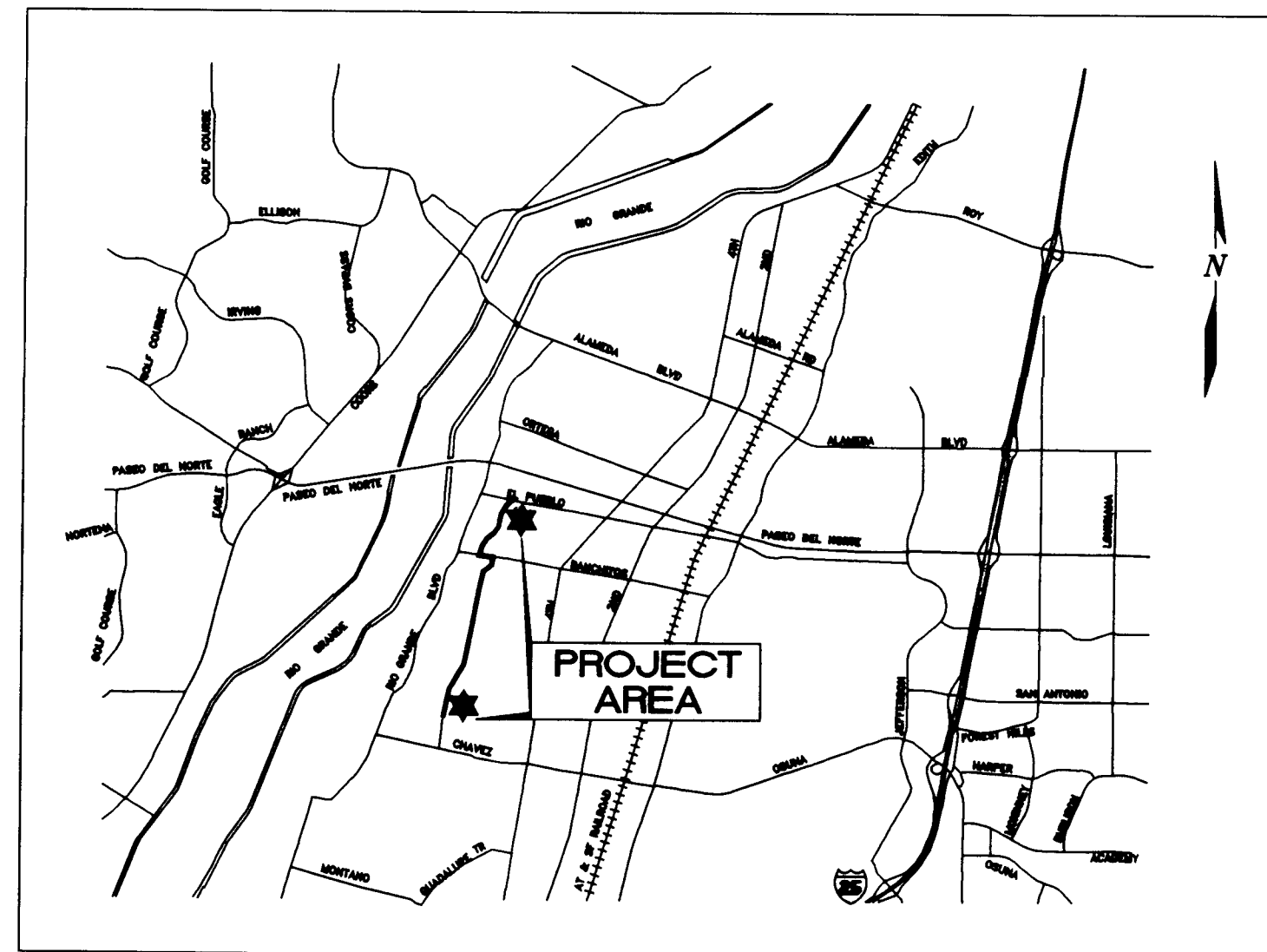


CITY OF ALBUQUERQUE, NEW MEXICO

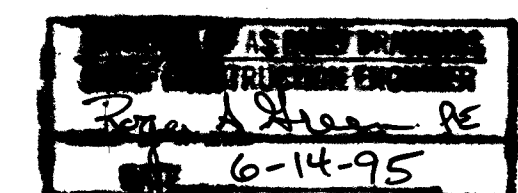
PUBLIC WORKS DEPARTMENT



VICINITY MAP
NOT TO SCALE



PLANS FOR CONSTRUCTION OF GUADALUPE TRAIL SANITARY SEWER INTERCEPTOR EXTENSION PROJECT NO. 4508.90

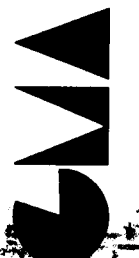
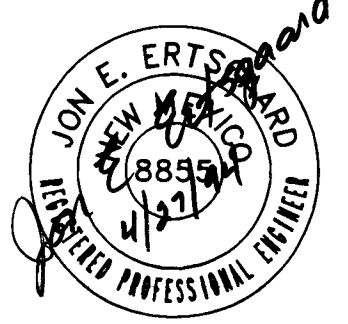


I, Raymond W. Macy, certify that the drawings have been revised in the preparation of Record Drawings in accordance with information furnished by MCC, Inc. and Aldrich Surveying to reflect the construction as actually accomplished.

R.W. Macy 6/8/95
Signature Date

26 4508.90 07/95

RECORD DRAWING

APPROVED FOR CONSTRUCTION		
AGENCY	SIGNATURE	DATE
CITY OF ALBUQUERQUE	<i>Robert B. Rial</i>	<i>4/2/94</i>
VILLAGE OF LOS RANCHOS	<i>John S. Lamm</i>	<i>4/22/94</i>
 GMA, INC. Consultants • Engineers • Laboratory Testing Civil • Environmental • Transportation		
PROJECT NO. 4508.90		SHEET 1 OF 11

SCANNED BY
BY LASON

GENERAL NOTES

MISCELLANEOUS

1. ALL WORK DETAILED ON THESE PLANS IS TO BE PERFORMED UNDER CONTRACT AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF ALBUQUERQUE (COA), STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
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. THE CONTRACTOR IS REQUIRED TO OBTAIN AN EXCAVATION PERMIT FROM THE VILLAGE OF LOS RANCHOS PUBLIC WORKS DEPARTMENT PRIOR TO THE START OF ANY WORK WITHIN VILLAGE RIGHT-OF-WAY. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF LOS RANCHOS PUBLIC WORKS AND FIRE DEPARTMENTS AND THE BERNALILLO COUNTY PUBLIC WORKS AND SHERIFFS 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.
4. 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 CITY CONSTRUCTION MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. 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.
6. NEW SEWER SERVICE LINE LOCATIONS, SHALL BE CONFIRMED BY THE CONTRACTOR, CITY CONSTRUCTION MANAGER, AND PROPERTY OWNER IN THE FIELD AT THE TIME OF CONSTRUCTION. AS BUILT INFORMATION PROVIDED BY THE CONTRACTOR SHALL INCLUDE THE INVERT ELEVATION AND THE STATION AND HORIZONTAL OFFSET FROM THE PUBLIC SEWER LINE.
7. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FROM BASELINES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR AS DETERMINED IN THE FIELD BY THE CITY CONSTRUCTION MANAGER. REESTABLISHMENT OF LOST, MISSING, OR DISTURBED REFERENCE POINTS SHALL BE PERFORMED BY THE OWNER AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION STAKING SHALL BE PAID AS SHOWN IN THE BID PROPOSAL.
8. THERE ARE EXISTING FENCES AND WALLS LOCATED THROUGHOUT THE LIMITS OF THIS PROJECT. ANY FENCES OR WALLS DAMAGED OR REMOVED BY THE CONTRACTOR DURING THE CONSTRUCTION ACTIVITIES SHALL BE REINSTALLED OR REPLACED BY THE CONTRACTOR TO AN EQUAL OR BETTER CONDITION AT CONTRACTOR'S EXPENSE.
9. THE CONTRACTOR SHALL MAINTAIN PARKING AREAS AND PEDESTRIAN ACCESS NECESSARY TO PROVIDE ACCESS TO ALL PROPERTIES OBSTRUCTED BY CONSTRUCTION OPERATIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRENCHES IN A SAFE CONDITION.
11. TREES AND OTHER VEGETATION ALONG GUADALUPE TRAIL ARE TO BE TRIMMED ONLY UNDER THE DIRECTION OF THE VILLAGE OF LOS RANCHOS. ALL TRIMMING SHALL BE AT NO COST TO THE OWNER.
12. IT IS LIKELY THAT THERE ARE ABANDONED IRRIGATION CULVERTS AT SEVERAL LOCATIONS ACROSS GUADALUPE TRAIL AND RANCHITOS ROAD. IF ENCOUNTERED DURING CONSTRUCTION THE ABANDONED IRRIGATION CULVERTS SHALL REMOVED AND DISPOSED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
13. 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.
14. ALL PERMANENT AND CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CITY OF ALBUQUERQUE PRIOR TO THE BEGINNING OF CONSTRUCTION.
15. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE CITY CONSTRUCTION MANAGER. WORK MATERIALS SHALL BE DISPOSED OF IN CITY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.
16. 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.
17. A GEOTECHNICAL INVESTIGATION HAS BEEN PERFORMED BY SHB AGRA, INC. A COPY OF THE GEOTECHNICAL INVESTIGATION REPORT IS AVAILABLE FOR REVIEW AT THE OFFICE OF SHB AGRA OR AT THE OFFICE OF THE DESIGN ENGINEER, GMA, INC.
18. THERE ARE NUMEROUS FRENCH DRAINS THROUGHOUT THE PROJECT AREA. THE CONTRACTOR MAY NOT PLACE ANY SOILS ON TOP OF THE FRENCH DRAINS AND MUST PROTECT THE FRENCH DRAINS FROM SOIL EROSION IN A MANNER ACCEPTABLE TO THE CITY CONSTRUCTION MANAGER AND THE VILLAGE OF LOS RANCHOS. IF THE FRENCH DRAINS ARE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES, THEY SHALL BE REPLACED/REPAIRED TO A CONDITION EQUAL OR BETTER THAN ORIGINAL. COST FOR ANY SUCH WORK SHALL BE INCIDENTAL TO THE PROJECT.
19. THERE ARE CONCRETE CURB RETURNS AT SEVERAL ADJACENT LOCATIONS. ANY REPAIRS TO OR REPLACEMENT OF CONCRETE CURBS RETURNS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT.

