		
FIELD ENGINEER	ALS	DATE	09/94		
VERIFICATION BY	ALS	DATE	09/94		
CORRECTED BY	ALS	DATE	09/94		
MICRO-FILM INFORMATION					
RECORDED BY		DATE			
NO.					
SURVEY INFORMATION					
THE STATION IS A STANDARD ACS BRASS TABLE STAMPED "1-2214" SET IN A CONCRETE POST FLUSH WITH GROUND. STA. IS LOCATED IN THE NORTH EAST CORNER OF THE INTERSECTION OF PASO DEL NORTE N.E. (OLD LOS ANGELES DR.) AND HARBROOK ST. N.E.	DATE	10/92			
BY	COMMUNITY SCIENCES				
NO.	1				
ENGINEER'S SEAL					
REMARKS	BY	DATE	DESIGN		
REVISIONS	DATE	DATE	DATE		
DESIGNED BY	JL/JND	MAY 1993			
DRAWN BY	SPS/AM	MAY 1993			
CHECKED BY	BM	SEP 1993			
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RIDGEFIELD NORTH - UNIT 2 PAVING PLAN & PROFILE MACALLAN ROAD N.E.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	12-01-93		WATER	11/23/93	
TRANSPORTATION	11/23/93		WASTE WATER		
HYDROLOGY	11-12-93				
PROJECT NO.	4729.91	MAP NO.	D-20	SHEET	6 OF 15



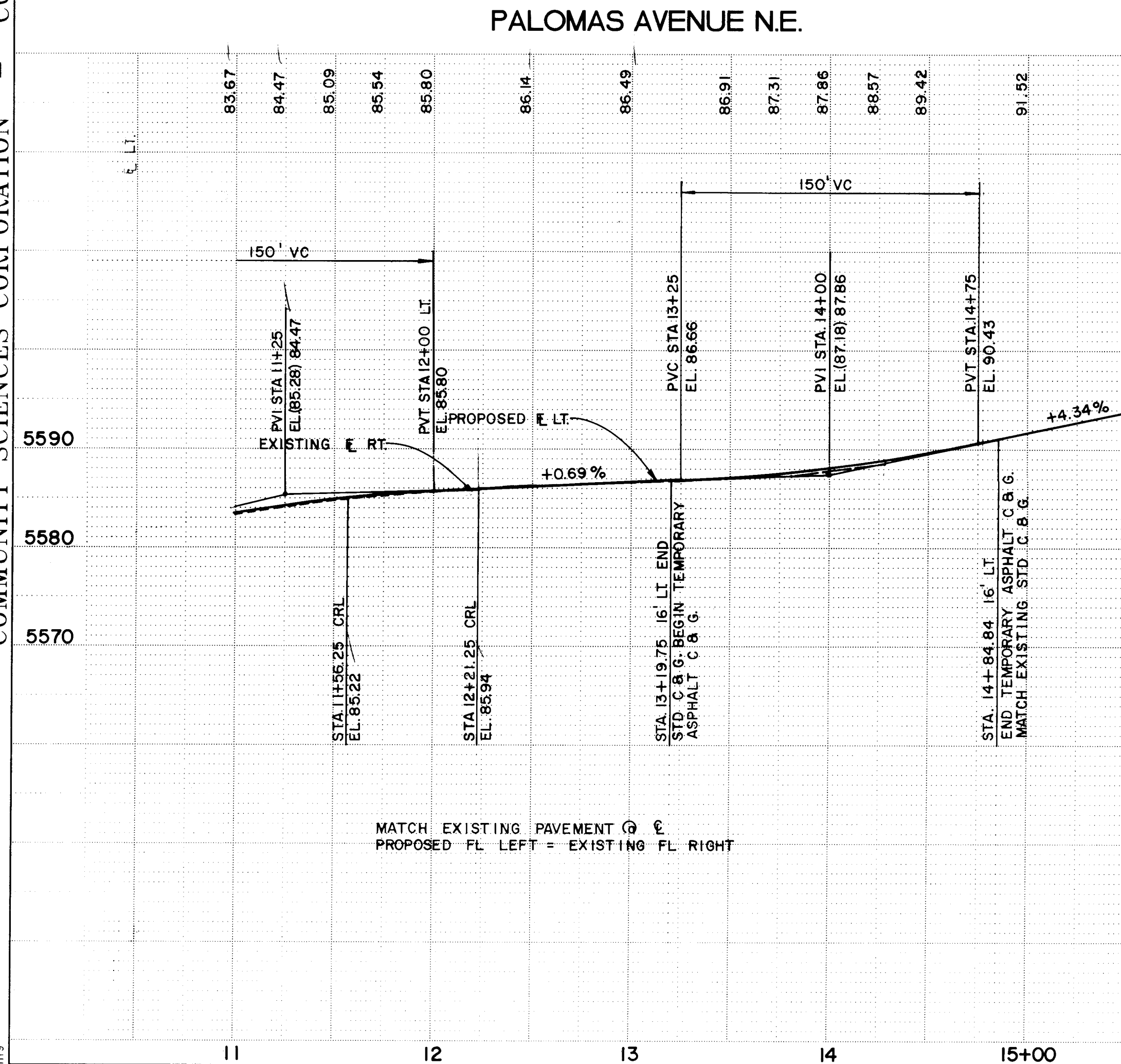


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE : RIDGEFIELD NORTH - UNIT 2 PAVING PLAN & PROFILE PALOMAS AVENUE N.E.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Ag. Doolittle</i>	12-01-93	WATER	<i>NA</i>	11-12-93
TRANSPORTATION	<i>NA Doolittle</i>	11-12-93	WASTE WATER		
HYDROLOGY	<i>NA JPC</i>	11-12-93			
PROJECT NO. 4729.91		MAP NO. D-20	SHEET 8 OF 15		



