

PARADISE MEADOWS SUBDIVISION - UNIT 2

CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING AND UTILITIES

N.M.U.I. 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.

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 THEREON AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. 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.

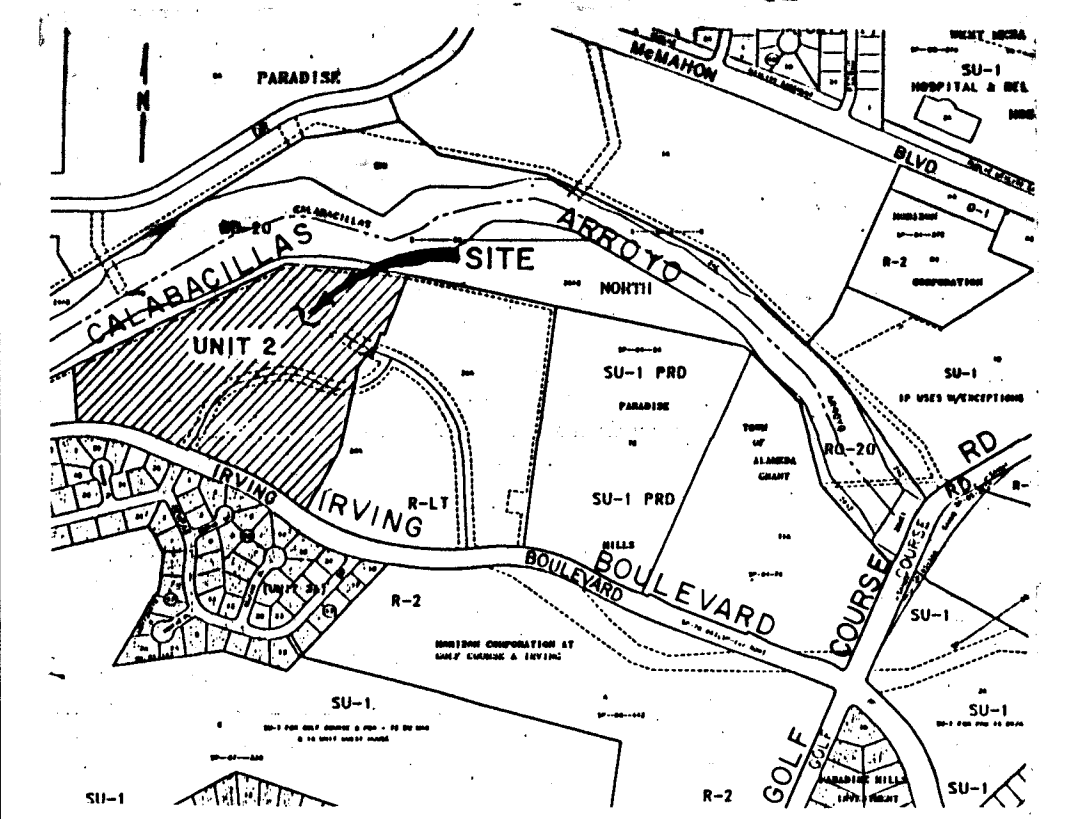
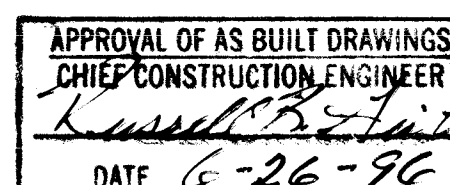
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4-5	GRADING AND EROSION CONTROL PLANS
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SURVEYOR'S CERTIFICATION

"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, Inc., is not responsible for any of the design concepts, calculations, engineering and/or content of the record drawings.

Timothy Aldrich 01-26-96
Timothy Aldrich Date



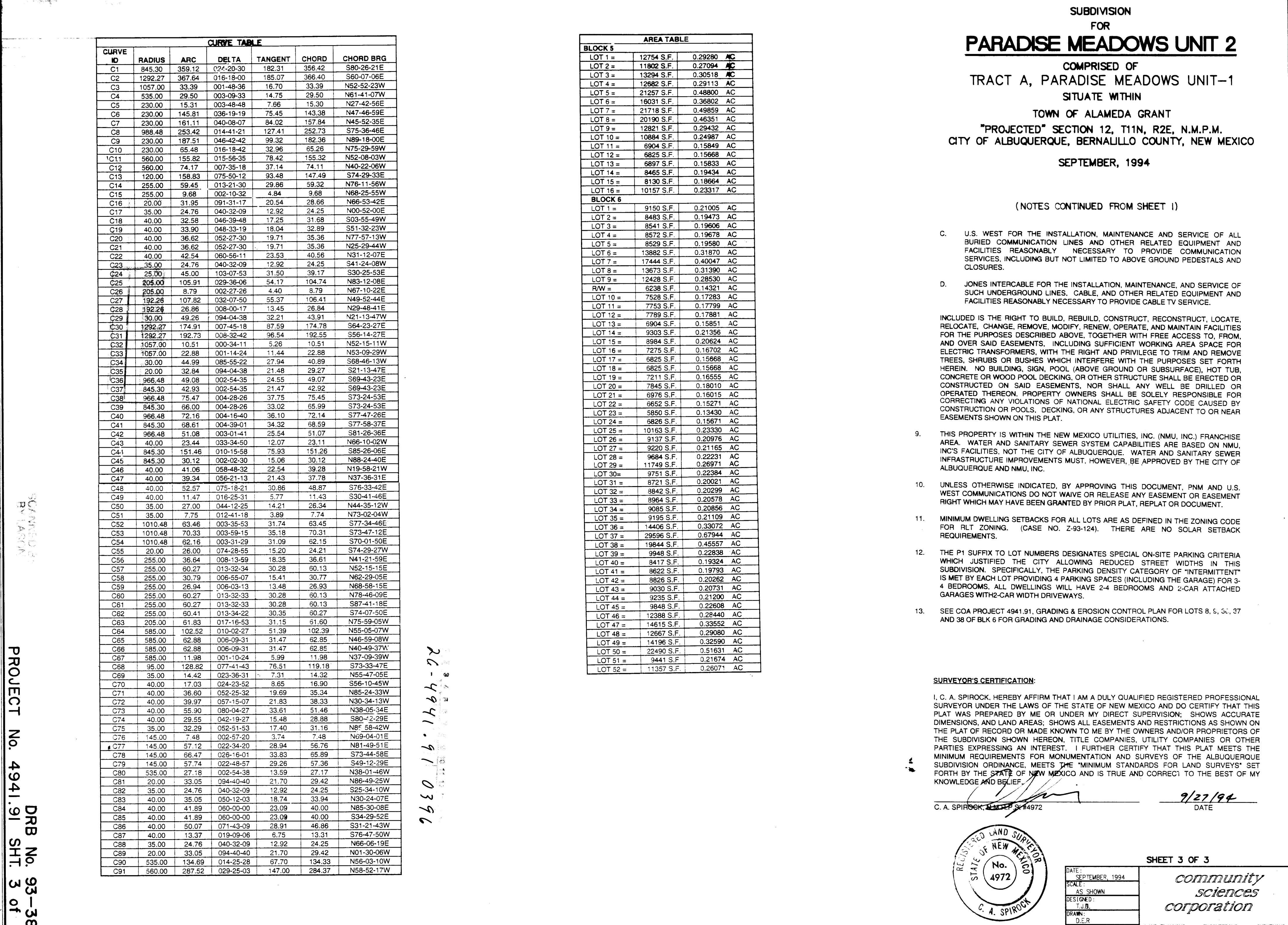
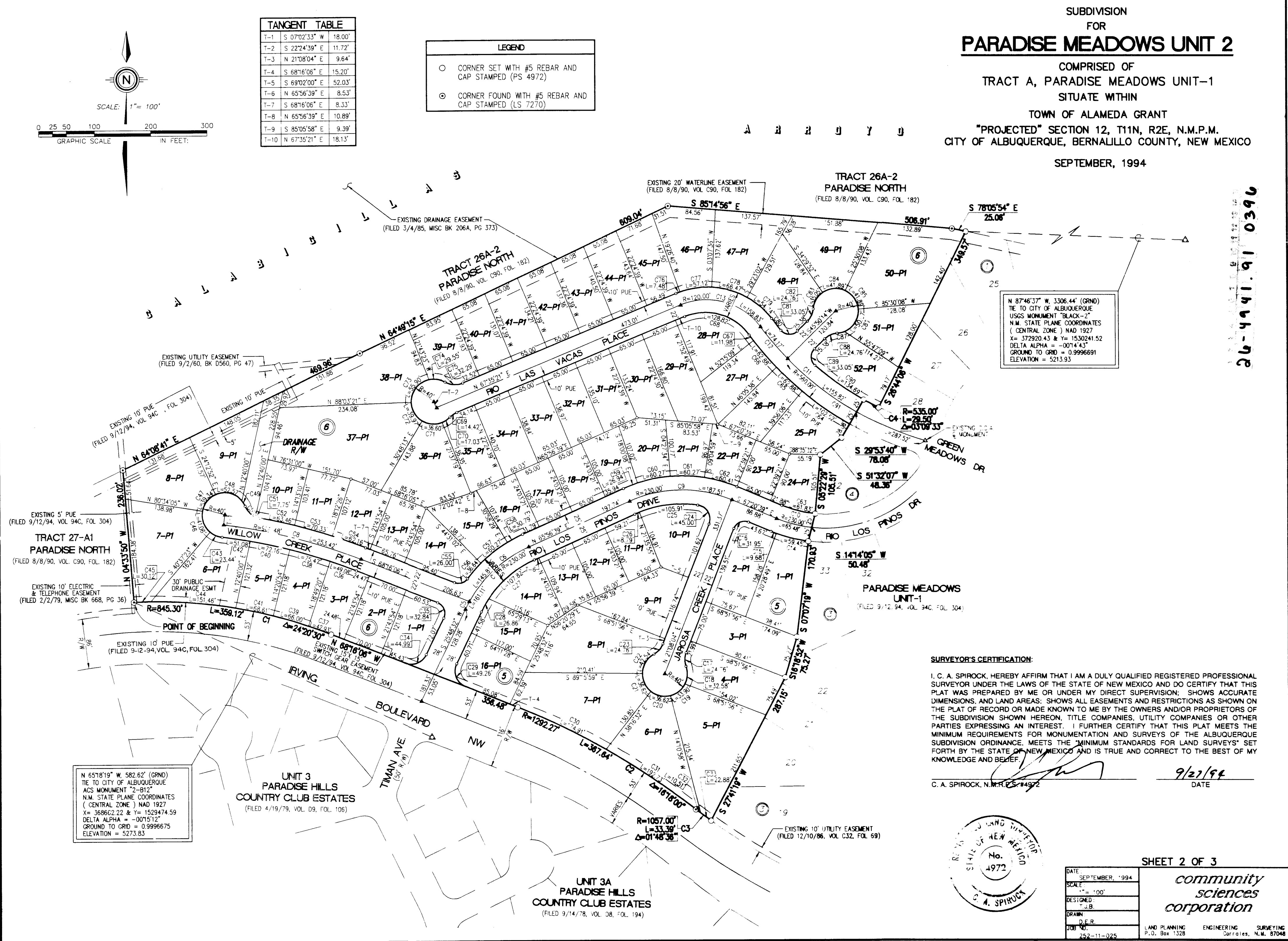
SCALE: 1" = 750' ± VICINITY MAP A-12-Z

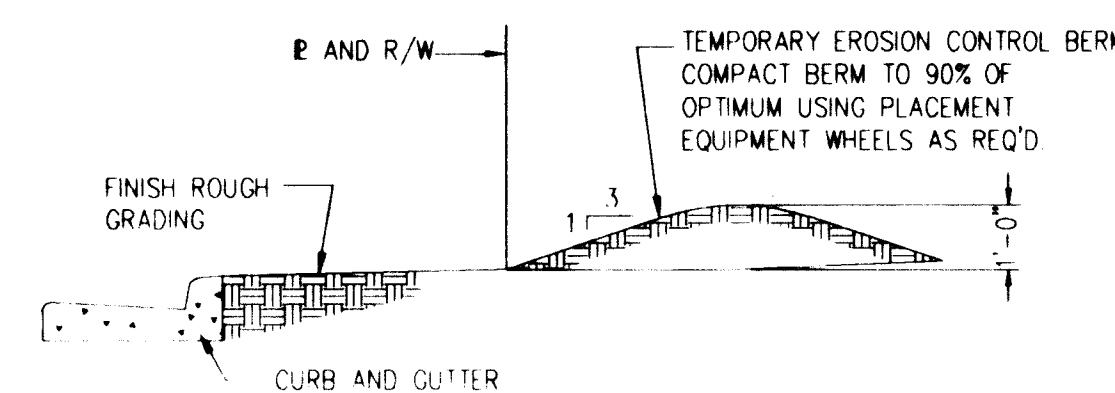
GENERAL NOTES:

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. THE CONTRACTOR SHALL FURNISH EMD'S ON ALL WATER AND SEWER SERVICE STUBS, CAPS AND PLUGS.
5. 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 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 SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
6. THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS.
7. 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 (788-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
8. 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.

26-4941.91 0196

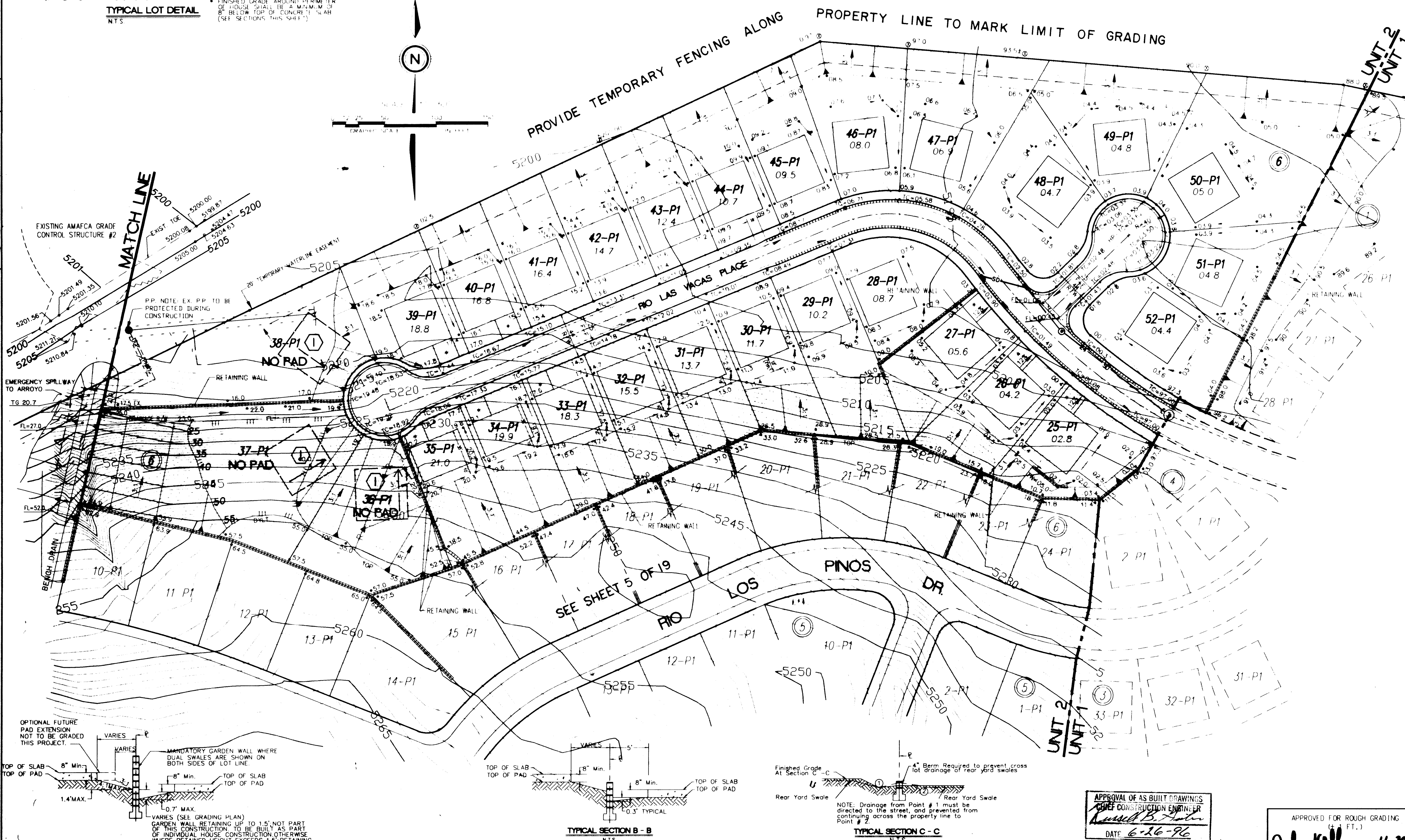
1	REVISIONS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S SEAL		DATE AUG. 1994		community sciences corporation		APPROVED FOR CONSTRUCTION	
		SCALE: AS SHOWN		DESIGNED: T.J.B.		CITY ENGINEER	
		DRAWN: A.M.		25211-PRE		DATE 7/27/95	
		LAND PLANNING P.O. Box 1328		ENGINEERING Corrales, N.M. 87048		PROJECT NO.	
		4941.91		SHEET 1 OF 19			





EROSION CONTROL BERM

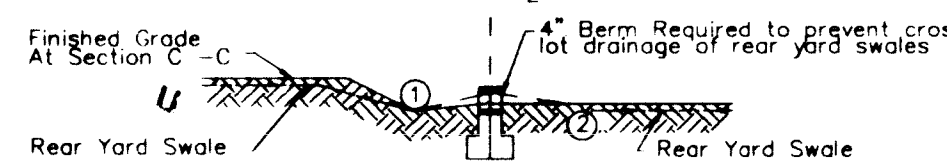
N.T.S.



TYPICAL LOT GRADING DETAILS



TYPICAL SECTION B - B



TYPICAL SECTION C - C

1

NOTE: Drainage from Point # 1 must be directed to the street, and prevented from continuing across the property line to Point # 2.

DRB-93- 384

DRB-93- 384

LEGEND

- FL=74.11
 ● 75.95
 73.6 @
 497.5


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NOTE: SEE SHEET 5 FOR TYPICAL
GRADING NOTES

① POSSIBLE FUTURE STRUCTURE/PAD CONFIGURATION. ROOF DRAINAGE FROM STRUCTURE AND DRIVEWAY MUST BE DIRECTED TO STREET.