PAVING

1. THE CONTRACTOR SHALL CONSIDER THE LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT TO BE FULL WIDTH OF STREET DIRECTLY ABOVE ALL PROPOSED SEWER LINE CONSTRUCTION.
2. GUADALUPE TRAIL SHALL BE REPAVED IN ACCORDANCE WITH THE DETAIL PROVIDED IN THE PLANS. THE ROAD SHALL BE REPAVED TO THE EXISTING WIDTH.
3. PRIVATE PAVED ROADS SHALL BE REPAVED TO THE EXISTING WIDTH OR 12', WHICHEVER IS GREATER, IN ACCORDANCE WITH COA STD. DWG. 2415 - TEMPORAL PAVING SECTION WITH 4" AC, 75 BLOW/1800 LBS STABILITY (SUBGRADE TO BE COMPACTED TO 95%).
4. PRIVATE GRAVEL ROADS SHALL BE REGRAVELLED TO THE EXISTING WIDTH OR 12 FEET, WHICHEVER IS GREATER.
5. STREET CENTERLINE GRADES AND CROSS SLOPES (CROWNS) SHALL BE RESTORED BY THE CONTRACTOR TO EXISTING CONDITIONS UNLESS OTHERWISE DIRECTED BY THE CITY CONSTRUCTION MANAGER. THE CONTRACTOR SHALL OBTAIN STREET CROSS SECTION DATA AT 25' STATIONS AND SUBMIT SAID SURVEY NOTES TO THE CITY CONSTRUCTION MANAGER 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 CITY CONSTRUCTION MANAGER. MINOR ADJUSTMENTS TO STREET GRADES WILL BE CONSIDERED INCIDENTAL TO THE PAVING BID ITEMS. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT THAT REMAINS 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. PAVEMENT MARKINGS SHALL BE RESTORED AS DIRECTED BY THE CITY CONSTRUCTION MANAGER AND WILL BE CONSIDERED INCIDENTAL TO 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. UNPAVED ROADS, PRIVATE ROAD EASEMENTS, AND DRIVEWAYS SHALL BE REPLACED TO AN EQUAL OR BETTER CONDITION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
3. AFTER BACKFILLING TRENCHES, ALL ROADS SHALL BE CONTINUALLY MAINTAINED, INCLUDING ANY WATERING NECESSARY TO CONTROL DUST, UNTIL FINAL PAVEMENT SURFACING ACTIVITIES ARE COMPLETED. THE RESTORATION OF A PAVEMENT WHERE SEWER LINE CONSTRUCTION IS COMPLETE SHALL COMMENCE NOT LATER THAN TEN (10) DAYS AFTER SUCCESSFUL COMPLETION OF THE TELEVISION INSPECTION AND THE MANDREL TEST, UNLESS DELAYED BY WEATHER. NO SEGMENT OF ROADWAY LONGER THAN 1,000 FEET SHALL REMAIN UNPAVED WHERE A.C. PAVEMENT IS CALLED FOR.

UTILITIES

1. A MINIMUM OF TWO (2) WORKING DAYS, BUT NOT MORE THAN FIVE (5) 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 THAT ARE SHOWN ARE AT AN APPROXIMATE LOCATION 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 ALL UTILITIES AND ANY 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. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

DRAWING INDEX

SHEET NUMBER DRAWING TITLE

- | | |
|-----|---|
| 1. | Title Sheet and Vicinity Map |
| 2. | Drawing Index, Legend, and General Notes |
| 3. | Overall Project Map |
| 4. | Miscellaneous Details |
| 5. | Guadalupe Trail Interceptor, Sta. 2+00 to Sta. 11+62.00 |
| 6. | Guadalupe Trail Interceptor, Sta. 11+62.00 to Sta. 24+36.00 |
| 7. | Guadalupe Trail Interceptor, Sta. 24+36.00 to 36+55.00 |
| 8. | Guadalupe Trail Interceptor, Sta. 36+55.00 to 47+86.00 |
| 9. | Guadalupe Trail Interceptor, Sta. 47+86.00 to 57+85.00 |
| 10. | Guadalupe Trail Interceptor, Sta. 57+85.00 to 68+46.00 |
| 11. | Guadalupe Trail Interceptor, Sta. 68+46.00 to 77+60.78 |

LEGEND

Description	Symbol
Survey Centerline	— — — — —
Existing Ground at Survey Q	- - - - -
Pavement	
Existing Fence Line	-X -X -X -X -X -
Existing Block Wall	-□ -□ -□ -□ -□ -
Existing Chain Link Fence	-○ -○ -○ -○ -○ -
Existing Sanitary Sewer Line & Manhole	- - - - - 24" SAS
New Sanitary Sewer Line & Manhole	24" SAS
Existing Underground Electric	- - - - -
Existing Underground Telephone	- - - - -
Existing Underground Cable Television	- - - - -
Overhead Cable (Road Crossings Only)	- - - - -
Existing Gas Line	- - - - -
Existing Water Line & Valve	- - - - - 8" W
Existing Fire Hydrant	
Existing Water Meter	
Existing Gas Meter	
Existing Gas Valve	
Existing Power Pole	● PP
Existing Telephone Pole	● TP
Existing Light Pole	● LP
Existing Telephone Pedestal	■ TP
Existing TV Pedestal	● TV
Bench Mark	
Existing French Drain	
Soil Boring Location	

RECORD DRAWING NOTES

1. FOUR FOOT DIAMETER MANHOLES ARE TYPE "E" AND WERE BUILT OF PRE-CAST CONCRETE SECTIONS. SIX FOOT DIAMETER MANHOLES ARE TYPE "C" AND WERE BUILT USING A PRE-CAST BASE, FOUR COURSES OF CONCRETE BLOCK AND PRE-CAST CONCRETE SECTIONS.
2. WATER LINE INSTALLED ON THIS PROJECT WAS POLYVINYLCHLORIDE C900, CLASS 150 PIPE, WITH RUBBER GASKETED BELL AND SPIGOT JOINTS. FITTINGS AND VALVES WERE RESTRAINED USING MEGALUG RETAINER GLANDS.
3. ALL WATER SERVICE LINES ON GUADALUPE TRAIL WERE REPLACED USING TYPE "K" COPPER TUBING, FROM STA. 11+95 TO STA. 37+25.
4. SEWER LINE MAIN INSTALLED ON THE PROJECT WAS PUSH-ON POLYVINYLCHLORIDE, SDR-35 PIPE, WITH RUBBER GASKETED BELL AND SPIGOT JOINTS.
5. GAS CO. OF NM REPLACED THE EXISTING 2" STEEL GAS MAIN WITH A NEW 2" POLYETHYLENE LINE FROM PUEBLO SOLANO RD., NORTH ALONG GUADALUPE TRAIL, TO STATION 43+90. OLD 2" GAS MAIN WAS ABANDONED IN PLACE. NEW GAS MAIN IS SHOWN AS A SOLID LINE.
6. PROJECT CONTRACTOR REPLACED EXISTING 8" AC WATER LINE WITH NEW 8" C-900 PVC PIPE FROM PUEBLO SOLANO RD., NORTH ALONG GUADALUPE TRAIL, TO STATION 37+25.
7. DUE TO CONSTRUCTION ON EL PUEBLO RD. AT THE TIME OF AS-BUILT SURVEY, NO INVERT OR RIM ELEVATIONS WERE OBTAINED ON MANHOLES 37 AND 38 BY CONTRACTOR'S SURVEYOR. ELEVATIONS SHOWN WERE TAKEN BY DESIGN CONSULTANT AT THE TIME OF SEWER LINE INSTALLATION.