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 DRAIN MANHOLE
	PROPOSED STORM DRAIN MANHOLE
	EXISTING GATE VALVE
	PROPOSED GATE VALVE
	CROWN TRANSITION
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STREET LIGHT
	ARTERIAL PAVING
	RESIDENTIAL PAVING
	FIRE HYDRANT
	EXIST. STREET LIGHT
	TEMPORARY PAVEMENT
	PAVEMENT REMOVAL

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4729.91 0999

CURB CURVE DATA			
NO.	RADIUS	ARC	DELTA
(A)	20.00'	31.42'	90°00'00"
(B)	35.00'	28.87'	47°16'04"
(C)	35.00'	27.95'	45°45'21"
(D)	20.00'	31.08'	89°02'22"
(E)	20.00'	24.85'	71°11'07"

- KEYED NOTE:
- 4' SIDEWALK TO BE BUILT BY OTHERS.
 - WHEEL CHAIR RAMP PER COA STD DWG 2441 CASE II, UNLESS OTHERWISE NOTED

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		NO.		CONTRACTOR	
		BY DATE		1 10/92		CCM	
REVISIONS		NO.		DATE		DATE	
		1		10/92		10/92	
DESIGN		NO.		DATE		DATE	
		1		10/92		10/92	
DESIGNED BY		J.L./ND		DATE		DATE	
DRAWN BY		SPS/AM		DATE		DATE	
CHECKED BY		BN		DATE		DATE	

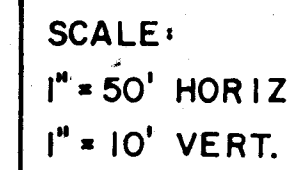
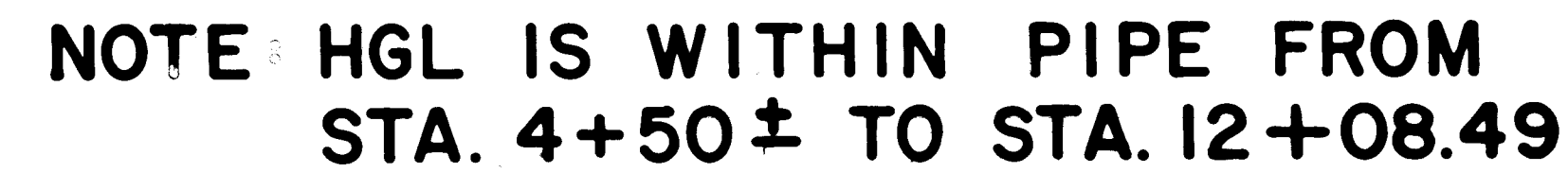
PROJECT NO. 4729.91 MAP NO. D-20 SHEET 9 OF 15

DATE: AUG. 1993
SCALE: AS SHOWN
DESIGNED BY: B.M.
DRAWN BY: A.M.
CHECKED BY: 278-02-PRE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIDGEFIELD NORTH - UNIT 2
PAVING PLAN & PROFILE
PALOMAS AVENUE N.E.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	12-01-93	WATER	NA	11/23/93	
TRANSPORTATION	11-12-93	WASTE WATER			
HYDROLOGY	11-12-93				



LR = LENGTH TO BE RESTRAINED EACH SIDE OF FITTING

NOTES:

1. USE CONCRETE BLOCKING AS PER
STD. DWG. 2333 AND RESTRAINED JOINTS
ON ALL GATE VALVES.

[illegible]

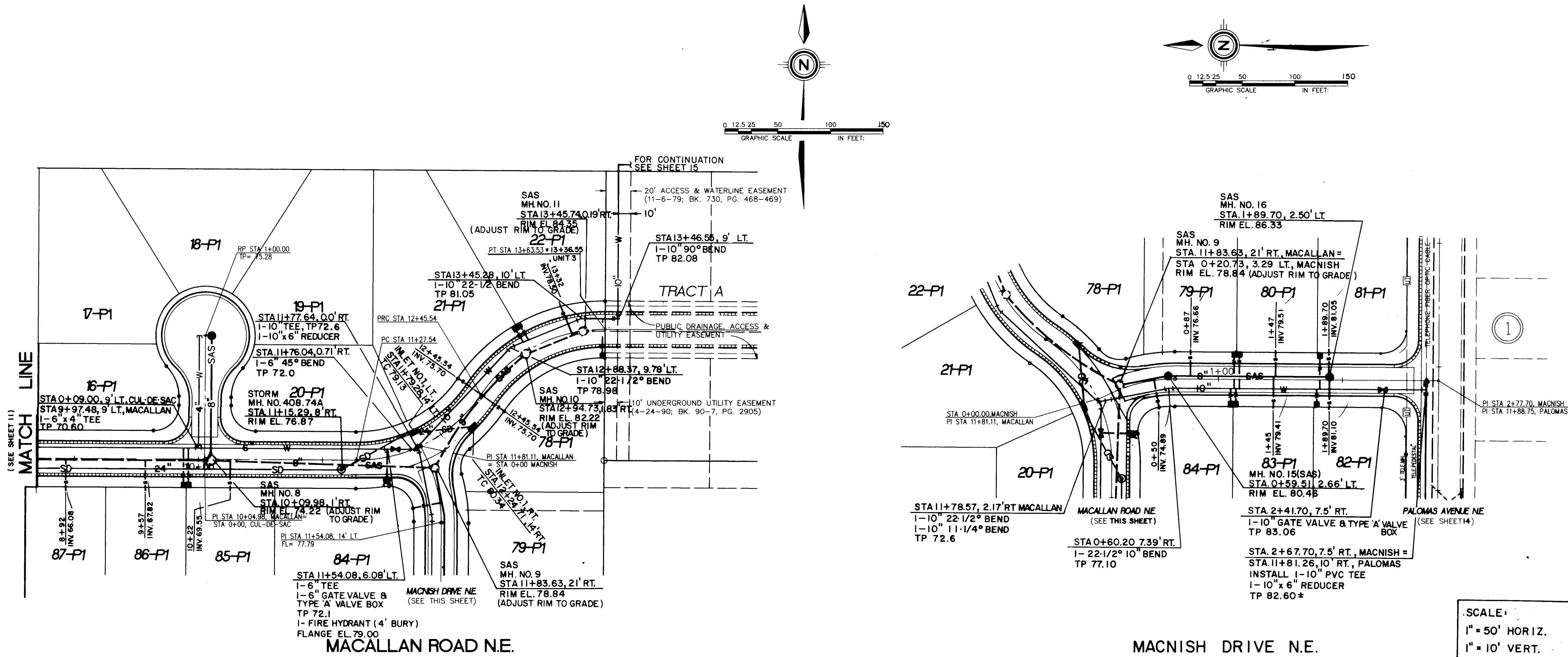
DATE:	AUG. 1993
SCALE:	AS SHOWN
REMARKS:	B.M.
REMARKS:	A.M.
JOB NO.:	278-02-FRE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIDGEFIELD NORTH - UNIT 2
UTILITY PLAN & PROFILE

