

CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

PLANS FOR CONSTRUCTION OF
NORTH VALLEY
SEWER SYSTEM EXTENSION
VACUUM COLLECTION SYSTEM
LINE "D"

PROJECT NUMBER 4688.96
AUGUST, 1996

RECORD DRAWING
Date: 4-28-97

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Ray A. Green
DATE 6-13-97

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26-4688.96 0197


MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	* * * * *	
		DRC Chairman		<i>Ken Buck</i>	8-29-96	APPROVED FOR CONSTRUCTION City Engineer _____ Date _____	
		Transportation		<i>A.P.</i>			
		Water/Wastewater		<i>Ray A. Green</i>	8-22-96		
		Hydrology		<i>A.P.</i>			
		Parks		<i>A.P.</i>			
		Constr. Mngmt.		<i>A.P.</i>			
Village		<i>Ray A. Green</i>	8-22-96				
City Project No.		4688.96		Sheet 1 Of 13			

VICINITY MAP

NTS

LEGEND

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INDEX

SHEET NUMBER	DRAWING TITLE
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GENERAL

1	TITLE SHEET
2	INDEX, VICINITY MAP, LEGEND
3	GENERAL NOTES
4	GENERAL LAYOUT & SHEET LOCATION MAP
5	LINE "D" BASELINES

CIVIL

6	PASEO DEL NORTE ROW - LINE "D"
7	PASEO DEL NORTE ROW - LINE "D"
8	RIO GRANDE BOULEVARD - LINE "D"
9	RIO GRANDE BOULEVARD - LINE "D"
10	UNNAMED EASEMENT, LINE D1
11	ORTEGA ROAD, LINE D2
12	CIVIL DETAILS
13	STRIPING & RPM DETAILS

RECORD DRAWING

Date: 4-28-97

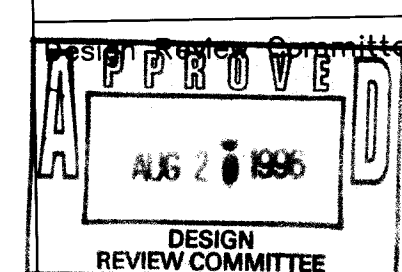
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:	NVSSE - VACUUM COLLECTION INDEX, VICINITY MAP, LEGEND
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City Engineer Approval

R/R
8/29/94

Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4688.96	Zone Map No. C-14,C-15	Sheet 2	of 13
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AS BUILT INFORMATION	CONTRACTOR	CENTREE	INSTRUCTION
WORK	DESIGNED BY	Carmichael	
DATE	VERIFICATION DATE	1976	
FIELD	ACCEPTANCE BY	K. W. FAULCONER	
DATE	DATE	5-27	
RECORDED BY	DATE	6-77	
MICRO-FILM INFORMATION			
NO.			

[illegible][illegible]

GENERAL NOTES

MISCELLANEOUS

1. WORK DETAILLED ON THESE PLANS IS TO BE PERFORMED UNDER THE CONTRACT AND SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION OF THE "CITY OF ALBUQUERQUE (COA), STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" THROUGH UPDATE #6.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD) AT 247-0234 TO PROVIDE NOTICE OF THE SCHEDULE FOR CONSTRUCTION AT/OR NEAR MRGCD DRAINS OR LATERALS.
3. ANY WORK TO BE PERFORMED WITHIN THE MRGCD RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH MRGCD; CALL 247-0234.
4. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, MRGCD BETWEEN MARCH 1 AND OCTOBER 31, INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY MRGCD IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE MRGCD FACILITY. ALL WORK TO BE DONE WITHIN MRGCD FACILITIES MUST BE APPROVED BY THE MRGCD ENGINEER PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN MRGCD RIGHT-OF-WAY THAT MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE MRGCD FACILITY.
6. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN MRGCD RIGHT-OF-WAY.
7. THE CONTRACTOR IS REQUIRED TO OBTAIN AN EXCAVATION PERMIT FROM THE VILLAGE OF LOS RANCHOS PRIOR TO THE START OF ANY WORK WITHIN VILLAGE RIGHT-OF-WAY. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF LOS RANCHOS DE ALBUQUERQUE FIRE MARSHALL AND THE BERNALILLO COUNTY SHERIFF DEPARTMENT IN WRITING, A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY STREET CLOSURES AND PRIOR TO ANY WORK WITHIN VILLAGE RIGHT-OF-WAY.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
9. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO DISPOSE OF ALL WATER FROM TRENCH DEWATERING ACTIVITIES (IF ANY) IN A PLACE AND IN A MANNER THAT WILL NOT CREATE A NUISANCE OR HARM PUBLIC OR PRIVATE PROPERTY. IF SUCH WATER IS TO BE DISPOSED OF IN DITCHES OR DRAINS UNDER THE JURISDICTION OF MRGCD, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH MRGCD FOR THE USE OF THESE DITCHES OR DRAINS.
10. NEW SEWER SERVICE LINE LOCATIONS SHALL BE CONFIRMED BY THE ENGINEER AND PROPERTY OWNER IN THE FIELD AT THE TIME OF CONSTRUCTION. VACUUM SUMP AND VALVE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF THE ENGINEER. AS BUILT INFORMATION PROVIDED BY THE CONTRACTOR SHALL INCLUDE THE ADDRESS, INVERT ELEVATION, AND THE STATION AND HORIZONTAL OFFSET OF THE SEWER SERVICE FROM THE PUBLIC SEWER LINE.
11. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FROM BASELINES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR AS DETERMINED IN THE FIELD BY THE ENGINEER. REESTABLISHMENT OF LOST, MISSING, OR DISTURBED REFERENCE POINTS SHALL BE PERFORMED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
12. ANY EXISTING FENCES AND WALLS DAMAGED OR REMOVED BY THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES SHALL BE REINSTALLED OR REPLACED BY THE CONTRACTOR TO AN EQUAL OR BETTER CONDITION AT CONTRACTOR'S EXPENSE.
13. CONTRACTOR SHALL RESTORE ACCESS TO ALL PROPERTIES AT THE END OF EACH WORKING DAY.
14. ALL TRENCHING AND BACKFILLING WILL BE DONE IN ACCORDANCE WITH SECTION 700 OF THE LATEST REVISIONS OF "CITY OF ALBUQUERQUE (COA), STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986".
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRENCHES IN A SAFE CONDITION.
16. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY WORK CREWS.
17. ALL PERMANENT AND CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CITY OF ALBUQUERQUE PRIOR TO THE BEGINNING OF CONSTRUCTION.
18. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE ENGINEER. WORK MATERIALS SHALL BE DISPOSED OF IN CITY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.
19. THREE PROJECT CONSTRUCTION SIGNS SHALL BE ERRECTED. LOCATE TWO SIGNS ON RIO GRANDE AVE., WITH ONE SIGN LOCATED AT ORTEGA ROAD FACING SOUTH-BOUND TRAFFIC AND THE OTHER LOCATED AT PASEO DEL NORTE FACING NORTH-BOUND TRAFFIC. LOCATE THE THIRD SIGN ON ORTEGA ROAD JUST EAST OF THE ALBUQUERQUE MAIN CANAL FACING WEST-BOUND TRAFFIC.
20. THE CONTRACTOR SHALL MAINTAIN POSTAL SERVICE FACILITIES IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.S. POSTAL SERVICE. MAILBOXES SHALL BE TEMPORARILY RELOCATED, THEN REPLACED AT THE COMPLETION OF THE WORK IN EACH AREA IN THEIR ORIGINAL LOCATION IN A MANNER SATISFACTORY TO THE U.S. POSTAL SERVICE.
21. THERE ARE NUMEROUS COTTONWOOD TREES THROUGHOUT THE PROJECT AREA. THE CONTRACTOR MAY NOT CUT COTTONWOOD TREE ROOTS THAT ARE GREATER THAN 2 INCHES IN DIAMETER.
22. THE CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF ENGINEER AND SHALL NOTIFY ENGINEER AND SHALL BEAR THE EXPENSE OF REPLACEMENT ANY THAT MAY BE DISTURBED WITHOUT PERMISSION.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN, WHICH WILL BE SUBMITTED TO THE ENGINEER AND APPROPRIATE REPRESENTATIVES OF THE VILLAGE OF LOS RANCHOS FOR REVIEW AND ACCEPTANCE PRIOR TO THE INITIATION OF ANY CONSTRUCTION ACTIVITIES.
2. THE TRAFFIC CONTROL PLAN SHALL ITEMIZE THE TYPE AND NUMBER OF TRAFFIC CONTROL SIGNS THAT WILL BE REQUIRED IN EACH PHASE OF CONSTRUCTION.

UTILITIES

3. A MINIMUM OF TWO(2) WORKING DAYS, BUT NOT MORE THAN TWENTY (20) WORKING DAYS PRIOR TO ANY EXCAVATION AT A PARTICULAR LOCATION, THE CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
2. EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. NOTE THAT ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY OWNERS, AND CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND RELATED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING ABOVEGROUND AND UNDERGROUND UTILITY LINES.
3. ALL WATER VALVE BOXES AND SEWER MANHOLES WITHIN PAVEMENT AREAS ARE TO BE ADJUSTED TO FINISH GRADE PER COA STANDARD DETAILS.
4. IN ADVANCE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING WHETHER OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. COST FOR SAID WORK WILL BE PAID FROM THE UTILITY RELOCATION ALLOWANCE PROVIDED IN THE BID PROPOSAL.
5. THE CONTRACTOR SHALL COORDINATE ANY WATER VALVE SHUT-OFF OPERATION WITH THE WATER SYSTEMS DIVISION (857-8200) NOT LESS THAN FIVE (5) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. WATER SERVICE SHALL BE MAINTAINED TO ALL CUSTOMERS DURING CONSTRUCTION.
6. MOST OF THE WATERLINE IN THE AREA IS AC PIPE. THE CONTRACTOR SHALL AVOID EXISTING WATERLINES TO THE EXTENT POSSIBLE. IF WATERLINE IS TO BE REMOVED & REPLACED, IT SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS OF THE CONTRACT DOCUMENT OR AS DIRECTED BY THE ENGINEER. ANY AC PIPE THAT MUST BE REMOVED AND DISPOSED OF IS TO BE DISPOSED IN A MANNER AND LOCATION THAT HAS BEEN APPROVED BY THE APPROPRIATE AUTHORITIES.
7. THE CONTRACTOR SHALL NOTIFY PUBLIC WORKS, WATER SYSTEMS DIVISION (857-8200) AND THE VILLAGE OF LOS RANCHOS FIRE DEPARTMENT AT LEAST THREE WORKING DAYS IN ADVANCE OF ANY DAY FIRE HYDRANTS WILL BE TAKEN OUT OF AND RETURNED TO SERVICE.
8. CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. EXPOSED CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER. COST FOR SAID WORK WILL BE PAID FROM THE UTILITY RELOCATION ALLOWANCE PROVIDED IN THE BID PROPOSAL.
9. THE CONTRACTOR SHALL SUPPORT AND MAINTAIN THE INTEGRITY OF ALL GAS LINES. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS WORK. GAS LINES THAT MUST BE RELOCATED ARE TO BE COORDINATED WITH THE UTILITY OWNER FOR RELOCATION AND WILL BE PAID FROM THE UTILITY RELOCATION ALLOWANCE PROVIDED IN THE BID PROPOSAL.
10. ALL ABANDONED UTILITY LINES THAT ARE EXPOSED AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
11. ALL TEMPORARY WATERLINE AND TEMPORARY CAPPING AND BLOCKING OF EXISTING WATERLINE REQUIRED FOR THE INSTALLATION OF ANY TEMPORARY WATERLINE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
12. VACUUM MAIN LOCATIONS SHOWN ON THE PLAN AND PROFILE SHEETS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS IF APPROVED BY THE ENGINEER.
13. CAPPING AND MARKING OF SERVICE LINES SHALL BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DETAIL DRAWING NO. 2720.
14. VACUUM MAIN TRENCHES SHALL BE A MINIMUM OF 10 FEET FROM ELECTRIC POWER POLES, ANCHORS AND TRENCHES. WHERE TRENCHES WILL BE LESS THAN 10' FROM ELECTRIC POWER POLES, ANCHORS AND TRENCHES CONTRACTOR SHALL PROVIDE AT LEAST A 5 FOOT RADIUS OF UNDISTURBED SOIL AROUND THE AFFECTED STRUCTURE.

PAVING

1. ALL PAVEMENT REMOVAL AND REPLACEMENT WILL BE DONE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DETAIL DRAWING NO. 2465 ON RIO GRANDE, 2405 ON ORTEGA ROAD AND PAVEMENT DETAILS PROVIDED IN THE DRAWINGS.
2. STREET CENTERLINE GRADES AND CROSS SLOPES (CROWNS) SHALL BE RESTORED BY THE CONTRACTOR TO EXISTING CONDITIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN STREET CROSS SECTION DATA AT 25' STATIONS AND SUBMIT SAID SURVEY NOTES TO THE ENGINEER PRIOR TO START OF CONSTRUCTION. CROSS SECTION NOTES SHALL BE USED BY THE CONTRACTOR DURING STREET RESTORATION TO REESTABLISH EXISTING CENTERLINE GRADES AND CROSS SECTIONS. MINOR ADJUSTMENTS TO THE STREET GRADES MAY BE NECESSARY AND WILL BE DIRECTED BY THE ENGINEER. MINOR ADJUSTMENTS TO STREET GRADES WILL BE CONSIDERED INCIDENTAL TO THE PAVING BID ITEMS. SMOOTH TRANSITIONS SHALL BE MAINTAINED ON EXISTING PAVEMENT. PAVEMENT TO REMAIN IN PLACE AND PAVEMENT THAT IS BEING REPLACED, WHEN ABUTTING NEW PAVEMENT TO EXISTING, TRIM EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. TRAFFIC CONTROL DEVICES, INCLUDING PAVEMENT MARKINGS, MUST BE RESTORED TO THE SAME OR BETTER CONDITION AS BEFORE CONSTRUCTION. ANY EARTHWORK NECESSARY TO COMPLETE THE PAVING SECTIONS REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE PAVING BID ITEM, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
3. PAVEMENT MARKING ON RIO GRANDE BLVD., INCLUDING PAINT STRIPES AND REFLECTORIZING SHALL BE PROVIDED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND PAID FOR UNDER THEIR DESIGNATED ITEMS IN THE BID PROPOSAL.