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. THE UTILITY OWNER SHALL BE NOTIFIED TWO WEEKS PRIOR TO THE NEEDED REMOVAL OR SUPPORT. 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 THREE (3) 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 ANY EXISTING WATERLINES TO THE EXTENT POSSIBLE. IF WATERLINE IS TO BE REMOVED & REPLACED, IT SHALL BE DONE AS DIRECTED BY THE CITY CONSTRUCTION MANAGER. 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 (345-9148) 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. COSTS ASSOCIATED WITH CABLE DE-ENERGIZATION 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. THE CONTRACTOR SHALL PROVIDE THE GAS COMPANY TWO WEEKS ADVANCE NOTICE OF REQUIRED RELOCATIONS.
10. 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.
11. HORIZONTAL CLEARANCE BETWEEN PARALLEL WATER AND SEWER LINE MUST BE 10' MINIMUM. VERTICAL CLEARANCE BETWEEN WATER AND SEWER LINES MUST BE 18" MINIMUM. ADJUSTMENTS MAY BE REQUIRED PER FIELD CONDITIONS AND NO EXTRA MEASUREMENT OR PAYMENT WILL BE MADE TO COMPLY WITH THIS REQUIREMENT. WHEN THIS REQUIREMENT CANNOT BE MET, CONCRETE ENCASEMENT OF THE SEWER LINE OR PRESSURE TYPE PIPE SHALL BE USED FOR THE SEWER LINE. MEASUREMENT AND PAYMENT WILL BE MADE PER L.F. OF SEWER LINE REQUIRED AS SHOWN IN THE BID PROPOSAL.
12. 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.
13. CAPPING AND MARKING OF SERVICE LINES SHALL BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DETAIL DRAWING NO. 2125.

TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN, WHICH WILL BE SUBMITTED TO THE VILLAGE OF LOS RANCHOS, THE BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT, AND THE CITY CONSTRUCTION MANAGER FOR REVIEW AND ACCEPTANCE PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES.
2. IN THE VICINITY OF TAYLOR MIDDLE SCHOOL AND RANCHOS ELEMENTARY SCHOOL, THE CONTRACTOR SHALL COORDINATE ALL STREET CLOSURES AND TRAFFIC OPERATIONS WITH THE SCHOOL TRANSPORTATION OFFICIALS. THE PRINCIPAL OF THE AFFECTED SCHOOL MUST BE CONTACTED A MINIMUM OF TWO (2) DAYS PRIOR TO AFFECTING ANY ACCESS FROM GUADALUPE TRAIL.
3. NO MORE THAN ONE THROUGH STREET TO RIO GRANDE BOULEVARD AND ONE THROUGH STREET TO FOURTH STREET WILL BE PERMITTED TO BE CLOSED AT ANY GIVEN TIME.

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:

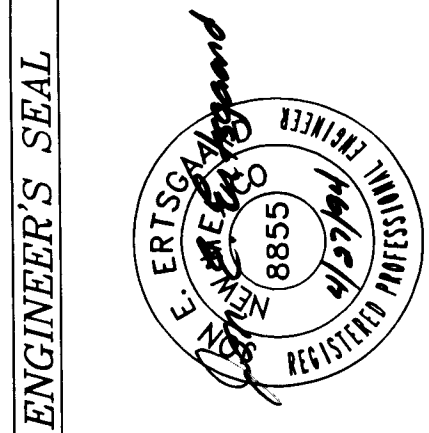
- AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO THE INSTALLATION OF EACH SERVICE LINE, THE CONTRACTOR SHALL DISTRIBUTE A WRITTEN NOTICE TO EACH EXISTING RESIDENCE OR BUSINESS TO BE SERVICED BY THE LINE. SUCH NOTICE SHALL:
1. GIVE ADDRESS OF THE HOUSE OR BUSINESS TO BE SERVED.
2. STATE THAT A SEWER LINE SERVICE 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 CITY CONSTRUCTION MANAGER AT THE SAME TIME THEY ARE DISTRIBUTED.

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

AFTER CONSTRUCTION:

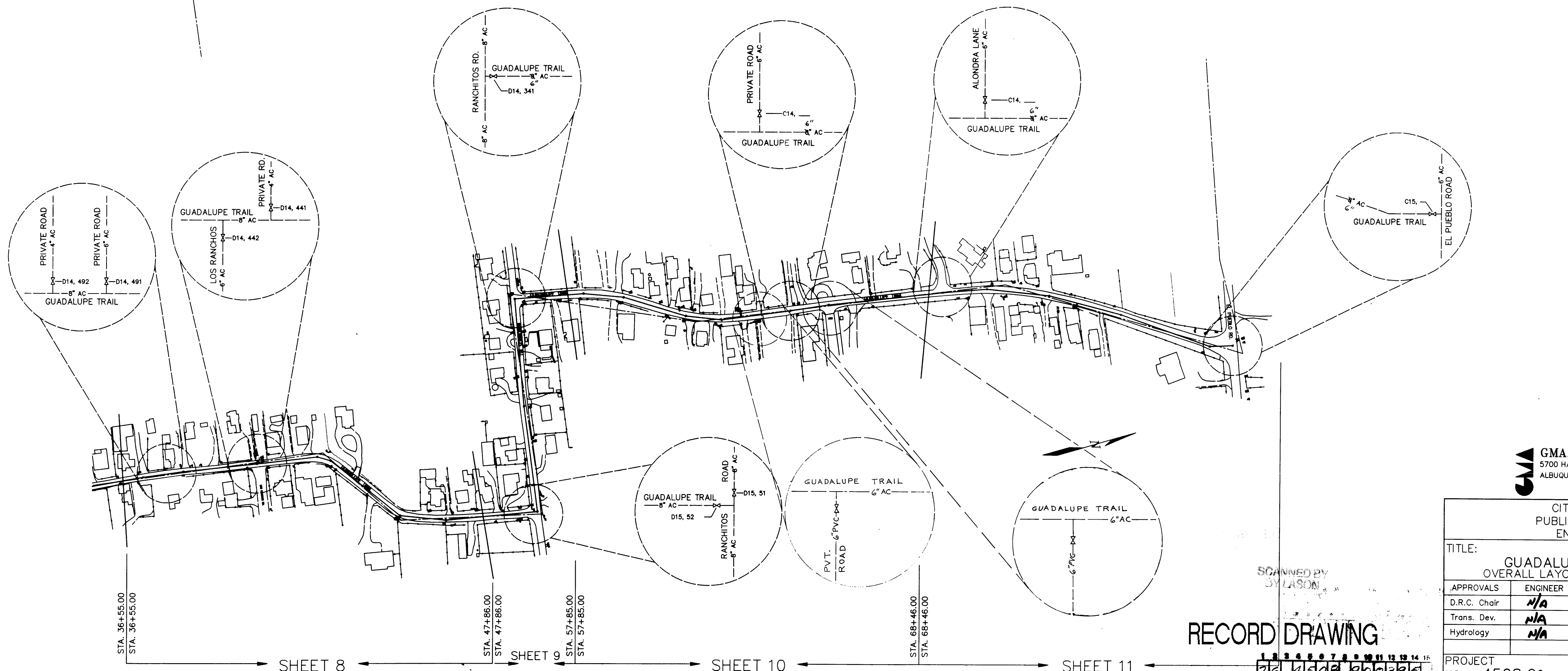
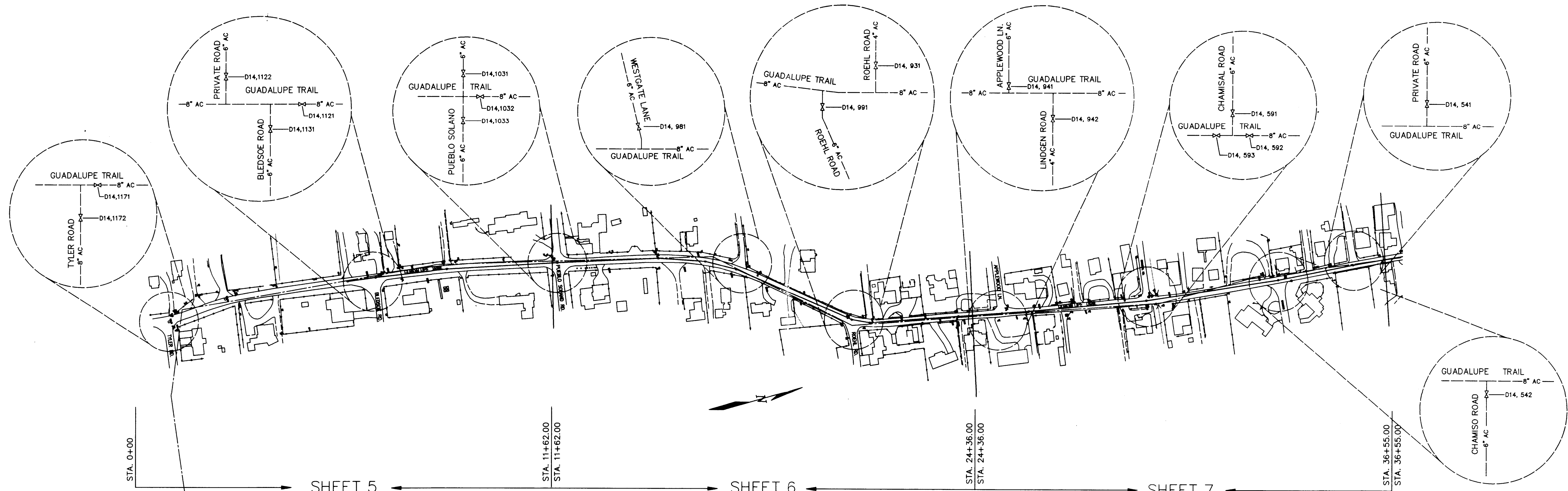
1. NOTICE SHALL BE DELIVERED NOT MORE THAN SEVEN CALENDAR DAYS FOLLOWING CONSTRUCTION COMPLETION ON EACH LINE SEGMENT.
2. THE WRITTEN NOTICE IS TO STATE:
- A. CONTRACTOR'S NAME, ADDRESS, AND TELEPHONE NUMBER.
- B. THANK RESIDENTS AND BUSINESSES FOR COOPERATION AND REPORT THAT WORK IS COMPLETED IN THE APPROPRIATE AREA.