MACALLAN ROAD							
APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
DRC CHAIRMAN		B. J. Gooding	12-01-93	WATER		G. S. Neenan	12-01-93
TRANSPORTATION		H. J. Gooding	11-12-93	WASTE WATER			
HYDROLOGY		H. J. Gooding	11-12-93				

PROJECT NO.	MAP NO.	SHEET
4729.91	D-20	11 OF 15

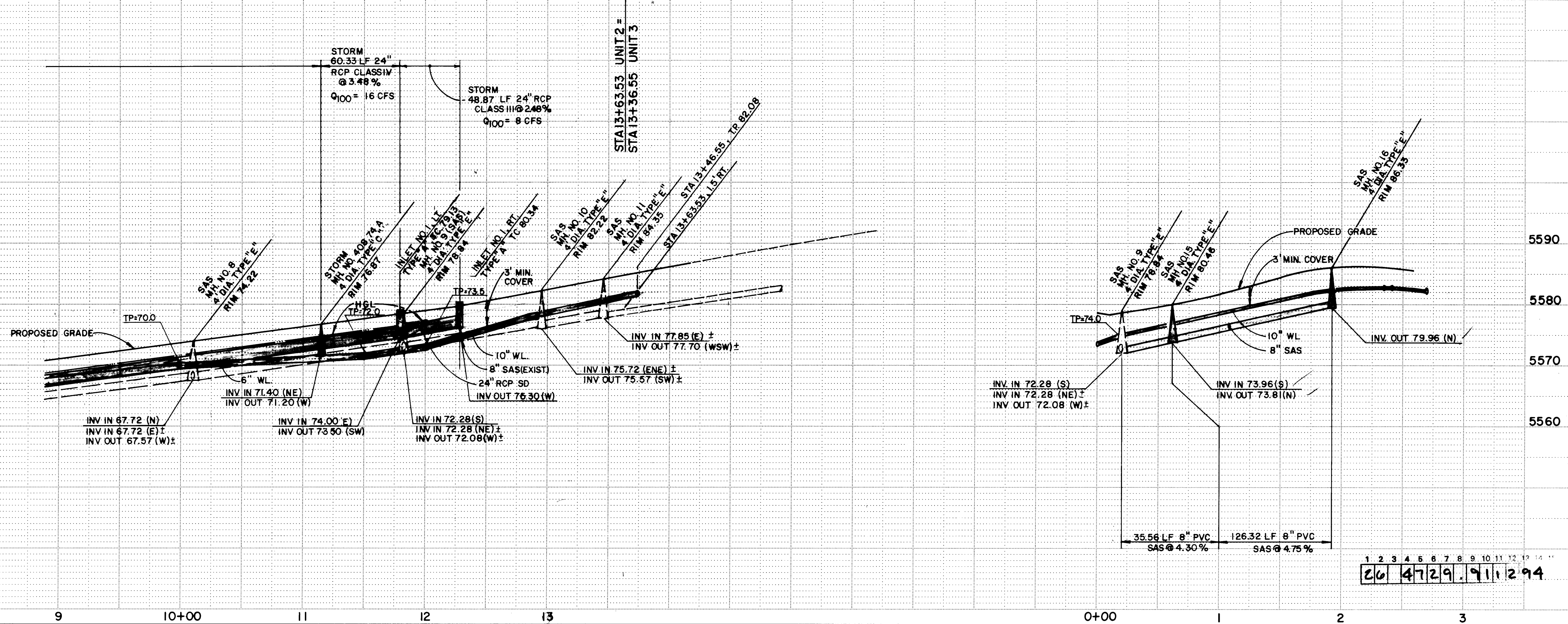


RESTRAINING LENGTHS	
FITTING	LR
6" TEE	11'
6" x 4" TEE	6'
6" x 45° BEND	7'
10" TEE	15'
10" x 6" REDUCER	38'
10" x 11/4" BEND	3'
10" x 22 1/2" BEND	5'
10" x 90° BEND	25'
10" GATE VALVE	57'
6" GATE VALVE	37'

