

• L E G E N D •

MATERIALS

CONCRETE	
RIP-RAP	

LINES

SUBDIVISION BOUNDARY	
PROPERTY LINE (PLAN)	
PROPERTY LINE (SECTION)	
CENTERLINE	
EASEMENT LINE	
MATCH LINE	
SECTION CUT LINE	

EARTHWORK

	EXISTING	NEW
CONTOUR LINE		
SPOT ELEVATION		
PROJECT / PHASE BOUNDARY		
SWALE		
DIRECTION OF FLOW		

MISCELLANEOUS UTILITIES

GAS LINE		
UNDERGROUND TELEPHONE		
UNDERGROUND ELECTRICAL		
STORM DRAIN		
STORM DRAIN MANHOLE		
STORM DRAIN INLET		

SANITARY SEWER

SANITARY SEWER LINE		
SANITARY SEWER MANHOLE		
SAS SERVICE CONNECTIONS		
SAS CAP OR PLUG		
ENCASEMENT		

WATER

WATER LINE		
WATER SERVICE CONNECTIONS		
GATE VALVE		
FIRE HYDRANT		
BUTTERFLY VALVE		
REDUCER		
WATER PRESSURE ZONE BOUNDARY		

WATER FITTINGS

CAPS AND PLUGS		
ELBOW		
CROSS		
TEE		

MISCELLANEOUS

CHAINLINK FENCE		
FIELD FENCE		
COMMON YARD WALL		
RETAINING WALL		
POWER OR TELEPHONE POLE		

CONSTRUCTION PLANS
FOR

STORMWATER LIFT STATION
WATER SERVICES MODIFICATIONS

ALBUQUERQUE, NEW MEXICO

OCTOBER, 1989

INDEX OF DRAWINGS

- COVER SHEET, INDEX OF DRAWINGS, LEGEND AND GENERAL NOTES
- GENERAL SITE PLAN
- BARELAS LIFT STATION NO. 32
- COMANCHE / DIVERSION LIFT STATION NO. 35
- PRINCETON LIFT STATION NO. 36
- BELL / COMMERCIAL LIFT STATION NO. 37
- DETAILS AND SECTIONS

GENERAL NOTES:
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986.

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.

5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.

7. CONTRACTOR SHALL COMPLY WITH SECTION 19 OF THE "STANDARD SPECIFICATIONS".

8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

9. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

10. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.

11. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON BASELINE STATIONING UNLESS OTHERWISE NOTED.

12. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

13. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.

14. ALL WATER VALVE BOXES, WATER METER BOXES AND MANHOLES ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE.

15. ALL NEW PAVEMENT MARKINGS WILL BE REQUIRED TO BE COMPLETED BY THE CONTRACTOR.

16. 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 ENGINEER. 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.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