NOTE: GRADED SLOPES TO BE PLANTED

RETAINING WALLS ARE
UNDER SEPARATE PERMITS

26-4941.91 0491

DATE: 8-22-94
SCALE: 1"=50'

community
sciences
corporation

JOB NO. 252-11-PRE LAND PLANNING P.O. Box 1328 ENGINEERING SURVEYING
Corrales, N.M. 87104

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

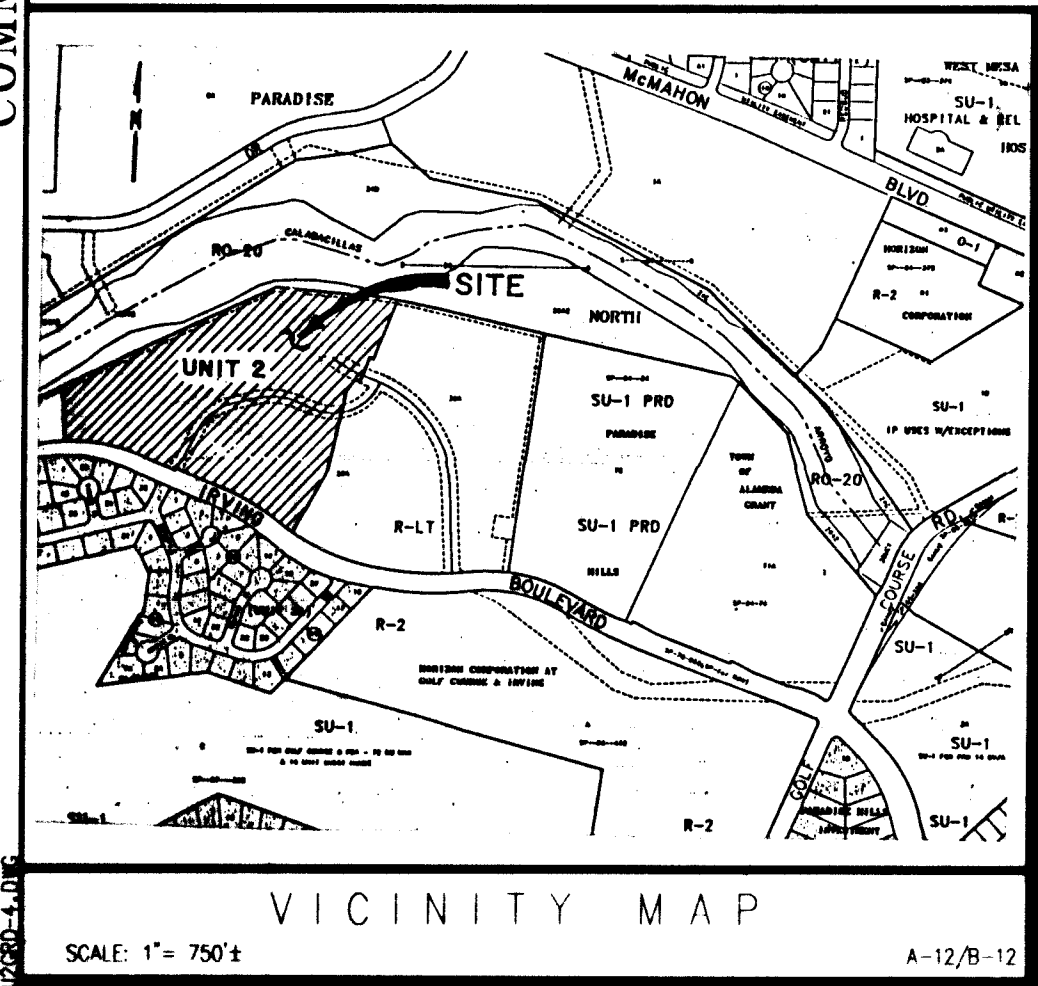
TITLE: PARADISE MEADOWS - UNIT 2
GRADING & EROSION CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ORC CHAIRMAN	B.G. Zimsky	1-26-95	WATER	N/A RWK	11-10-94
TRANSPORTATION	N/A RHO	12-08-94	WASTE WATER	N/A RWK	11-10-94
HYDROLOGY	A. Calogian	12-29-94	A.M.A.F.C.A.	NA SF	11-10-94

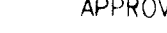
PROJECT NO.	4941.91	MAP NO.	A-12	SHEET	4	OF	19
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SCANNED BY
BY LAGON

SCANNED BY
BY LAGON



DRB-93- 384

APPROVED FOR ROUGH GRADING (1" FT.)		APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE	
 J. M. A. F. C. A. DATE 11-27-94		DRC CHAIRMAN		B. E. Boudry		1-26-95		WATER		N/A RWK		11-10-94	
		TRANSPORTATION		N/A RHO		2-09-91		WASTE WATER		N/A RWK		11-10-94	
		HYDROLOGY		J. C. Long		12-22-94		A. M. A. F. C. A.		N/A J.K.		11-28-94	
CITY HYDROLOGY		DATE		PROJECT NO.		4941.91		MAP NO.		A-12		SHEET 5 OF 19	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
		1	COMMUNITY SCIENCES	11/93	THE STATION IS A 3-1/4" ALUMINUM TABLET SET IN CONCRETE, STAMPED "ACS, 2-B12, 1985, LOCATED AT THE INTERSECTION OF IRVING BLVD. AND TIMMAN AVE. TO REACH THE STATION FROM OF COORS BLVD. AND IRVING BLVD. GO WEST 2.2 MILES ON IRVING TO TIMMAN AVE.		
					CONTRACTOR <u>CSA, INC.</u>		
					WORK BY <u>AUS, INC.</u> , DATE <u>1/96</u>		
					ACCEPTED BY <u>LAURA ELEY</u> , DATE <u>6/96</u>		
					FIELD LOCATION BY <u>AUS, INC.</u> , DATE <u>1/96</u>		
					DRAWINGS CORRECTED BY <u>AUS, INC.</u> , DATE <u>1/96</u>		
					MICRO-FILM INFORMATION		
					SLD 1929 ELEVATION = 5273.83		
					RECORDED BY _____ DATE _____		
					NO. _____		



8-31-94

REQUIREMENT		
NO.	DATE	BY
REVISIONS		
DESIGN		
DESIGNED BY	TJB	DATE
DRAWN BY	MCQ	DATE
CHECKED BY		DATE

CONTROL PLAN

DATE

ENGINEER

DATE

TER

C.A.

11-10-94

11-10-94

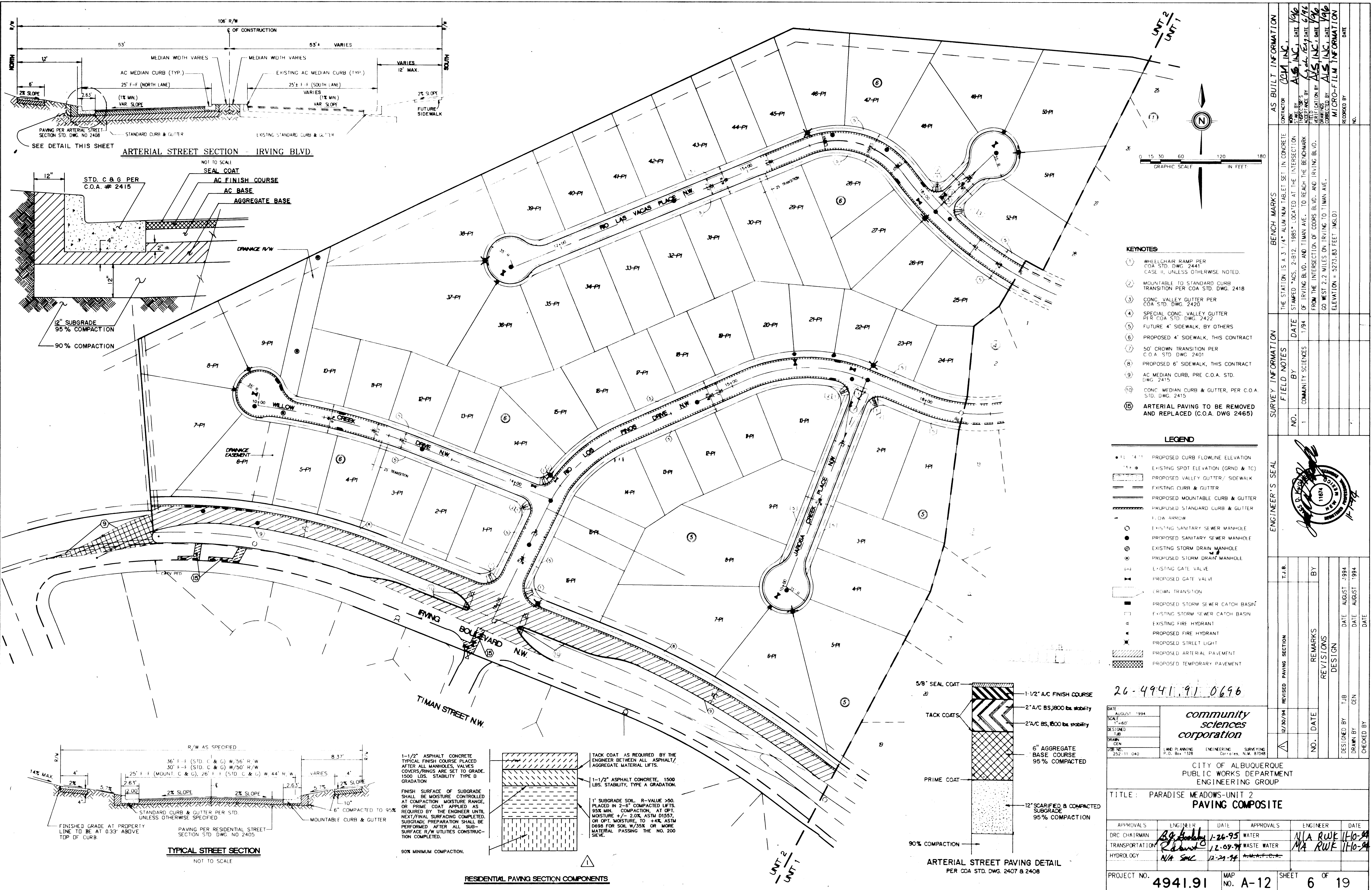
11-10-94

SHEET

5

OF

19





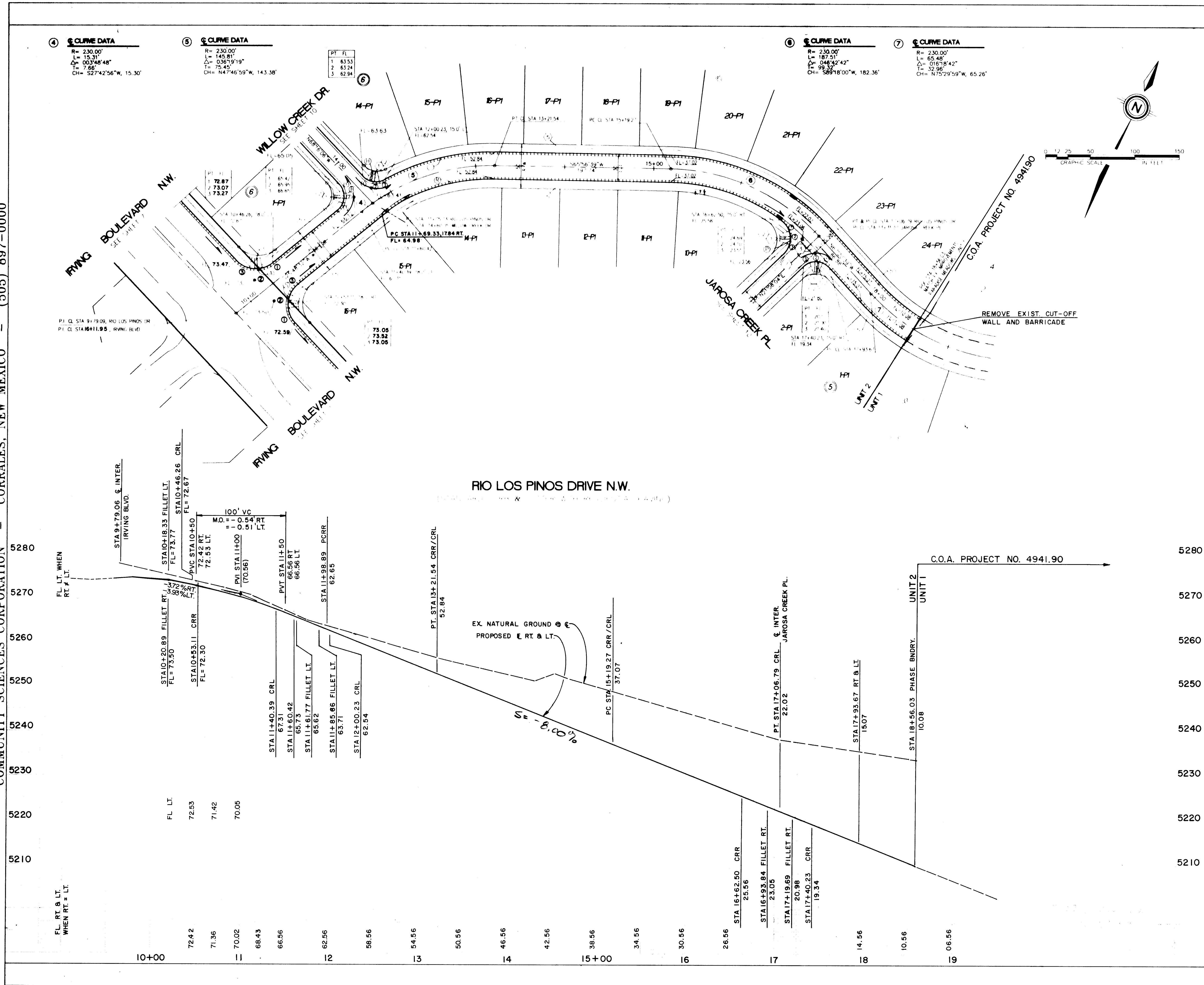
PROJECT NO.	4941.91	MAP NO.	A-12	SHEET	7	OF	19
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SHEET

OF

19

9



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
- CROWN TRANSITION
- PROPOSED STORM SEWER CATCH BASIN
- EXISTING STORM SEWER CATCH BASIN

KEYNOTES

- WHEEL CHAIR RAMP PER COA STD. DWG. 2441. CASE NOT SHOWN OTHERWISE NOTED.
- MOUNTABLE TO STANDARD CURB TRANSITION PER COA STD. DWG. 2418.
- CROWN VALLEY GUTTER PER COA STD. DWG. 2420.
- SPECIAL CONC. VALLEY GUTTER PER COA STD. DWG. 2422.
- EXIST. 4" SIDEWALK, BY OTHERS.
- PROPOSED 4" SIDEWALK, THIS CONTRACT.
- 6" CROWN TRANSITION PER COA STD. DWG. 2401.
- PROPOSED 6" SIDEWALK, THIS CONTRACT.

CURB CURVE DATA (Face of Curb)

CURVE IDEN	RADIUS	ARC	DELTA
A	30.00	44.98905	058-55-22
B	20.00	32.83916	094-04-38
C	975.98	225.45187	019-14-07
D	35.00	13.06964	021-23-43
E	35.00	27.00005	
F	35.00	38.67193	063-18-25
G	1000.98	194.38800	011-07-36
H	20.00	26.53172	076-00-28
I	245.00	129.22327	030-13-13
J	215.00	63.28962	016-51-58
K	245.00	67.67237	015-49-33
L	20.00	31.94699	091-31-17
M	35.00	28.87432	047-16-04
N	35.00	27.21	045-45-21
O	35.00	28.87431	047-16-04
P	25.00	43.41965	099-38-38
Q	215.00001	133.88704	035-40-47
R	215.00	114.64689	030-33-09
S	30.00	49.25873	094-04-38
T	105.32	141.21102	076-49-16
U	34.99999	19.20605	031-26-27
V	35.00	27.63954	
W	34.99999	35.90982	058-47-07
X	134.73001	176.43672	075-01-56
Y	545.00	38.42216	004-02-22
Z	20.00	32.65482	093-32-57
AA	35.00	28.87432	047-16-04
CC	35.00	28.87430	047-16-04
DD	20.00	32.65481	093-32-57
EE	545.00001	117.89099	012-23-38