LR = LENGTH TO BE RESTRAINED EACH SIDE OF FITTING

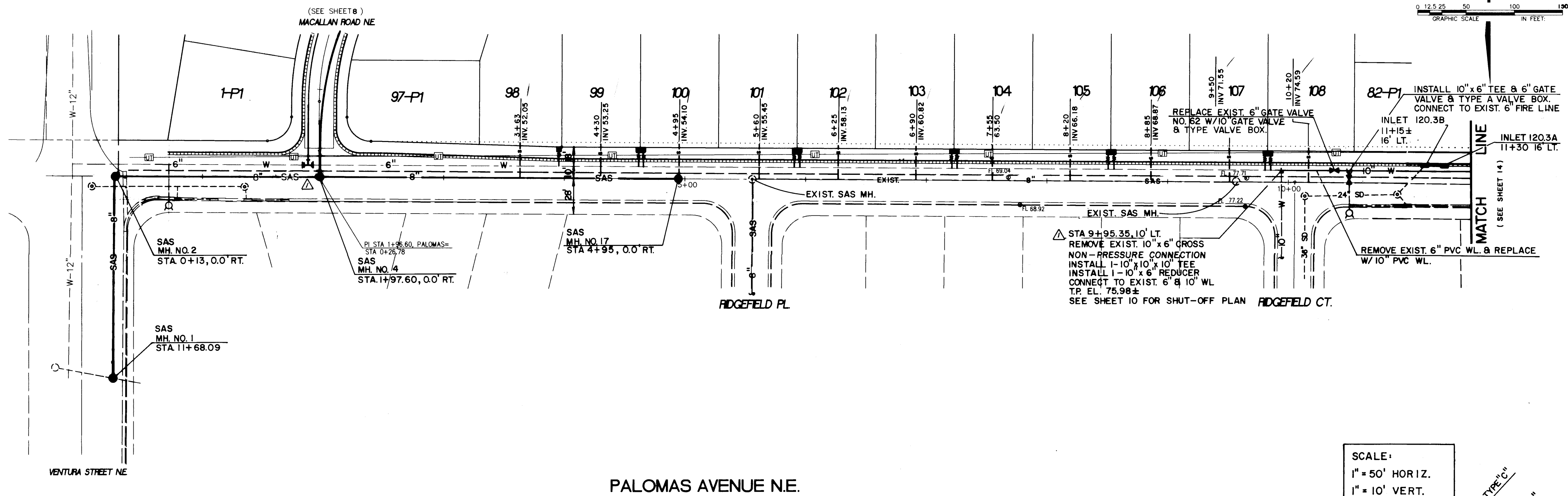
- NOTES:
1. USE BLOCKING PER C.O.A. STD. DWG. 2320 ON ALL CAPS
 2. USE CONCRETE BLOCKING PER C.O.A. STD. DWG. 2333 & RESTRAINED JOINTS ON ALL GATE VALVES.

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

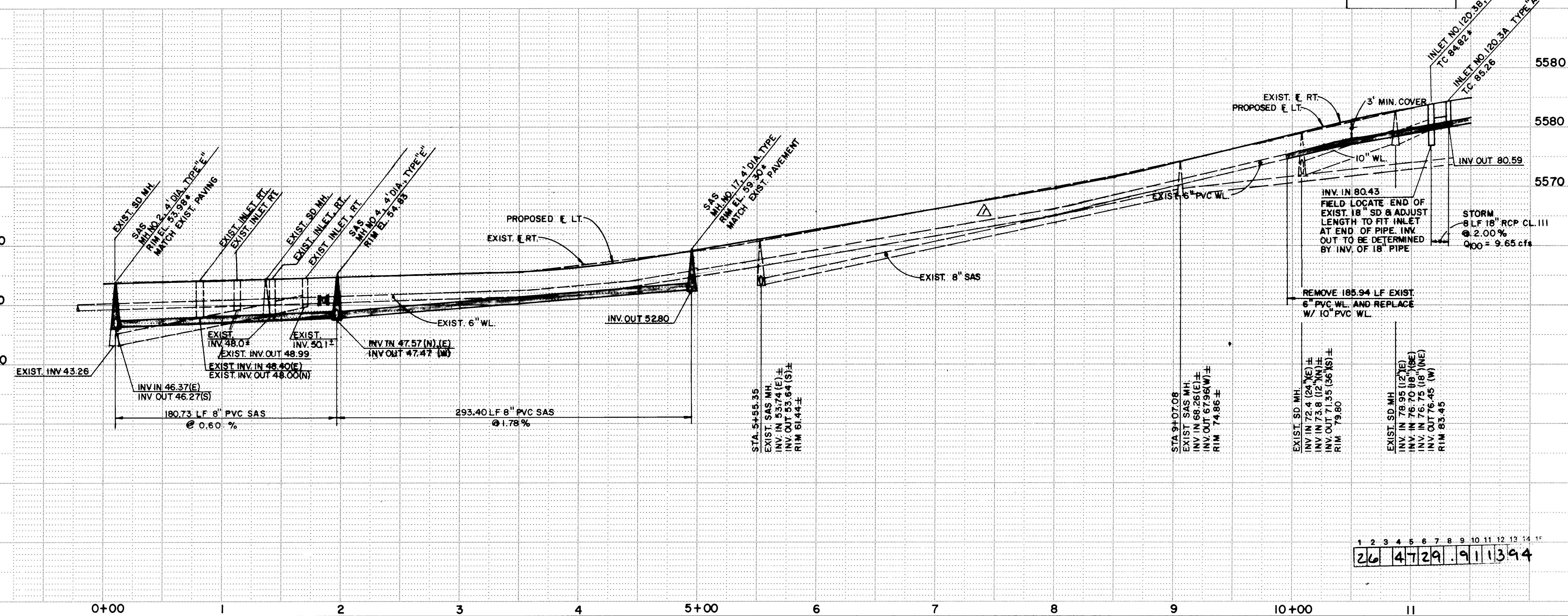


DATE	11/12/93
BY	AS
DATE	11/12/93
BY	AS
DATE	11/12/93
BY	AS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: RIDGEFIELD NORTH - UNIT 2 UTILITY PLAN & PROFILE MACALLAN RD. & MACNISH DR. N.E.	
APPROVALS	ENGINEER
DATE	12-01-93
DR. CHAIRMAN	WATER
TRANSPORTATION	WASTE WATER
HYDROLOGY	11-12-93
PROJECT NO.	4729.91
MAP NO.	D-20
SHEET	12 OF 15



PALOMAS AVENUE N.E.