4. HEATER-REPAVING SHALL BE PROVIDED ON RIO GRANDE BLVD. FROM STA. 26+70.00 (BASELINE D) TO STA. 44+78 (BASELINE D).
5. HEATER-REPAVING WILL CONSIST OF HEATING AND SCARIFYING 3/4" OF EXISTING PAVEMENT AND SIMULTANEOUS APPLICATION OF A NEW 1-1/2" THICK SURFACE COURSE IN ACCORDANCE WITH SECTIONS 116, 332 AND 336 OF THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986". PAVEMENT MIX FOR OVERLAY SHALL BE ARTERIAL, TYPE B.

PUBLIC NOTICES AND COORDINATION

SPECIAL NOTICES:

HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE OR BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, WATER SERVICE, GAS SERVICE, AND OTHER SERVICES TO THEIR PROPERTY WILL BE IMPAIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING:

BEFORE CONSTRUCTION:

1. SPECIAL NOTICES SHALL BE DELIVERED NOT MORE THAN SEVEN CALENDAR DAYS NOR LESS THAN FOUR CALENDAR DAYS PRIOR TO THE ACTUAL PHYSICAL CONSTRUCTION THAT WILL EFFECT THE PROPERTY.
2. CORRECTED NOTICES ARE TO BE DELIVERED IF CONSTRUCTION DOES NOT START WITH 48 HOURS OF DATE GIVEN IN NOTICE.
3. THE WRITTEN NOTICE IS TO STATE:
 - A. CONTRACTOR'S NAME, ADDRESS, AND LOCAL TELEPHONE NUMBER.
 - B. NATURE OF WORK TO BE DONE.
 - C. TYPE OF DISRUPTION RESIDENCES OR BUSINESSES MIGHT EXPECT.
 - D. EXPECTED DURATION OF CONSTRUCTION.
 - E. CONTRACTOR'S LOCAL TELEPHONE NUMBER TO WHICH COMPLAINTS MAY BE MADE DURING NORMAL WORKING HOURS.
 - F. CONTRACTOR'S LOCAL TELEPHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NON-WORKING PERIODS.

DURING CONSTRUCTION:

AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO THE INSTALLATION OF EACH SERVICE LINE, THE CONTRACTOR SHALL DISTRIBUTE A WRITTEN NOTICE TO EACH EXISTING RESIDENCE OR BUSINESS TO BE SERVICED BY THE LINE. SUCH NOTICE SHALL:

1. GIVE ADDRESS OF THE HOUSE OR BUSINESS TO BE SERVED.
2. STATE THAT A SEWER LINE SERVICE IS TO BE INSTALLED FOR THAT HOUSE OR BUSINESS.
3. INCLUDE A SKETCH WHICH CLEARLY SHOWS THE TERMINATION POINT OF THE PROPOSED SERVICE LINE.
4. REQUEST THE RESIDENT OR BUSINESS OWNER REVIEW THE PROPOSED LOCATION TO DETERMINE IF IT IS SATISFACTORY.
5. REQUEST THE OCCUPANT OF THE HOUSE OR BUSINESS TO IMMEDIATELY FORWARD THE NOTICE TO THE PROPERTY OWNER IF THEY DO NOT OWN THE PROPERTY SO THE OWNER MAY REVIEW THE NOTICE. COPIES OF THE NOTICES AND SKETCHES SHALL BE KEPT BY THE CONTRACTOR AND COPIES SHALL BE SENT TO THE ENGINEER AT THE SAME TIME THEY ARE DISTRIBUTED.

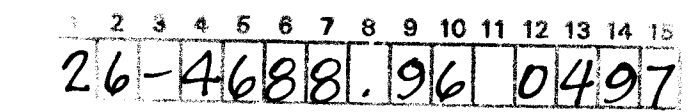
PARCELS OF LAND WHERE A RESPONSE HAS NOT BEEN RECEIVED OR PARCELS OF LAND UNOCCUPIED OR UNDEVELOPED WILL BE FURNISHED A SEWER SERVICE CONNECTION AT THE LOCATION SELECTED BY THE CONSTRUCTION PROJECT ENGINEER AND IN ACCORDANCE WITH THE CURRENT COA STANDARD SPECIFICATIONS.

RECORD DRAWING

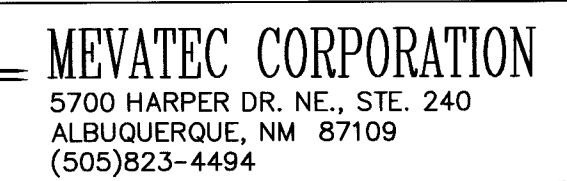
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	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP						
	TITLE:	NVSSE — VACUUM COLLECTION					
		GENERAL NOTES					
	Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.		
	 AUG 29 1986	<i>RJL</i> 7/29/80					
	City Project No. 4688.96	Zone Map No. C-14,C-15	Sheet 3	of 13			



Date: 4-28-97



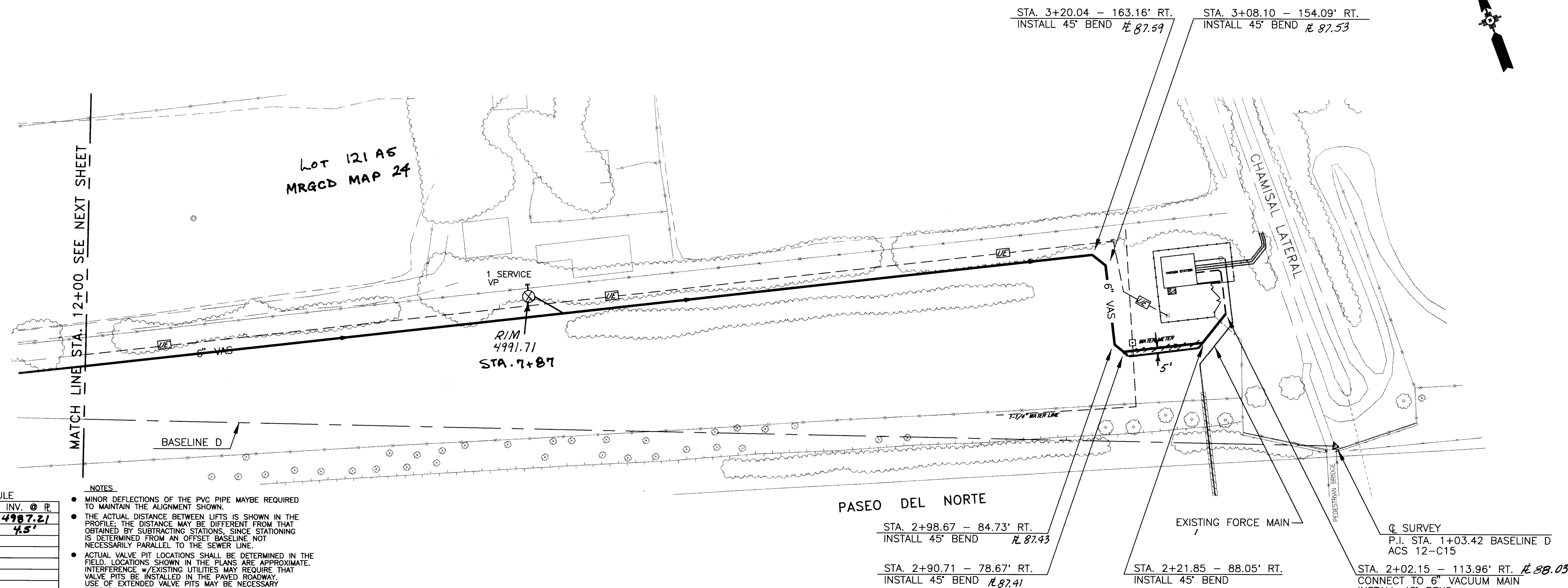
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:	NVSSE - VACUUM COLLECTION GENERAL LAYOUT & SHEET LOCATION MAP
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Design Review Committee 	City Engineer Approval  8/29/96	Last Design Update 	Mo./Day/Yr. 	Mo./Day/Yr.
City Project No. 4688 96	Zone Map No. C-14, C-15	Sheet 4	of 13	

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES						
NO.	BY	DATE			CONTRACTOR	
1	GMA, INC.	8/94	ACS 12-C15 LOCATED 3.05 MILES WEST OF I-25/PASEO DEL NORTE INTERSECTION TO A PEDESTRIAN		STARTED BY <i>Charmely Sanchez</i> DATE <i>1996</i>	
2	GROUND CONTROL	7/94	BRIDGE. THE BENCHMARK IS IN THE NE QUADRANT OF THIS INTERSECTION.		INSPECTOR'S FIELD JANCE BY <i>Rob Hawley</i> DATE <i>5/97</i>	
	KOOGLE & POULS		ELEV. 5003.345		VERIFICATION BY <i>R. GREEN</i> DATE <i>5/97</i>	
	PHOTOGRAMMETRY				CORRECTED BY <i>R. GREEN</i> DATE <i>6/97</i>	
					<i>MICRO-FILM INFORMATION</i>	
					RECORDED BY _____ DATE _____	
					NO. _____	

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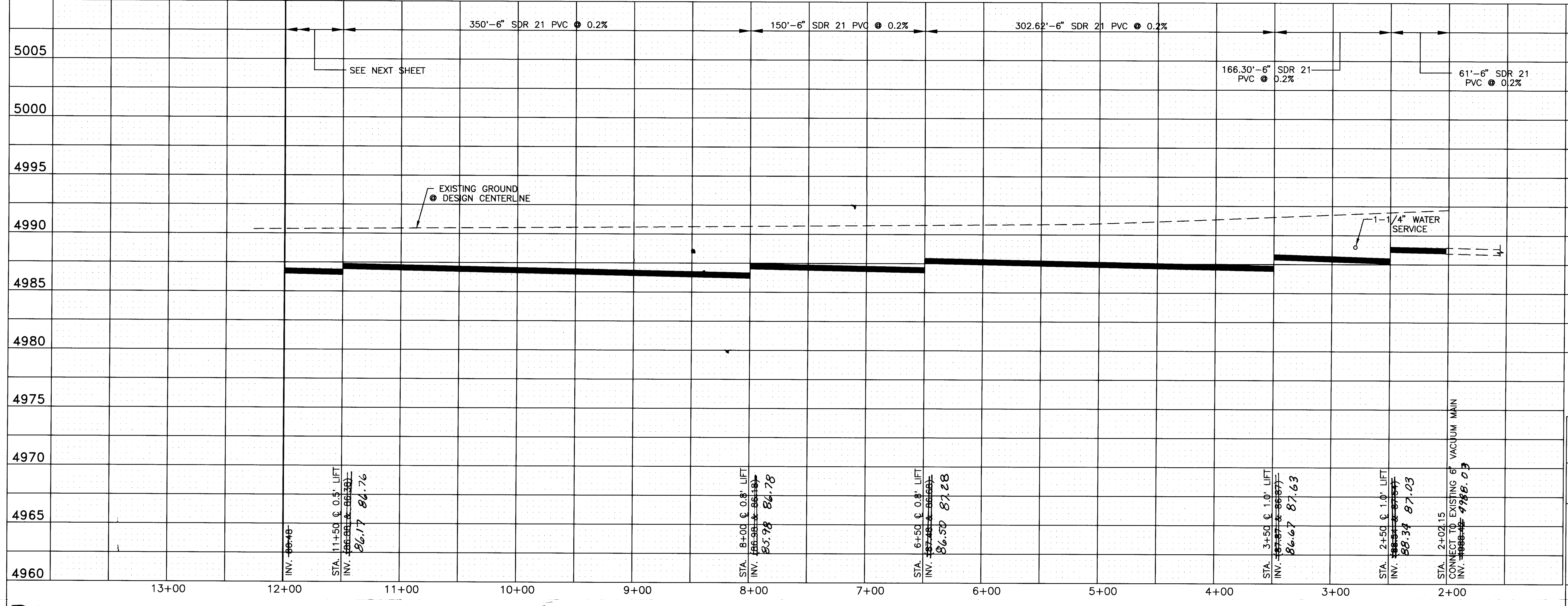


SEWER SERVICE SCHEDULE		
LOCATION	ADDRESS	INV. @ P
STA 7+87	LOT 121A5 MRQCD MAP 24	4987.21 4.5'

- NOTES:
- MINOR DEFLECTIONS OF THE PVC PIPE MAYBE REQUIRED TO MAINTAIN THE ALIGNMENT SHOWN.
 - THE ACTUAL DISTANCE BETWEEN LIFTS IS SHOWN IN THE PROFILE; THE DISTANCE MAY BE DIFFERENT FROM THAT OBTAINED BY SUBTRACTING STATIONS, SINCE STATIONING IS DETERMINED FROM AN OFFSET BASELINE NOT NECESSARILY PARALLEL TO THE SEWER LINE.
 - ACTUAL VALVE PIT LOCATIONS SHALL BE DETERMINED IN THE FIELD. LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. INTERFERENCE W/EXISTING UTILITIES MAY REQUIRE THAT VALVE PITS BE INSTALLED IN THE PAVED ROADWAY. USE OF EXTENDED VALVE PITS MAY BE NECESSARY DEPENDING ON SERVICE LINE DEPTH REQUIREMENTS.
 - PROVIDE 3' MINIMUM COVER OVER NEW VACUUM MAINS. FIELD CONDITIONS MAY REQUIRE ADJUSTMENTS IN THE LOCATION AND MAGNITUDE OF PIPE LIFTS.
 - ALL EXISTING WATER VALVE BOXES AND MANHOLE COVERS TO BE ADJUSTED TO FINISH GRADE.

* CONTRACTOR SHALL PROVIDE ADDRESSES ON AS-BUILTS DRAWINGS.