JEFFREY G. MORTENSEN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
8547

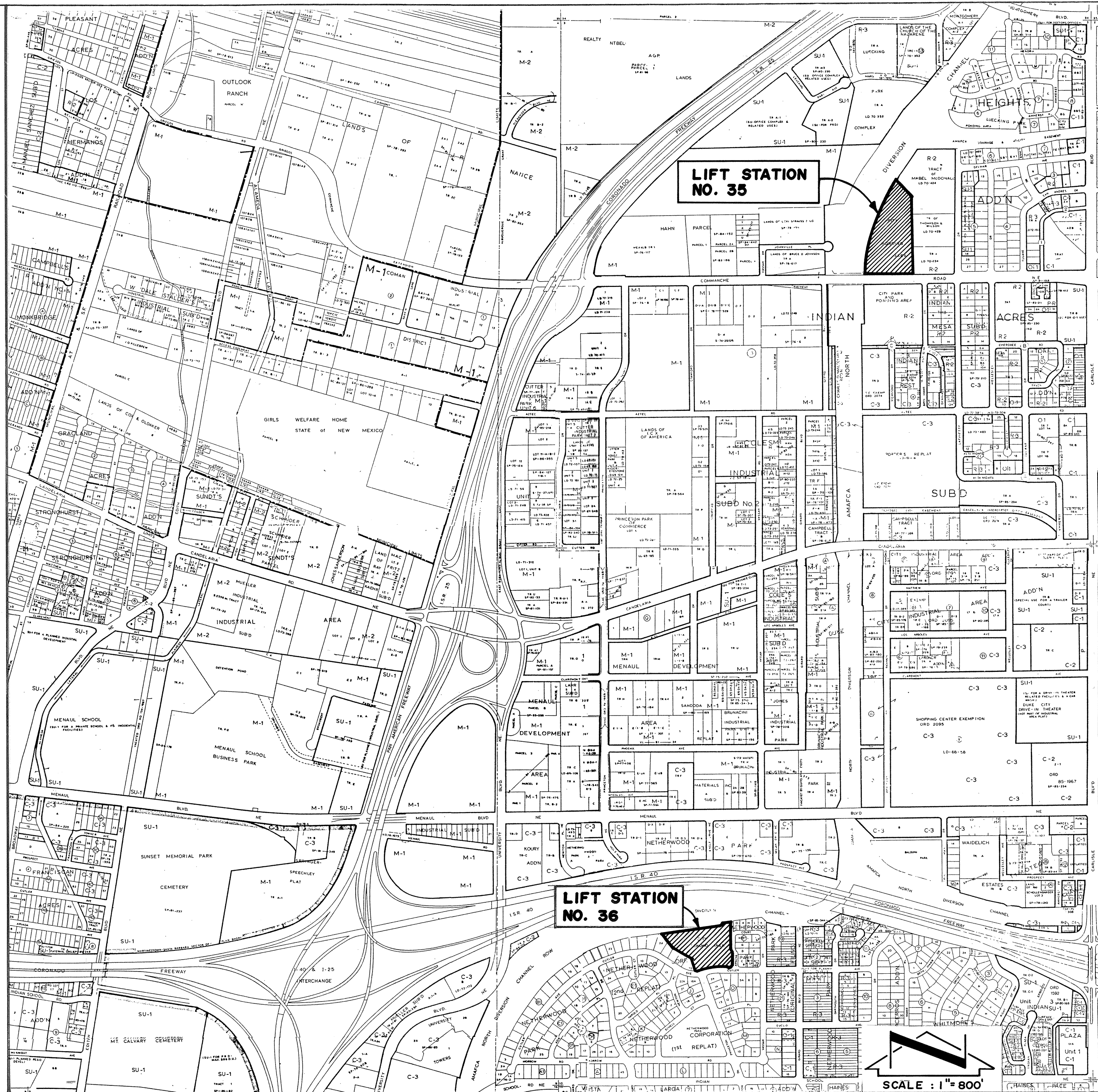
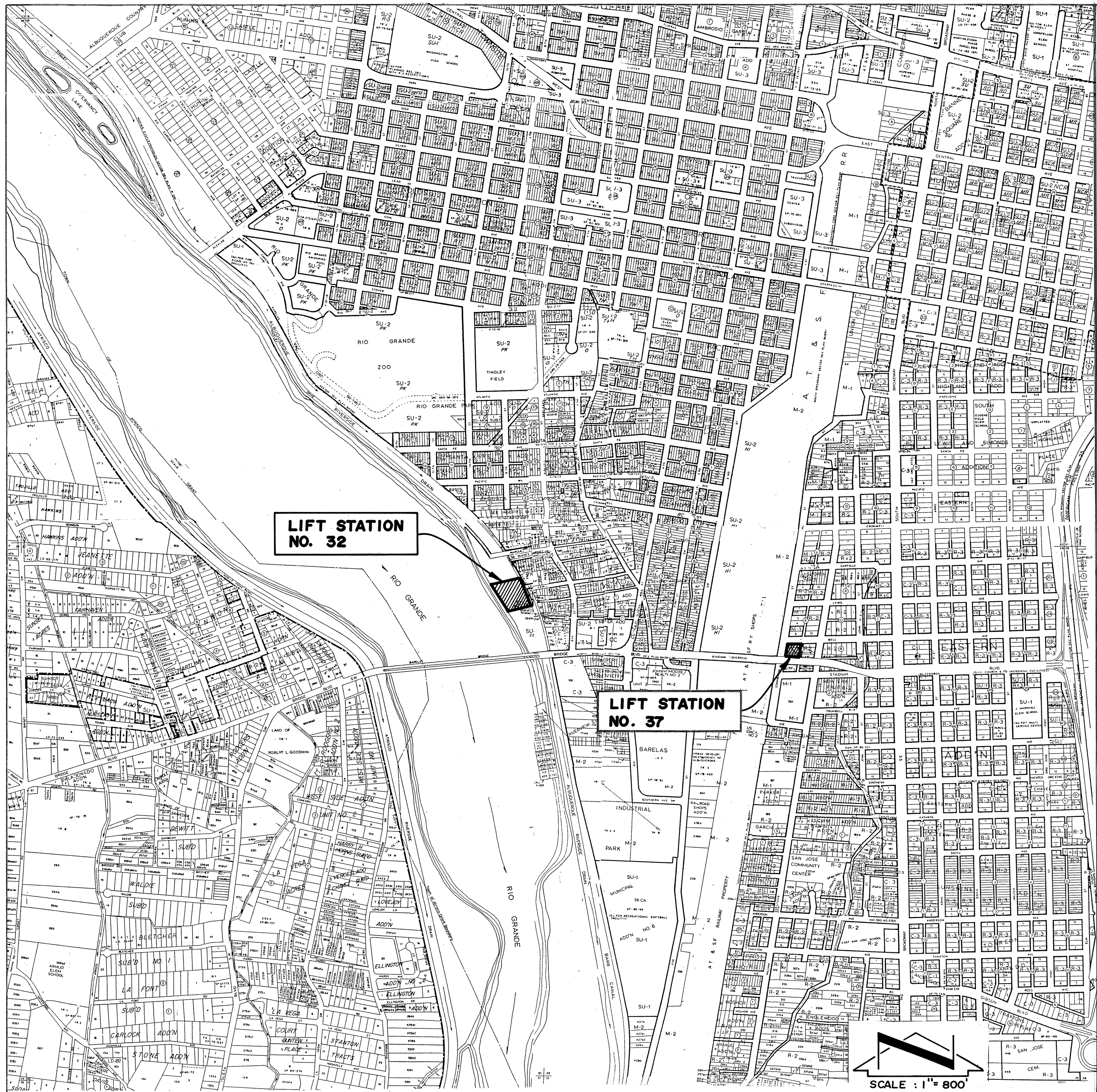
JEFF MORTENSEN & ASSOCIATES, INC.
811 CALLAS NE ALBUQUERQUE, NM 87110
ENGINEERS TELEPHONE (505) 255-5611