RESTRAINING LENGTHS	
FITTING	LR
6" TEE	11'
6" x 4" TEE	6'
6" x 45° BEND	4'
10" TEE	9'
10" x 6" REDUCER	5'
10" x 11/4" BEND	5'
10" x 22V2" BEND	25'
10" x 90° BEND	57'
10" GATE VALVE	37'

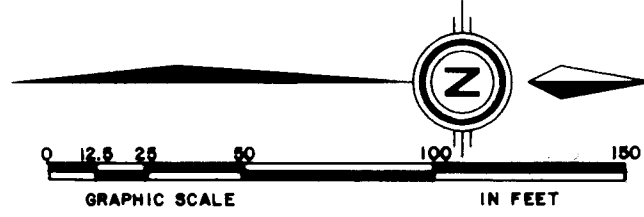
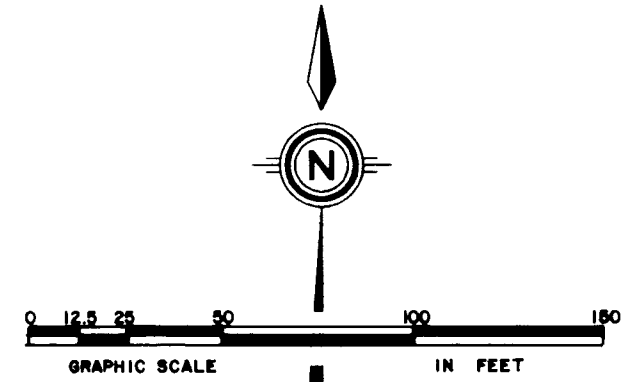
LR = LENGTH TO BE RESTRAINED EACH SIDE OF FITTING

- NOTES:
- USE CONCRETE BLOCKING AS PER COA STD. DWG. 2333 AND RESTRAINED JOINTS ON ALL GATE VALVES.

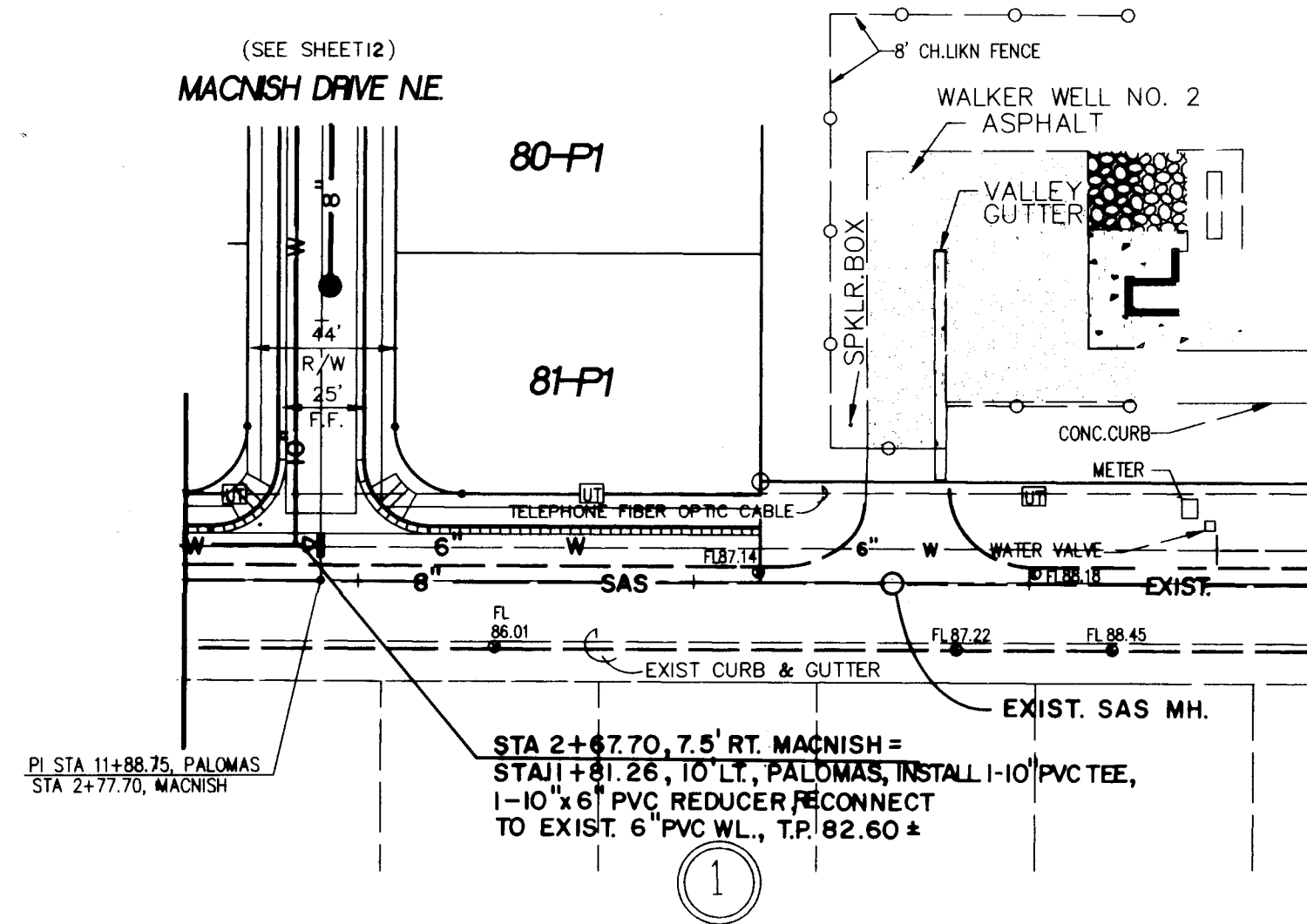
DATE: AUG. 1993
BY: A.M.
27802-SHT 13

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP				
TITLE: RIDGEFIELD NORTH - UNIT 2 UTILITY PLAN & PROFILE PALOMAS AVENUE N.E.				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRC CHAIRMAN	A.M.	12-01-93	WATER	A.M.
TRANSPORTATION	M.H. RHP	11-12-93	WASTE WATER	A.M.
HYDROLOGY	A.M.	11-12-93		
PROJECT NO.	4729.91	MAP NO.	D-20	SHEET 13 OF 15