RECORD DRAWING



GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION GUADALUPE TRAIL INTERCEPTOR					
TITLE: DRAWING INDEX, LEGEND & GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	<i>Regan Shaw</i>	5/3/94
Trans. Dev.	N/A		Waste Water	"	"
Hydrology	N/A				
PROJECT NO. 4508.90			MAP NO.		SHEET 2 OF 11



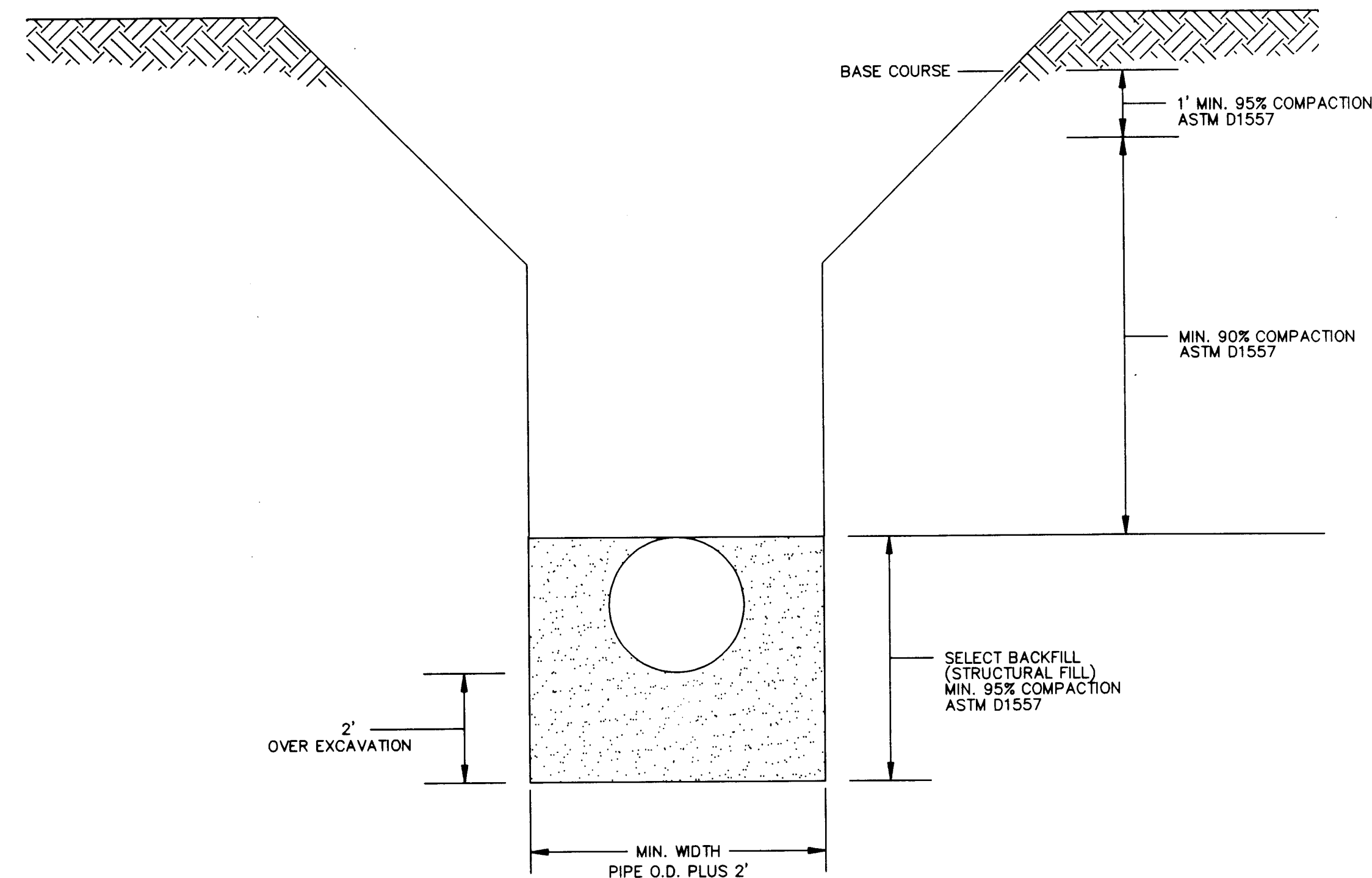
INTERCEPTOR VALVE LOCATIONS										INTERCEPTOR LOCATION									
NO. 14										NO. 11									
SHEET 3										OF									
Water																			
ENGINEER <i>Ryan H</i>										DATE <i>5/5/94</i>									

GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GUADALUPE TRAIL INTERCEPTOR OVERALL LAYOUT & WATER VALVE LOCATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	R. J. J. J.	5/3/94
Trans. Dev.	N/A		Waste Water	"	"
Hydrology	N/A				
PROJECT NO. 4508.90		MAP NO. C-14,D-14		SHEET 3 OF 11	

RECORD DRAWING

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4508.90 5375



EXISTING CONCRETE HEADWALL (TYPICAL)

MINIMUM 1' CLEARANCE FROM EXISTING CONCRETE HEADWALL

SEAL JOINT WITH NON-SHRINK GROUT AND INSTALL CONCRETE COLLAR 12" WIDE BY MIN. 6" THICK, CENTERED ON JOINT

SAW CUT PIPE TO REMOVE EXISTING SIPHON CROSSING. PROVIDE NEW PIPE REPLACEMENT TO THE SAME SECTION AS THE ORIGINAL CROSSING. INTERIOR OF NEW JOINT IS TO BE FILLED WITH NON-SHRINK GROUT THEN SEALED WITH A MASTIC JOINT SEALER (RAM-NEK, KENT SEAL, OR APPROVED EQUAL) TO CITY OF ALBUQUERQUE STANDARDS.

MIN. 95% COMPACTION BENEATH CROSSING INSTALLATION.