APPROVED FOR CONSTRUCTION

Jeffrey G. Mortensen
12-11-89 C.E.

DRAWING NO. 3844

SHEET 1 OF 7

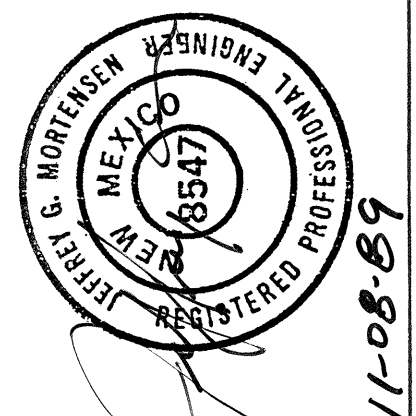


LIFT STATION NO.	LIFT STATION NAME	LOCATION	SHEET
32	BARELAS	BRIDGE / TINGLEY S.W.	3
35	COMANCHE	COMANCHE / NORTH DIVERSION CHANNEL	4
36	PRINCETON	PRINCETON / CUTLER N.E.	5
37	BELL / COMMERCIAL	101 BELL S.E.	6

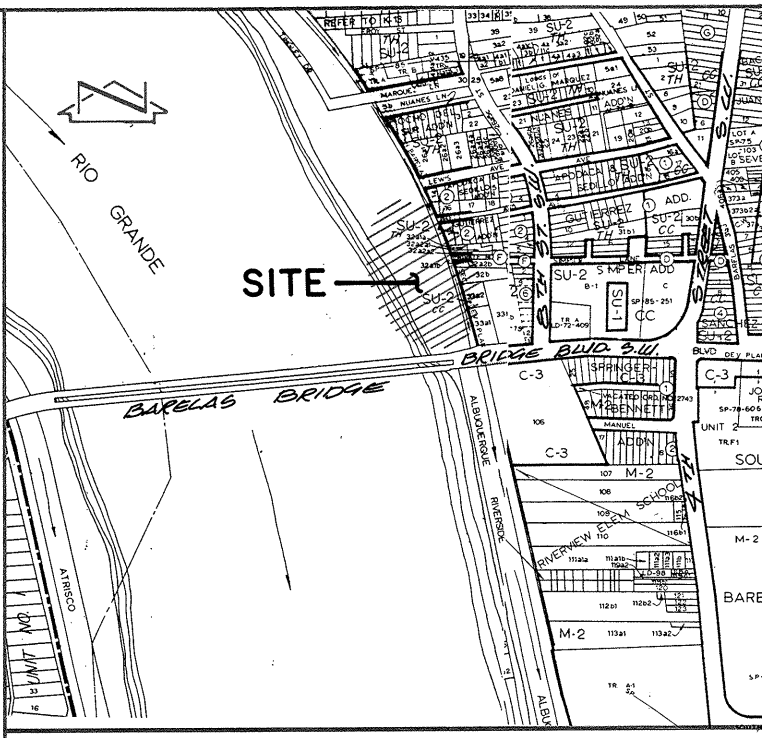
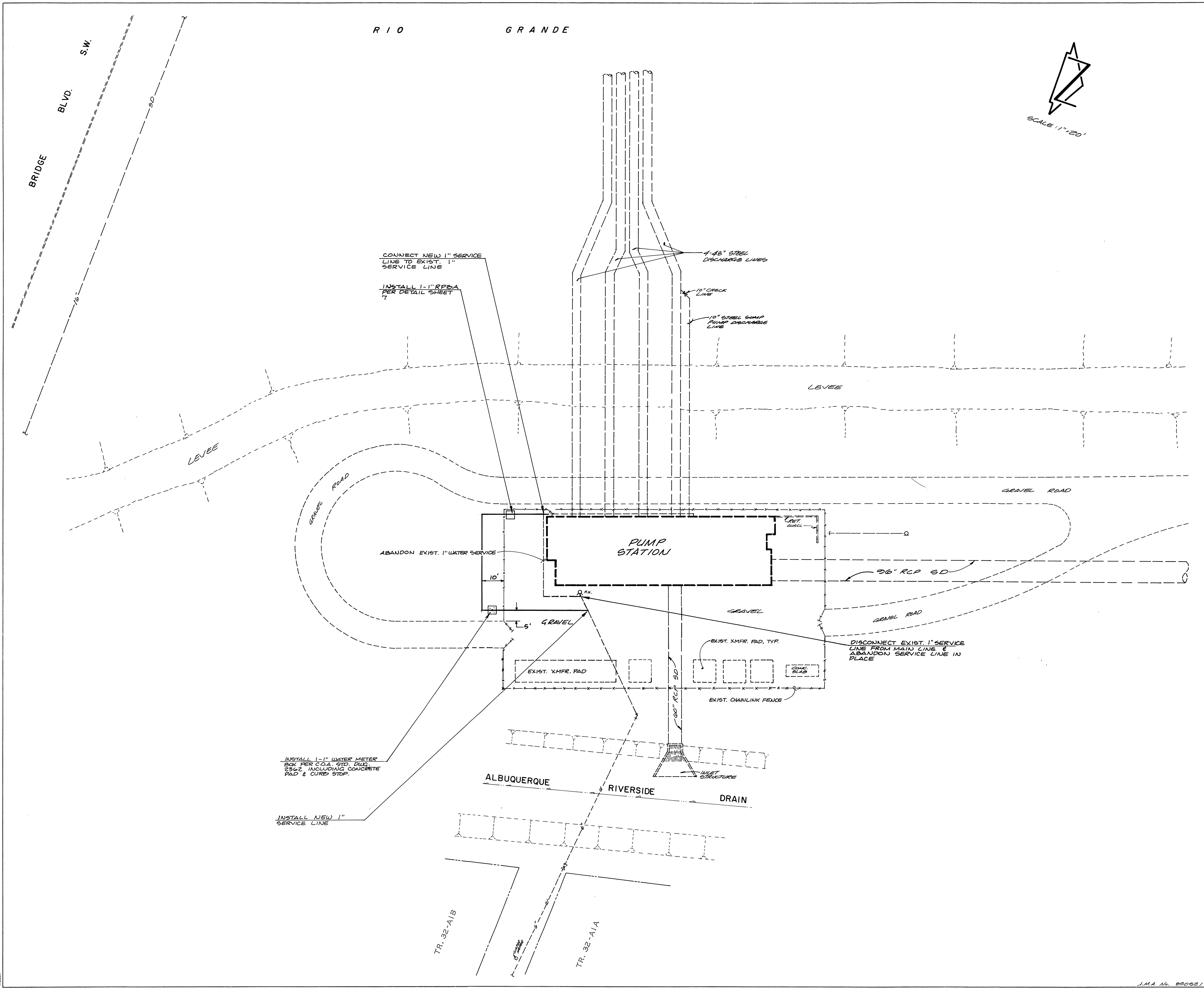
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WORKED BY		DATE	
INSPECTOR'S		DATE	
ACCEPTANCE BY		DATE	
DRAWING		DATE	
MICRO-FILM INFORMATION		DATE	
RECORDED BY		DATE	
NO		NO	