PASEO DEL NORTE ROW - LINE "D"



RECORD DRAWING
Date: 4-28-97

SCANNED BY
BY LASON

26-4688.96 0697

MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

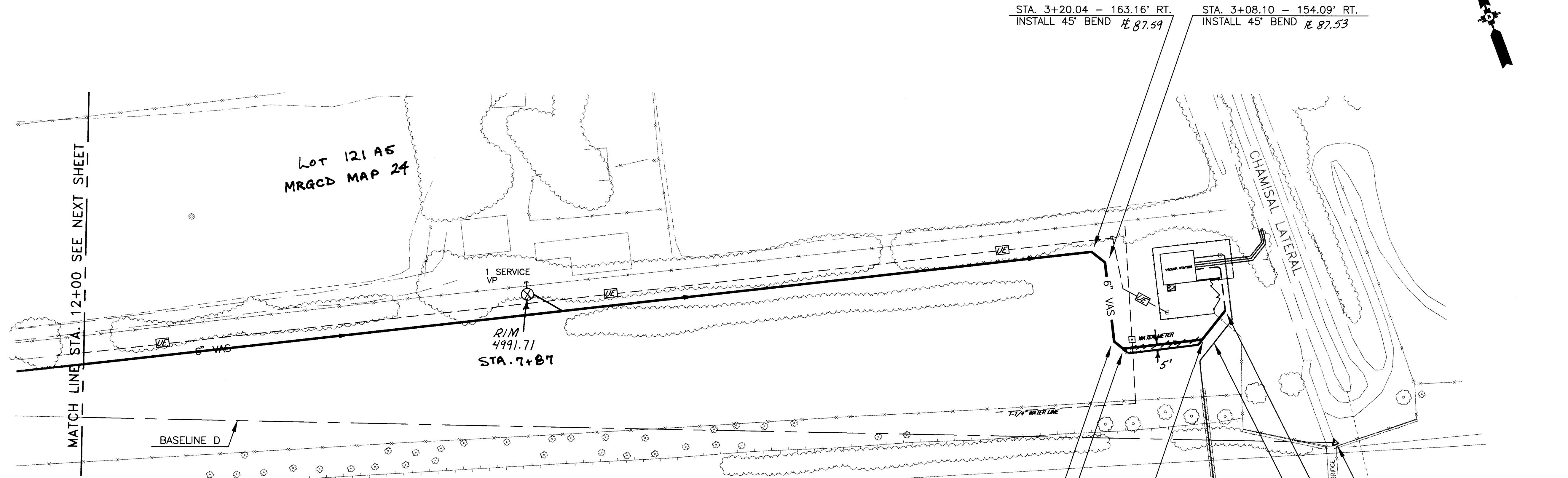
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NVSSE - VACUUM COLLECTION
PASEO DEL NORTE ROW - LINE "D"

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4688.96 Zone Map No. C-15 Sheet 6 of 13

ENGINEER'S SEAL		FIELD NOTES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				NO.	BY	ACS 12-C15	LOCATED 3.05 MILES WEST OF I-25/PASEO DEL NORTE INTERSECTION TO A PEDESTRIAN BRIDGE. THE BENCHMARK IS IN THE NE QUADRANT OF THIS INTERSECTION.	ELEV. 5003.345	PHOTOGRAMMETRY
		NO.		DATE		WORK		CONTRACTOR	
		1		8/94		GMA, INC.		STAGED BY	
		2		7/94		GROUND CONTROL		ACCEPTANCE BY	
						KOOGLE & POULS		DATE	
						REVISIONS		DATE	
						DESIGN		DATE	
						CHECKED BY		DATE	
				RM		08/28/96			
				PC		05/28/96			
				RH		DATE			
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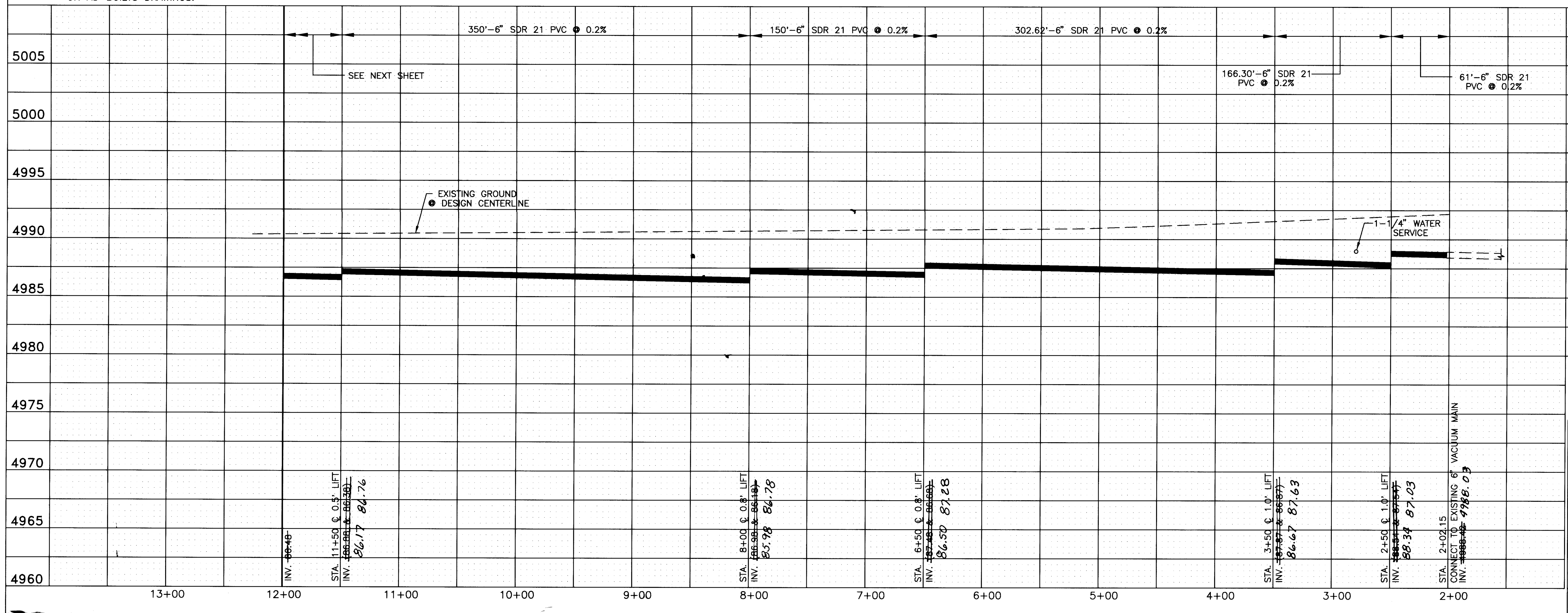


SEWER SERVICE SCHEDULE		
LOCATION	ADDRESS	INV. @ R
STA. 7+87	LOT 121 AS MRCD MAP 24	4987.21 4.5'

- NOTES
- MINOR DEFLECTIONS OF THE PVC PIPE MAYBE REQUIRED TO MAINTAIN THE ALIGNMENT SHOWN.
 - THE ACTUAL DISTANCE BETWEEN LIFTS IS SHOWN IN THE PROFILE. THE DISTANCE MAY BE DIFFERENT FROM THAT OBTAINED BY SUBTRACTING STATIONS, SINCE STATIONING IS DETERMINED FROM AN OFFSET BASELINE NOT NECESSARILY PARALLEL TO THE SEWER LINE.
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 - ALL EXISTING WATER VALVE BOXES AND MANHOLE COVERS TO BE ADJUSTED TO FINISH GRADE.

* CONTRACTOR SHALL PROVIDE ADDRESSES ON AS-BUILTS DRAWINGS.

PASEO DEL NORTE ROW - LINE "D"



PASEO DEL NORTE

STA. 2+98.67 - 84.73' RT.
INSTALL 45° BEND $\angle 87.43$

STA. 2+90.71 - 78.67' RT.
INSTALL 45° BEND $\angle 87.41$

STA. 2+21.85 - 88.05' RT.
INSTALL 45° BEND

EXISTING FORCE MAIN

Q SURVEY
P.I. STA. 1+03.42 BASELINE D
ACS 12-C15

STA. 2+02.15 - 113.96' RT. $\angle 88.03$
CONNECT TO 6" VACUUM MAIN
INSTALL 45° BEND
REMOVE EXCESS 6" VAS PIPE
FROM PREVIOUS CONTRACT

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

RECORD DRAWING
Date: 4-28-97

24-4688.96 96 0697

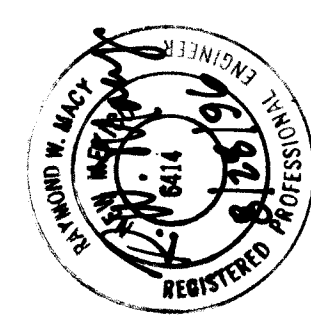
MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: NVSSE - VACUUM COLLECTION PASEO DEL NORTE ROW - LINE "D"	
Design Review Committee	City Engineer Approval
Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 4688.96	Zone Map No. C-15
Sheet 6	of 13

AS BUILT INFORMATION	
CONTRACTOR	Condon Construction
WORK ORDER NO.	Condon Services 1997
DATE	5/97
ACCEPTANCE BY	R. H. Huley
DATE	5/97
VERIFICATION BY	R. GREEN
DATE	6/97
DRAWINGS	CONDUCTED BY R. GREEN
DATE	6/97
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

SURVEY INFORMATION	
FIELD NOTES	ACS 12-C15
DATE	8/94
BY	GMA, INC.
GROUND CONTROL	DEL NORTE INTERSECTION TO A PEDESTRIAN BRIDGE. THE BENCHMARK IS IN THE NE QUADRANT OF THIS INTERSECTION.
PHOTOGRAMMETRY	COOGLER & POULS
ELEV.	5003.345

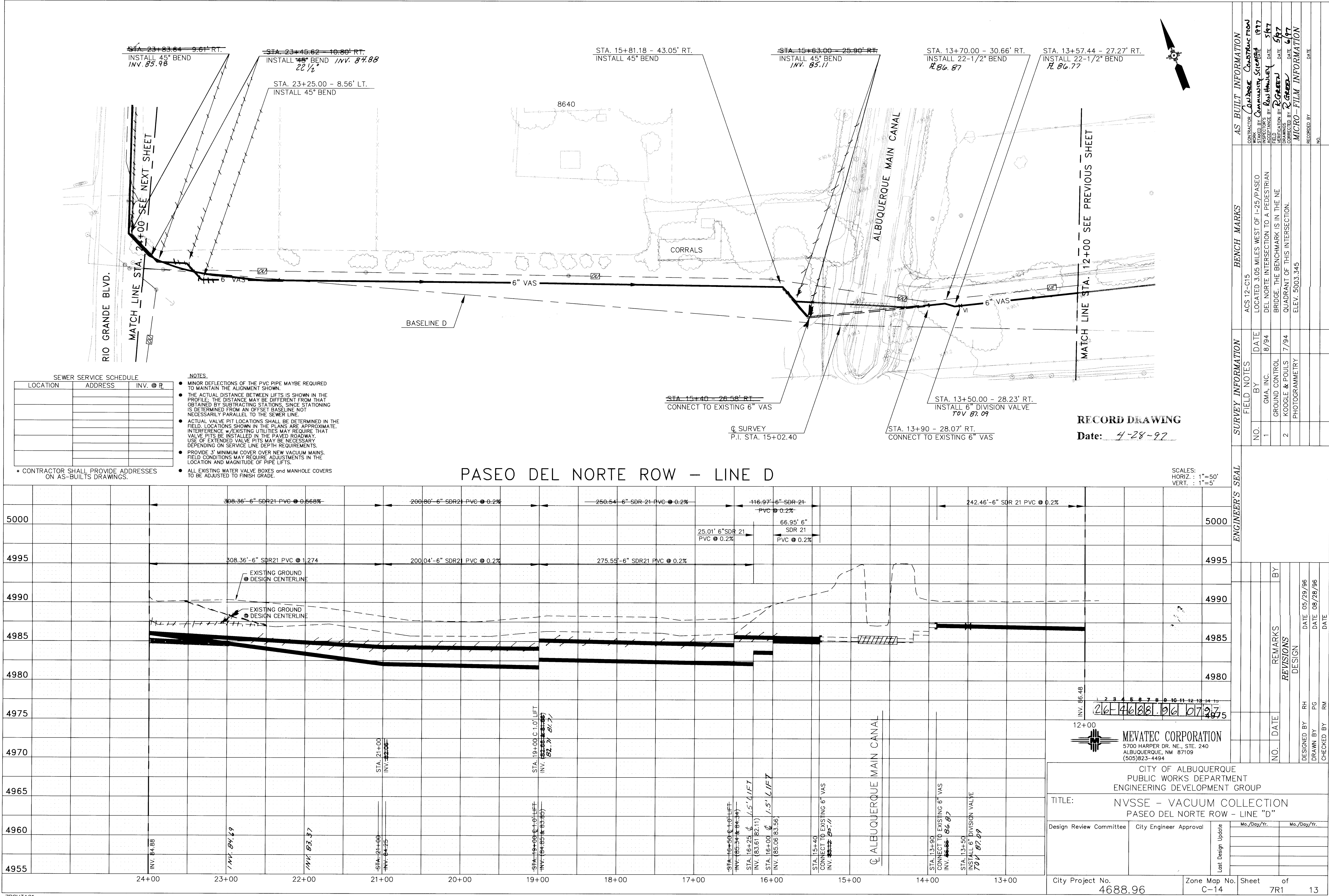
BENCH MARKS	
NO.	1
DATE	8/94
BY	GMA, INC.
GROUND CONTROL	DEL NORTE INTERSECTION TO A PEDESTRIAN BRIDGE. THE BENCHMARK IS IN THE NE QUADRANT OF THIS INTERSECTION.
PHOTOGRAMMETRY	COOGLER & POULS
ELEV.	5003.345