NON-SHRINK GROUT

CHAMISAL WASTE WAY
(36" RCP REMOVAL AND REPLACEMENT)
NTS

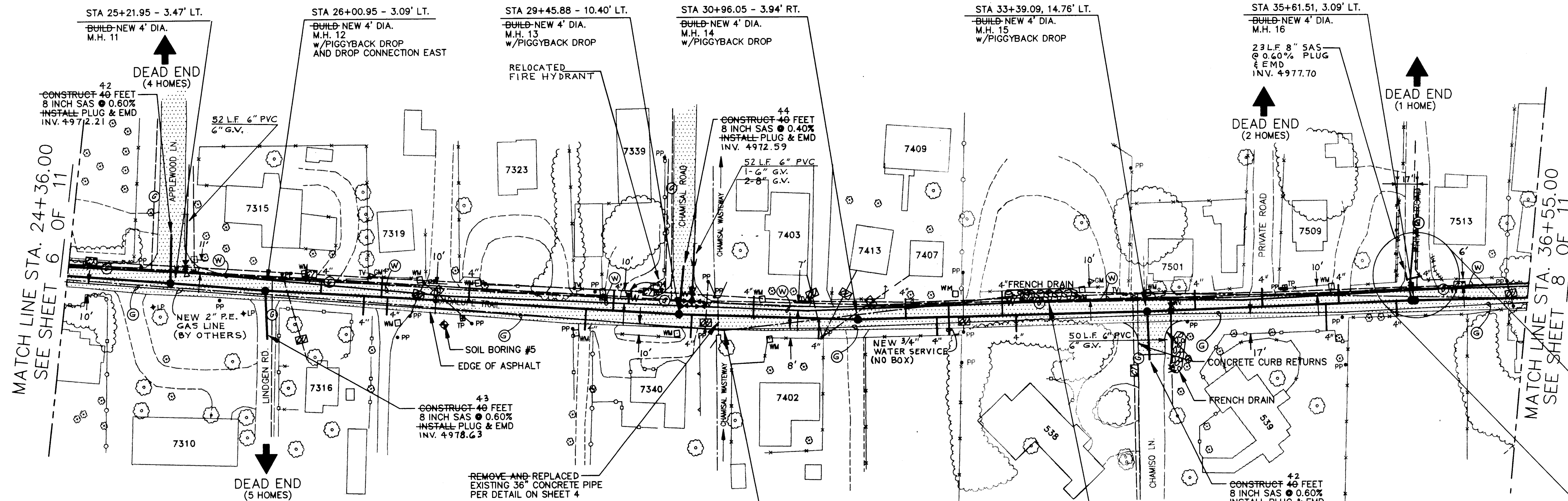
GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: GUADALUPE TRAIL INTERCEPTOR MISCELLANEOUS DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	<i>Ryan Khan</i>	9/3/24
Trans. Dev.	N/A		Waste Water	"	"
Hydrology	N/A				
PROJECT NO. 4508.90		MAP NO.		SHEET 4 OF 11	

RECORD DRAWING

[illegible]



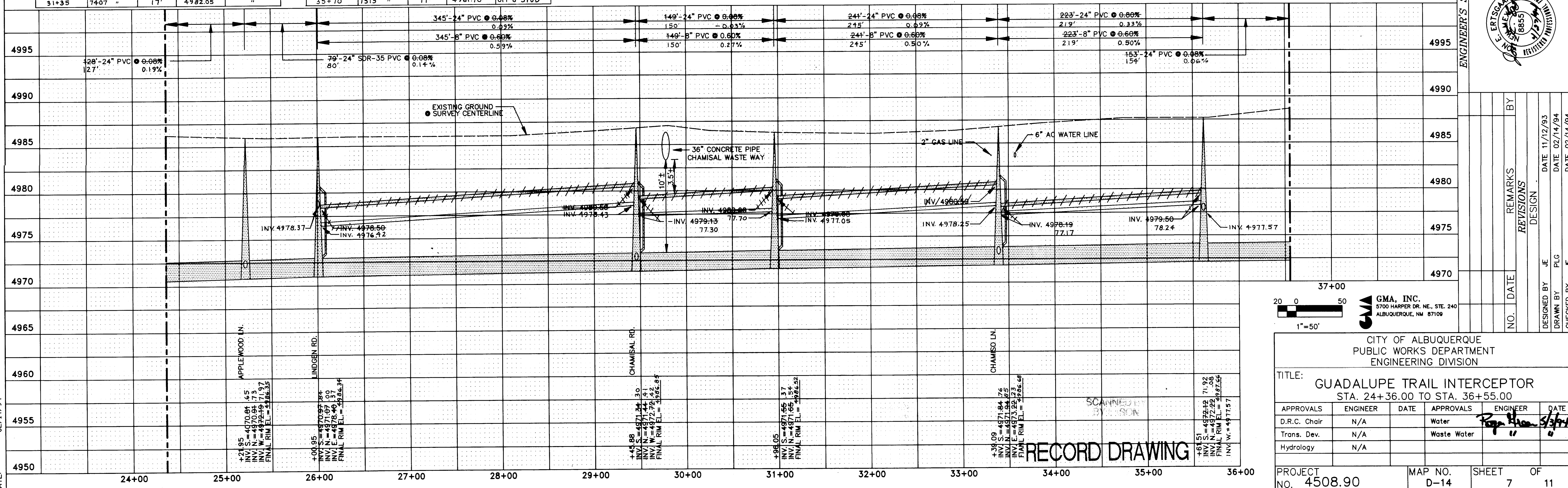
SEWER SERVICE SCHEDULE				
STATION	SERVICE ADDRESS	OFFSET	SERVICE INVERT ELEV.	COMMENTS
26+47	7315 G.T.	20'	4981.18	C.I. SOIL PIPE
26+83	7316 "	15'	4980.80	"
26+97	7319 "	18'	4981.25	"
27+03	7326 "	15'	4978.20	"
27+70	7323 "	22'	4979.90	"
28+68	7336 "	17'	4979.10	"
28+90	7339 "	17'	4980.10	"
29+55	7340 "	20'	4981.50	"
30+10	7403 "	17'	4981.78	"
31+35	7407 "	17'	4982.05	"

SEWER SERVICE SCHEDULE CONT				
STATION	SERVICE ADDRESS	OFFSET	SERVICE INVERT ELEV.	COMMENTS
31+62	TRACT 210	15'	4981.28	C.I. SOIL PIPE
32+18	7415 G.T.	20'	4980.39	"
32+22	538 CHAMISO	14'	4980.17	"
33+19	7501 G.T.	17'	4981.43	"
34+35	7505 "	18'	4978.75	"
34+88	539 CHAMISO	14'	4982.03	"
34+98	7509 G.T.	17'	4981.83	"
35+46	TRACT 97	12'	4979.77	"
30+64	7402 G.T.	17'	4981.68	"
35+70	7513 "	11'	4981.70	OFF 8' STUB

GUADALUPE TRAIL

NOTE:
THE DISTANCE BETWEEN MANHOLE CENTERS IS SHOWN IN THE PROFILE.
THE DISTANCE MAY BE DIFFERENT FROM THAT OBTAINED BY SUBTRACTING
MANHOLE STATIONING SINCE STATIONING IS DETERMINED FROM AN OFFSET
BASELINE NOT NECESSARILY PARALLEL TO THE SEWER LINE. THE SEWER
LINE SLOPE IS COMPUTED FROM THE DIFFERENCE IN MANHOLE INVERTS
DIVIDED BY THE OUT-TO-OUT DISTANCE BETWEEN MANHOLES.

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



20 0 50
1"=50'

GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

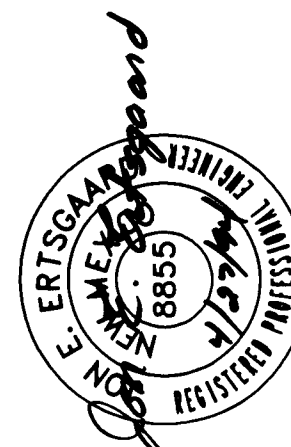
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GUADALUPE TRAIL INTERCEPTOR STA. 24+36.00 TO STA. 36+55.00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	Per the 5/3/94	
Trans. Dev.	N/A		Waste Water		
Hydrology	N/A				
PROJECT NO. 4508.90		MAP NO. D-14		SHEET 7 OF 11	