20-4941.90 0896

community sciences corporation

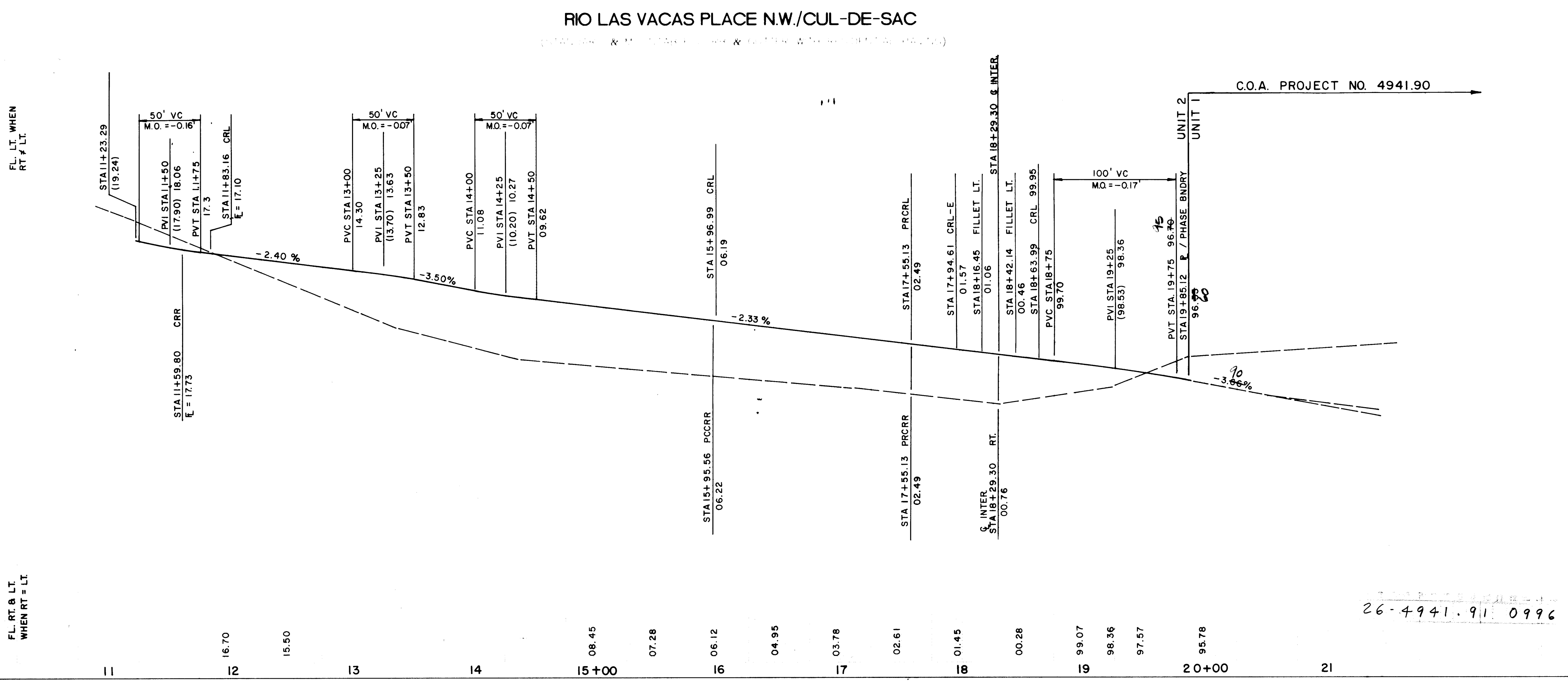
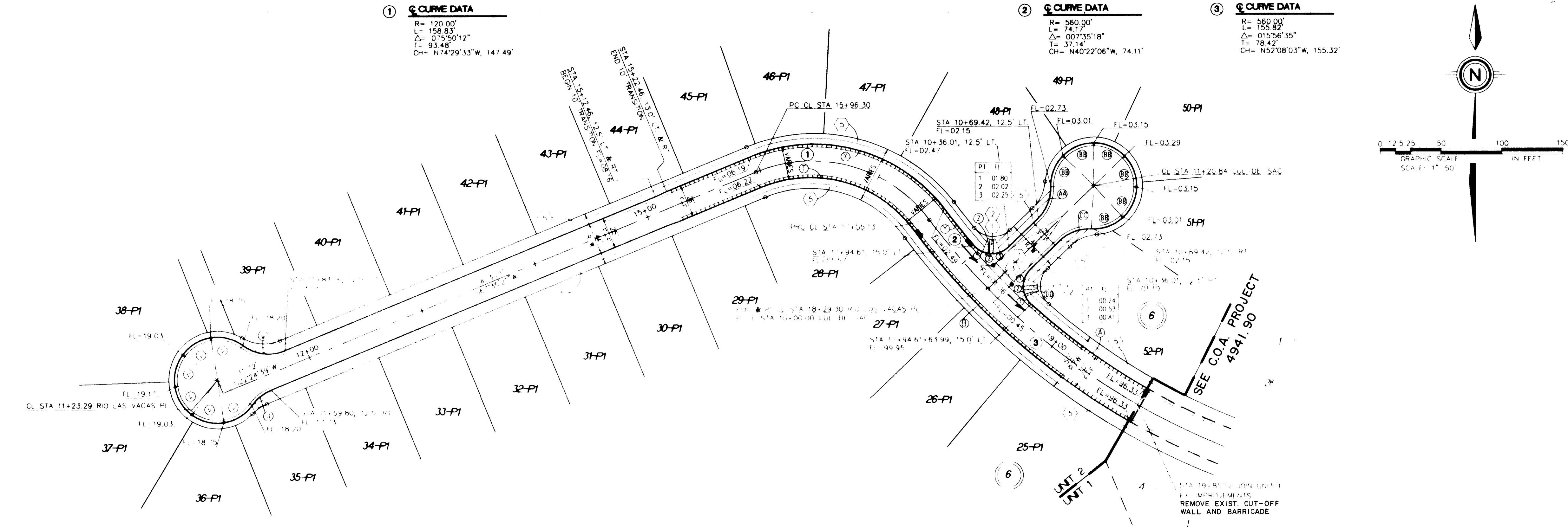
LAND PLANNING P.O. Box 1328
 ENGINEERING Corrales, N.M. 87048
 SURVEYING

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

**TITLE: PARADISE MEADOWS-UNIT 2
 PAVING PLAN & PROFILE
 RIO LOS PINOS DRIVE N.W.**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	12-29-94	WATER	N/A RWE	11-10-94
TRANSPORTATION	<i>[Signature]</i>	12-29-94	WASTE WATER	N/A RWE	11-10-94
HYDROLOGY	N/A SMC	12-29-94	WATER	N/A RWE	11-10-94

PROJECT NO. **4941.91** MAP NO. **A-12** SHEET **8** OF **19**



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
- CROWN TRANSITION
- PROPOSED STORM SEWER CATCH BASIN
- EXISTING STORM SEWER CATCH BASIN

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 COA STD. DWG. 2401
- PROPOSED 6' SIDEWALK, THIS CONTRACT

CURB CURVE DATA
(Face of Curb)

CURVE IDEN	RADIUS	ARC	DELTA
A	30.00	44.98905	058-55-22
B	20.00	32.83916	094-04-38
C	975.98	225.45187	013-14-07
D	35.00	13.06964	021-23-43
E	35.00	27.00005	063-18-25
F	35.00	38.67193	063-18-25
G	1000.98	194.38800	011-07-36
H	20.00	26.53172	078-00-28
I	245.00	129.22327	030-13-13
J	215.00	63.28962	016-51-58
K	245.00	67.67237	015-49-33
L	20.00	31.94699	091-31-17
M	35.00	28.87432	047-16-04
N	35.00	27.21	045-45-21
O	35.00	28.87431	047-16-04
P	25.00	43.41965	099-30-38
Q	215.00001	133.88706	035-40-47
R	215.00	114.64699	030-33-09
S	30.00	49.25873	094-04-38
T	105.32	141.21102	076-49-16
U	34.99999	19.00005	031-26-27
V	35.00	27.63954	058-47-07
W	34.99999	35.90982	075-01-56
X	134.73001	176.43672	075-01-56
Y	545.00	38.42216	004-02-22
Z	20.00	32.65482	093-32-57
AA	35.00	28.87432	047-16-04
CC	35.00	28.87430	047-16-04
DD	20.00	32.65481	093-32-57
EE	545.00001	117.89099	012-23-38

AS BUILT INFORMATION

CONTRACTOR: **COMMUNITY SCIENCES INC.**

DATE: **11-10-94**

DESIGNED BY: **T.J.J.B.**

DRAWN BY: **C.E.N.**

CHECKED BY: **DATE: AUGUST 1994**

REVISIONS

NO.	DATE	REMARKS
1	11-10-94	DESIGN

community sciences corporation

LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1328 Corral Gordo, N.M. 87048

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

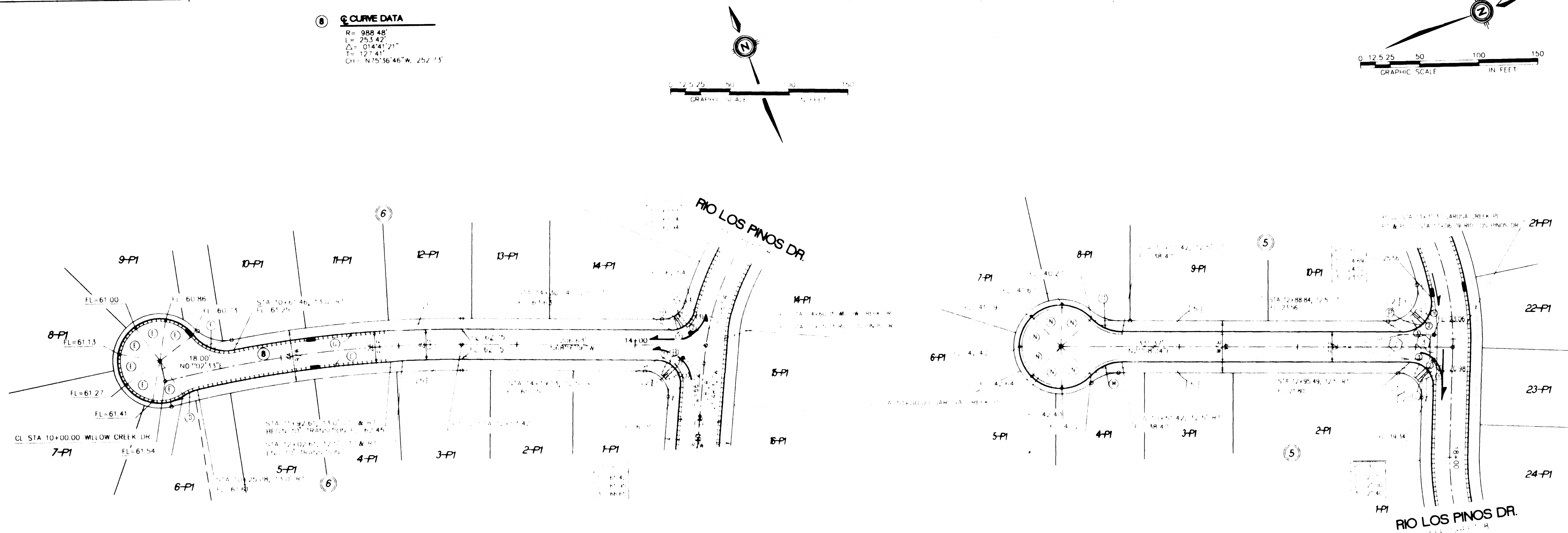
TITLE: PARADISE MEADOWS-UNIT 2
PAVING PLAN & PROFILE
RIO LAS VACAS PLACE N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Bo. Smith</i>	1-26-95	WATER	NIA RWE	11-10-94
TRANSPORTATION	<i>Bo. Smith</i>	12-29-94	WASTE WATER	NIA RWE	11-10-94
HYDROLOGY	NIA SMC	12-29-94			

PROJECT NO. **4941.91**

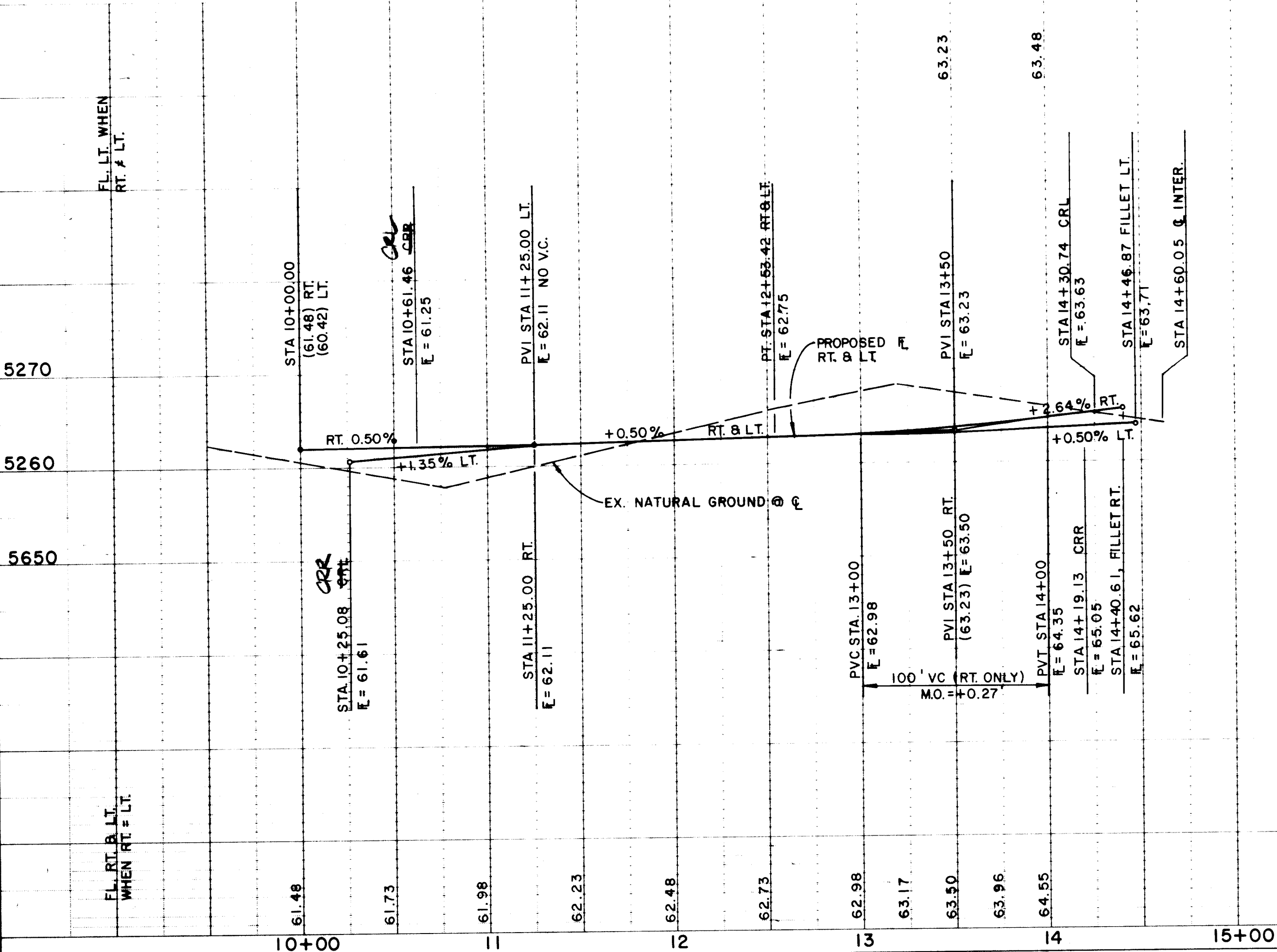
MAP NO. **A-12**

SHEET **9** OF **19**



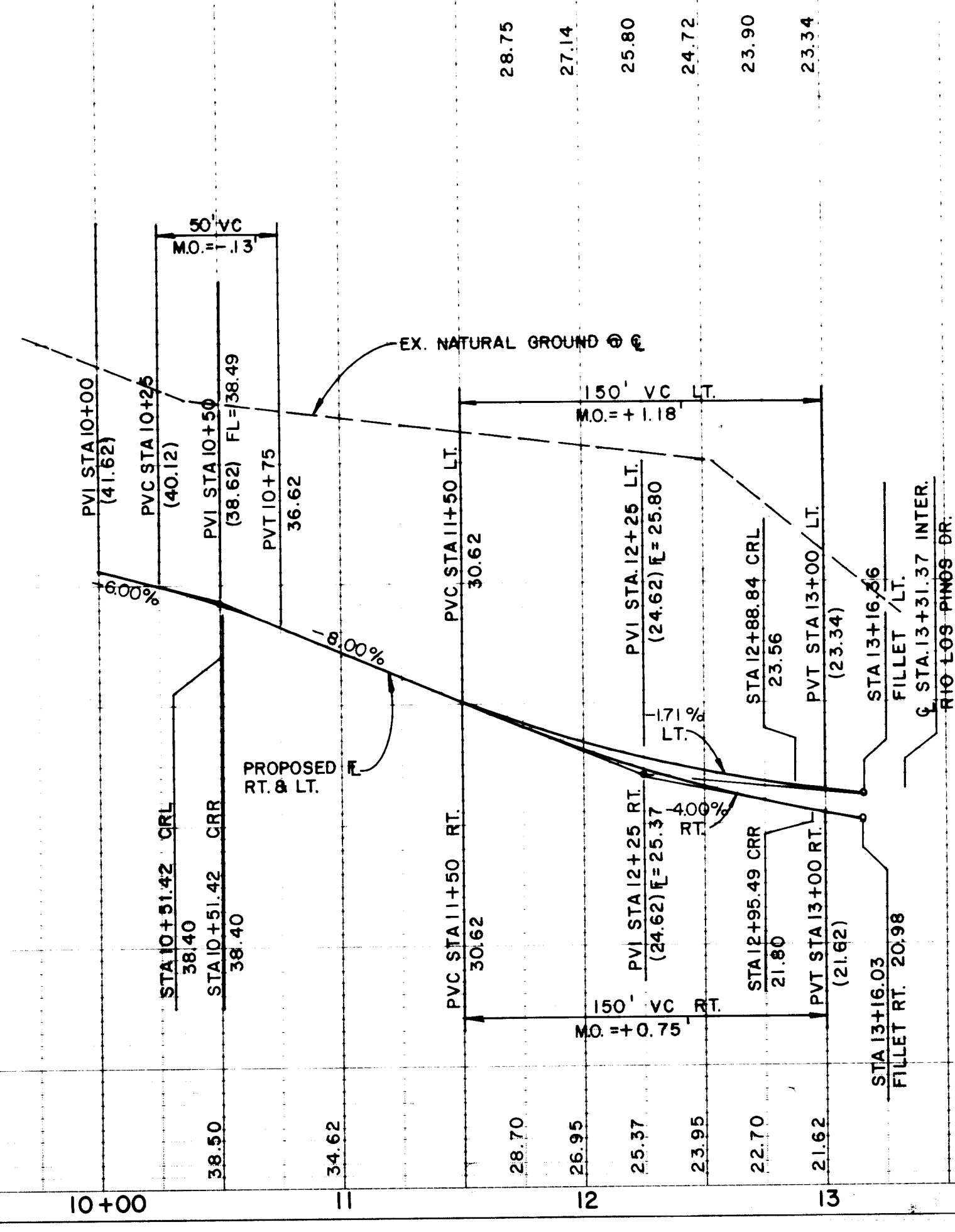
WILLOW CREEK DR. N.W.

(STANDARD & MOUNTABLE CURB & GUTTER WITH MOUNTABLE CURB)



JAROSA CREEK PL. N.W.