BENCH MARKS		FIELD NOTES		DATE	
NO.		BY		DATE	

ENGINEER'S SEAL		BY		DATE	
REMARKS		DESIGN		DATE	
DRAWN BY		DATE		DATE	
CHECKED BY		DATE		DATE	



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: STORMWATER LIFT STATION WATER SERVICE MODIFICATIONS GENERAL SITE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-11-89			
Trans. Dev.	<i>[Signature]</i>	12-8-89			
Utility Dev.	<i>[Signature]</i>	12-8-89			
HYD	<i>[Signature]</i>	12-11-89			
DRAWING NO.	3844	MAP NO.	N/A	SHEET	2 OF 7



VICINITY MAP L-13/14
SCALE: 1"=800'

- NOTES:
1. The purpose of the work detailed on this sheet is to install a standard City of Albuquerque water meter box and meter and Reduced Pressure Principle Backflow Prevention Assembly (RPBA) on the existing water service serving this stormwater lift station.
 2. The new water meter box must be provided with a heavy duty traffic rated lid.
 3. The location and sizes of existing facilities shown hereon have been taken from City of Albuquerque Record Drawings. No field verification other than visual observation has been undertaken, therefore, actual field conditions may vary from what is shown hereon.
 4. Two (2) working days prior to any excavation, contractor must contact Line Locating Service 765-1234, for the location of existing utilities.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	INSPECTOR'S	DATE	FIELD NAME	DATE	VERIFICATION BY	DATE	NO.	BY	DATE					
MICRO-FILM INFORMATION				REVISIONS				DESIGN				REVISIONS			
RECORDED BY	DATE	NO.		NO.	DATE	BY		NO.	DATE	BY		NO.	DATE	BY	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