SCANNED BY
BY LASON

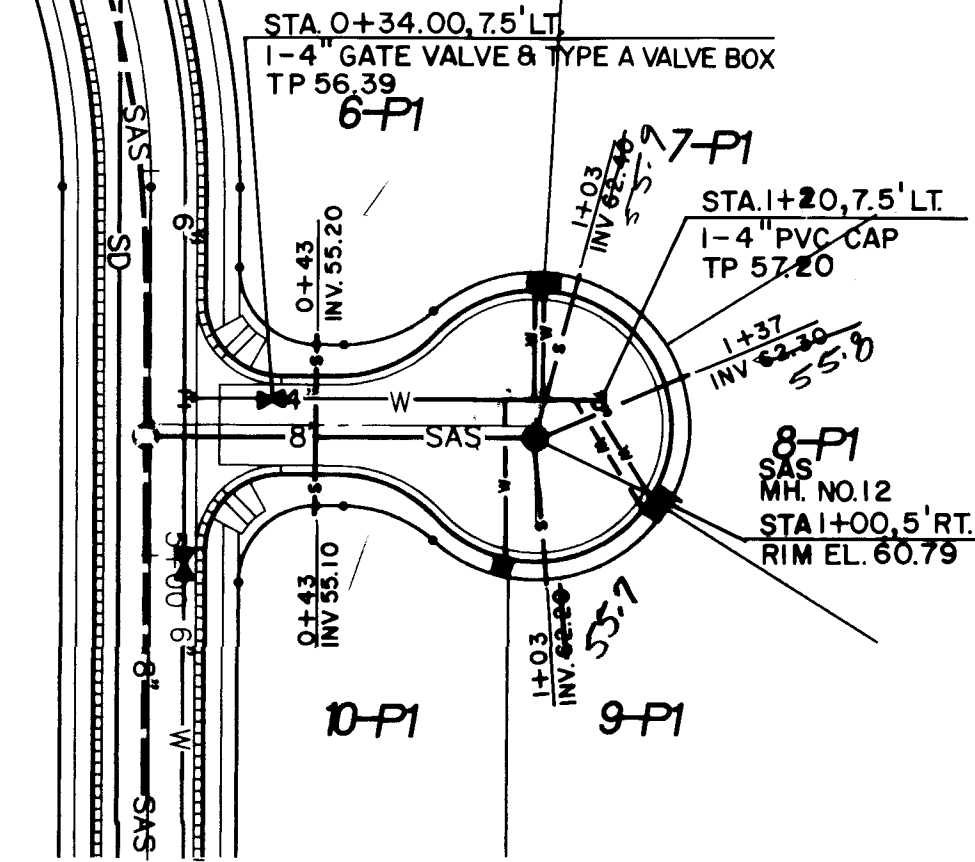


(SEE SHEET 12)
MACNISH DRIVE NE



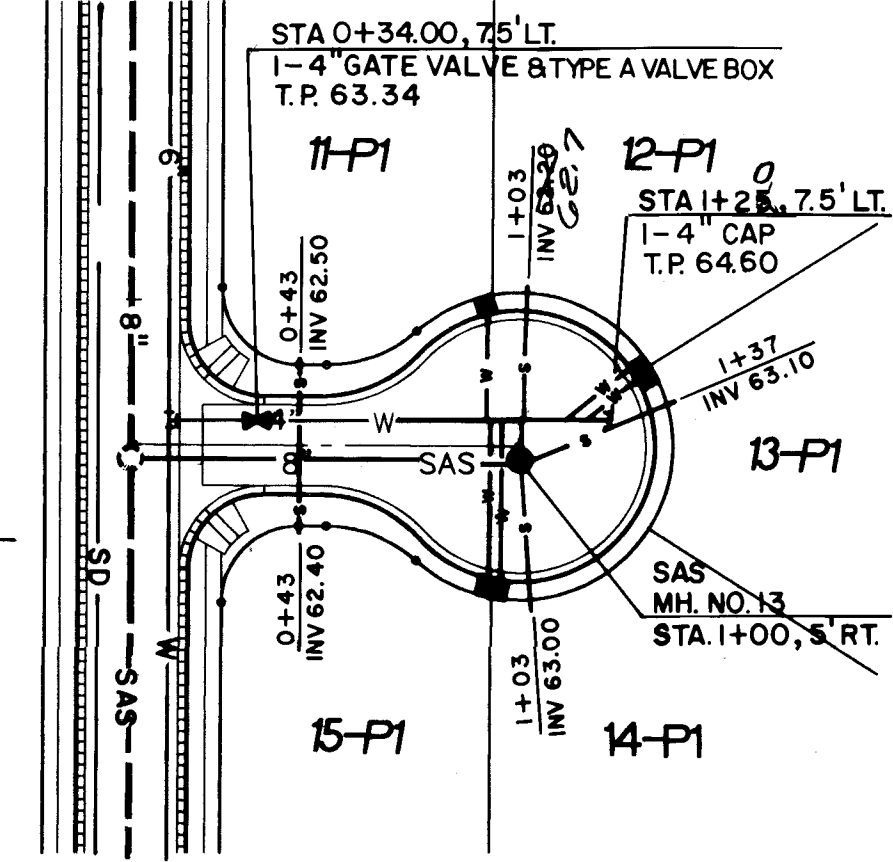
PALOMAS AVENUE N.E.