(STANDARD & MOUNTABLE CURB & GUTTER WITH MOUNTABLE CURB)



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
	CROWN TRANSITION
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING STORM SEWER CATCH BASIN

KEYNOTES

- WHEELCHAIR RAMP PER COA STD. DWG. 24181
- 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 COA STD. DWG. 2401
- PROPOSED 6' SIDEWALK, THIS CONTRACT

CURB CURVE DATA

(Face of Curb)

CURVE IDEN	RADIUS	ARC	DELTA
A	30.00	44.98905	058-55-22
B	20.00	32.83916	094-04-38
C	975.98	225.45187	013-14-07
D	35.00	13.06964	021-23-43
E	35.00	27.00005	063-18-25
F	35.00	38.67193	063-18-25
G	1000.98	194.38800	011-07-36
H	20.00	26.53172	076-00-28
I	245.00	129.22327	030-13-13
J	215.00	63.28962	016-51-58
K	245.00	67.67237	015-49-33
L	20.00	31.94699	091-31-17
M	35.00	28.87432	047-16-04
N	35.00	27.21	045-45-21
O	35.00	28.87431	047-16-04
P	25.00	43.41965	099-30-38
Q	215.00001	133.88706	035-40-47
R	215.00	114.64699	030-33-09
S	30.00	49.25873	094-04-38
T	105.32	141.21102	076-49-16
U	34.99999	19.20605	031-26-27
V	35.00	27.63954	099-30-38
W	34.99999	35.90982	058-47-07
X	134.73001	176.43672	075-01-56
Y	545.00	38.42216	034-02-22
Z	20.00	32.65482	093-32-57
AA	35.00	28.87432	047-16-04
CC	35.00	28.87430	047-16-04
DD	20.00	32.65481	093-32-57
EE	545.00001	117.89099	012-23-38

SCALE:

HORIZ. 1" = 50'

VERT. 1" = 10'

community
sciences
corporation

LAND PLANNING
P.O. Box 1328

ENGINEERING
Corrales, N.M. 87048

SURVEYING
Corrales, N.M. 87048

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PARADISE MEADOWS-UNIT 2
PAVING PLAN & PROFILE
WILLOW CREEK DR. N.W./JAROSA CREEK PL. N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	12-29-99	12-29-99	WATER	N/A RWK	11-10-99
TRANSPORTATION	12-29-99	12-29-99	WASTE WATER	N/A RWK	11-10-99
HYDROLOGY	N/A SMC	12-29-99	N/A SMC	N/A SMC	11-10-99

PROJECT NO.

4941.91

MAP

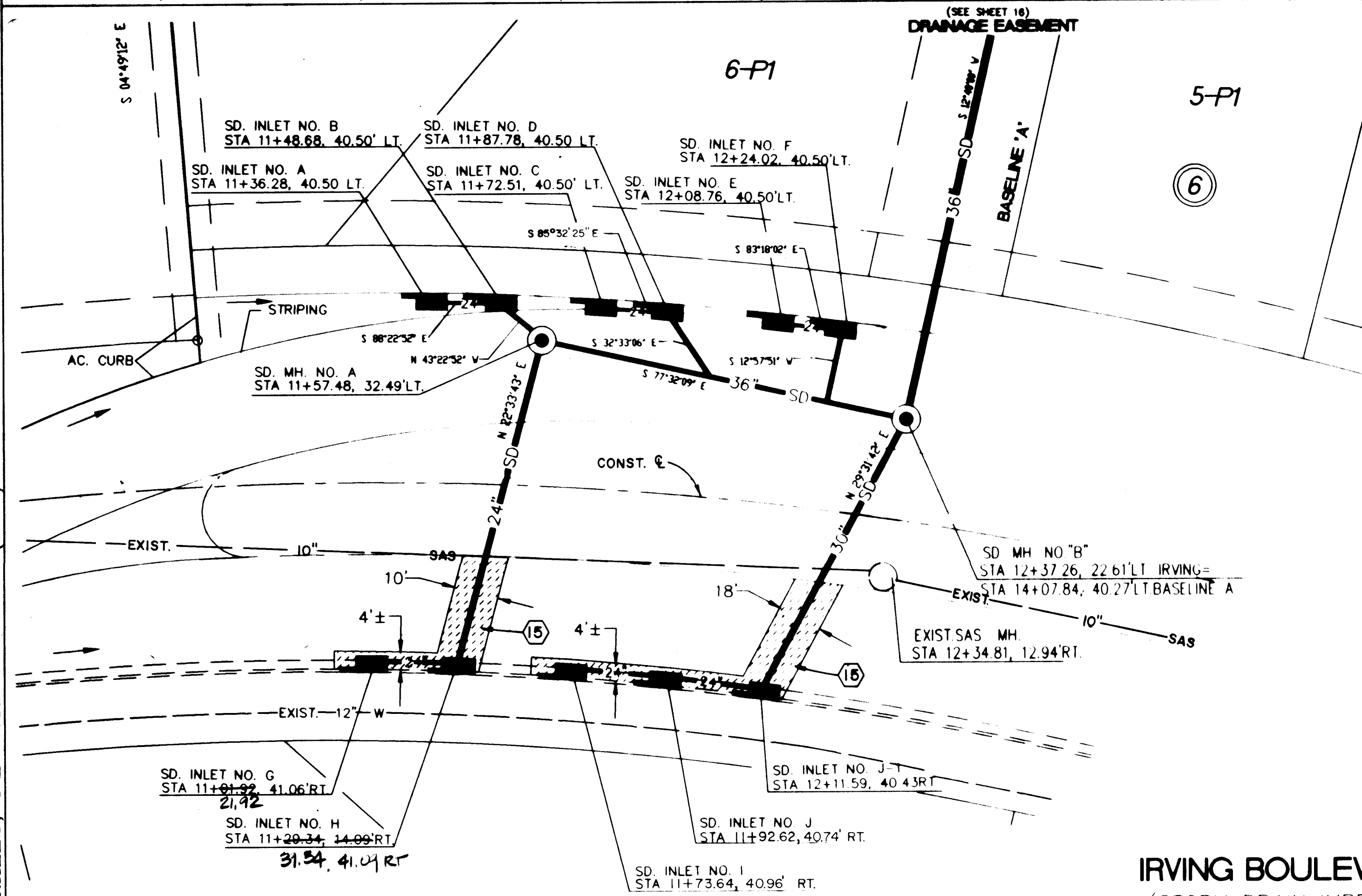
NO. A-12

SHEET

10 OF 19



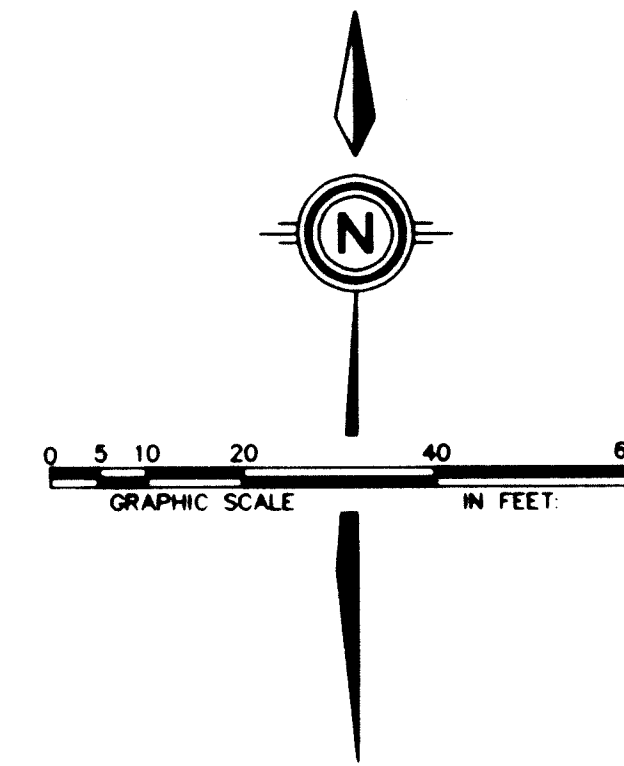
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		THE STATION IS A 3 1/4" ALUMINUM TABLET SET IN CONCRETE		CONTRACTOR <u>COVA, INC.</u>	
		NO.	DATE	STAMPED "ACS. 2-B12. 1985" LOCATED AT THE INTERSECTION		WORK BY <u>ALIS, INC.</u> DATE <u>1996</u>	
		1	1/94	OF IRVING BLVD. AND TIMAN AVE. TO REACH THE BENCHMARK		TESTED BY <u>ALIS, INC.</u> DATE <u>6/96</u>	
NO.		DATE	1	COMMUNITY SCIENCES	FROM THE INTERSECTION OF COORS BLVD. AND IRVING BLVD.		ACCEPTANCE BY <u>ALIS, INC.</u> DATE <u>1996</u>
REMARKS		BY			GO WEST 2.2 MILES ON IRVING TO TIMAN AVE.		DRAWINGS CORRECTED BY <u>ALIS, INC.</u> DATE <u>1996</u>
DESIGN				ELEVATION = 5273.83 FEET (MSLD)		MICRO-FILM INFORMATION	
DESIGNED BY	TJB	DATE	AUGUST 1994			RECORDED BY	
DRAWN BY	CEN	DATE	AUGUST 1994			DATE	
CHECKED BY		DATE				NO.	



CONTRACTOR TO VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO DIGGING

IRVING BOULEVARD N.W. (STORM DRAIN IMPROVEMENTS)

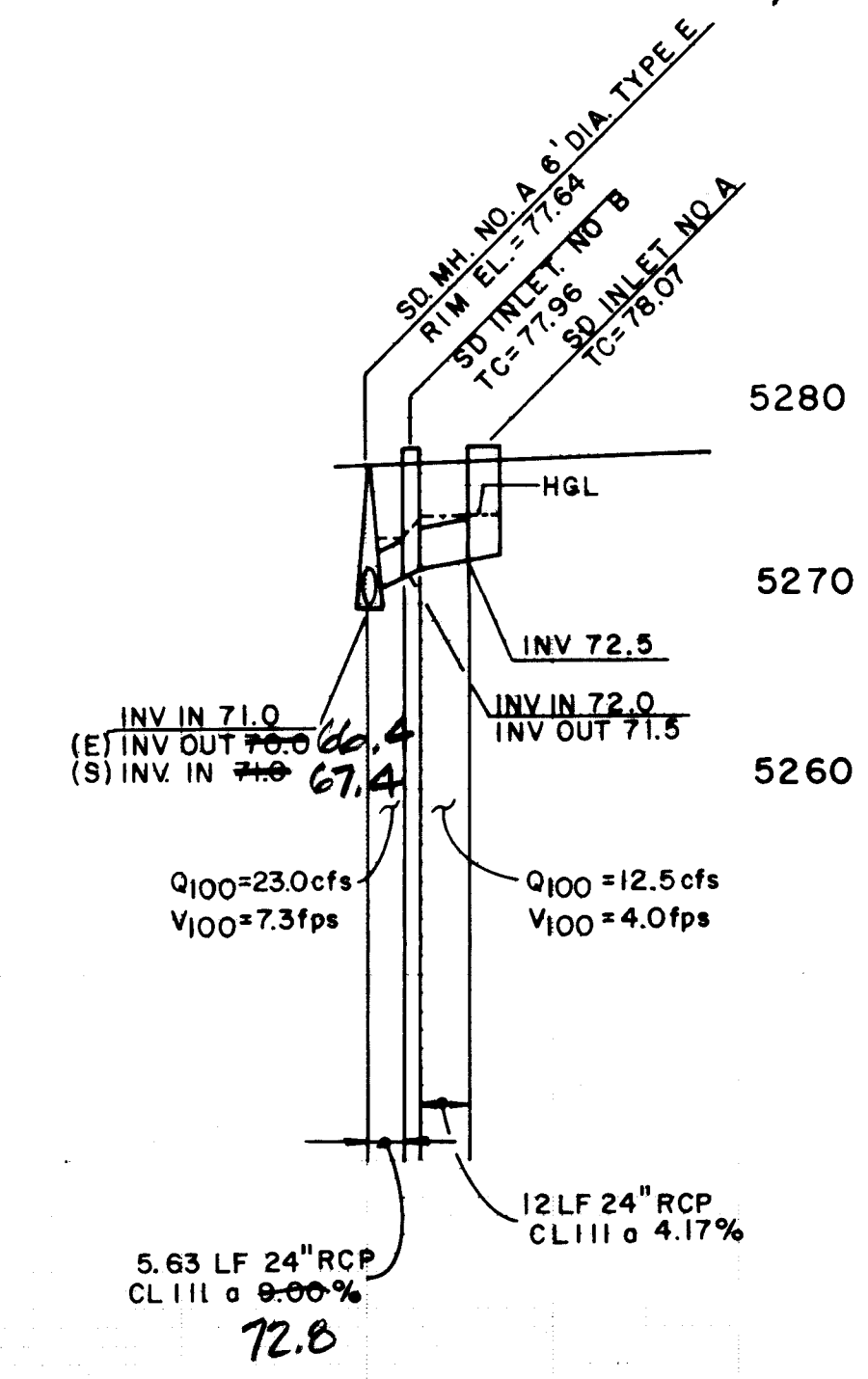
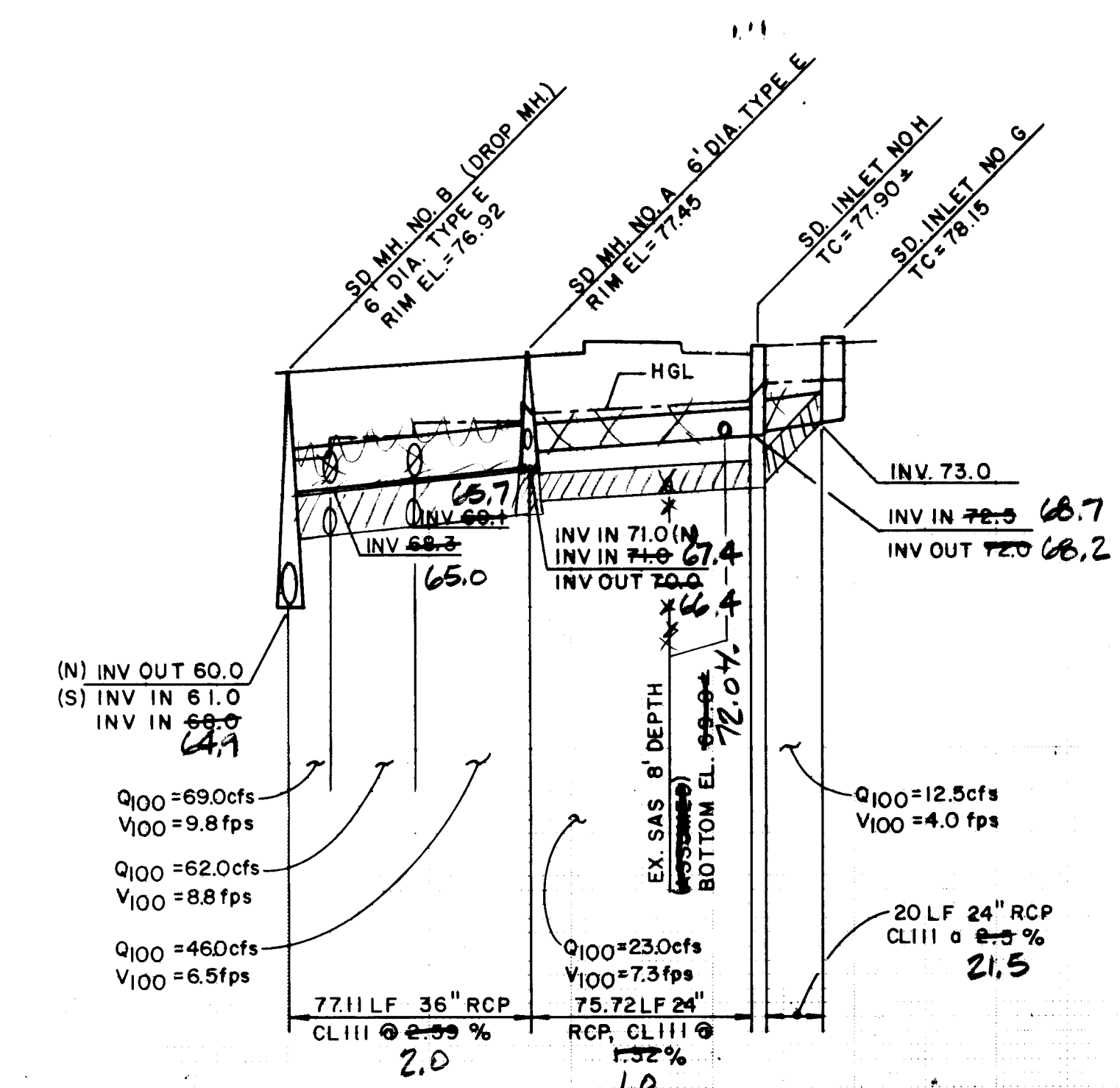
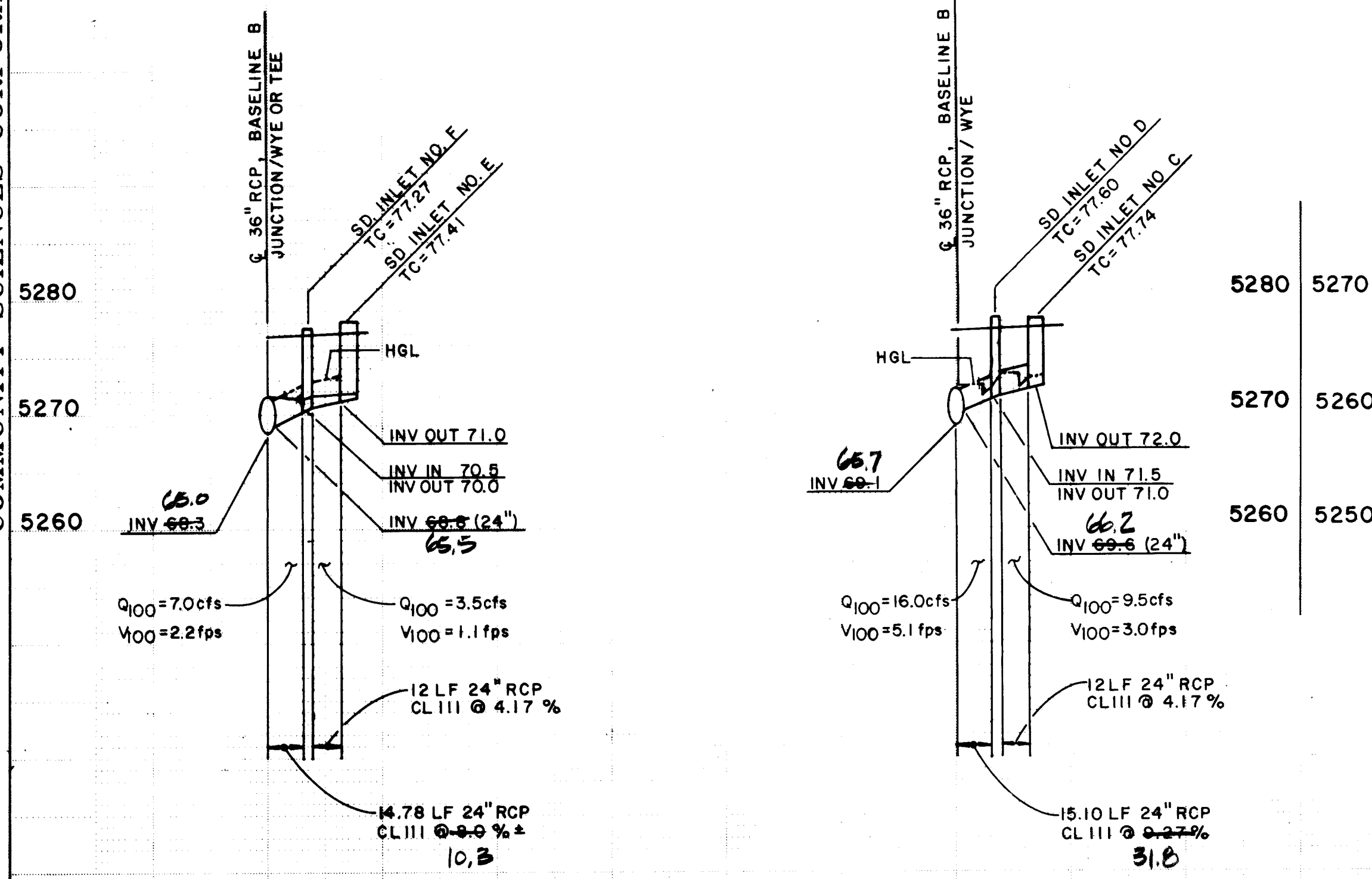
(SEE SHEET 16 FOR ADDITIONAL INFORMATION)