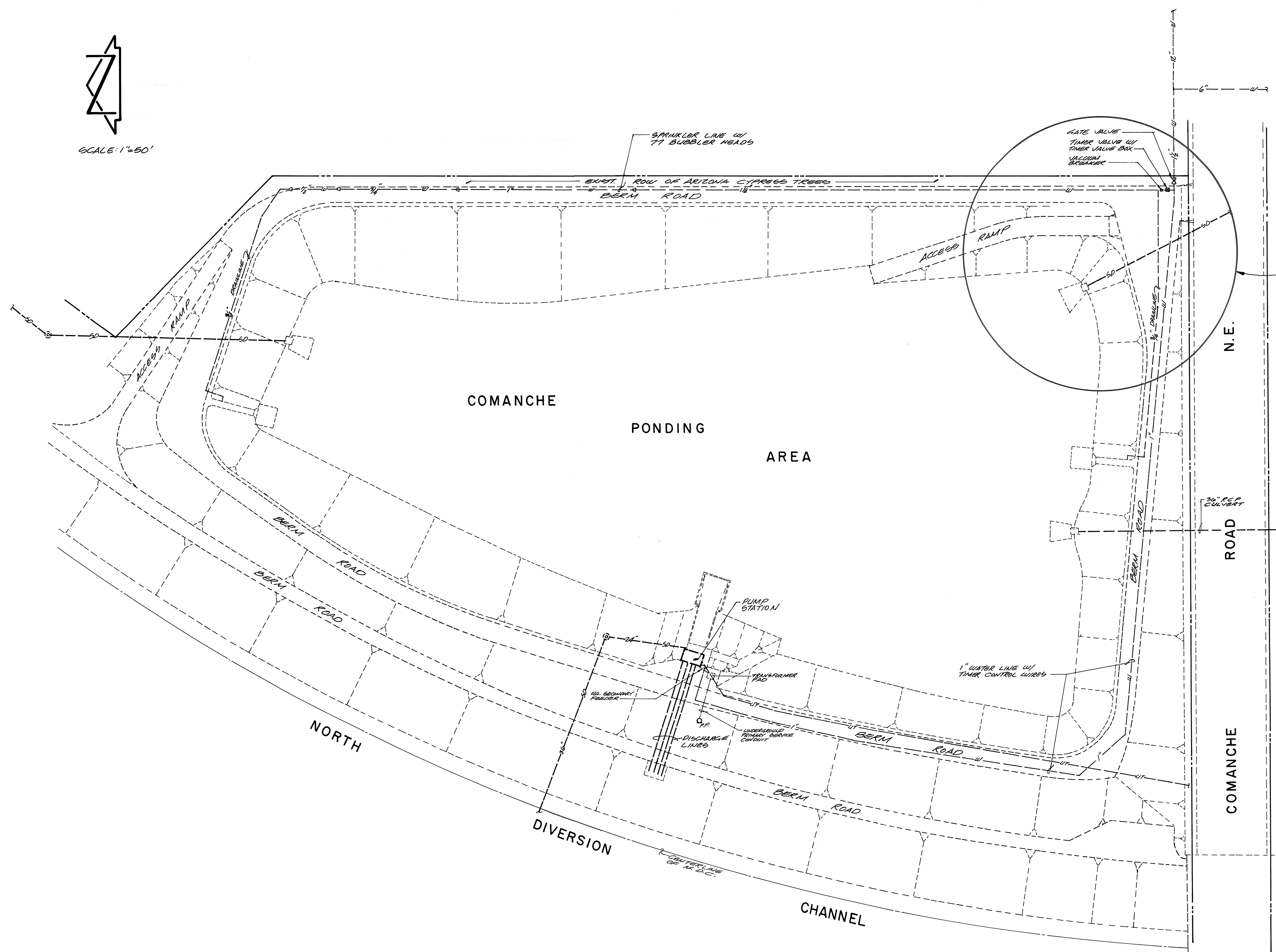
TITLE:
STORMWATER LIFT STATION WATER SERVICE MODIFICATIONS
BARELAS LIFT STATION NO. 32

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-11-09			
Trans. Dev.	N/A RWD	12-8-09			
Utility Dev.	R.W. Kane	12-8-09			
	N/A SAB	12-11-09			