(SEE SHEET 11)
MACALLAN RD. NE



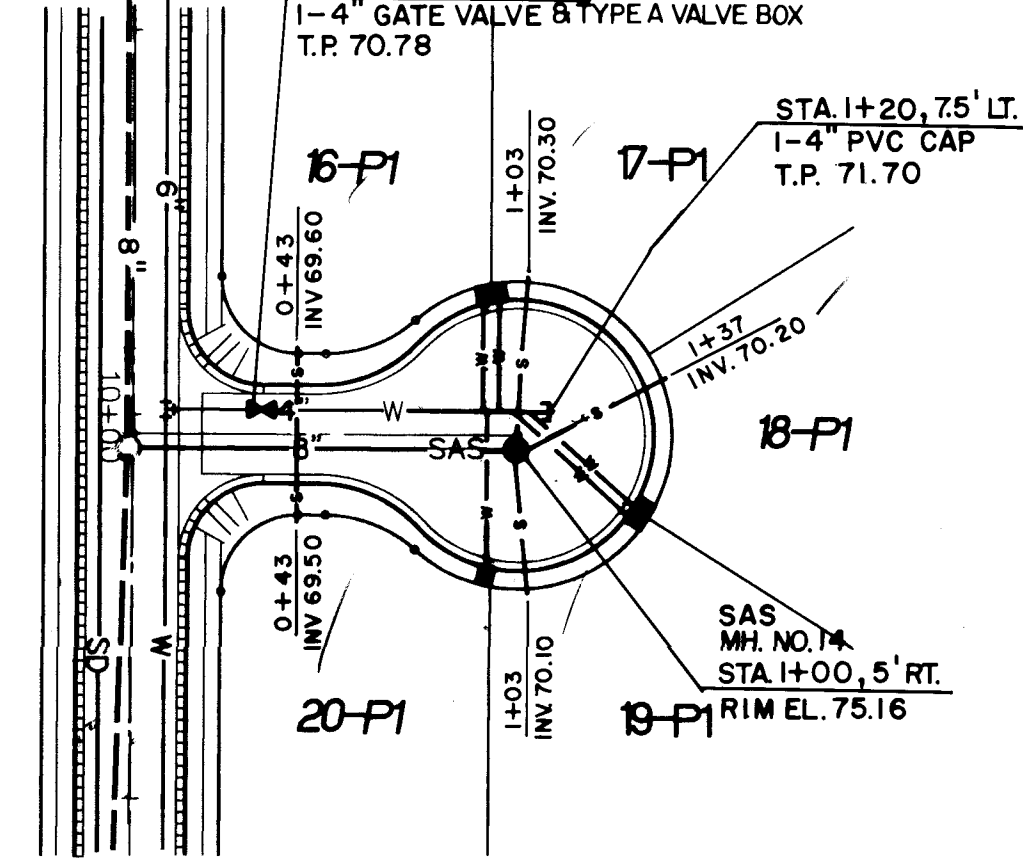
WEST CUL-DE-SAC

(SEE SHEET 11)
MACALLAN RD. NE



MIDDLE CUL-DE-SAC

(SEE SHEET 12)
MACALLAN RD. NE



EAST CUL-DE-SAC

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

RESTRAINING LENGTHS	
FITTING	L.R.
6" TEE	1'1"
6" x 4" TEE	1'1"
6" x 4.5" BEND	1'1"
10" TEE	1'1"
10" x 6" REDUCER	1'1"
10" x 11/4" BEND	1'1"
10" x 22/2" BEND	1'1"
10" x 90° BEND	2'5"
10" GATE VALVE	5'7"
6" GATE VALVE	3'7"

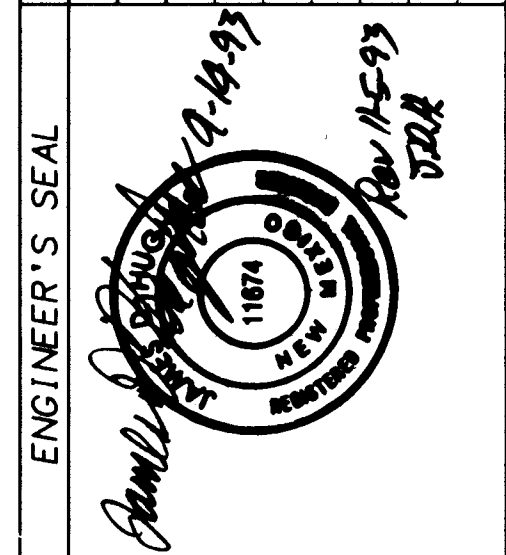
L.R. = LENGTH TO BE RESTRAINED EACH SIDE OF FITTING

- NOTES:
1. USE BLOCKING PER C.O.A. STD. DWG. 2320 ON ALL CAPS
 2. USE CONCRETE BLOCKING PER C.O.A. STD. DWG. 2333 ON ALL GATE VALVES AND RESTRAINED JOINTS.
 3. INSTALL 4" CAP AS CLOSE TO LAST SERVICE TAP AS POSSIBLE.

AS BUILT INFORMATION	
CONTRACTOR	CCM
DATE	9/24/93
STATE BY	ALS
DATE	9/24/93
FIELD	ALS
DATE	9/24/93
APPROVED BY	ALS
DATE	9/24/93
RECORDED BY	ALS
DATE	9/24/93
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

BENCH MARKS	
THE STATION IS A STANDARD 4" X 4" BRASS TABLET SET IN A CONCRETE POST FLUSH WITH GROUND. STA. IS LOCATED IN THE NORTH EAST CORNER OF THE INTERSECTION OF PALOMAS AVE. (OLD LOS ANGELES DR.) AND HOLBROOK ST. N.E. ELEVATION = 5634.65 FT.	