UTILITY LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	---	---
ENCASEMENT	---	---
SANITARY SEWER MANHOLE	---	---
SAS SERVICE CONNECTION	---	---
STORM DRAIN LINE	---	---
STORM DRAIN MANHOLE	---	---
STORM DRAIN INLETS	---	---
WATER LINE	---	---
GATE VALVE	---	---
BUTTERFLY VALVE	---	---
FIRE HYDRANTS	---	---
REDUCERS	---	---
WATER SERVICE / METER	---	---
TEES	---	---
CROSSES	---	---
BENDS	---	---
CAPS & PLUGS	---	---
ARTERIAL PAVING REMOVAL AND REPLACEMENT	---	---

NOTE:
ALL INLETS ARE TYPE "A" DOUBLE GRATE, SINGLE THROAT TYPE CATCH BASINS PER C.O.A. STD. DWG. 2201

KEYNOTE:
(5) ARTERIAL PAVING TO BE REMOVED AND REPLACED (C.O.A. DWG 2465)



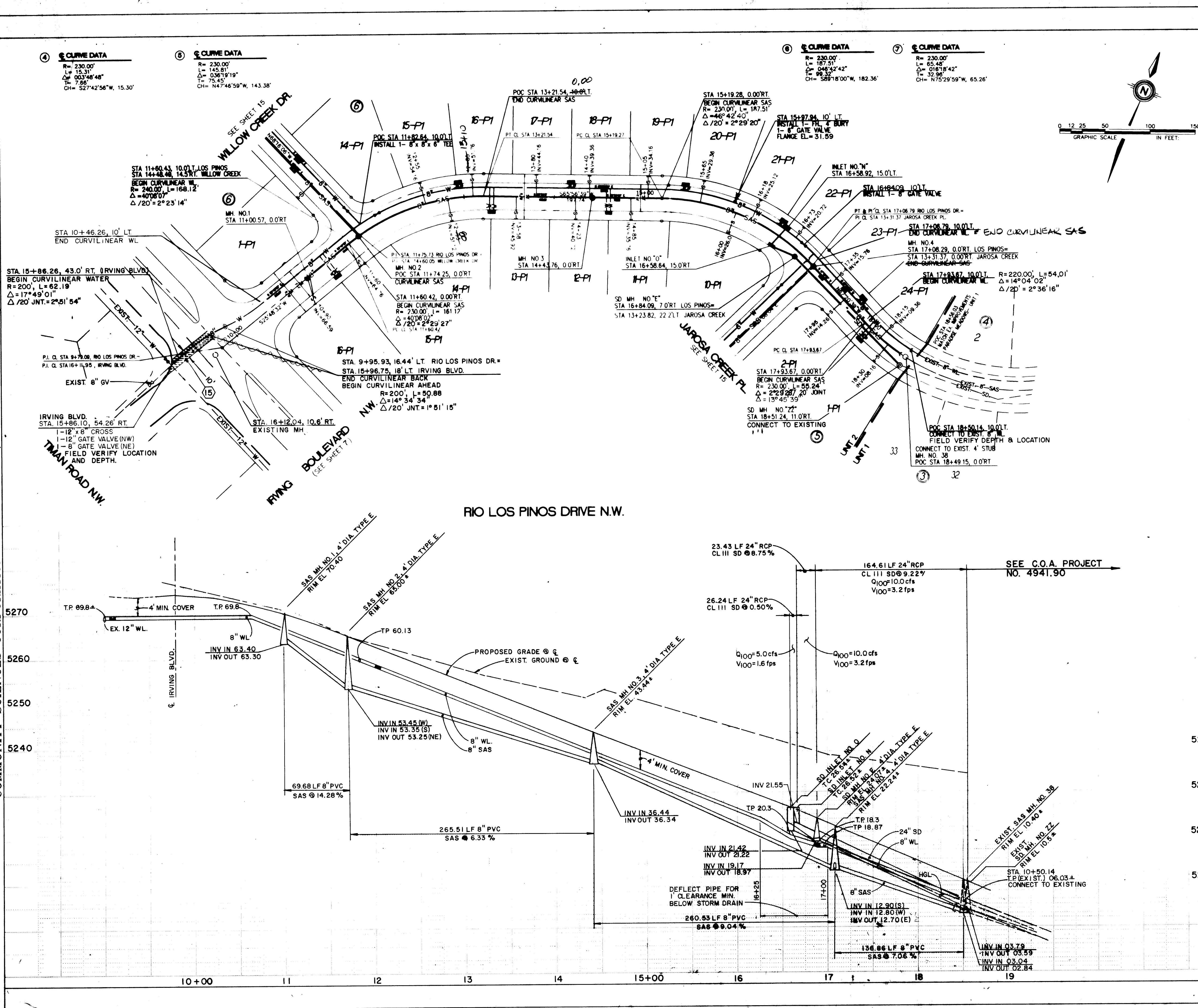
SCALE
1" = 20' (PLAN), 1" = 50' (PROFILE)
1" = 10' VERT.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PARADISE MEADOWS- UNIT 2
UTILITY PLAN & PROFILE
IRVING BOULEVARD (STORM DRAIN)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. Ambler	1-26-95	WATER	NIA RWE	11-10-94
TRANSPORTATION	NIA RWE	12-08-94	WASTE WATER	NIA RWE	11-10-94
HYDROLOGY	J. Calogian	12-21-94	***ATG***		

PROJECT NO. 4941.91 MAP NO. A-12 SHEET 12 OF 19



UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE		
ENCASEMENT		
SANITARY SEWER MANHOLE		
SAS SERVICE CONNECTION		
STORM DRAIN LINE		
STORM DRAIN MANHOLE		
STORM DRAIN INLETS		
WATER LINE		
GATE VALVE		
BUTTERFLY VALVE		
FIRE HYDRANTS		
REDUCERS		
WATER SERVICE/ METER		
TEES		
CROSSES		
BENDS		
CAPS & PLUGS		
ARTERIAL PAVING REMOVAL AND REPLACEMENT		

NOTE:
 ALL INLETS ARE TYPE "A"
 DOUBLE GRATE, SINGLE THROAT
 TYPE CATCH BASINS PER
 C.O.A. STD. DWG. 2201

(15) ARTERIAL PAVING TO BE REMOVED
 AND REPLACED (C.O.A. DWG. 2465)

AS BUILT INFORMATION

CONTRACTOR: CCM, INC.
 DATE: 1/16/94
 WORK: PARADISE MEADOWS UNIT 2
 STATION: 10+00 TO 19+00
 ACCEPTANCE BY: [Signature]
 DATE: 1/16/94
 DRAWING NO.: 4941.91
 CORRECTED BY: [Signature]
 DATE: 1/16/94
 MICRO-FILM INFORMATION: [Blank]

SURVEY INFORMATION

FIELD NOTES: [Blank]
 DATE: 1/94
 BY: [Blank]
 NO. 1
 COMMUNITY SCIENCES

ENGINEER'S SEAL

[Signature]
 D. HUGHES
 11-1-94

REVISIONS

NO.	DATE	BY	REMARKS
1	1/16/94	[Blank]	DESIGN

DESIGNED BY: T.J.B. DATE: AUGUST 1994
 DRAWN BY: C.E.N. DATE: AUGUST 1994
 CHECKED BY: [Blank] DATE: AUGUST 1994

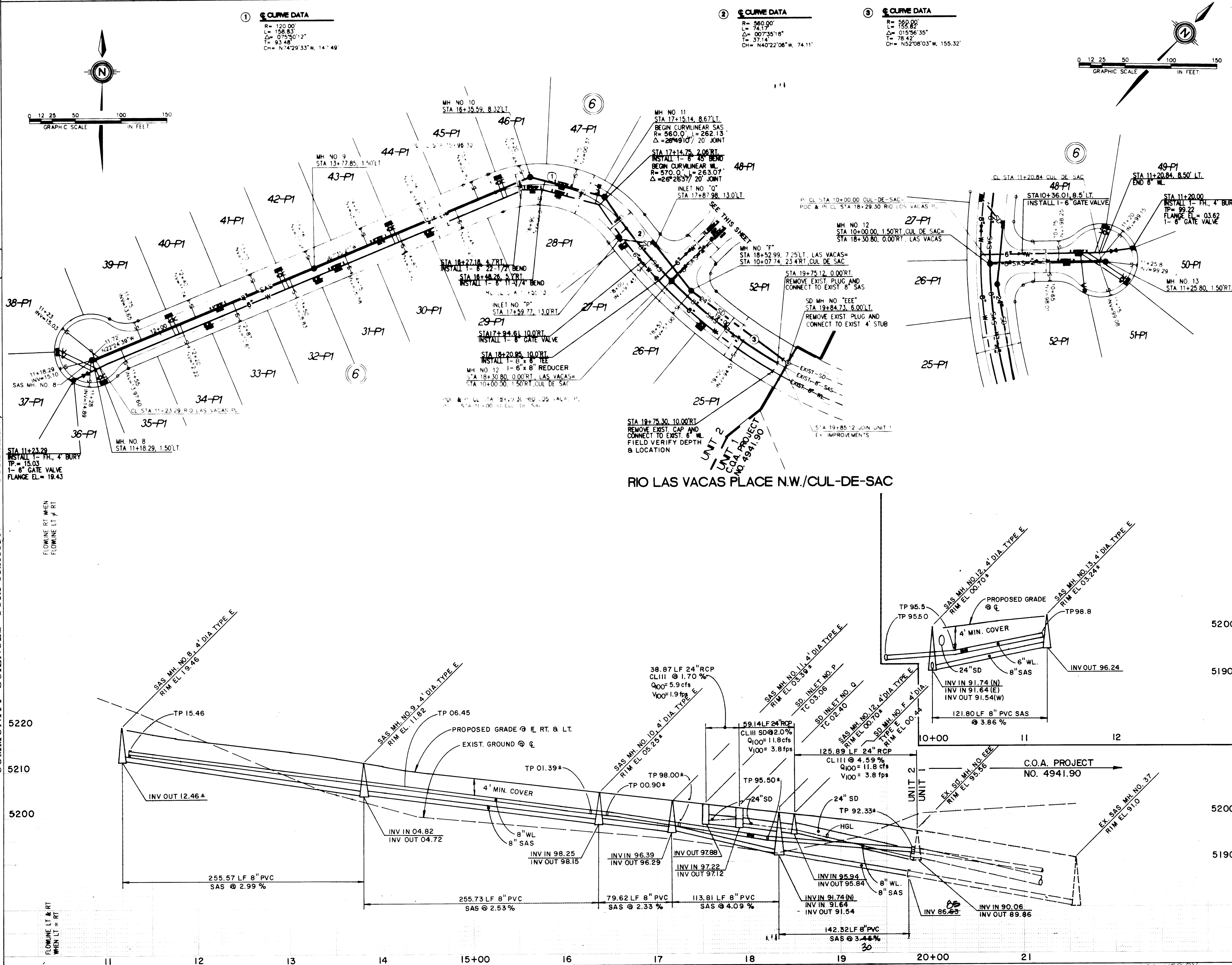
community sciences corporation
 LAND PLANNING P.O. Box 1328
 ENGINEERING Corrales, N.M. 87048
 SURVEYING