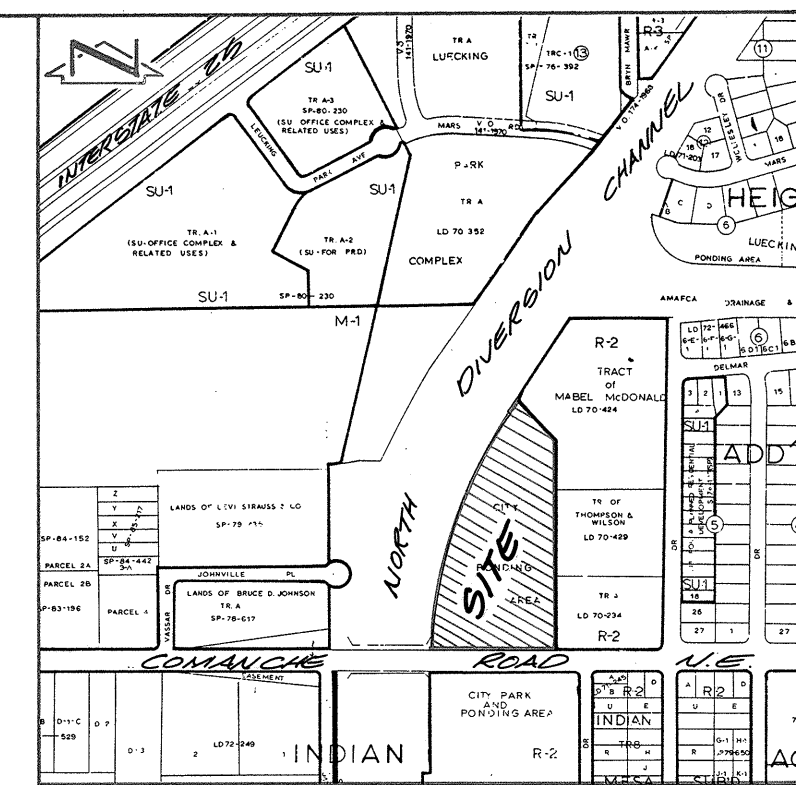
DRAWING NO. 3844 MAP NO. L-13 SHEET 3 OF 7

113597

J.M.A. 16. 80052/



EXACT LOCATION OF EXISTING SERVICE LINE UNKNOWN. CONTRACTOR SHALL LOCATE EXISTING SERVICE & INSTALL CURB STOP, METER BOX & ALL OTHER MATERIALS AS PER C.O.A. STD. DWG. 2363 EXCEPT THAT THE METER ITSELF SHALL BE DELETED FROM THE INSTALLATION. THE EXISTING SERVICE LINE SIZE IS NOT KNOWN BUT SHOWN AS 1/2" PER RECORD DRAWINGS.



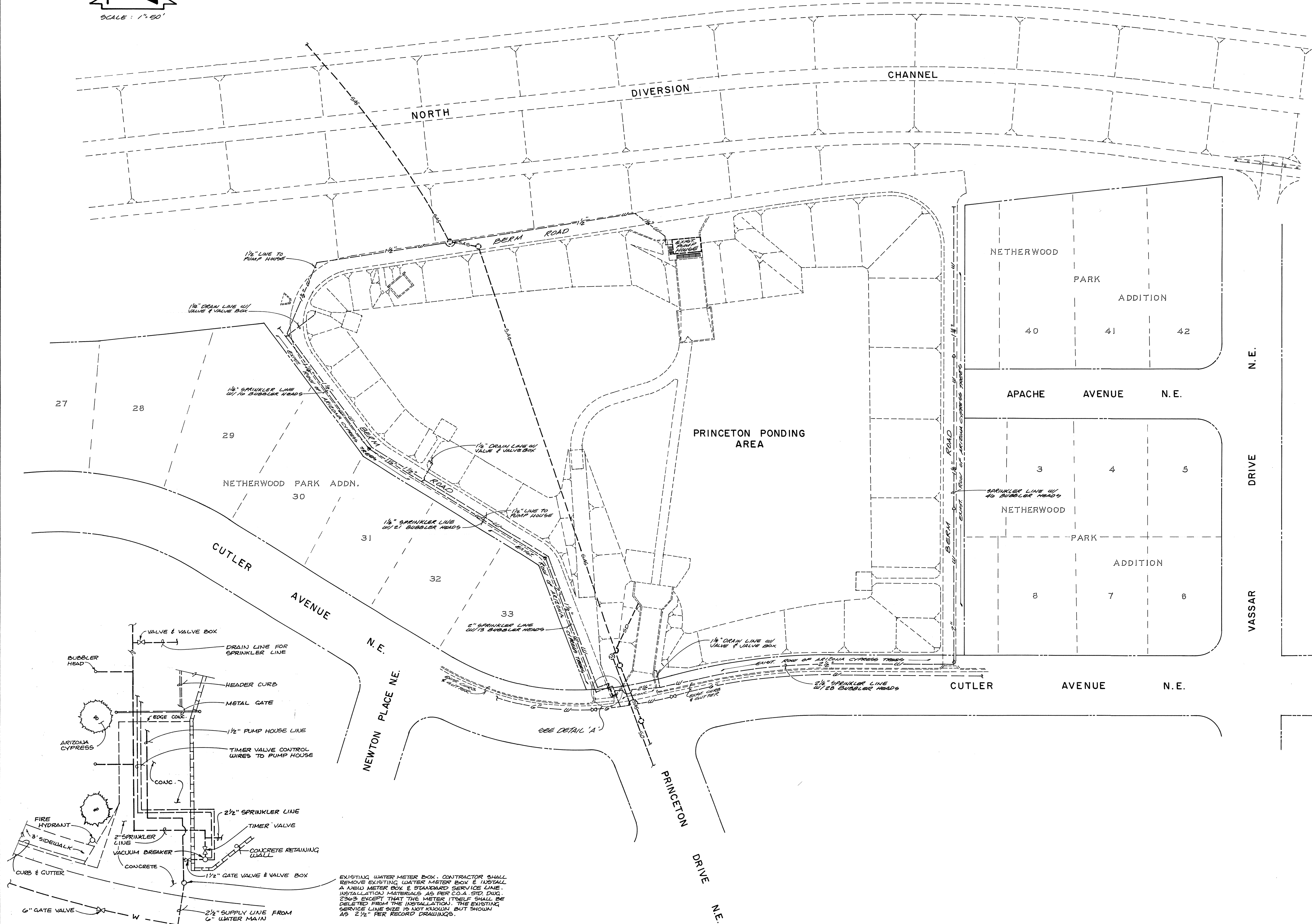
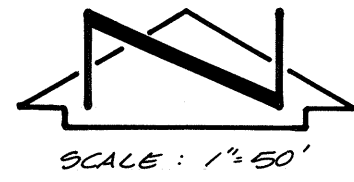
NOTES:

1. The purpose of the work detailed on this sheet is to disconnect the existing water service to this City of Albuquerque Stormwater Lift Station. In the event that water service will need to be restored to this facility in the future, a metered service (w/w meter) is proposed at this time.
2. The new water meter box must be provided with a heavy duty traffic rated lid.
3. The location and sizes of existing facilities shown hereon have been taken from City of Albuquerque Record Drawings. No field verification other than visual observation has been undertaken, therefore, actual field conditions may vary from what is shown hereon.
4. Two (2) working days prior to any excavation, contractor must contact Line Locating Service 765-1234, for the location of existing utilities.
5. The new water meter box must be located outside of the existing fence so that the meter box can be accessible at all times.

[illegible]

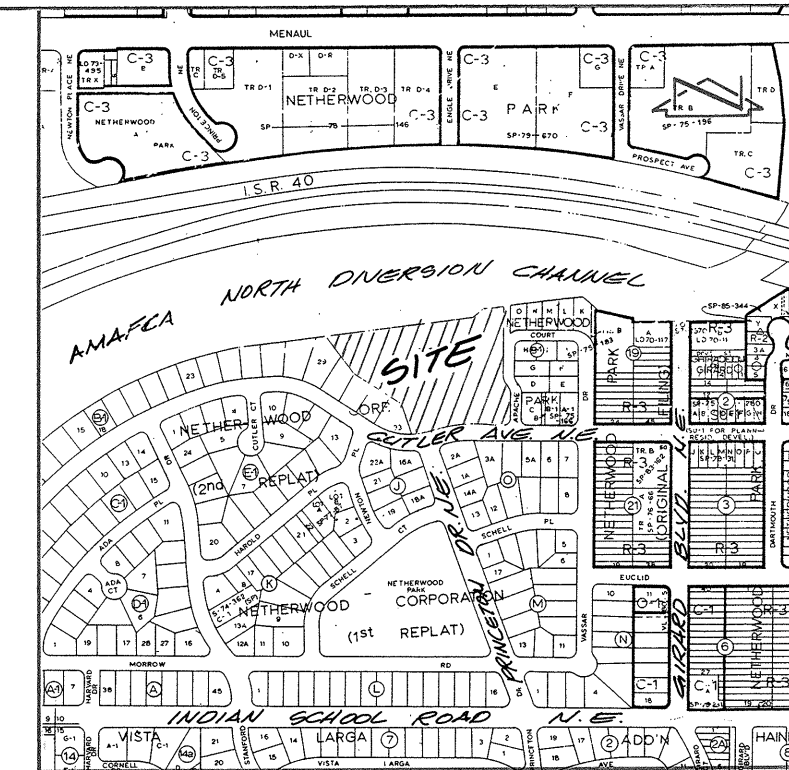
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP						
TITLE: STORMWATER LIFT STATION WATER SERVICE MODIFICATIONS COMANCHE / DIVERSION LIFT STATION NO. 35						
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	
D.R.C. Chair	<i>Rogelio</i>	<i>12-11-09</i>				
Trans. Dev.	<i>N/A RHD</i>	<i>12-8-09</i>				
Utility Dev.	<i>R.W. Kane</i>	<i>12-8-09</i>				
<i>HFD</i>	<i>N/A SAB</i>	<i>12-11-09</i>				
DRAWING NO. 3844			MAP NO. G-16		SHEET 4 OF 7	

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Rog. Khan</i>	<i>12-11-09</i>			
Trans. Dev.	<i>N/A RHD</i>	<i>12-8-09</i>			
Utility Dev.	<i>R.W. Kane</i>	<i>12-8-09</i>			
<i>HYD</i>	<i>NA SAB</i>	<i>12-11-09</i>			
DRAWING NO.	3844	MAP NO.	G-16	SHEET	4 OF 7



DETAIL 'A'
SCALE: 1" = 10'

EXISTING WATER METER BOX. CONTRACTOR SHALL REMOVE EXISTING WATER METER BOX & INSTALL A NEW METER BOX & STANDARD SERVICE LINE. INSTALLATION MATERIALS AS PER C.O.A. STD. DUG. 2303, EXCEPT THAT THE METER ITSELF SHALL BE DELETED FROM THE INSTALLATION. THE EXISTING SERVICE LINE SIZE IS NOT KNOWN, BUT SHOWN AS 2 1/2" PER RECORD DRAWINGS.