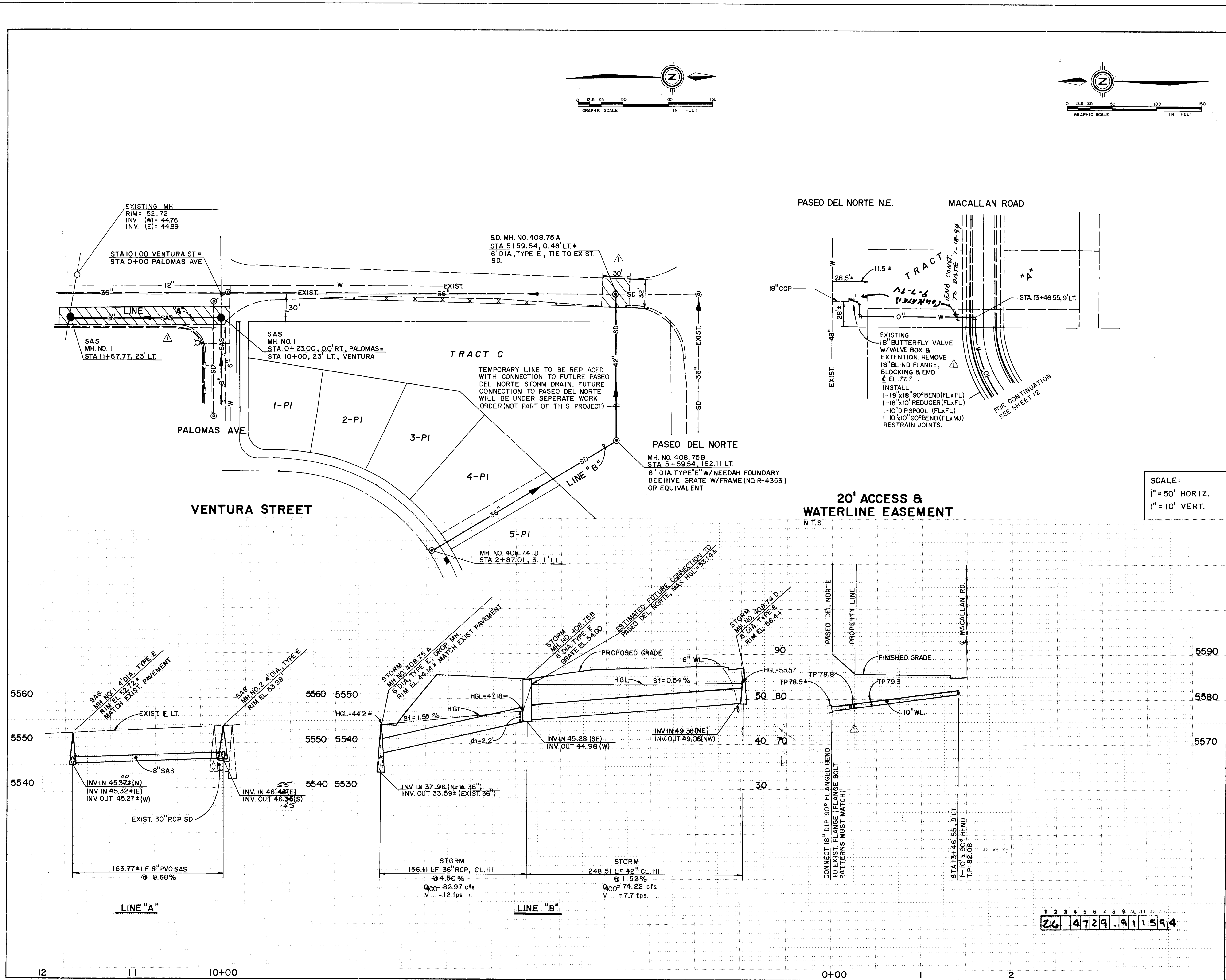
SURVEY INFORMATION	
FIELD NOTES	
NO.	1
DATE	10/92
BY	COMMUNITY SCIENCES



REVISIONS	
NO.	DATE
1	10/20/93
DESIGNED BY: J.L./JND	
DRAWN BY: SPS/AM	
CHECKED BY: B.M.	
DATE: SEPT 1993	
DATE: SEPT 1993	

DATE: AUG. 1993.
SCALE: AS SHOWN
BY: B.M.
278-02-PRE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RIDGEFIELD NORTH - UNIT 2 UTILITY PLAN & PROFILE PALOMAS AVENUE N.E./CUL-DE-SACS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	12-01-93	12-01-93	WATER	12-01-93	12-01-93
TRANSPORTATION	11-12-93	11-12-93	WASTE WATER	11-12-93	11-12-93
HYDROLOGY	11-12-93	11-12-93			
PROJECT NO.	4729.91	MAP NO.	D-20	SHEET	14 OF 15



RESTRAINING LENGTHS	
FITTING	LR
6" TEE	11'
6" x 4" TEE	6'
6" x 45° BEND	7'
10" TEE	19'
10" x 6" REDUCER	38'
10" x 11/4" BEND	3'
10" x 22 1/2° BEND	5'
10" x 90° BEND	25'
10" GATE VALVE	37'
6" GATE VALVE	37'

LR = LENGTH TO BE RESTRAINED EACH SIDE OF FITTING
NOTE: USE BLOCKING PER CQA STD. DWG. 2320 ON ALL CAPS

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	CCM	THE STATION IS A STANDARD ACS BRASS TARGET STAMPED "1-21A" SET IN A CONCRETE POST FLUSH WITH GROUND. STA. 13 IS LOCATED IN THE NORTH EAST 1/4 OF THE INTERSECTION OF PASEO DEL NORTE N.E. (OLD LOS ANGELES DR.) AND HOLBROOK ST. N.E. ELEVATION = 9834.65 FT.		DATE	NO.	11/19/93	11/19/93	NO.	DATE	DESIGNED BY	DATE
WORK ORDER NO.	11/19/93			BY				REMARKS		B.M.	SEPT. 1993
INSPECTOR'S	11/19/93							DESIGN		AM	SEPT. 1993
ACCEPTANCE BY	11/19/93									B.M.	SEPT. 1993
DATE	11/19/93										
VERIFICATION BY	11/19/93										
DATE	11/19/93										
DRAWN BY	11/19/93										
DATE	11/19/93										
RECORDED BY											
DATE											
NO.											

DATE: AUG. 1993

AS SHOWN

DESIGNED: B.M.

DRAWN: A.M.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: OGEFIELD NORTH - UNIT 2
UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Smith	12-01-93	WATER	G. Smith	11/23/93
TRANSPORTATION	W.H. RHO	11/23/93	WASTE WATER		
HYDROLOGY	11-12-93				

PROJECT NO. 4729.91

MAP NO. D-20

SHEET 15 OF 15

SCANNED BY LASON