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

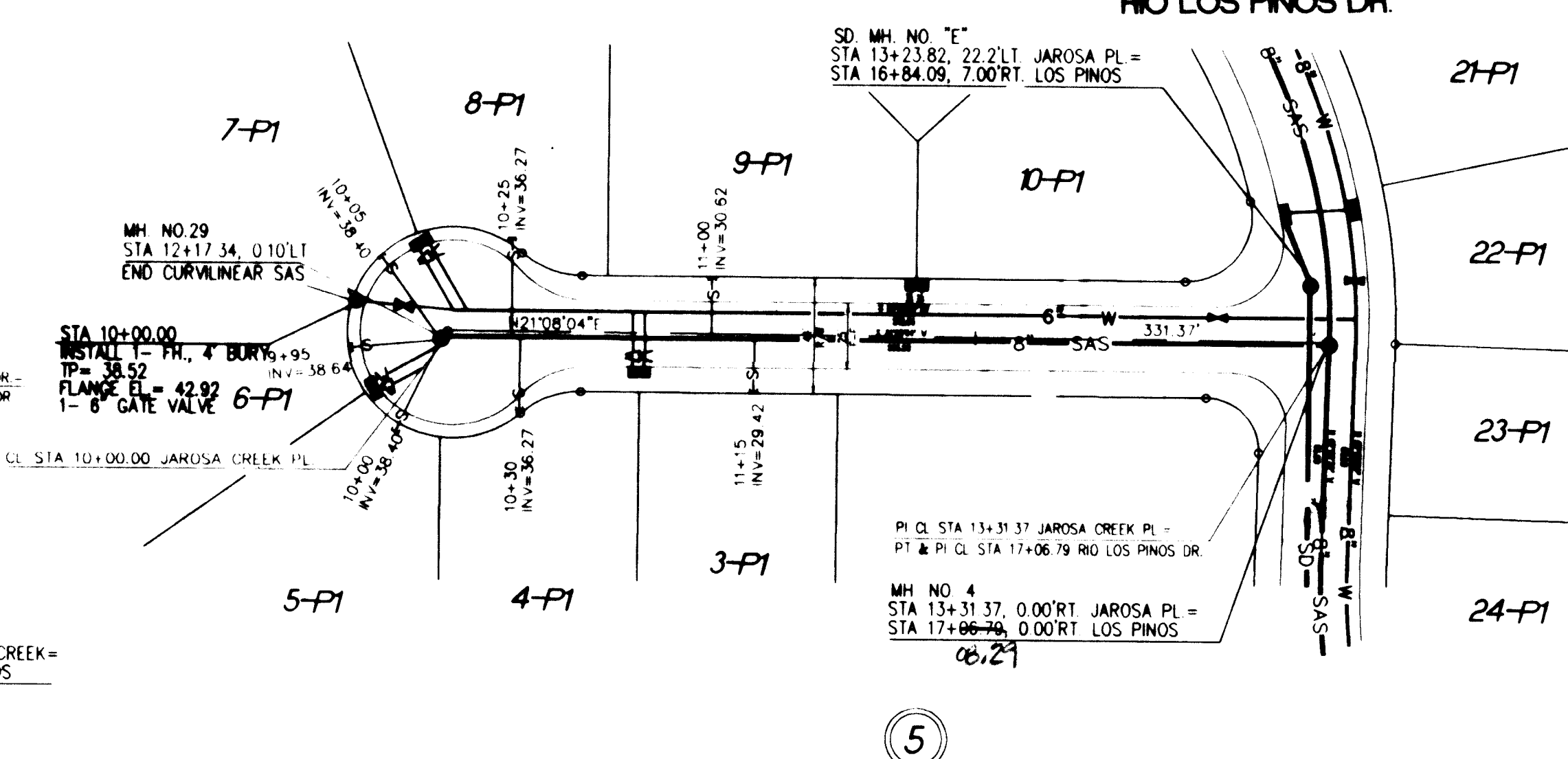
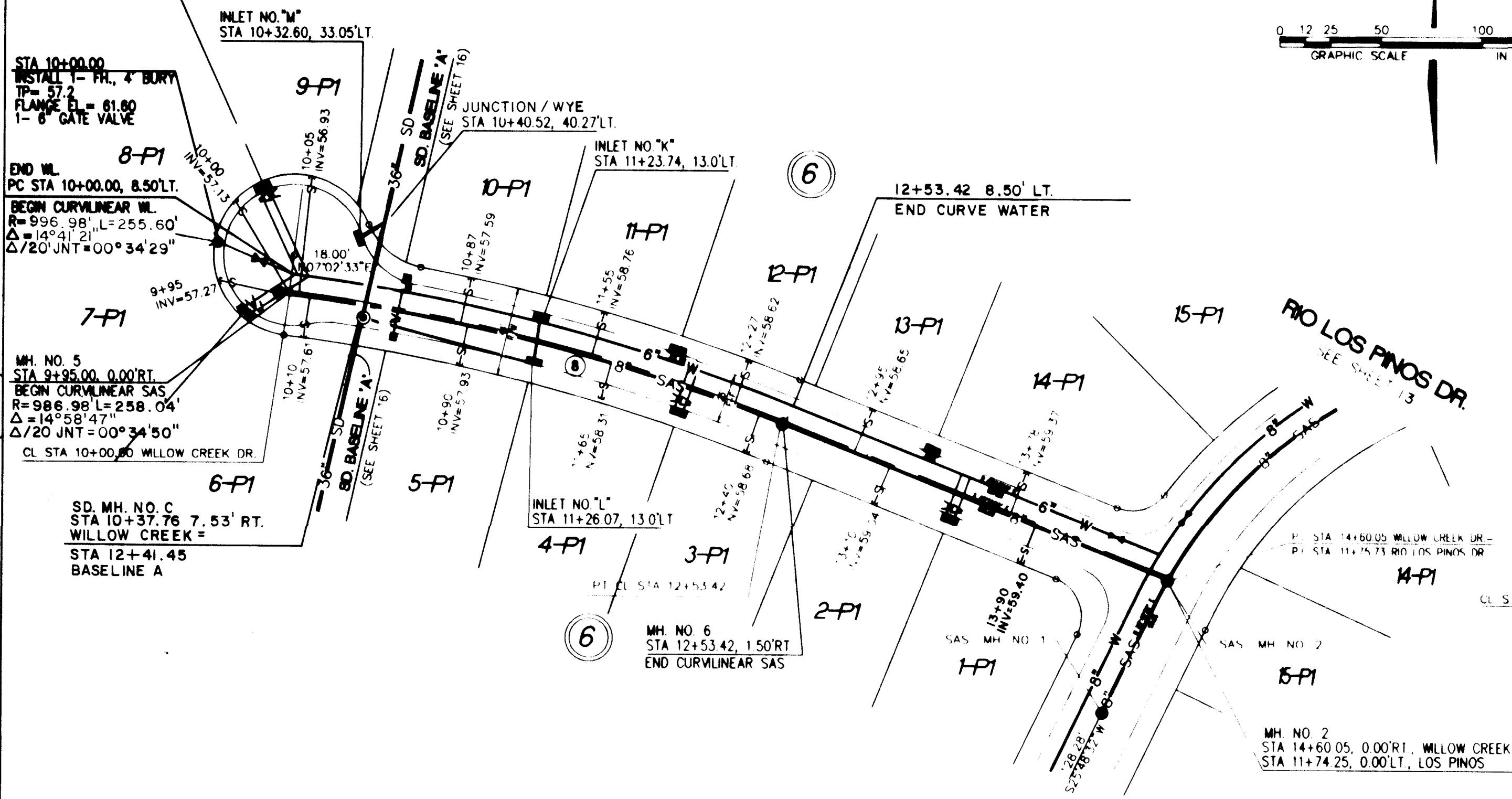
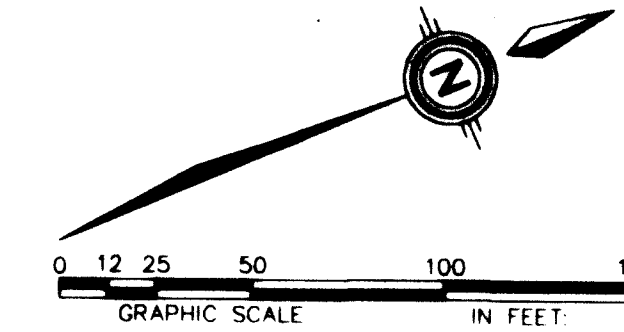
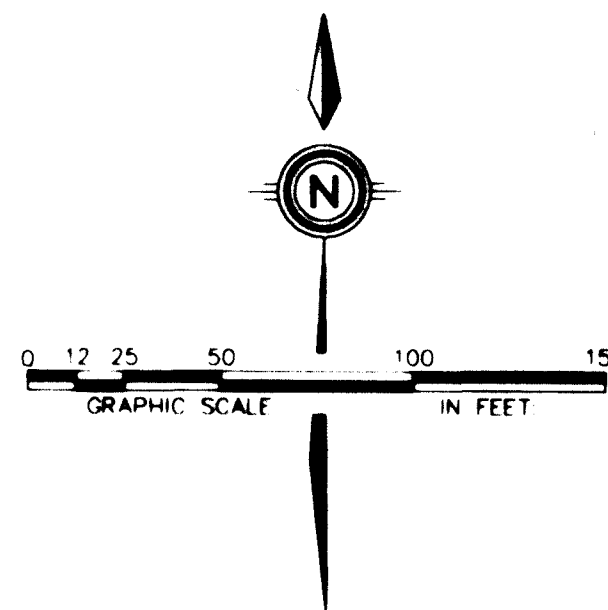
TITLE: PARADISE MEADOWS-UNIT 2
 UTILITY PLAN & PROFILE
 RIO LOS PINOS N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[Signature]	1-26-95	WATER	R.W. Kane	11-10-94
TRANSPORTATION	[Signature]	12-08-94	WASTE WATER	R.W. Kane	11-10-94
HYDROLOGY	N/A SMC	12-21-94	N.M.U.I.	[Signature]	11-7-94

PROJECT NO. 4941.91 MAP NO. A-12 SHEET 13 OF 19



⑥ CURVE DATA
R= 988.48'
L= 253.42'
Δ= 014°41'21"
T= 127.41'
CH= N75°36'46"W, 252.73'

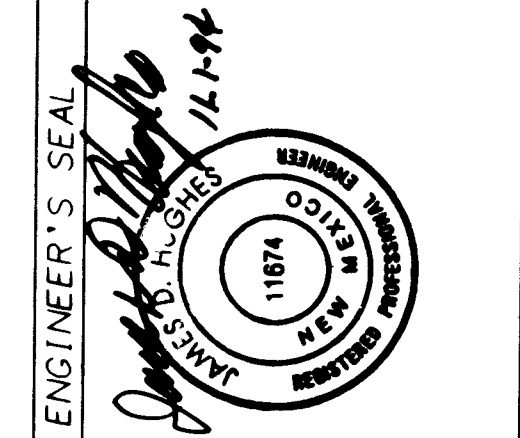


UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	—	—
ENCASEMENT	—	—
SANITARY SEWER MANHOLE	—	—
SAS SERVICE CONNECTION	—	—
STORM DRAIN LINE	—	—
STORM DRAIN MANHOLE	—	—
STORM DRAIN INLETS	—	—
WATER LINE	—	—
GATE VALVE	—	—
BUTTERFLY VALVE	—	—
FIRE HYDRANTS	—	—
REDUCERS	—	—
WATER SERVICE/ METER	—	—
TEES	—	—
CROSSES	—	—
BENDS	—	—
CAPS & PLUGS	—	—

NOTE:
ALL INLETS ARE TYPE "A"
DOUBLE GRATE, SINGLE THROAT
TYPE CATCH BASINS PER
C.O.A. STD. DWG. 2201

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	ASB, INC.	STATION IS A 3.1/4" ALUMINUM TABLE SET IN CONCRETE.	DATE	1/94	BY
DATE	1/94	STAMPED "ACS 2-B12, 1985" LOCATED AT THE INTERSECTION OF IRVING BLVD. AND TIMAN AVE. TO REACH THE BENCHMARK FROM THE INTERSECTION OF COORS BLVD. AND IRVING BLVD., GO WEST 2.2 MILES ON IRVING BLVD. (ELEVATION = 5273.83 FEET MSLD)	NO.	1	COMMUNITY SCIENCES

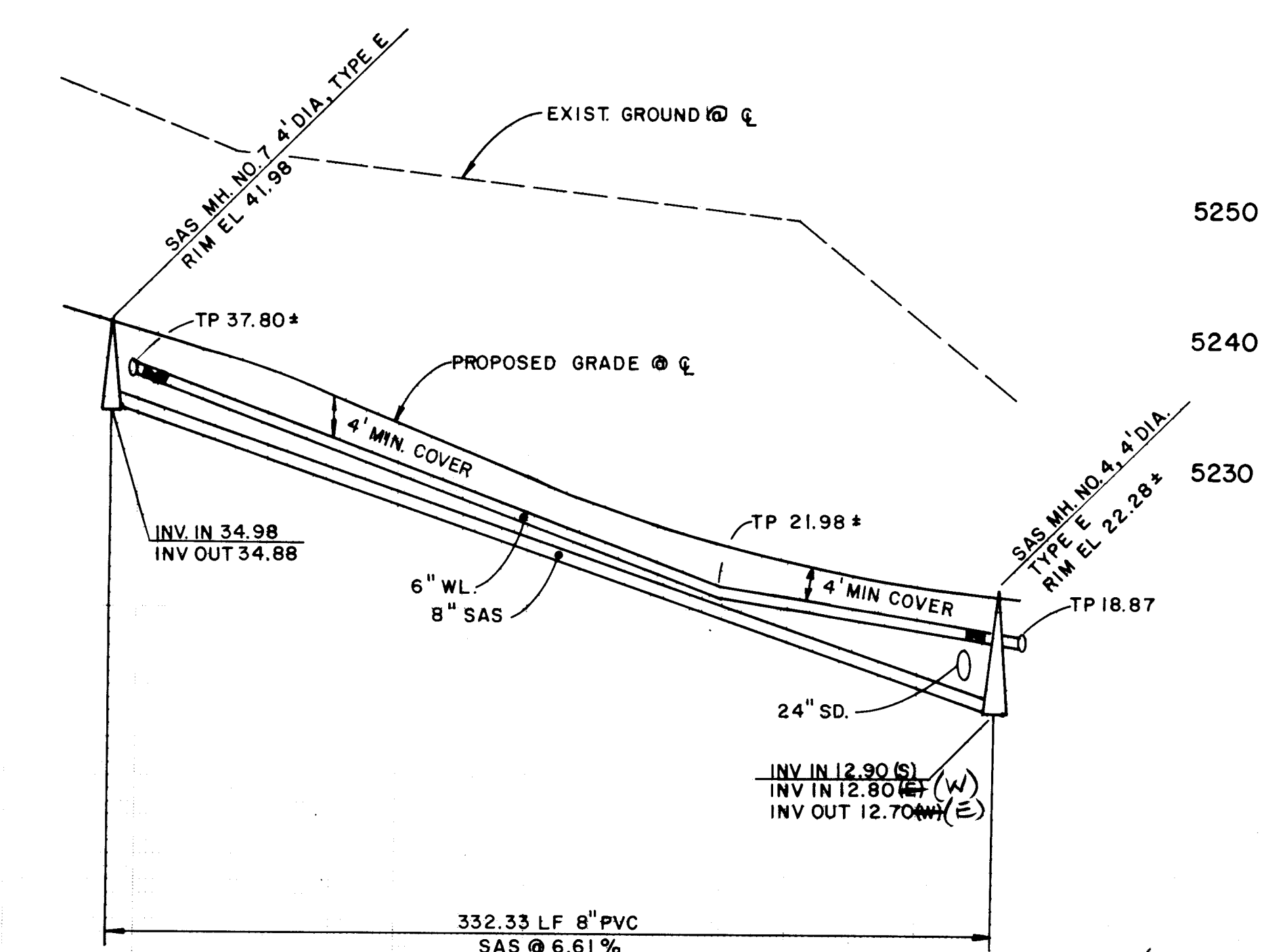
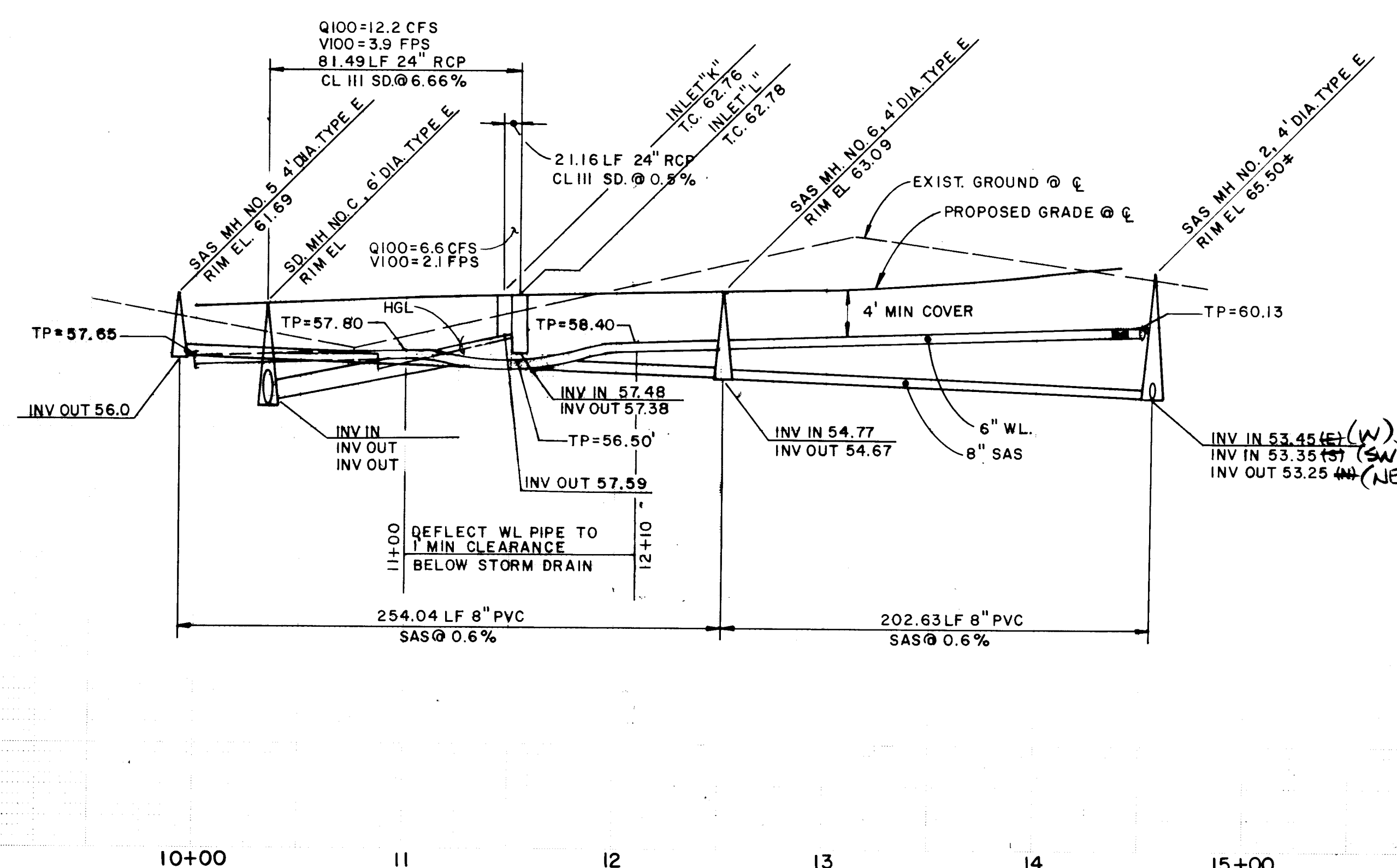