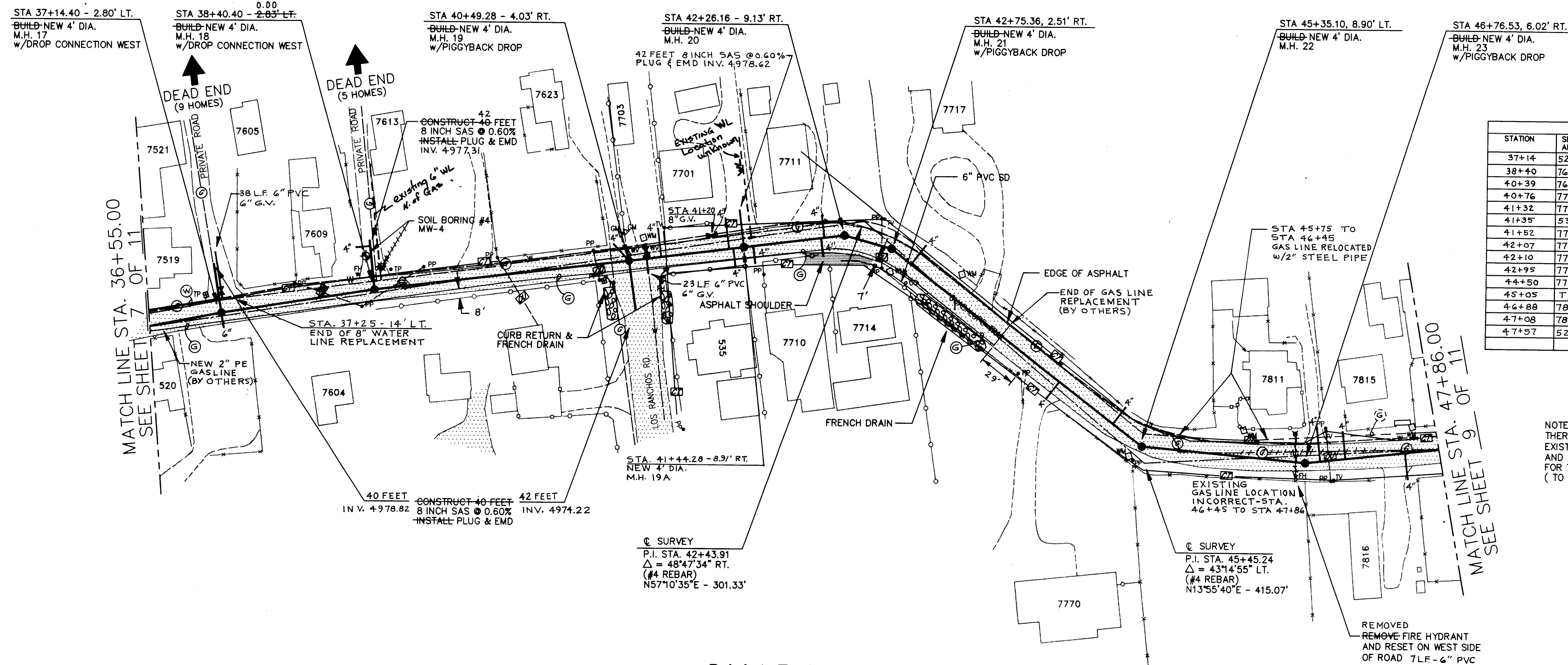
RECORD DRAWING

26 4508.90 07975

FILENAME: GUADALUPE TRAIL
PROJECT NAME: GUADALUPE TRAIL
PROJECT NO.: 4508.90
DATE: 02/14/94

DRAWN BY: PLG
DESIGNED BY: JE



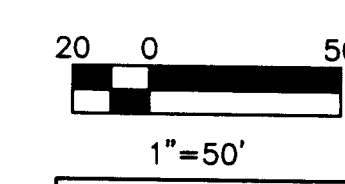
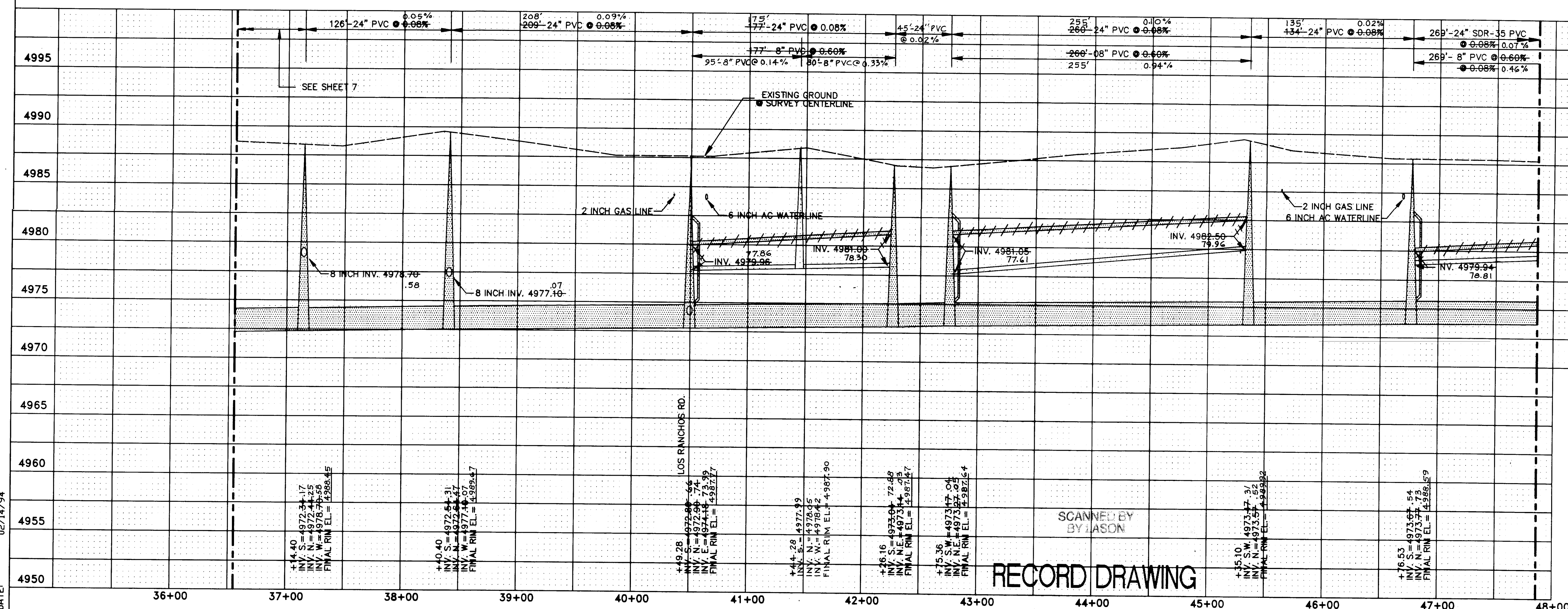


SEWER SERVICE SCHEDULE				
STATION	SERVICE ADDRESS	OFFSET	SERVICE INVERT ELEV.	COMMENTS
37+14	520 L.R.	17'	4978.84	C.I. SOIL PIPE
38+40	7609 G.T.	14'	4984.08	"
40+39	7623 "	18'	4981.59	"
40+76	7703 "	20'	4982.27	"
41+32	7701 "	24'	4982.89	"
41+35	535 L.R.	14'	4983.31	"
41+52	7710 G.T.	14'	4983.26	"
42+07	7714 "	19'	4982.75	"
42+10	7711 "	24'	4983.22	"
42+95	7717 "	22'	4981.91	"
44+50	7770 "	20'	4980.90	"
45+05	TRACT B	18'	4981.03	"
46+88	7811 G.T.	28'	4982.48	"
47+08	7815 "	26'	4982.80	"
47+57	520 RANCHITOS	18'	4980.28	"

NOTE:
THERE IS A POTENTIAL CONFLICT WITH THE EXISTING GAS LINE BETWEEN STA. 45+60 ± AND 49+35 ± THAT MAY REQUIRE PROVISIONS FOR TEMPORARY SRVICE AND FOR GAS LINE RELOCATION (TO BE COORDINATED WITH THE GAS CO. OF NEW MEXICO.)

GUADALUPE TRAIL

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

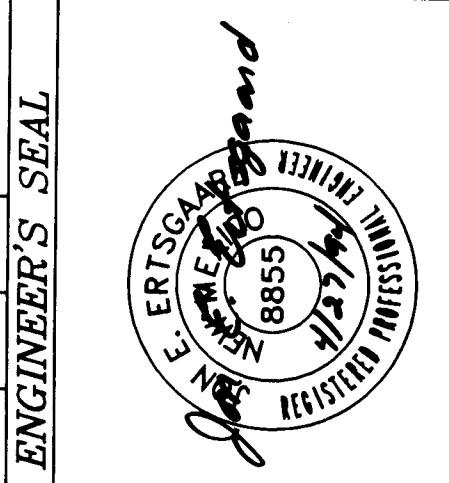


GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

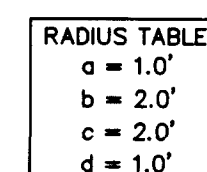
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GUADALUPE TRAIL INTERCEPTOR STA. 36+55.00 TO STA. 47+86.00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	<i>Page 1/1</i>	
Trans. Dev.	N/A		Waste Water		
Hydrology	N/A				
PROJECT NO. 4508.90		MAP NO. D-14,15		SHEET 8 OF 11	