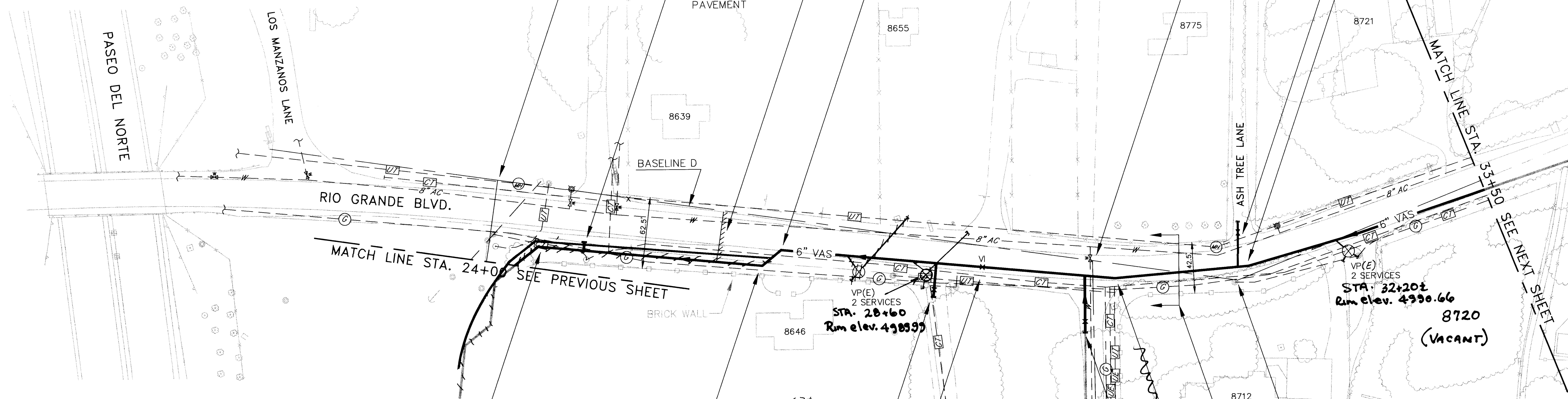
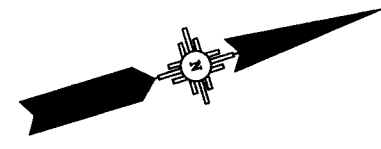


ENGINEER'S SEAL	
NO.	1
DATE	8/94
BY	GMA, INC.
GROUND CONTROL	DEL NORTE INTERSECTION TO A PEDESTRIAN BRIDGE. THE BENCHMARK IS IN THE NE QUADRANT OF THIS INTERSECTION.
PHOTOGRAMMETRY	COOGLER & POULS
ELEV.	5003.345

REVISIONS	
NO.	DATE
1	05/28/96
2	08/28/96
3	
4	
5	
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15	







SEWER SERVICE SCHEDULE		
LOCATION	ADDRESS	INV. @ P.
Sta 28+50 ±	Rio Grande	4983.5
Sta 28+50 ±	Rio Grande	4983.6
Sta 32+20 ±	Rio Grande	4984.2
Sta 32+20 ±	Rio Grande	4984.2

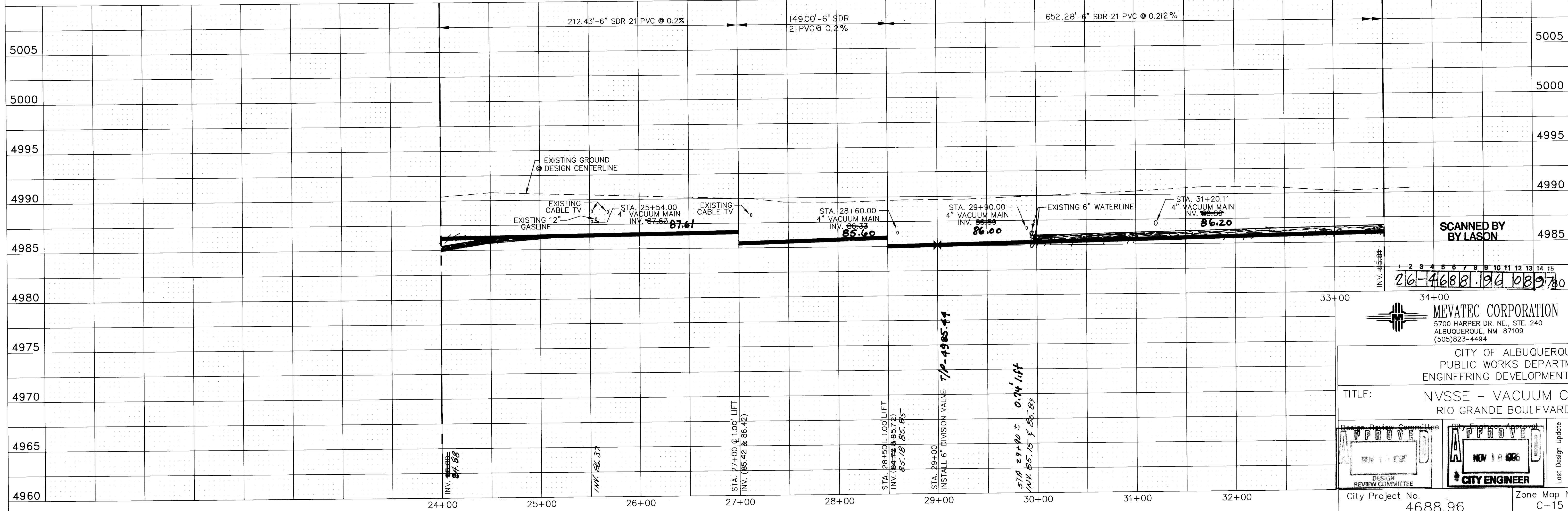
- NOTES:
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 - THE ACTUAL DISTANCE BETWEEN LIFTS IS SHOWN IN THE PROFILE. THE DISTANCE MAY BE DIFFERENT FROM THAT OBTAINED BY SUBTRACTING STATIONS, SINCE STATIONING IS DETERMINED FROM AN OFFSET BASELINE NOT NECESSARILY PARALLEL TO THE SEWER LINE.
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 - ALL EXISTING WATER VALVE BOXES and MANHOLE COVERS TO BE ADJUSTED TO FINISH GRADE.

* CONTRACTOR SHALL PROVIDE ADDRESSES ON AS-BUILTS DRAWINGS.

RIO GRANDE BLVD. - LINE D

RECORD DRAWING
Date: 4-28-97

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



SCANNED BY
BY LASON

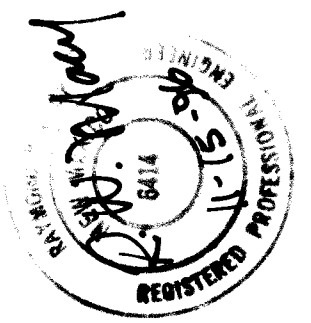
MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

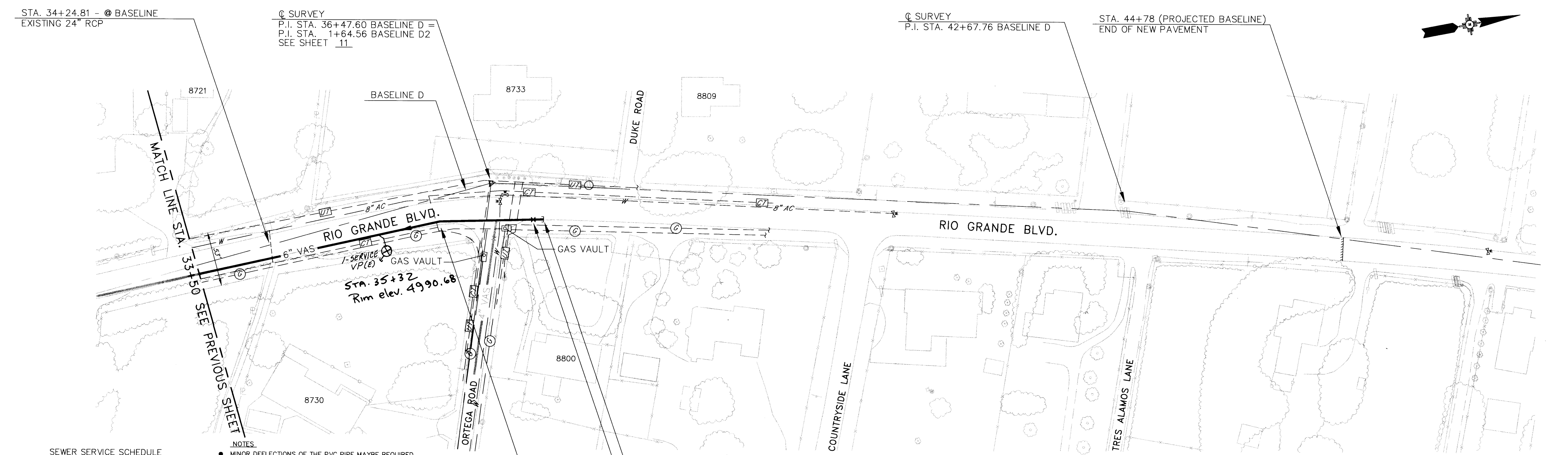
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: NVSE - VACUUM COLLECTION
RIO GRANDE BOULEVARD - LINE "D"

APPROVED
DESIGN REVIEW COMMITTEE
CITY ENGINEER
NOV 18 1996

City Project No. 4688.96
Zone Map No. C-15
Sheet 8R of 13

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	City of Albuquerque	DATE	8/94	BY	GMA, INC.	NO.	1
INSPECTOR	City of Albuquerque	DATE	7/94	BY	COOGL & POULS	NO.	2
ACCEPTANCE	City of Albuquerque	DATE	5/97	BY	PHOTOGRAMMETRY	NO.	
VERIFICATION	City of Albuquerque	DATE	5/97	BY		NO.	
DRAWINGS	City of Albuquerque	DATE	6/97	BY		NO.	
MICRO-FILM INFORMATION		ELEV. 4990.896		REVISIONS		DESIGN	
RECORDED BY		DATE		DESIGNED BY		DATE 11/19/96	
NO.				DRAWN BY		DATE 11/19/96	
				CHECKED BY		DATE	

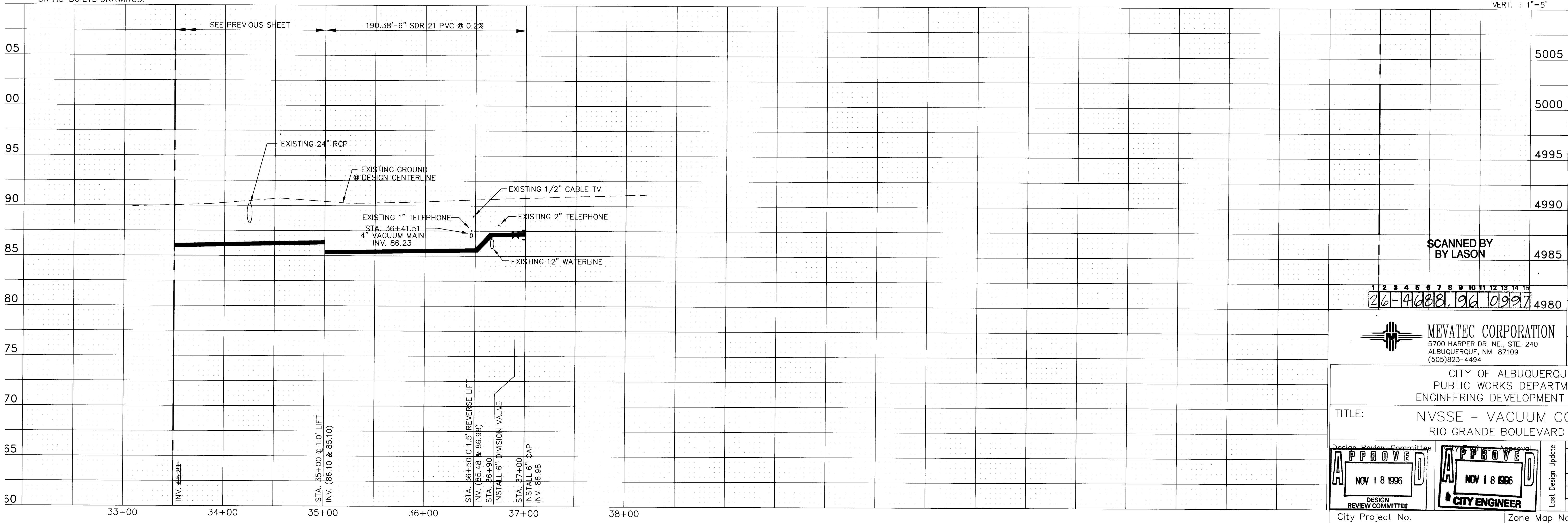




SEWER SERVICE SCHEDULE		
LOCATION	ADDRESS	INV. @ P.
Sta 35+50 ±	8730 Rio Grande	6.5' 4984.2

- NOTES:
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RIO GRANDE BLVD. - LINE D



RECORD DRAWING
Date: 4-28-97

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

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Condore Construction	ACS 9-C14	DATE	NO.	BY		REVISIONS
STANDARD	Community Science	LOCATED 5.97 MILES NORTH OF I-40/RIO GRANDE BOULEVARD INTERSECTION.	8/94	1	GMA, INC.		
INSPECTOR'S	DATE 5/97	GROUND CONTROL	7/94	2	KOOGLE & POULS		
FIELD	DATE 6/97	PHOTOGRAMMETRY					
VERIFICATION BY	R. Green	ELEV. 4990.896				DESIGNED BY	RH
CORRECTED BY	R. Green					DRAWN BY	PG
MICRO - FILM INFORMATION						CHECKED BY	RM
RECORDED BY							
DATE							
NO.							

City Project No. 4688.96

Zone Map No. C-14

Sheet 9R 13

MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NVSS - VACUUM COLLECTION
RIO GRANDE BOULEVARD - LINE "D"

APPROVE
NOV 18 1996
DESIGN REVIEW COMMITTEE

APPROVE
NOV 18 1996
CITY ENGINEER

Mo./Day/Yr. 11/18/96

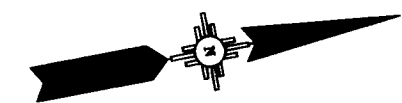
Mo./Day/Yr.

STA. 34+24.81 - @ BASELINE
EXISTING 24" RCP

Q SURVEY
P.I. STA. 36+47.60 BASELINE D =
P.I. STA. 1+64.56 BASELINE D2
SEE SHEET 11

Q SURVEY
P.I. STA. 42+67.76 BASELINE D

STA. 44+78 (PROJECTED BASELINE)
END OF NEW PAVEMENT



SEWER SERVICE SCHEDULE		
LOCATION	ADDRESS	INV. @ R
sta 35+50 ±	8730 Rio Grande	6.5' 4984.2

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ON AS-BUILTS DRAWINGS.