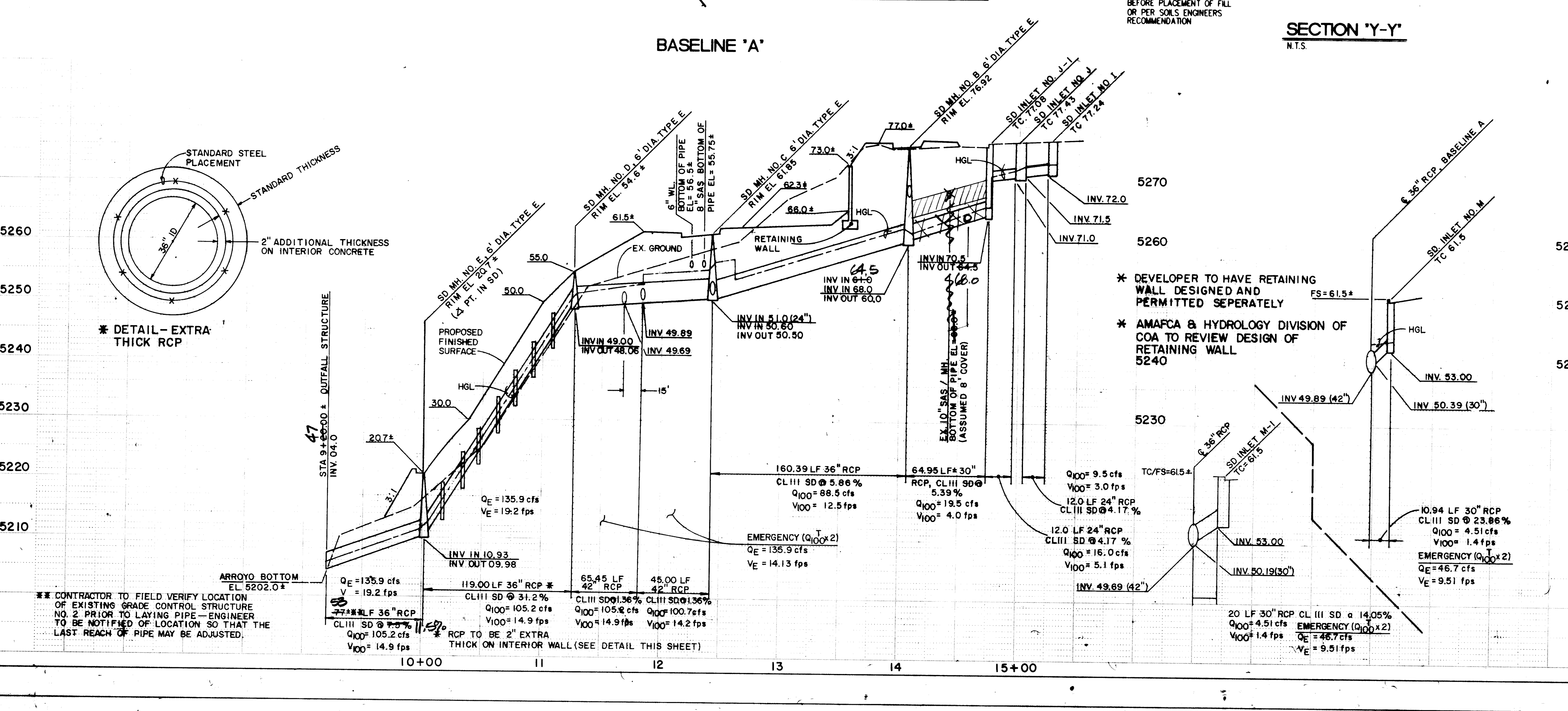
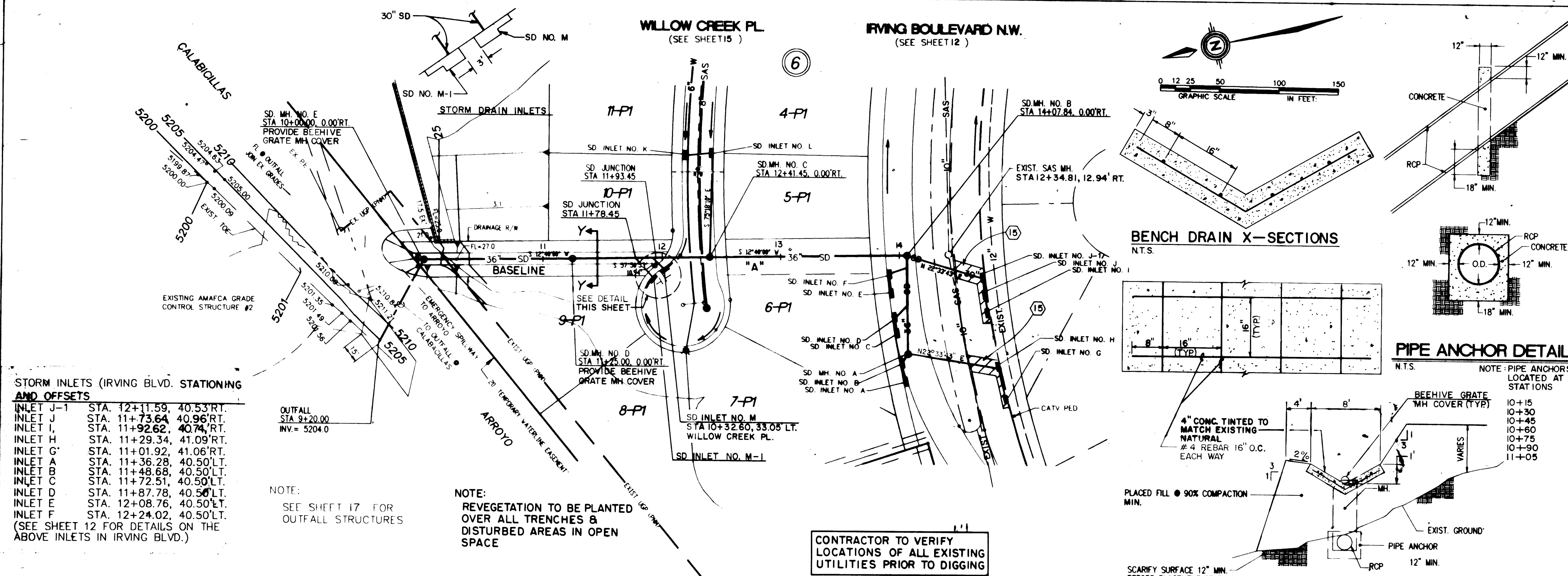
REVISIONS	DATE	BY
DESIGN	AUGUST 1994	T.J.B.
DATE	AUGUST 1994	A.M. / W.L.V.
DATE	AUGUST 1994	DATE

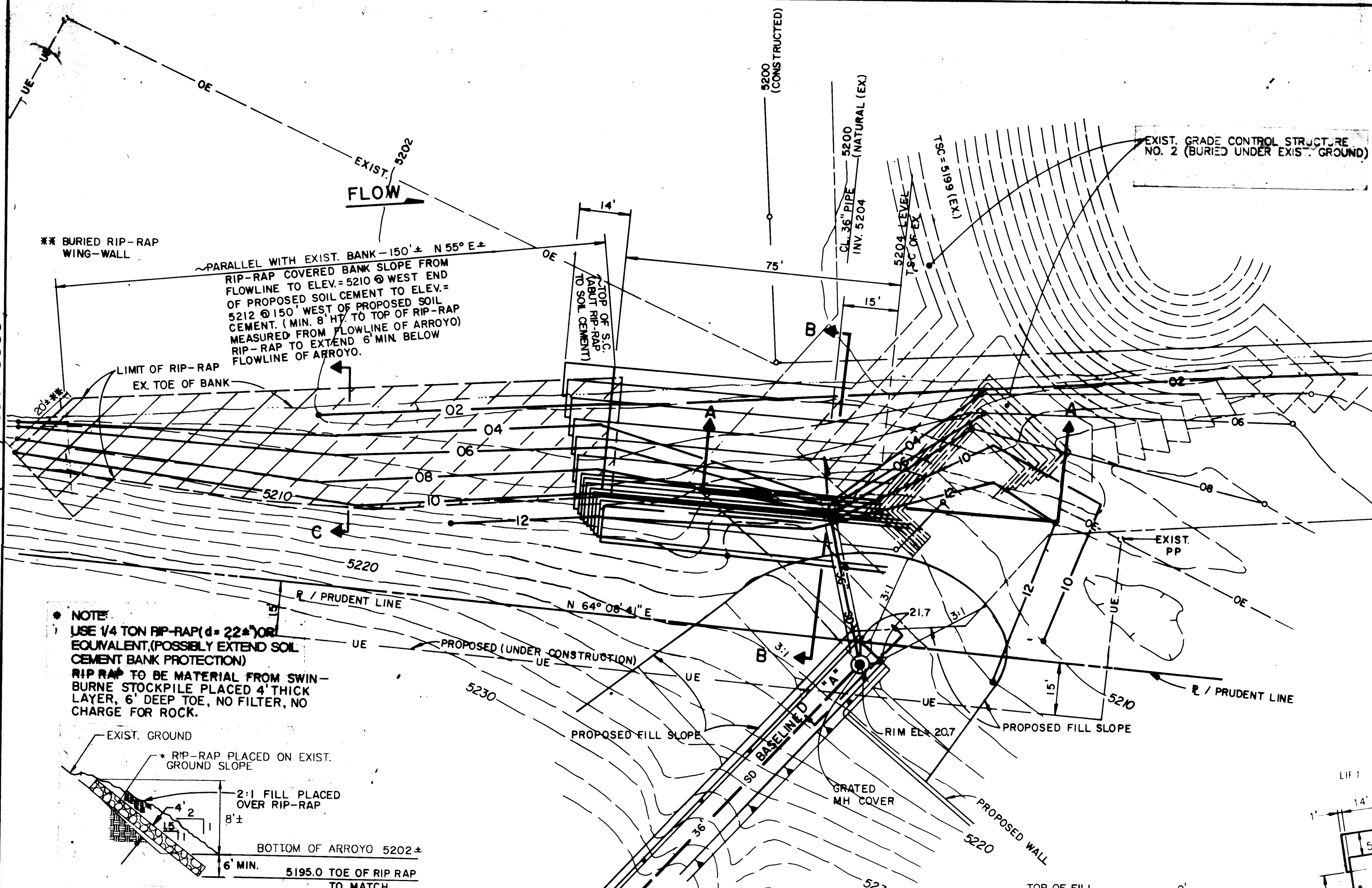
community sciences corporation
L&D PLANNING P.O. Box 1328 ENGINEERING CORRALES, N.M. 87048

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: PARADISE MEADOWS-UNIT 2 UTILITY PLAN & PROFILE WILLOW CREEK DR. & JAROSA CREEK PL. N.W.			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	R.W. Kane	11-10-94	WATER
TRANSPORTATION	R.W. Kane	11-10-94	WASTE WATER
HYDROLOGY	N.A. SANC	12-29-94	N.M.U.I.

PROJECT NO. 4941.91 MAP NO. A-12 SHEET 15 OF 19



[illegible]



SEE SHEETS 8 AND 13 OF 21
AMAFCA, CALABACILLAS ARROYO GRADE
CONTROL STRUCTURES- STRUCTURE NO. 2
REFERENCE PAGES 18 AND 19 OF THESE PLANS

NOTE:
CONTRACTOR TO VERIFY LOCATION OF EXISTING GRADE CONTROL STRUCTURE PRIOR TO TRENCHING TO LAY PIPE

- SOIL CEMENT SHALL BE IN ACCORDANCE WITH SECTION 804 OF THE AMAFCA STANDARD SPECIFICATIONS DATED DEC. 9, 1982.
- NO GRADATION OF SOIL.
- USE 10% CEMENT CONTENT SOIL CEMENT.
- HIGH PRESSURE WASH OF EXISTING SOIL CEMENT SURFACE BEFORE JOINING WITH NEW, BONDING GROUT REQUIRED BETWEEN EXISTING SOIL CEMENT AND NEW SOIL CEMENT.
- SOIL CEMENT AGGREGATE SHALL BE NATIVE MATERIAL FROM THE BOTTOM OF THE CALABACILLAS ARROYO, FROM WHICH THE +1-1/2" MATERIAL HAS BEEN SCALPED, 10% CEMENT BY WEIGHT SHALL BE THE MINIMUM CEMENT CONTENT.
- EXPOSED SOIL CEMENT TO HAVE STEEPED EDGES. THIS WILL REQUIRE OVERBUILDING EACH LIFT, COMPACTING AND TRIMMING EDGE BACK TO COMPLETE SOIL CEMENT, TRIMMED EXCESS MAY BE INCORPORATED IN NEXT LIFT IF LESS THAN 1 1/2 HOURS OLD.
- WORK ADJACENT, TO THE CALABACILLAS ARROYO GRADE CONTROL IS RESTRICTED TO PERIOD ± SEPT. 15 TO JUNE 15. IF THE STORM DRAIN NEEDS TO BE USED PRIOR TO SEPT. 15, THE TEMP. OUT LOT DITCH WILL BE CONSTRUCTED. WHEN THE PERMANENT OUTFALL IS CONSTRUCTED, THIS WILL BE FILED IN AND REVEGETATED.

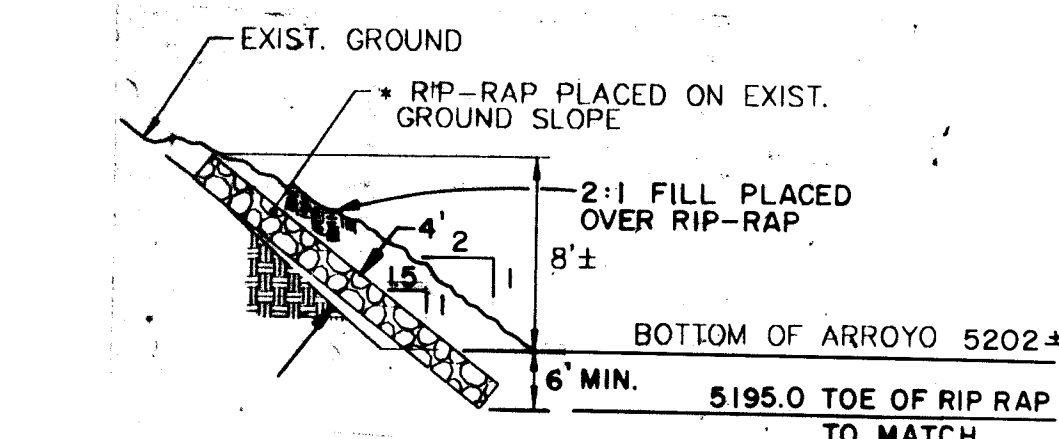
REVEGETATION

- ALL DISTURBED AREAS (EXCEPT IN THE AMAFCA EASEMENT) NORTH AND EAST OF UNIT 1 AND ALL POND AREAS SHALL BE REVEGETATED WITH NATIVE SEED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARDS FOR PUBLIC WORKS CONSTRUCTION SECTION 1012, NATIVE GRASS SEEDING.
- ALL DISTURBED AREAS IN THE AMAFCA EASEMENT SHALL BE SEEDED IN ACCORDANCE WITH THE FOLLOWING MIXTURE AND RATE, AND MULCHED IN ACCORDANCE WITH SECTION 1012, CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

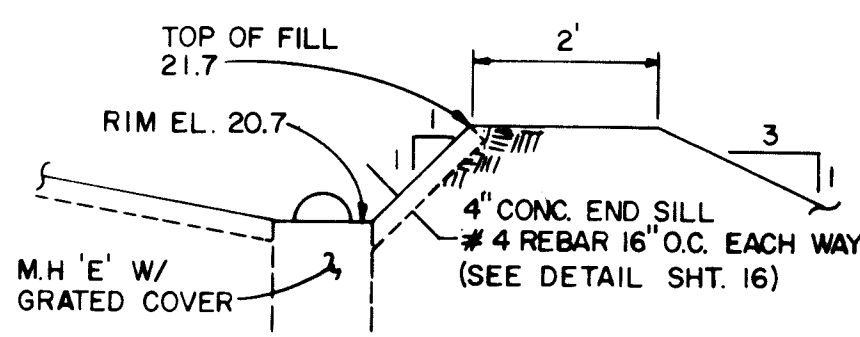
- TUBE PACKS SHALL BE WATERED BY HAND USING A TRUCK WITH A1 HOSE IN ACCORDANCE WITH THE FOLLOWING:
EVERY OTHER DAY FOR 45 DAYS IF PLANTED JUNE - AUGUST.
EVERY THIRD DAY FOR 45 DAYS IF PLANTED SEPTEMBER - MAY.
- 85% OF PLANT MATERIAL TO BE IN A LIVE HEALTHY CONDITION AT THE END OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER.

AMAFCA EASEMENT SEED MIX (DRILL SEED)	RATE/ACRE PLS	WILD FLOWER MIX
"PALOMA" INDIAN RICE GRASS	4.0	EVENING PRIMROSE
"VIVA" GALLETA GRASS	2.5	CALIFORNIA POPPY
"EL RENO" SIDEOTS GRAMA	3.0	CHOCOLATE FLOWER
"HACHITA" BLUE GRAMA	1.0	BACHELOR BUTTON
SAND DROPSEED	.5	OXYE DASY
FOURWING SALT BUSH	1.0	FIREWHEEL
APACHE PLUME	1.0	MEXICAN HAT
RABBITBRUSH	1.0	COREOPSIS
		SKYROCKET
		GAYFEATHER
		PRAIRIE ASTER
		ROCKY MOUNTAIN PENSTEMAN

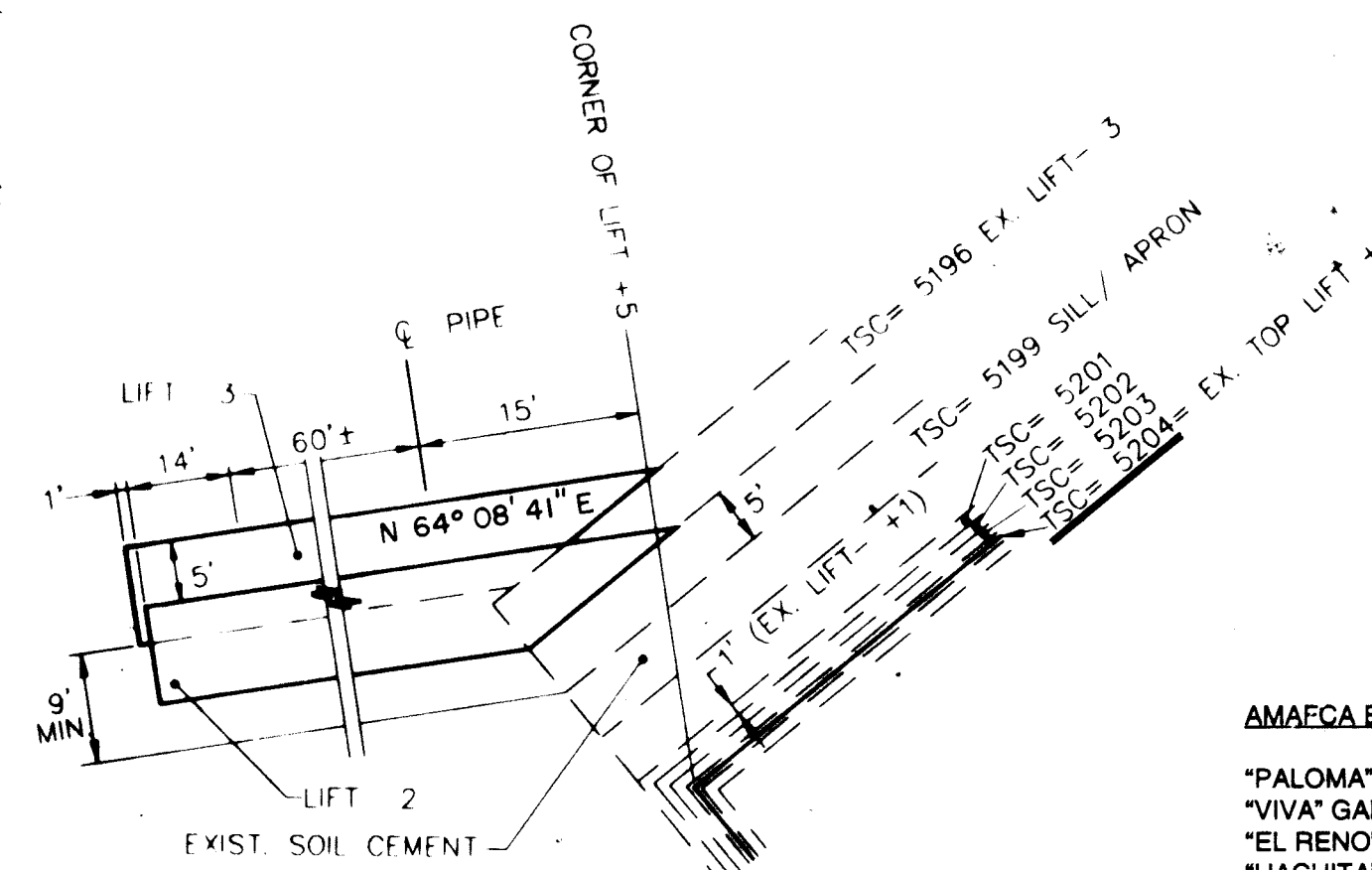
SECTION 'C-C'
N.T.S.