RECORD DRAWING

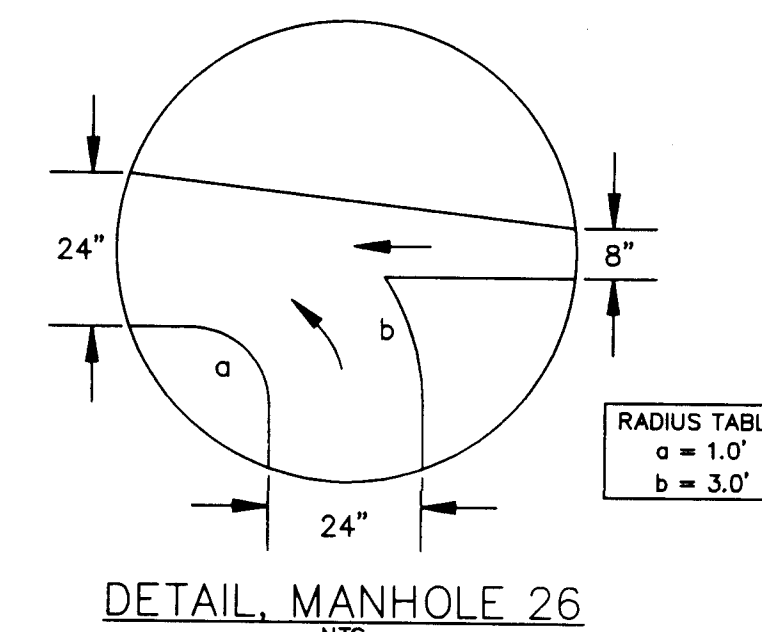
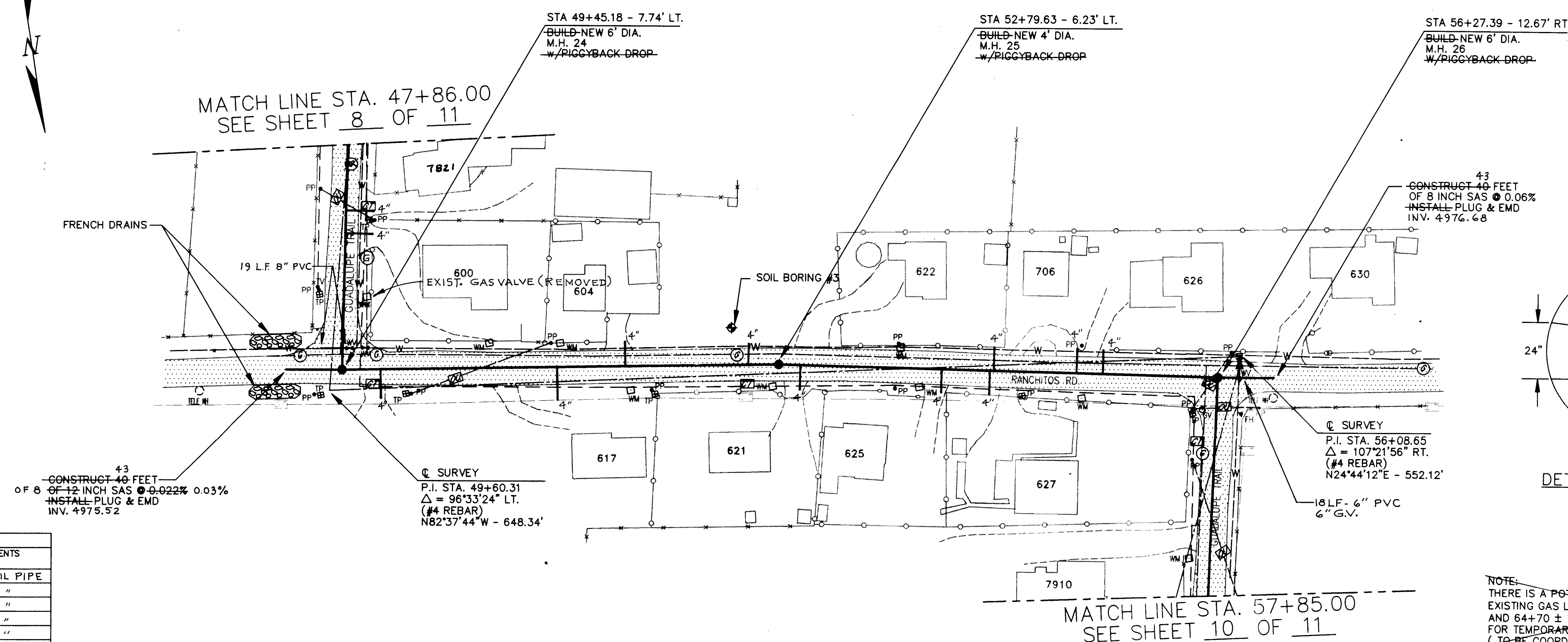
DRAWN BY: PG
DESIGNED BY: JE
PROJECT NO.: 4508.90
DATE: 02/14/94



NO.	DATE	REMARKS	BY
1.	08/25/93	DESIGN	JE
2.	02/14/94	DESIGN	PG
	02/14/94		JE



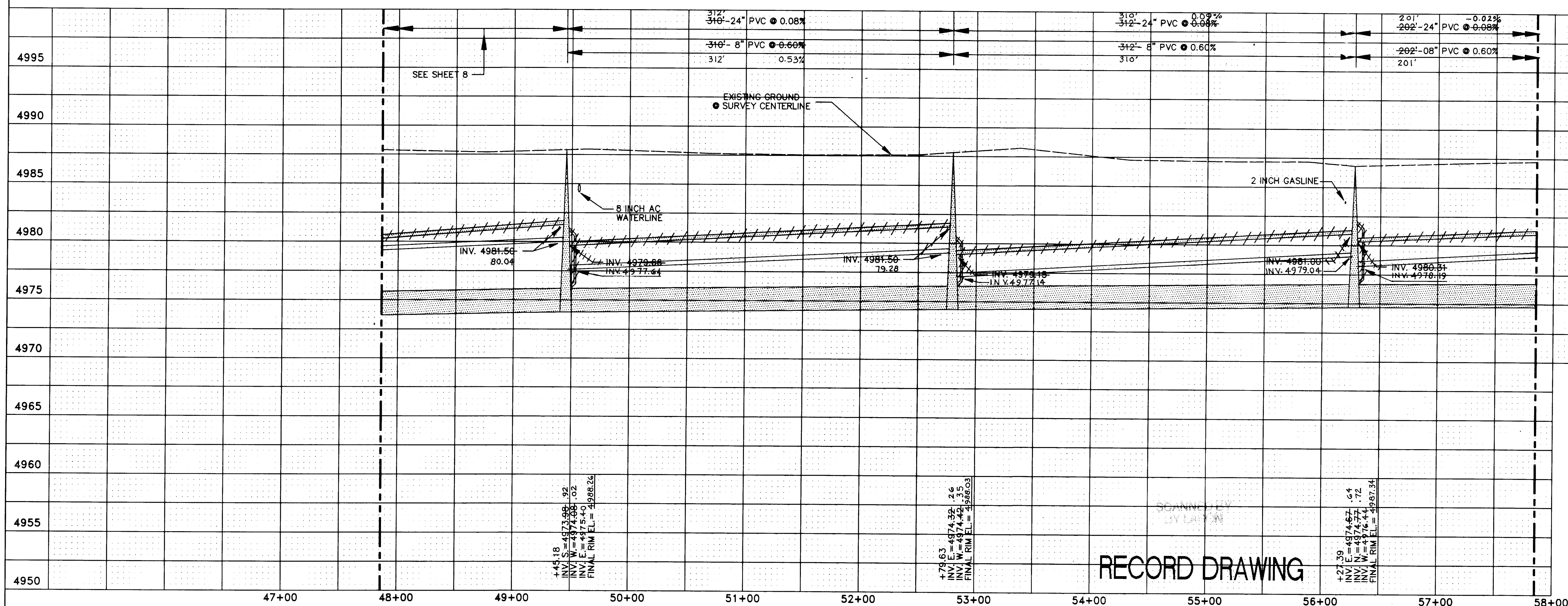
SEWER SERVICE SCHEDULE				
STATION	SERVICE ADDRESS	OFFSET	SERVICE INVERT ELEV.	COMMENTS
48+32	7821 G.T.	23'	4981.97	CI SOIL PIPE
48+49	600 RANCHITOS	2.4'	4984.19	"
49+72	LOT 26A 12	2.0'	4982.21	"
50+97	617 RANCHITOS	2.2'	4981.67	"
51+45	604 "	2.0'	4982.52	"
52+57	TR. 22 A+B	18'	4982.35"	"
52+93	621 RANCHITOS	2.2'	4982.12	"
53+93	625 "	2.2'	4982.31	"
54+27	627 "	2.0'	4981.86	"
54+30	622 "	2.0'	4981.72	"
54+89	706 "	2.0'	4983.47	"
55+10	626 "	2.0'	4982.05	"



NOTE:
THERE IS A POTENTIAL CONFLICT WITH THE
EXISTING GAS LINE BETWEEN STA. 56+20 ±
AND 64+70 ± THAT MAY REQUIRE PROVISIONS
FOR TEMPORARY SERVICE AND FOR GAS LINE RELOCATION
(TO BE COORDINATED WITH THE GAS CO. OF NEW MEXICO.)
(CONFLICT DID NOT MATERIALIZE)

GUADALUPE TRAIL AND RANCHITOS ROAD

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



RECORD DRAWING

20 0 50
1"=50'

GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

CITY OF ALBUQUERQUE	
PUBLIC WORKS DEPARTMENT	
ENGINEERING DIVISION	
TITLE:	GUADALUPE TRAIL INTERCEPTOR STA. 47+86.00 TO STA. 57+85.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	<i>Rajendra</i>	5/1/17
Trans. Dev.	N/A		Waste Water	"	"
Hydrology	N/A				

PROJECT NO. 4508.90	MAP NO. D-14,D-15	SHEET 9	OF 11
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<i>AS BUILT INFORMATION</i>		
CONTRACTOR	MCC INC.	
WORK		
INSTALLED BY	ALDRICH SURVIVING	DATE 1984 - 1985
ACCEPTANCE BY	GMA, INC.	DATE 1994 - 1995
FIELD		
CERTIFICATION BY	GMA, INC.	DATE 1984 - 1995
CHECKED BY	GMA, INC.	DATE JUNE, 1995
<i>MICRO-FILM INFORMATION</i>		
RECORDED BY	DATE	

SURVEY INFORMATION			BENCH MARKS
FIELD NOTES			
NO.	BY	DATE	ACS 13-E15
1.	GMA, INC.	7/93	LOCATED 5.1 MILES NORTH OF DOWNTOWN, ON THE EAST SIDE OF FOURTH STREET, FROM THE FOURTH STREET & CENTRAL AVE. INTERSECTION GO NORTH ON FOURTH ST.
2.	GOOGLE & POOLLS	12/87	6.6 MILES TO EL PUEBLO RD., THEN WEST 0.6 MILES.
	PHOTOGRAMMETRY		ELEV. 4991.600

[illegible]

SEWER SERVICE SCHEDULE				
STATION	SERVICE ADDRESS	OFFSET	SERVICE INVERT ELEV.	COMMENTS
58+02	7910 G.T.	16.5'	4982.49	CI SOIL PIPE
58+20	7911 "	18'	4982.53	"
58+41	TRACT 13	17.5'	4982.68	"
59+33	8001 G.T.	23'	4981.52	"
59+87	7914 "	20.5'	4983.18	"
60+43	TRACT 8-A	19.5'	4981.98	"
60+57	8007 G.T.	17.5'	4983.03	"
61+02	8011 "	18'	4982.18	"
61+10	8008 "	22'	4983.08	"
61+38	8006 "	18'	4981.13	"
61+50	TRACT 189 b	20'	4981.06	"
62+10	8202 G.T.	21.5'	4983.18	"
62+18	8015 "	12'	4981.13	"
62+47	8017 "	18'	4981.10	"
63+19	8120 "	22'	4981.94	"
63+37	8201 "	19'	4981.44	"
63+96	TRACT 72A2D	19'	4981.78	"
64+59	8216 G.T.	14'	4982.80	"
65+89	8203 "	27'	4980.38	"

NOTE:
THE DISTANCE BETWEEN MANHOLE CENTERS IS SHOWN IN THE PROFILE.
THE DISTANCE MAY BE DIFFERENT FROM THAT OBTAINED BY SUBTRACTING
MANHOLE STATIONS, SINCE STATIONING IS DETERMINED FROM AN OFFSET
BASELINE NOT NECESSARILY PARALLEL TO THE SEWER LINE. THE SEWER
LINE SLOPE IS COMPUTED FROM THE DIFFERENCE IN MANHOLE INVERTS
DIVIDED BY THE OUT-TO-OUT DISTANCE BETWEEN MANHOLES.

NOTE:
THERE IS A POTENTIAL CONFLICT WITH THE
EXISTING GAS LINE AT STA. 64+64.1.
EXTENDING WEST, THAT MAY REQUIRE PROVISIONS
FOR TEMPORARY SERVICE AND FOR GAS LINE RELOCATION
(TO BE COORDINATED WITH THE GAS CO. OF NEW MEXICO).
CONFLICT DID NOT MATERIALIZE

☉ SURVEY
P.I. STA. 61+60.77
Δ = 15°08'52"LT.
(#4 REBAR)
N09°35'21"E - 911.18'

42
CONSTRUCT 40-FOOT
8 INCH SAS @ 0.40%
INSTALL PLUG & EMD
INV. 4977.34

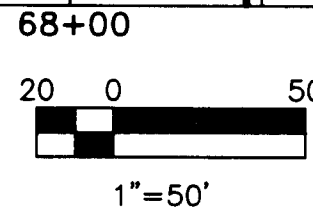
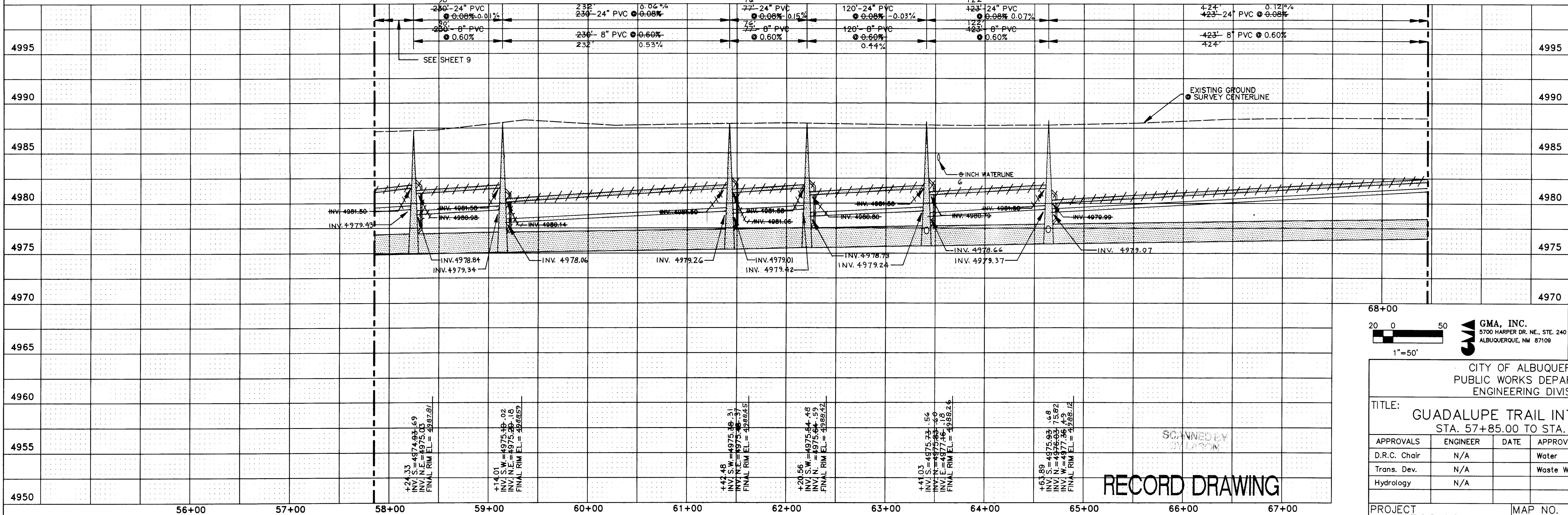
42
CONSTRUCT 40-FOOT
8 INCH SAS @ 0.40%
INSTALL PLUG & EMD
INV. 4977.45

CATCH BASIN &
FRENCH DRAIN

NOTE:
JONES INTERCABLE INTENDS TO INSTALL
NEW CONDUIT ACROSS GUADALUPE TRAIL
AT APPROXIMATELY STA. 64+50
PROVIDE TONY MARTINEZ AT JONES INTERCABLE TWO WEEKS
NOTICE PRIOR TO REPAVING ACTIVITIES IN THIS AREA.
DID NOT OCCUR

GUADALUPE TRAIL

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



GMA, INC.
5700 HARPER DR. NE., STE. 240
ALBUQUERQUE, NM 87109

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: GUADALUPE TRAIL INTERCEPTOR STA. 57+85.00 TO STA. 68+46.00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	N/A		Water	<i>[Signature]</i>	9/14/94
Trans. Dev.	N/A		Waste Water	<i>[Signature]</i>	9/14/94
Hydrology	N/A				
PROJECT NO. 4508.90		MAP NO. C-14,D-14		SHEET 10 OF 11	

RECORD DRAWING

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	DATE	BY	ACCS 13-E15	LOCATED 5.1 MILES NORTH OF DOWNTOWN, ON THE EAST SIDE OF FOURTH STREET, FROM THE FOURTH STREET & CENTRAL AVE. INTERSECTION GO NORTH ON FOURTH ST. 6.6 MILES TO EL PUEBLO RD., THEN WEST 0.6 MILES. ELEV. 4991.600		CONTRACTOR	DATE	
1.	7/93	GMA, INC.				INSPECTOR'S	DATE	
2.	12/87	GROUND CONTROL				FIELD	DATE	
		GOOGLE & POOLS				VERIFICATION BY	DATE	
		PHOTOGRAMMETRY				CORRECTED BY	DATE	
						MICRO-FILM INFORMATION		
						RECORDED BY	DATE	