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STA. 37+00 - 33.16' RT.
INSTALL 6" CAP

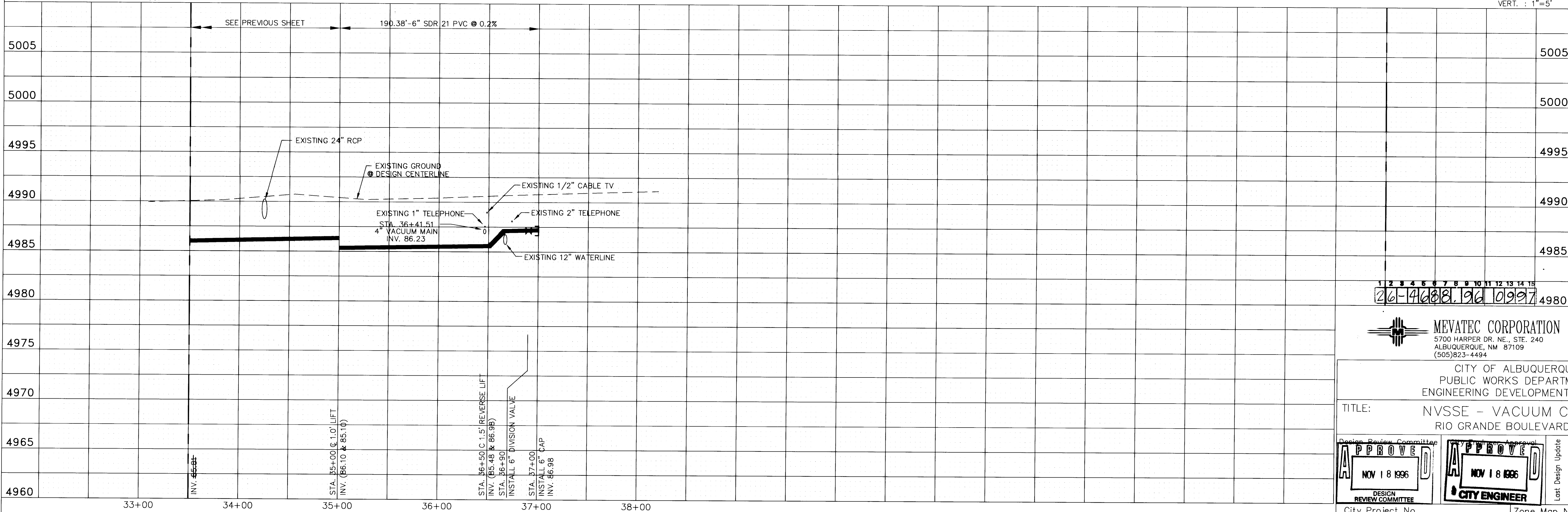
STA. 36+90 - 33.80' RT.
INSTALL 6" DIVISION VALVE

STA. 35+89.30 - 22.51' RT.
INSTALL 11-1/4" BEND

RIO GRANDE BLVD. - LINE D

RECORD DRAWING
Date: 4-28-97

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



AS BUILT INFORMATION	
CONTRACTOR	Ordure Construction
STANDARD BY	Community Sewer
INSPECTOR'S DATE	10/6
FIELD DATE	10/6
VERIFICATION BY	R. Green
CORRECTED BY	R. Green
DATE	6/87
DATE	6/87
MICRO - FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

SURVEY INFORMATION	
FIELD NOTES	
NO.	BY
1	GMA, INC.
2	GROUND CONTROL
	KOOGLE & POULS
	PHOTOGRAMMETRY
BENCH MARKS	
ACS 9-C14	DATE
LOCATED 5.97 MILES NORTH OF I-40/RIO GRANDE	8/94
BOULEVARD INTERSECTION.	
	7/94
ELEV. 4990.896	

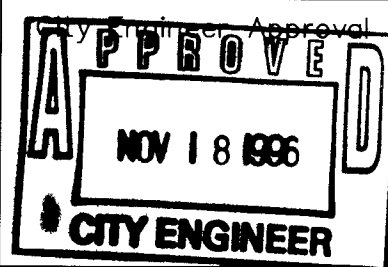
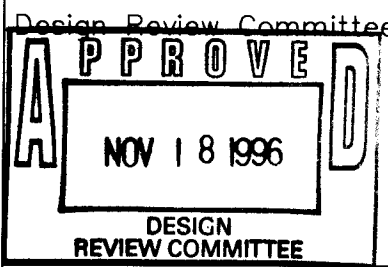
ENGINEER'S SEAL	
NO.	DATE
REVISIONS	BY
DESIGN	
DATE	05/29/96
DATE	08/28/96
DATE	



MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

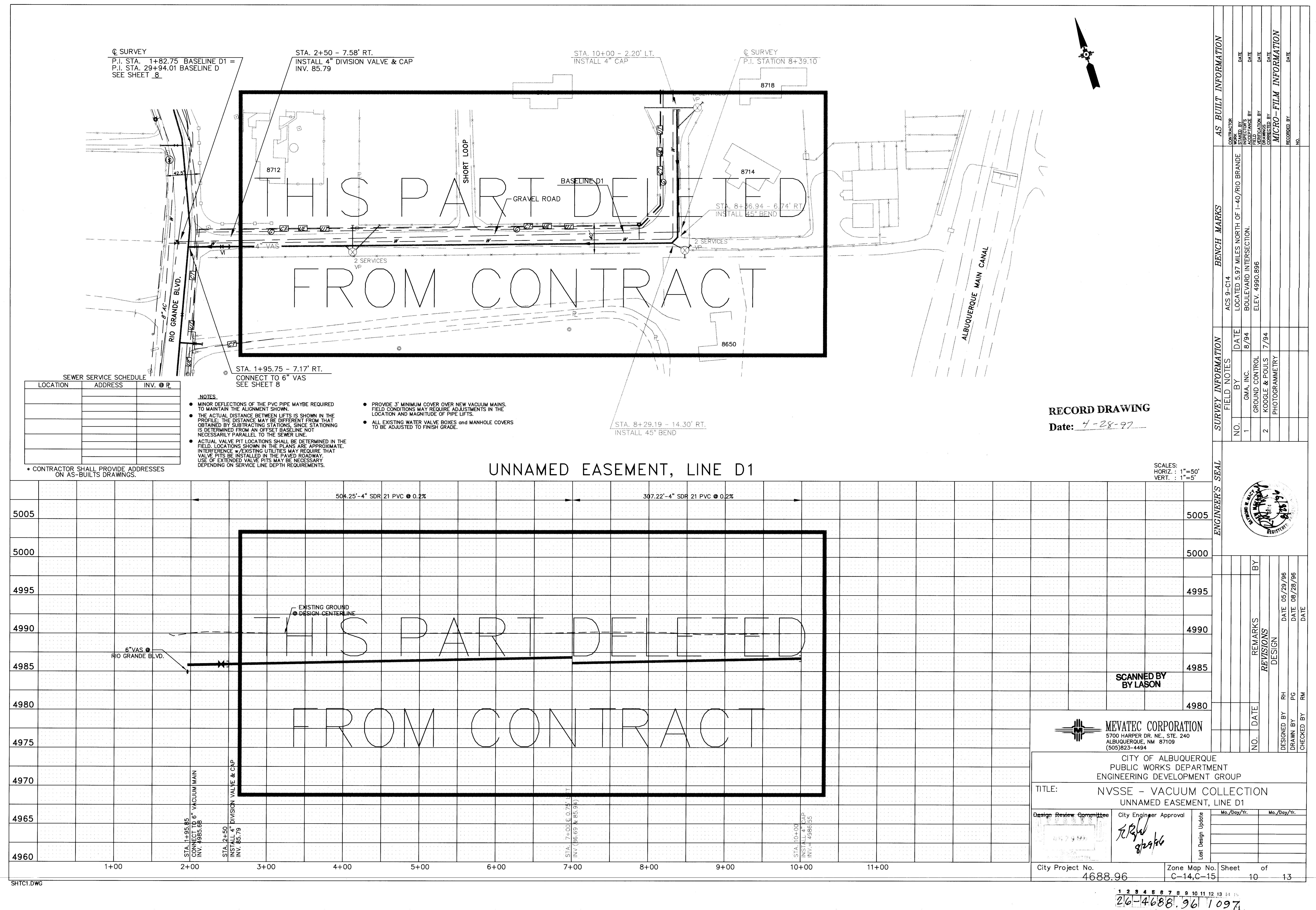
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RIO GRANDE BOULEVARD - LINE "D"