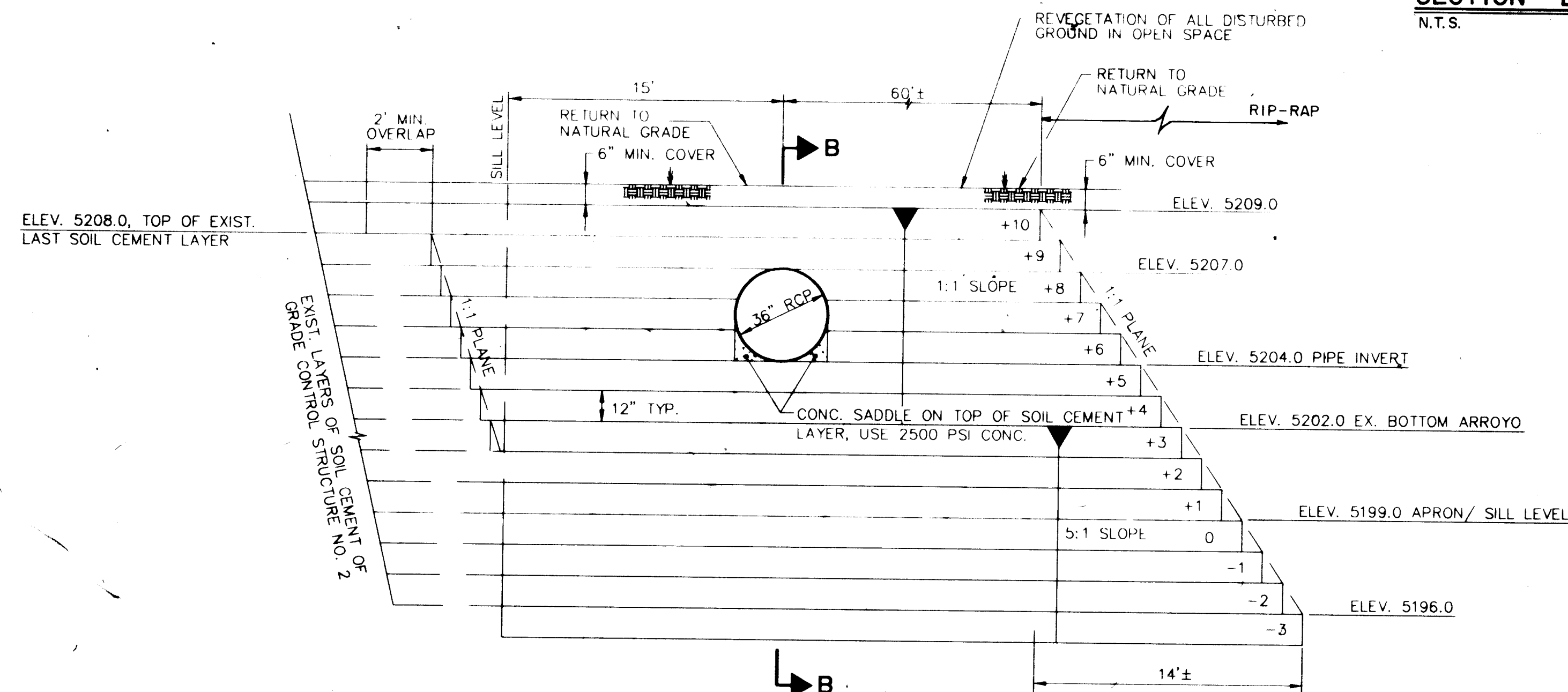
SECTION 'D-D'
N.T.S.



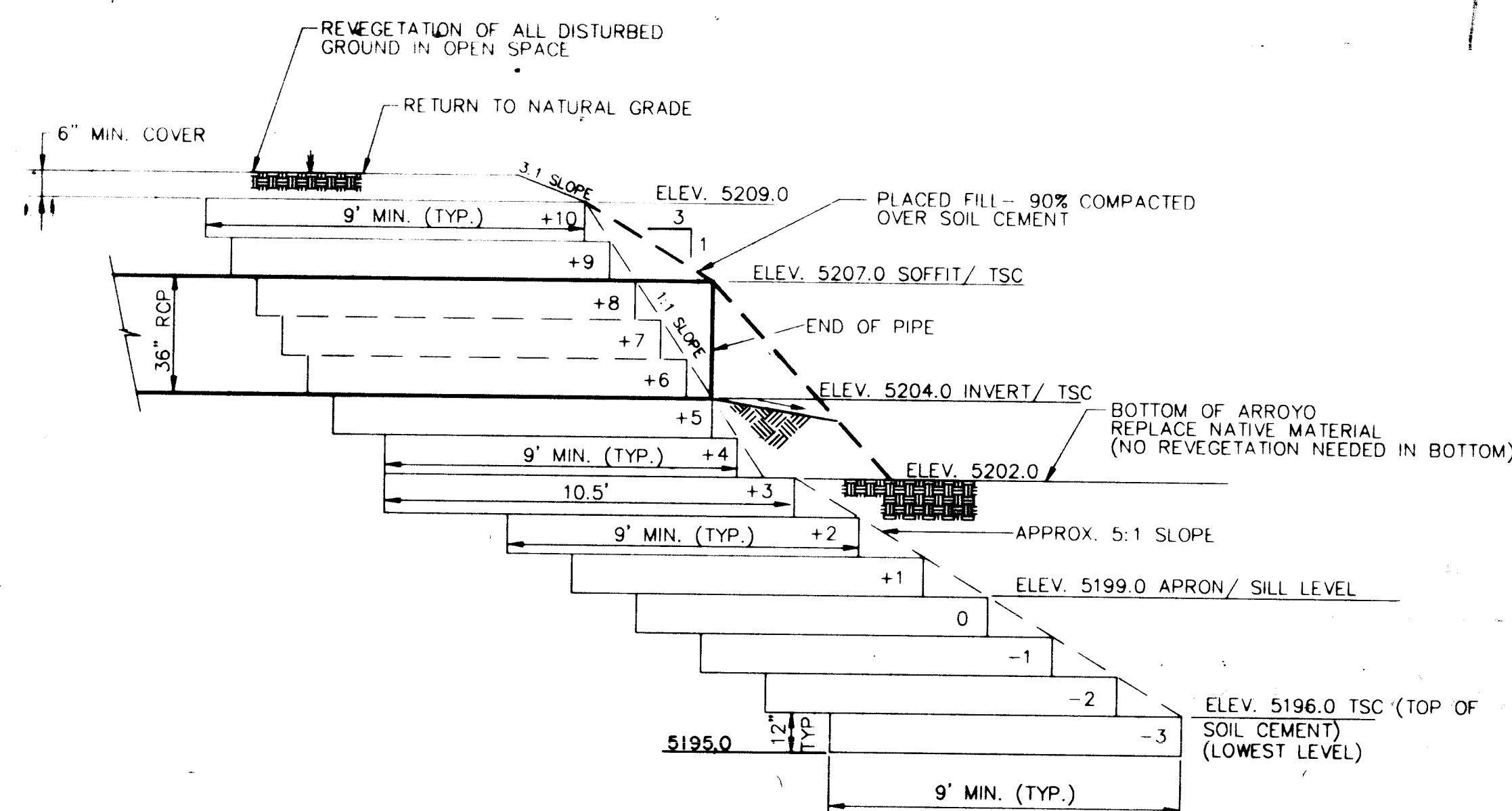
INITIAL LIFT DETAIL
N.T.S.



SECTION 'A-A'
N.T.S.



SECTION 'B-B'
N.T.S.

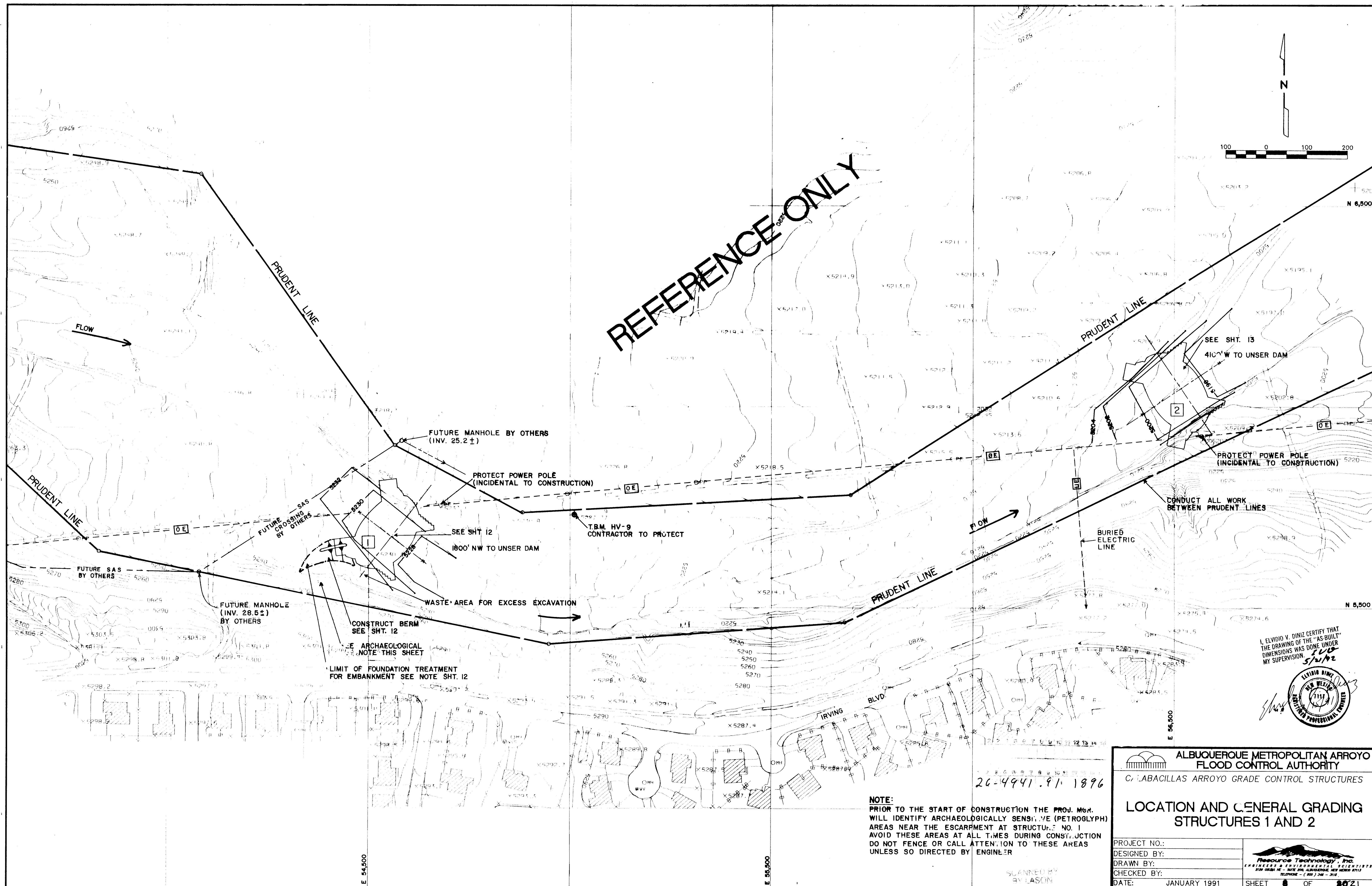


26-4941.91 1796

DATE: SEPT. 1994
 SCALE: AS SHOWN
 DESIGNED: T.J.B.
 DRAWN: A.M.
 JOB NO.: 252-11-057
 LAND PLANNING: P.O. Box 1328
 ENGINEERING: Corrales, N.M. 87048

community sciences corporation

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: PARADISE MEADOWS-UNIT 2 OFFSITE STORM DRAIN STRUCTURE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ag. Amador	12-26-95	WATER	N/A RUIE	11-10-94
TRANSPORTATION	N/A RUIE	12-26-94	WASTE WATER	N/A RUIE	11-10-94
HYDROLOGY	A. Calagone	12-29-94	A.M.A.F.C.A.	Ag. Amador	11-22-94
PROJECT NO.	4941.91	MAP NO.	A-12	SHEET	17 OF 19



I, ELVIDIO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.
5/1/92



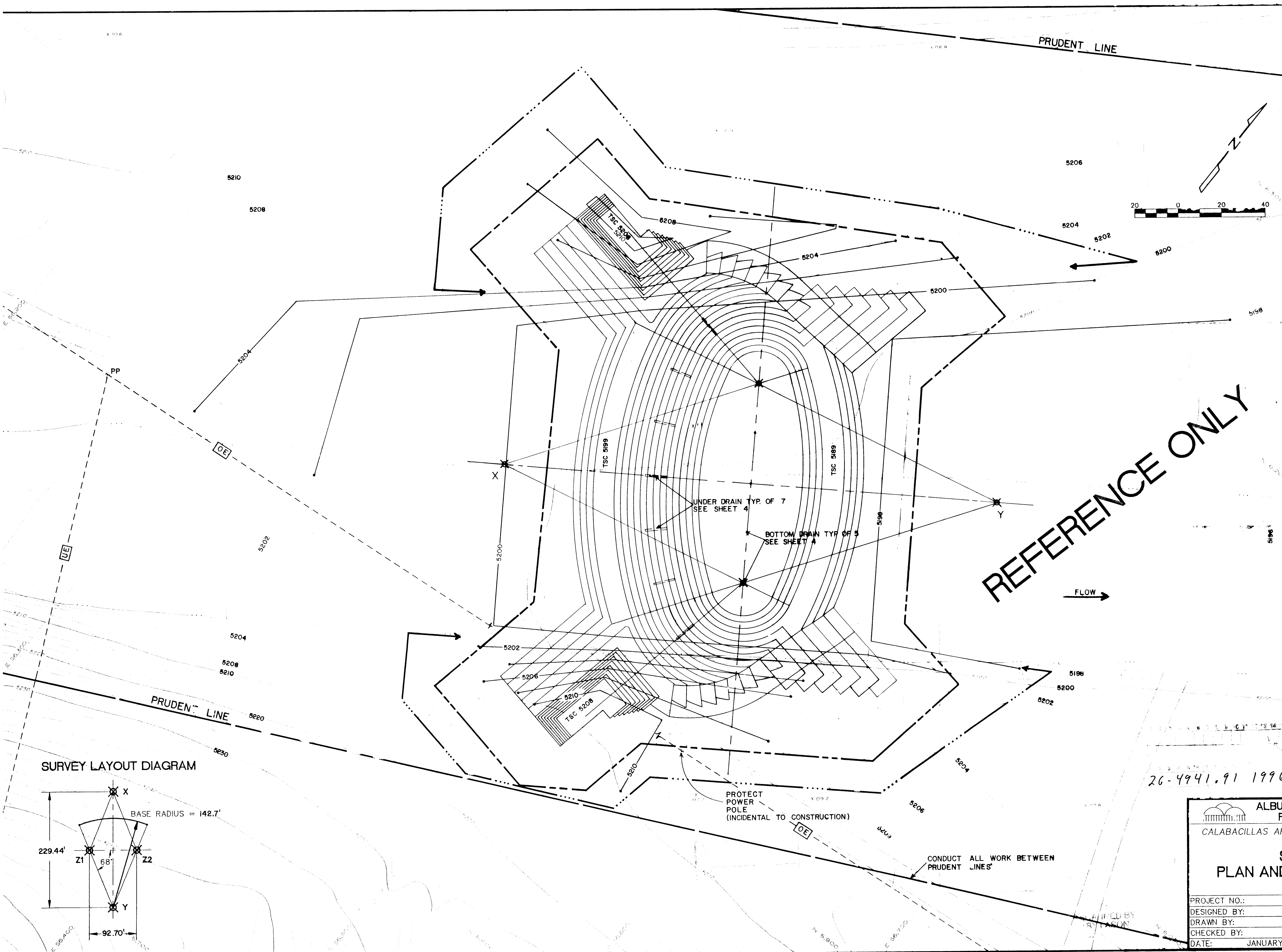
NOTE:
PRIOR TO THE START OF CONSTRUCTION THE PROJ. MGR. WILL IDENTIFY ARCHAEOLOGICALLY SENSITIVE (PETROGLYPH) AREAS NEAR THE ESCARPMENT AT STRUCTURE NO. 1. AVOID THESE AREAS AT ALL TIMES DURING CONSTRUCTION. DO NOT FENCE OR CALL ATTENTION TO THESE AREAS UNLESS SO DIRECTED BY ENGINEER.

26-4941.91 1896

 ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
C. LABACILLAS ARROYO GRADE CONTROL STRUCTURES	
LOCATION AND GENERAL GRADING STRUCTURES 1 AND 2	
PROJECT NO.:	
DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	JANUARY 1991
SHEET 8 OF 2021	



Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
5100 ORLANDO AVE. - SUITE 200, ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 248-3344



SPECIFIC DIMENSIONS: STRUCTURE 2

LENGTHS		
BASE RADIUS	WIDTH	Z1-Z2
142.7	162.0	92.70
ELEVATIONS		
UPPER CREST	LEFT DIKE	RIGHT DIKE
5199.0	5208.0	5208.0
PROJECT COORDINATES		
PT X	5980.88	56419.93
PT Y	6109.20	56610.00
BM 10	7501.78	53383.40
BEARINGS / DISTANCES		
BM -> X	S 63d 23' 33" E	3396.20
X -> Y	S 55d 56' 04" E	229.44

ESTIMATED QUANTITIES: STRUCTURE 2

UNCLASSIFIED EXCAVATION	CY	14078
COMPACTED FILL	CY	4377
UNCOMPACTED FILL	CY	9069
SOIL CEMENT	CY	3115
LEAN CONCRETE	CY	0
RESEEDING AREA	AC	0.8
DRAINAGE PIPE	LF	84

I, ELVIDIO V. DINIZ CERTIFY THAT
THE DRAWING OF THE "AS BUILT"
DIMENSIONS WAS DONE UNDER
MY SUPERVISION.
5/1/92



26-4941.91 1996



**ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY**
CALABACILLAS ARROYO GRADE CONTROL STRUCTURES

**STRUCTURE 2
PLAN AND DETAILED GRADING**

PROJECT NO.:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE: JANUARY 1991



Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
1715 CHASE AVE., SUITE 200 ALBUQUERQUE, NEW MEXICO 87113
TELEPHONE - (505) 348-3118

SHEET **13** OF **20**