VICINITY MAP
SCALE: 1" = 800'

- NOTES:
- The purpose of the work detailed on this sheet is to disconnect the existing water service to this City of Albuquerque Stormwater Lift Station. In the event that water service will need to be restored to this facility in the future, a metered service (w/o meter) is proposed at this time.
 - In order to facilitate this installation, the Contractor shall neatly sawcut, remove and dispose of the existing driveway concrete in conjunction with the removal of the existing water meter box. Minimum limits of removal shall be 4.5' along the service line and 3.5' perpendicular to and centered about the service line.
 - The new water meter box must be provided with a heavy duty traffic rated lid.
 - The location and sizes of existing facilities shown hereon have been taken from City of Albuquerque Record Drawings. No field verification other than visual observation has been undertaken, therefore, actual field conditions may vary from what is shown hereon.
 - Two (2) working days prior to any excavation, contractor must contact Line Locating Service 765-1234, for the location of existing utilities.

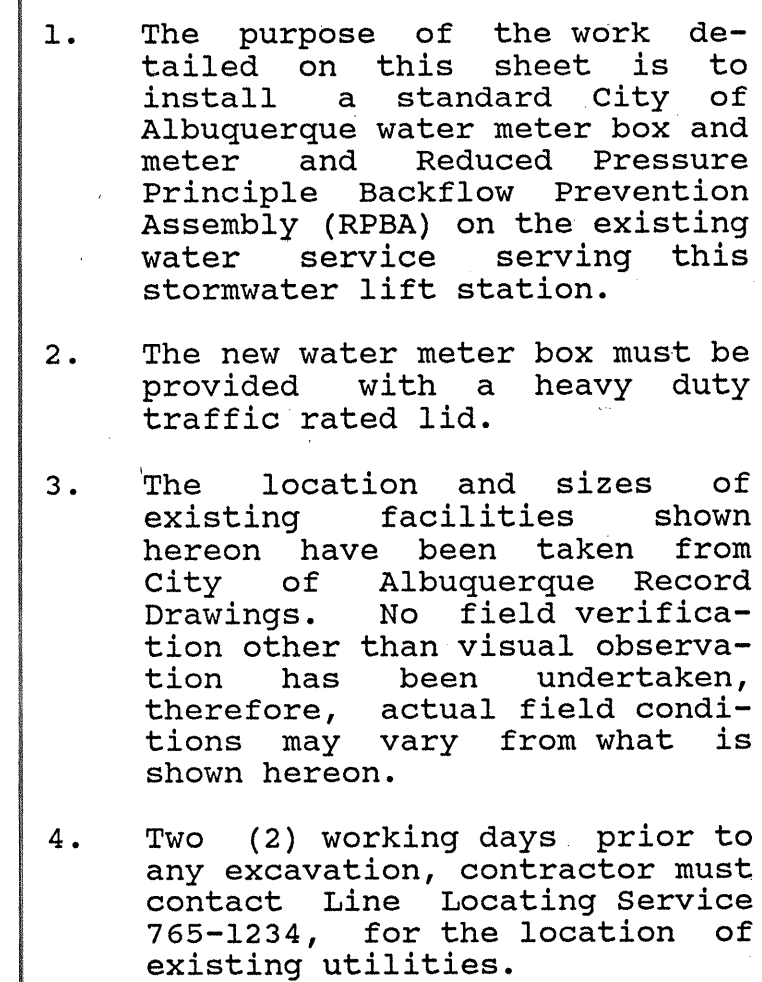
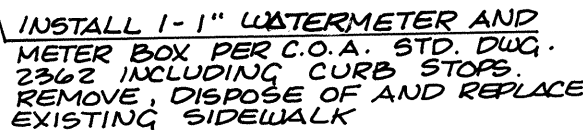
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CONTRACTOR	DATE		INSPECTOR'S	DATE		NO.	BY	DATE			
STAMPED BY			FIELD CHECKED BY								
VERIFICATION BY			DATE								
CORRECTED BY			DATE								
RECORDED BY			DATE								
NO.											

REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
11-08-89

REVISIONS

NO.	DATE	REMARKS	BY
1	12-8-89	DESIGN	J.M.M.
2	12-8-89	DRAWN BY	C.M.M.
3	12-8-89	CHECKED BY	J.M.M.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: STORMWATER LIFT STATION WATER SERVICE MODIFICATIONS PRINCETON LIFT STATION NO. 36					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	12-11-89			
Trans. Dev.	<i>[Signature]</i>	12-8-89			
Utility Dev.	<i>[Signature]</i>	12-8-89			
HYD	<i>[Signature]</i>	12-11-89			
DRAWING NO.	3844	MAP NO.	H-13	SHEET	5 OF 7



11-08-89

DRAWING NO.	3844	MAP NO.	L-14	SHEET	6	OF	7
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