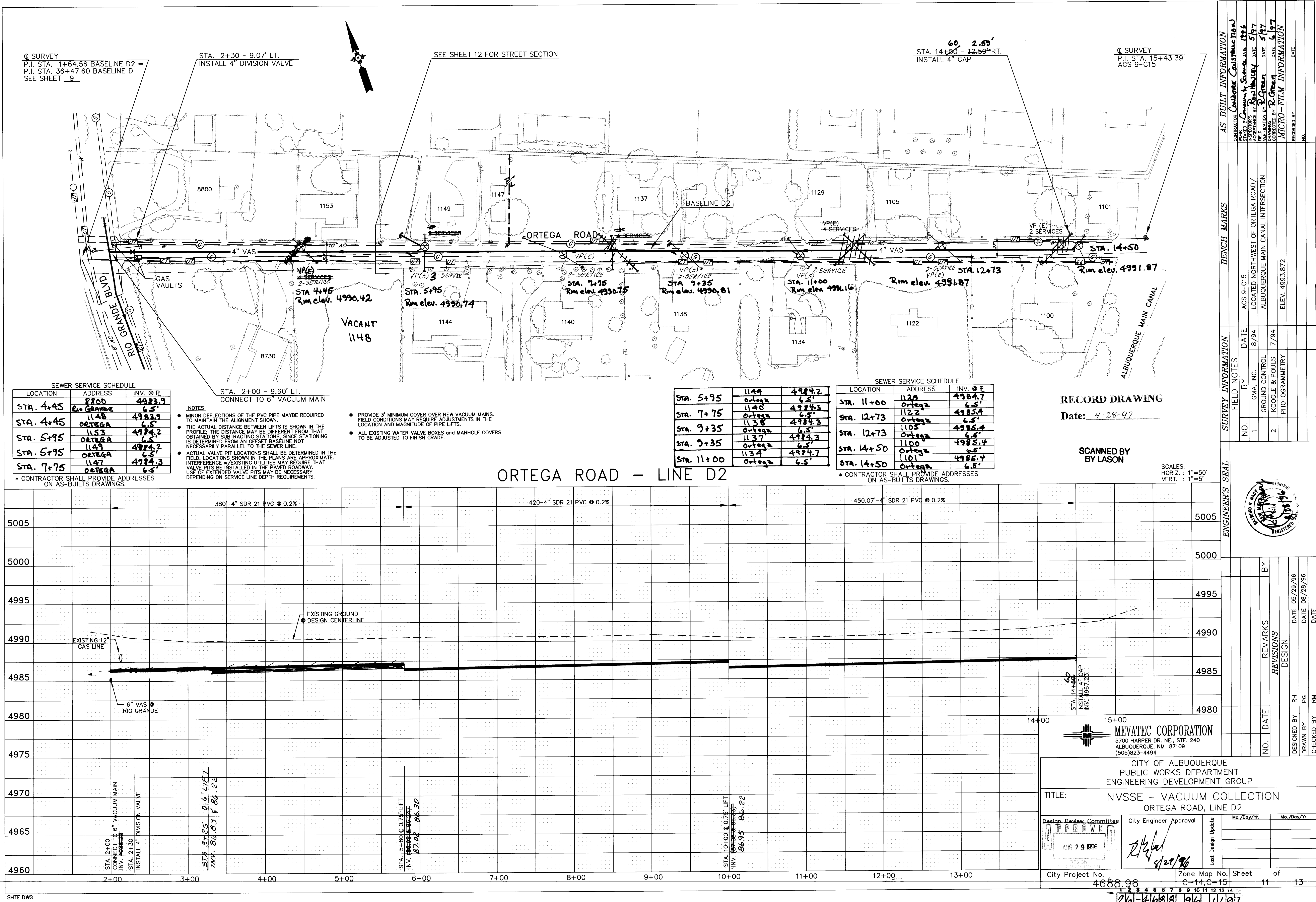
Mo./Day/Yr.	Mo./Day/Yr.
11/18/96	

City Project No.
4688.96

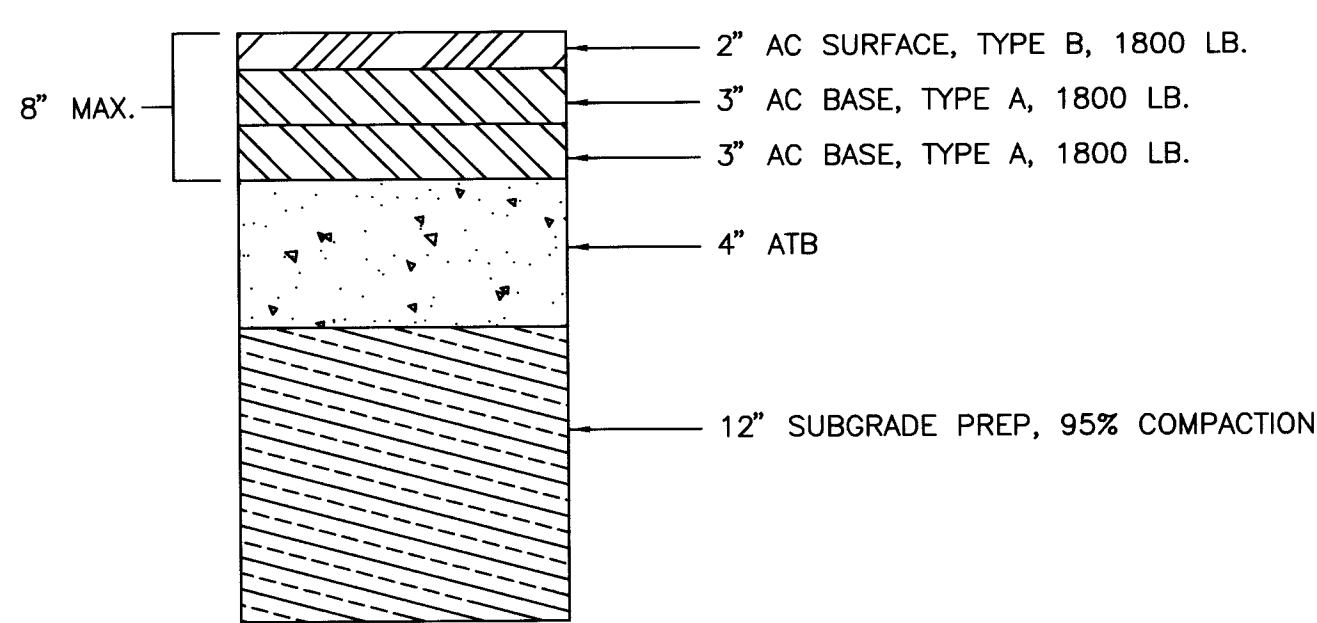
Zone Map No. Sheet
C-14 9R 13



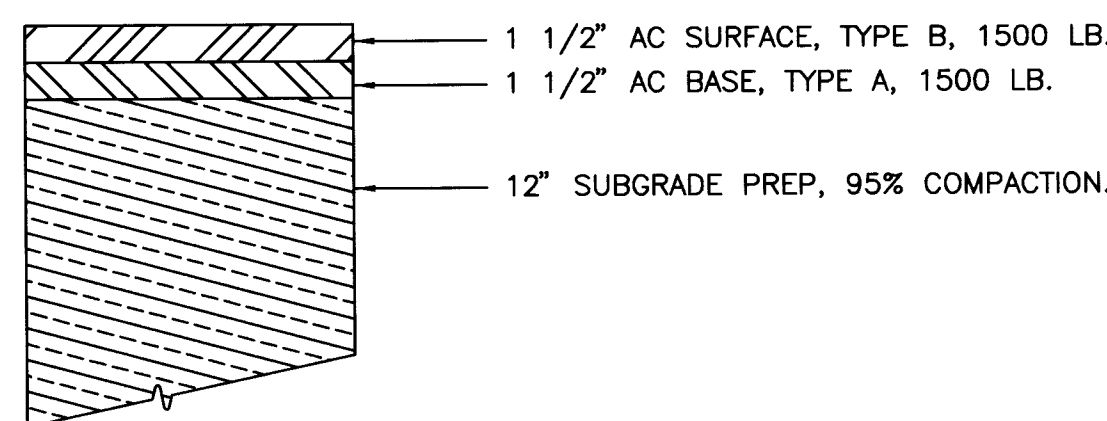
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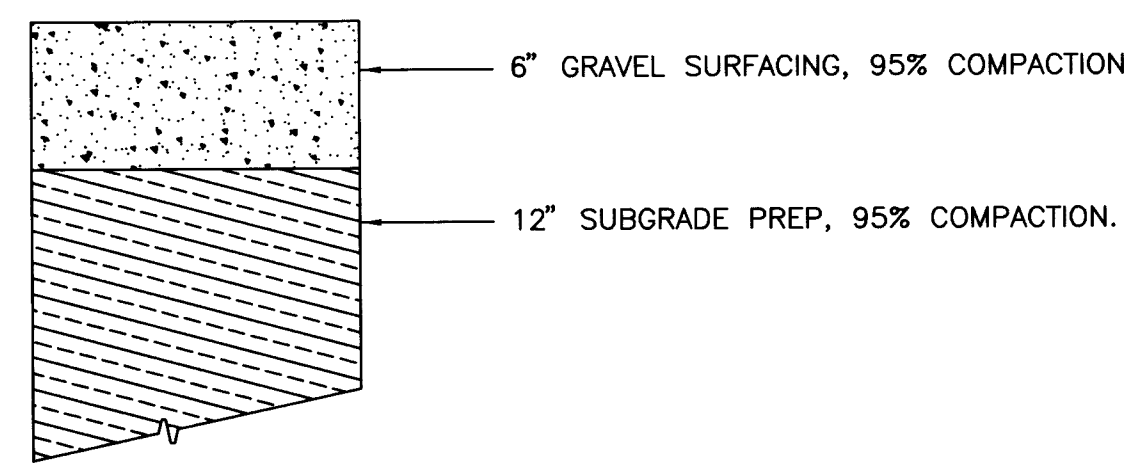
126-146081.016 11/1/97



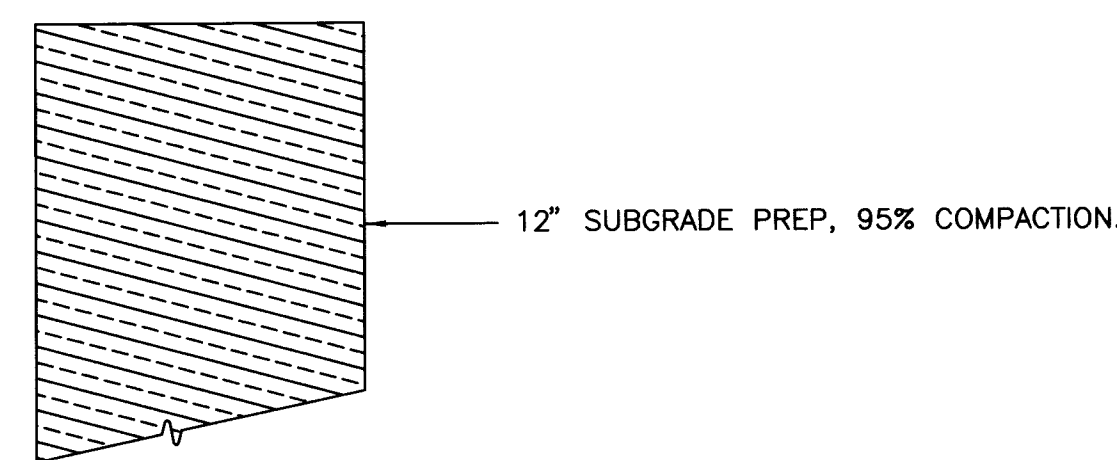
RIO GRANDE BOULEVARD
TYPICAL PATCH SECTION



ORTEGA ROAD
RESIDENTIAL ASPHALT
TYPICAL SECTION



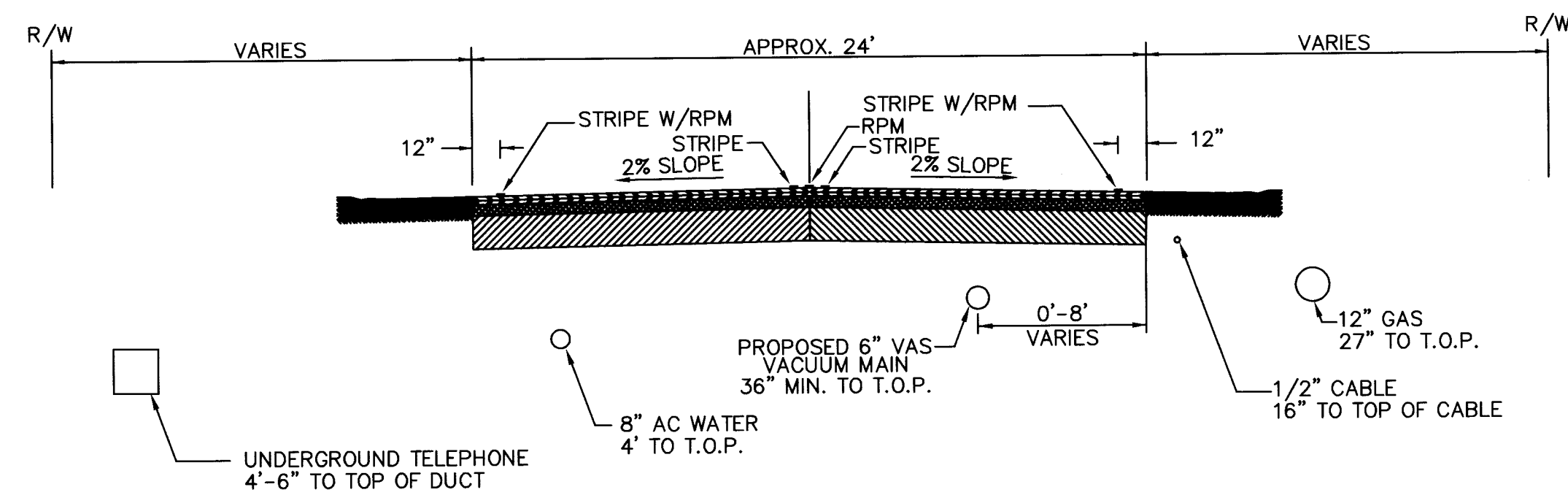
RESIDENTIAL GRAVEL
TYPICAL SECTION



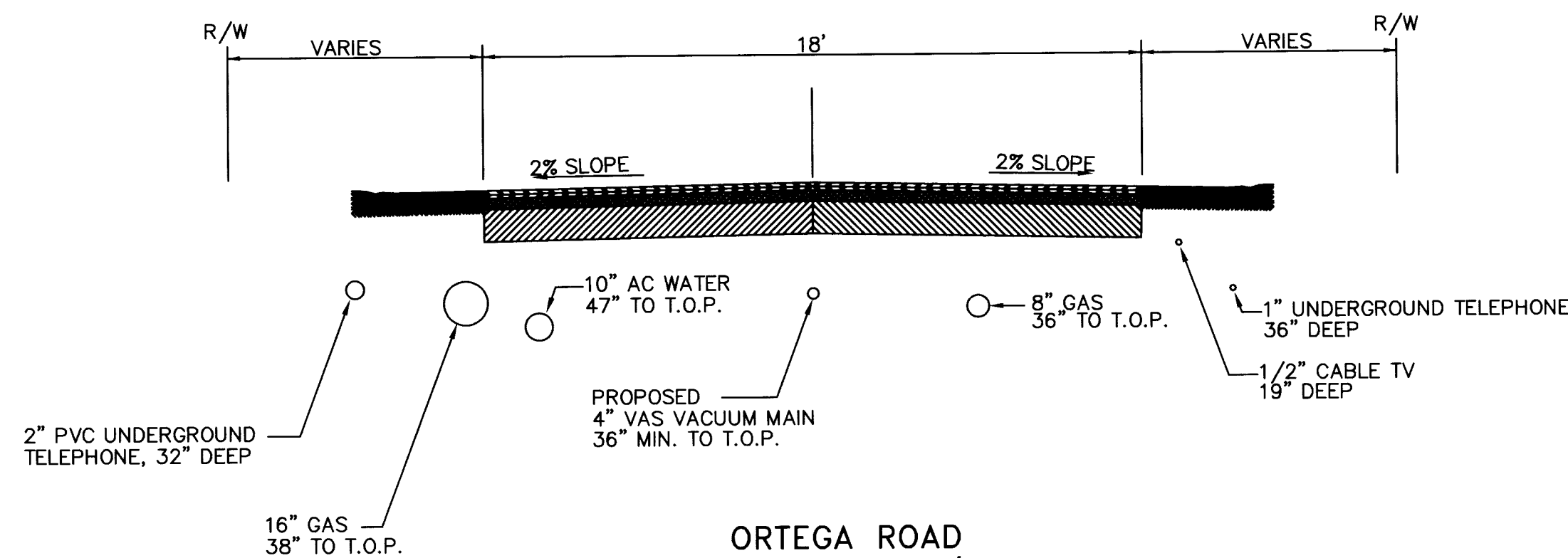
RESIDENTIAL DIRT
TYPICAL SECTION

TYPICAL PAVEMENT SECTIONS

NTS



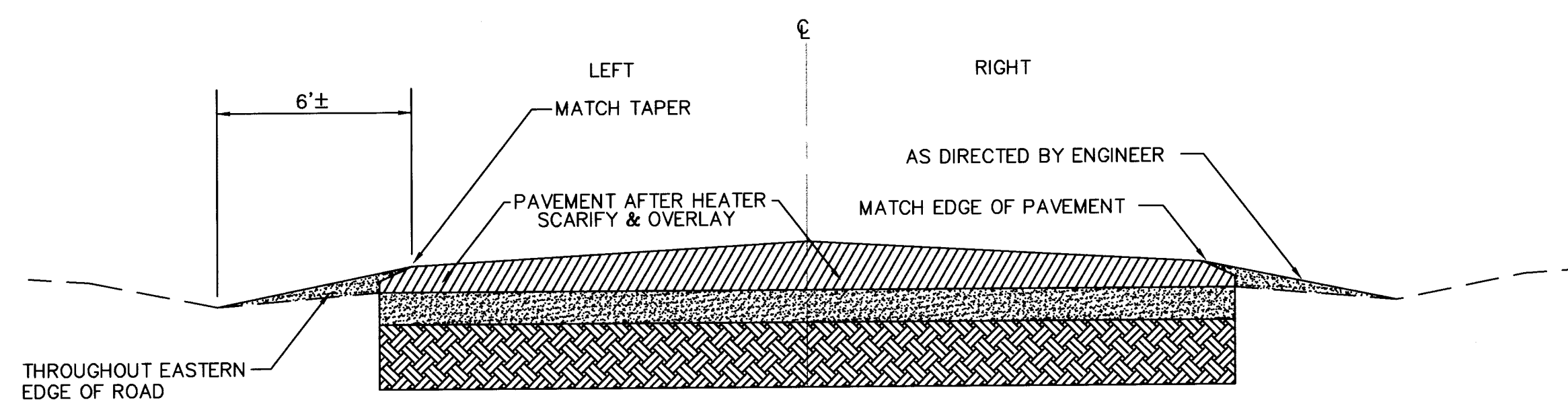
RIO GRANDE BOULEVARD
TYPICAL SECTION w/UTILITIES
(EXISTING)



ORTEGA ROAD
TYPICAL SECTION w/UTILITIES
(EXISTING)

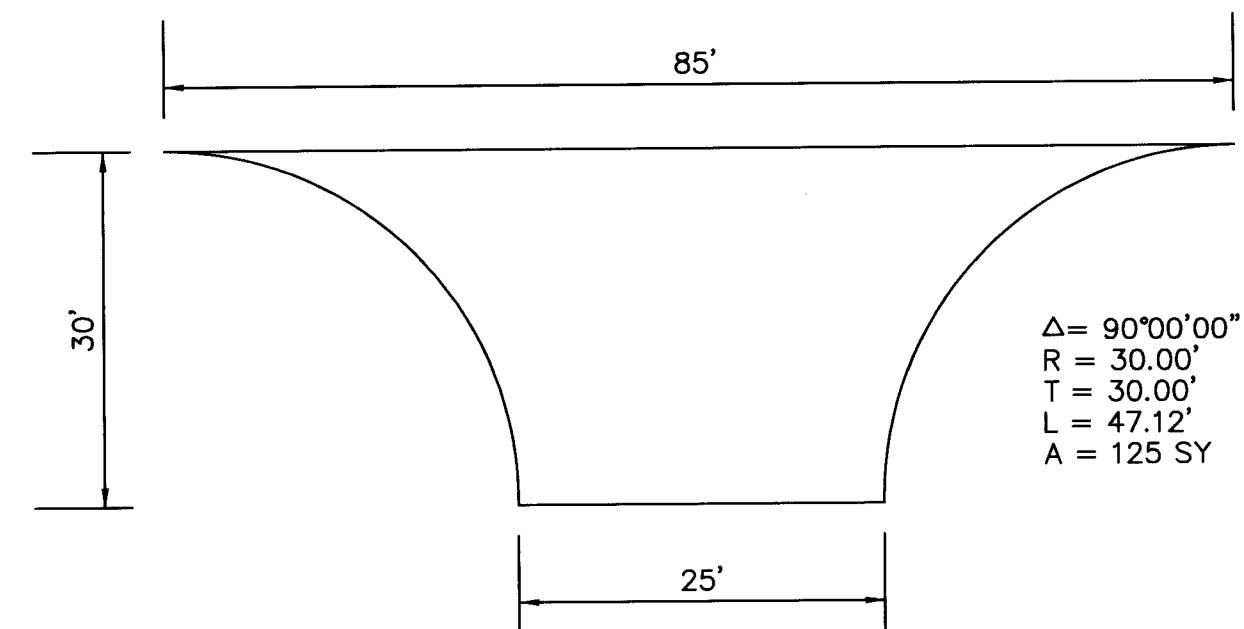
LINE	LOCATION	PAVEMENT TYPE
LINE D	STA. 24+71± TO 44+78	HEATER-SCARIFY AND OVERLAY
LINE D1	STA. 2+00± TO END	RESIDENTIAL GRAVEL
LINE D2	STA. 2+15± TO END	RESIDENTIAL ASPHALT (REMOVE AND REPLACE)

NOTE:
BACKFILL AND PROVIDE PAVEMENT PATCHES OVER TRENCHES ON RIO GRANDE BLVD. PER COA STD. DWG. 2465 BEFORE COMMENCING HEATER-SCARIFY AND OVERLAY OPERATIONS. PAVEMENT ON ORTEGA RD. SHALL BE COMPLETELY REMOVED AND REPLACED IN ACCORDANCE WITH COA STD. DWG. 2465 WITHOUT PATCHING. WIDTH OF HEATER-SCARIFY AND OVERLAY ON RIO GRANDE SHALL MATCH EXISTING PAVEMENT OR AS DIRECTED BY ENGINEER. WIDTH OF PAVEMENT REMOVAL AND REPLACEMENT ON ORTEGA RD. IS 18'.



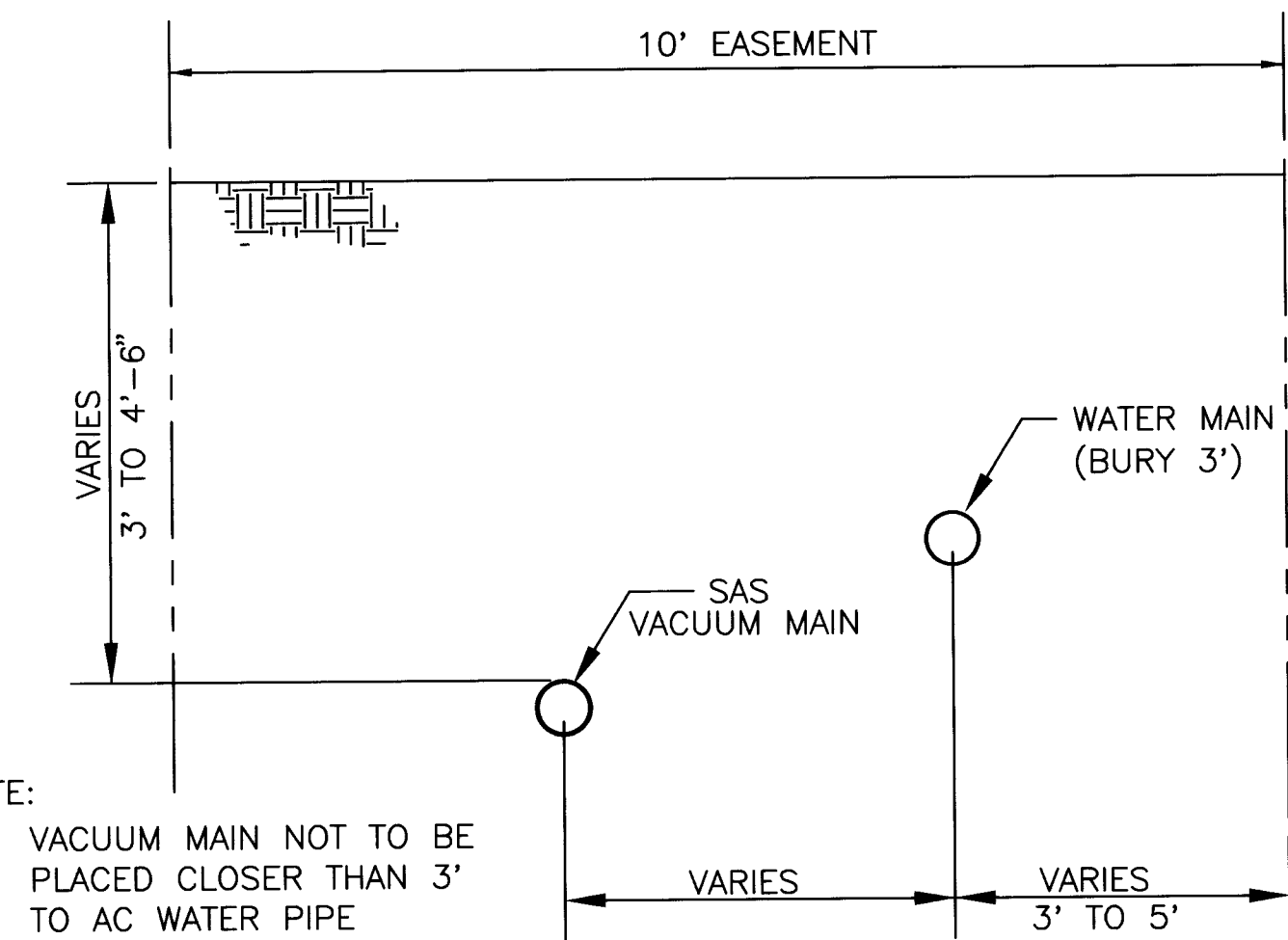
PAVEMENT EDGE PROTECTION - RIO GRANDE BLVD.

NTS



TYPICAL DRIVEPAD LAYOUT

* NOTE: 25' OR AS DIRECTED BY ENGINEER



NOTE:
VACUUM MAIN NOT TO BE PLACED CLOSER THAN 3' TO AC WATER PIPE

VACUUM MAIN PLACED IN EXISTING
10' WATER LINE EASEMENT

NTS

SCANNED BY
BY LASON

RECORD DRAWING

Date: 4-28-97

MEVATEC CORPORATION
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109
(505)823-4494

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NVSSE-VACUUM COLLECTION
CIVIL DETAILS

Design Review Committee City Engineer Approval

DATE / 9 99

DESIGN REVIEW COMMITTEE

City Project No. 4688.96

Zone Map No. C-14,C-15

Sheet 12 of 13

26-11000.00 1/29/97

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL



REVISIONS

DESIGN

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

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DATE

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DATE

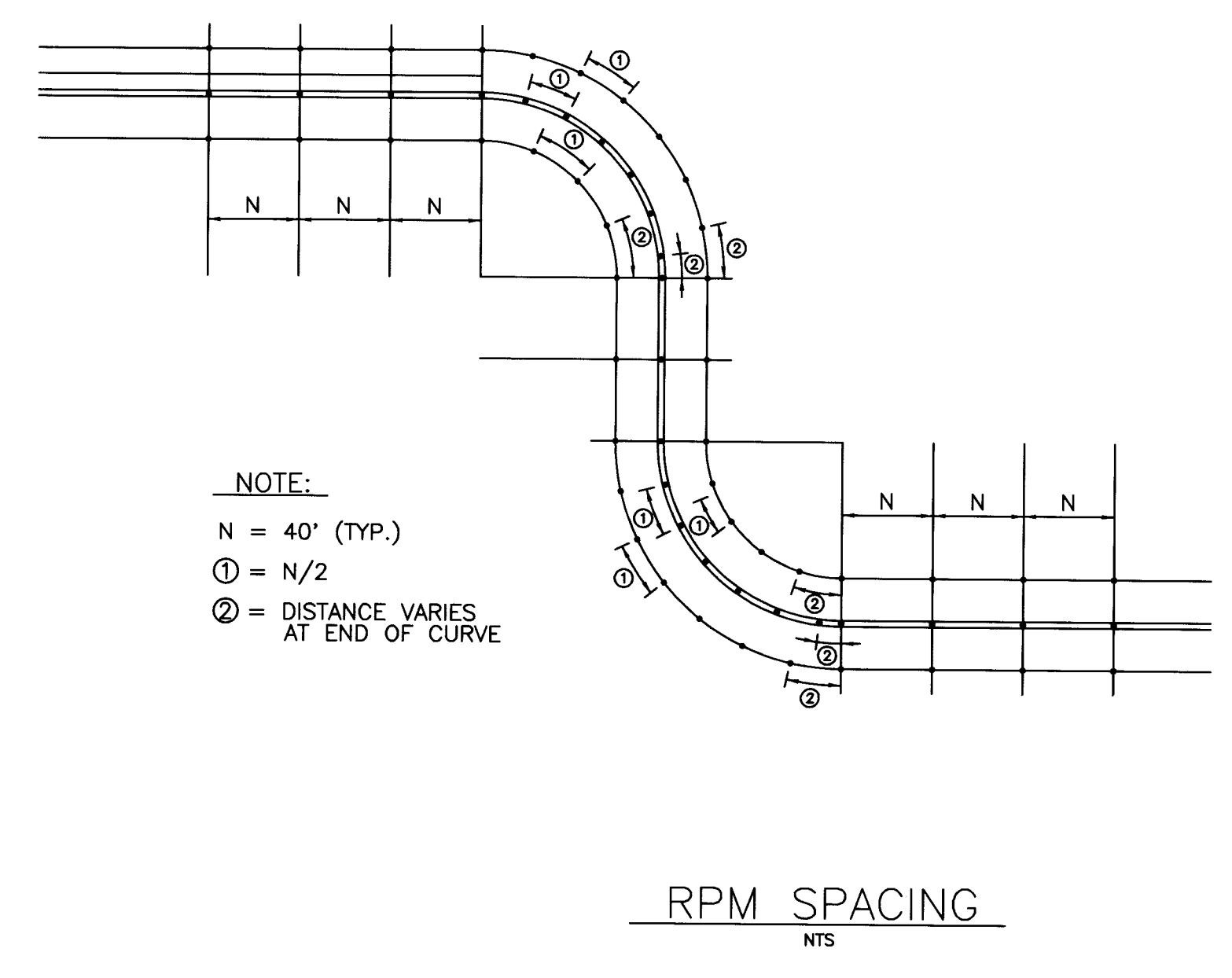
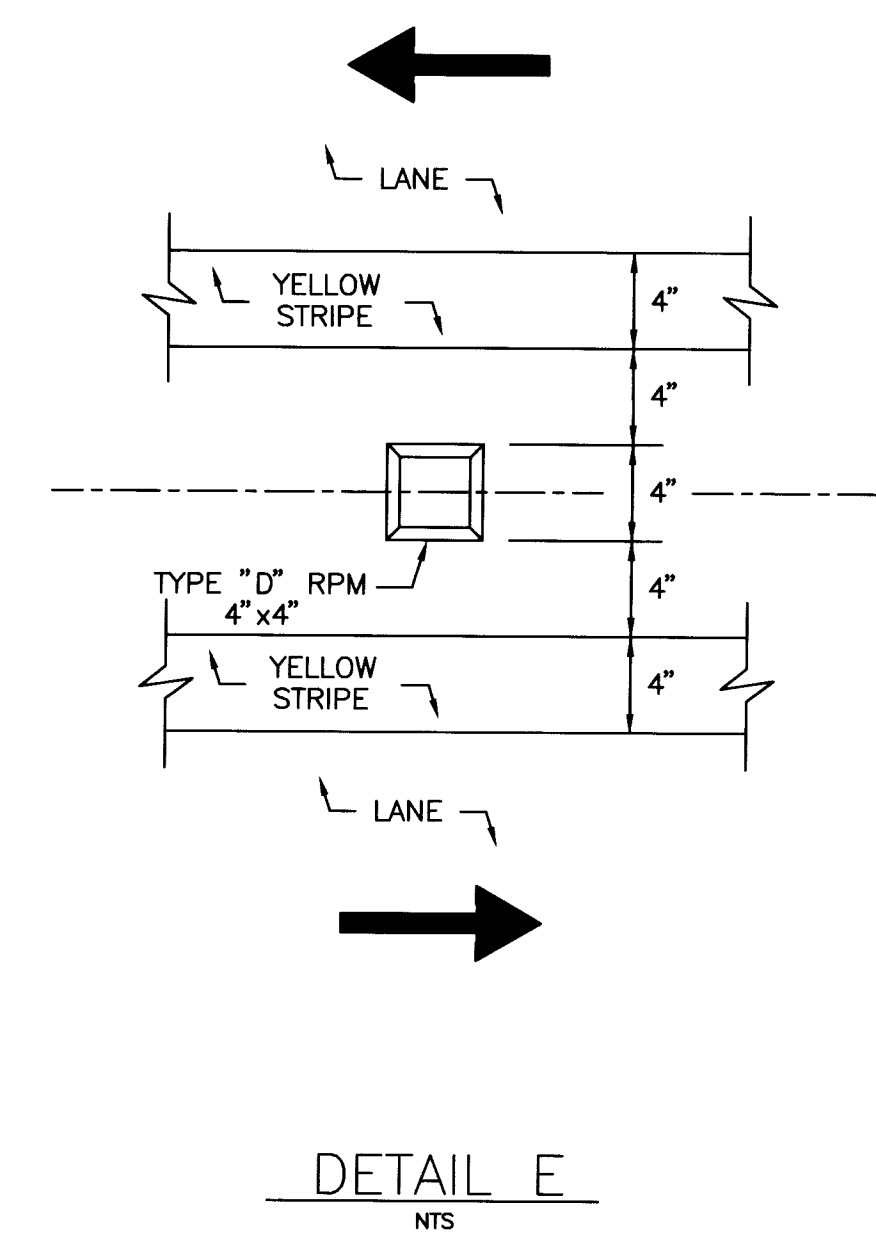
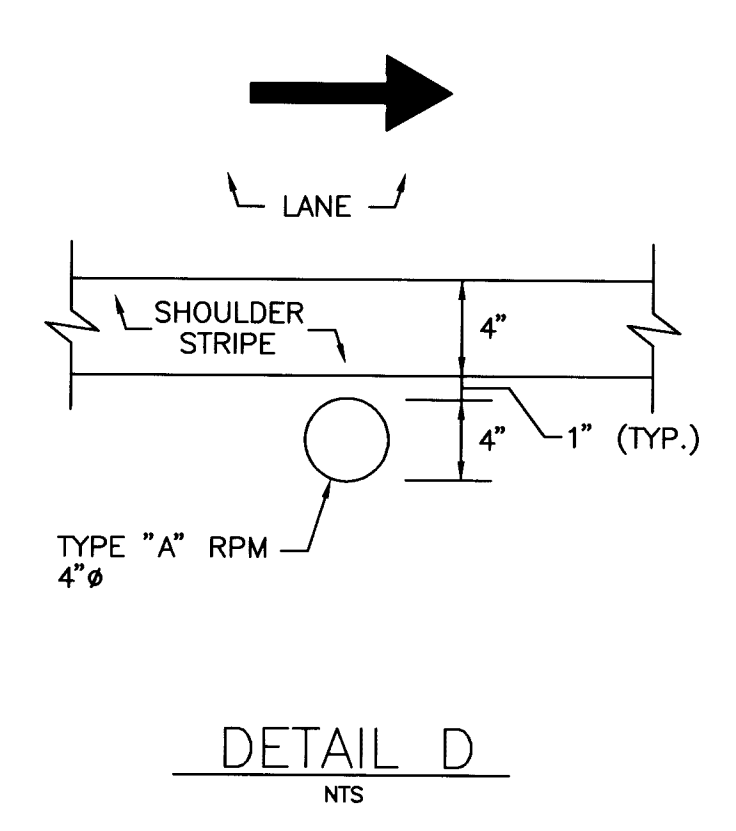
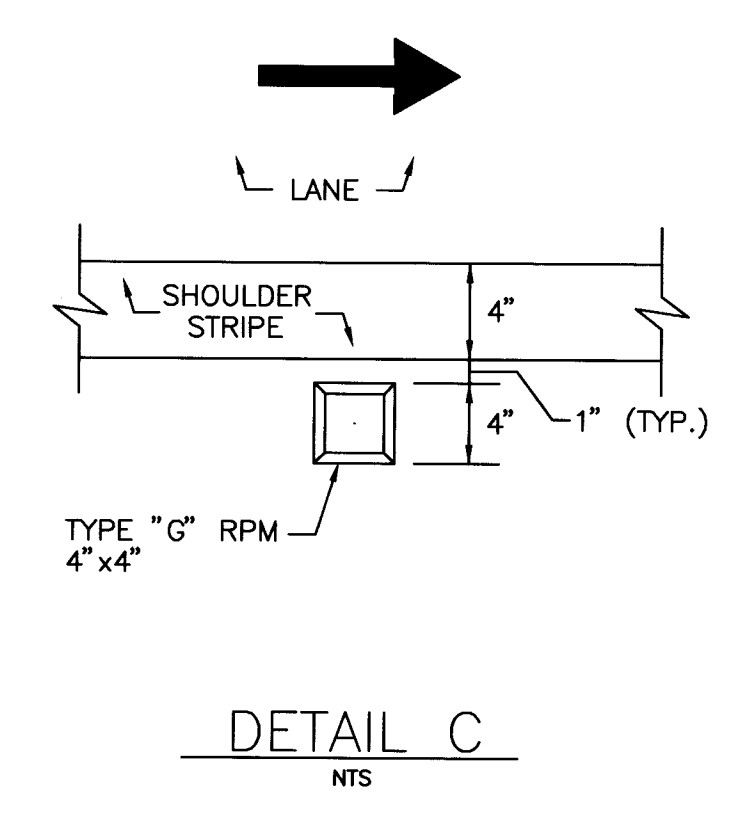
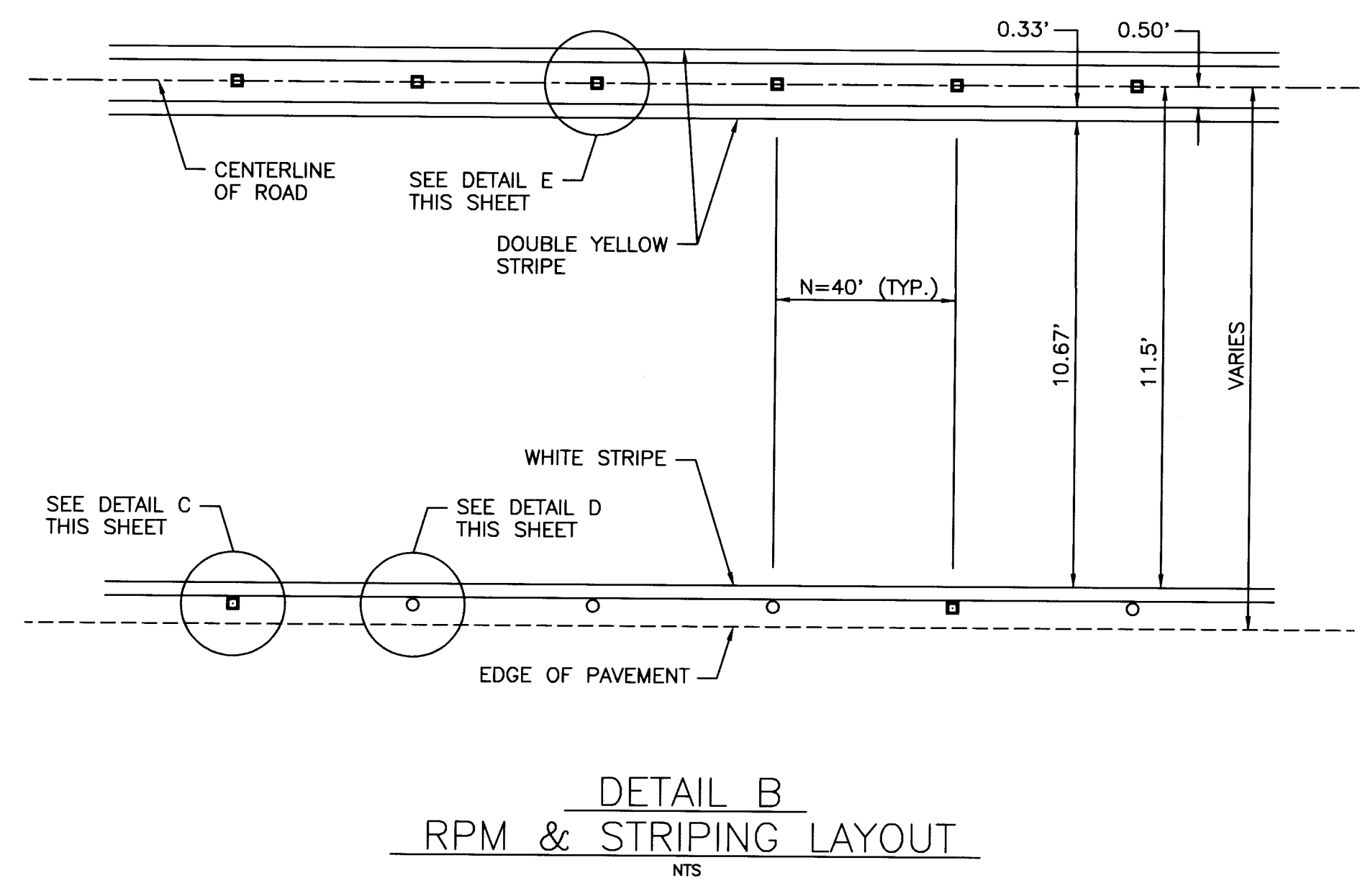
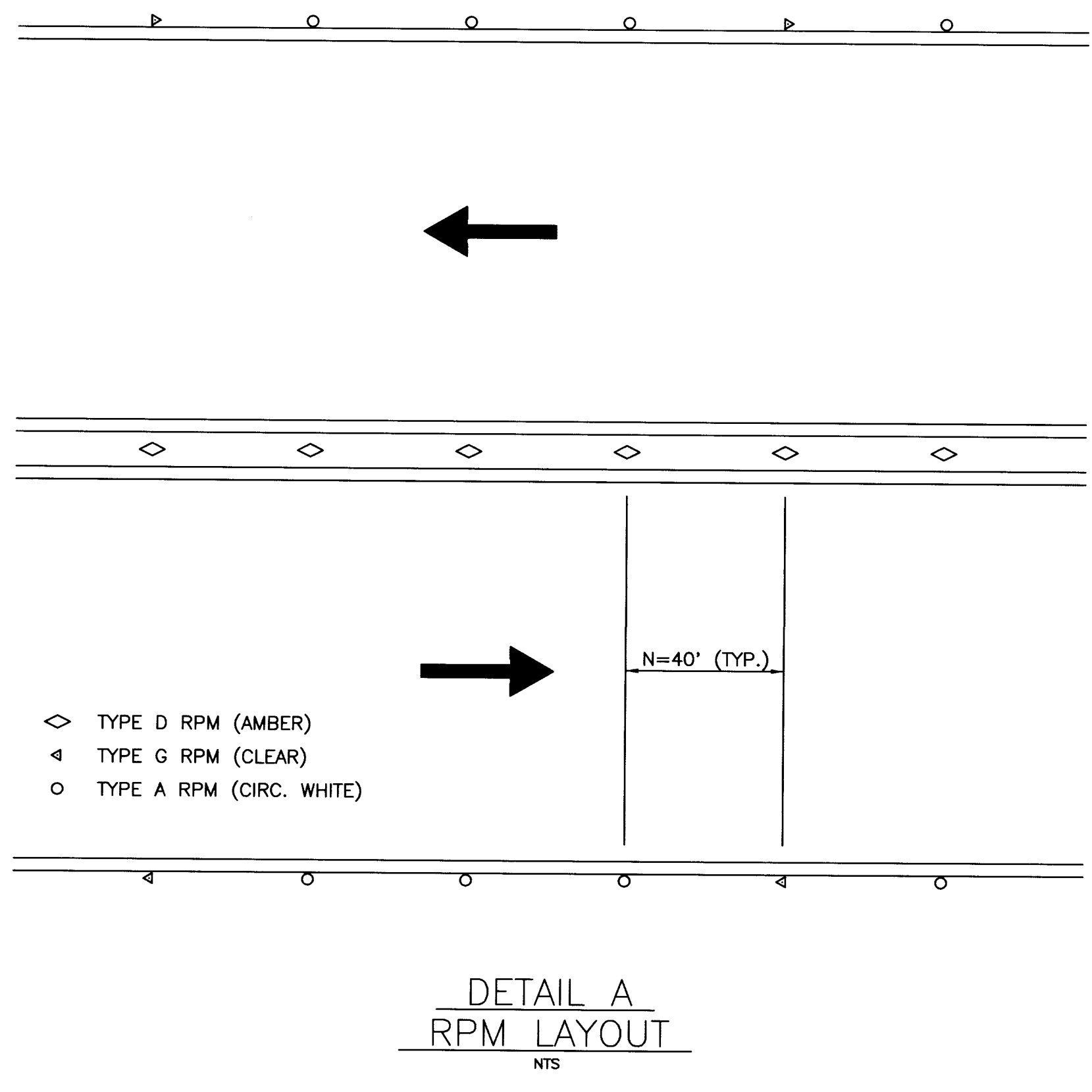
DATE

DATE

DATE

DATE

DATE



NOTE
ALL STRIPING & RPM DETAILS ARE FOR RIO GRANDE BLVD. ONLY.

RECORD DRAWING
Date: 4-28-97

SCANNED BY
BY LASON

MEVATEC CORPORATION
5700 HARPER DR. NE, STE. 240
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(505)823-4494

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NVSSE-VACUUM COLLECTION
STRIPING and RPM DETAILS

Design Review Committee
City Engineer Approval
Last Design Update

City Project No. 4688.96

Zone Map No. C-14,C-15
Sheet 13 of 13

26-4688.96 1/3/97

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	NO.	BY	CONTRACTOR	DATE	NO.	BY	NO.	BY	DATE	NO.	BY	DATE	NO.	BY
WORK	DATE	NO.	BY	WORK	DATE	NO.	BY	NO.	BY	DATE	NO.	BY	DATE	NO.	BY
REVISIONS	DATE	NO.	BY	REVISIONS	DATE	NO.	BY	REVISIONS	DATE	NO.	BY	REVISIONS	DATE	NO.	BY
DESIGNED BY	DATE	NO.	BY	DESIGNED BY	DATE	NO.	BY	DESIGNED BY	DATE	NO.	BY	DESIGNED BY	DATE	NO.	BY
CHECKED BY	DATE	NO.	BY	CHECKED BY	DATE	NO.	BY	CHECKED BY	DATE	NO.	BY	CHECKED BY	DATE	NO.	BY
RECORDED BY	DATE	NO.	BY	RECORDED BY	DATE	NO.	BY	RECORDED BY	DATE	NO.	BY	RECORDED BY	DATE	NO.	BY
NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY