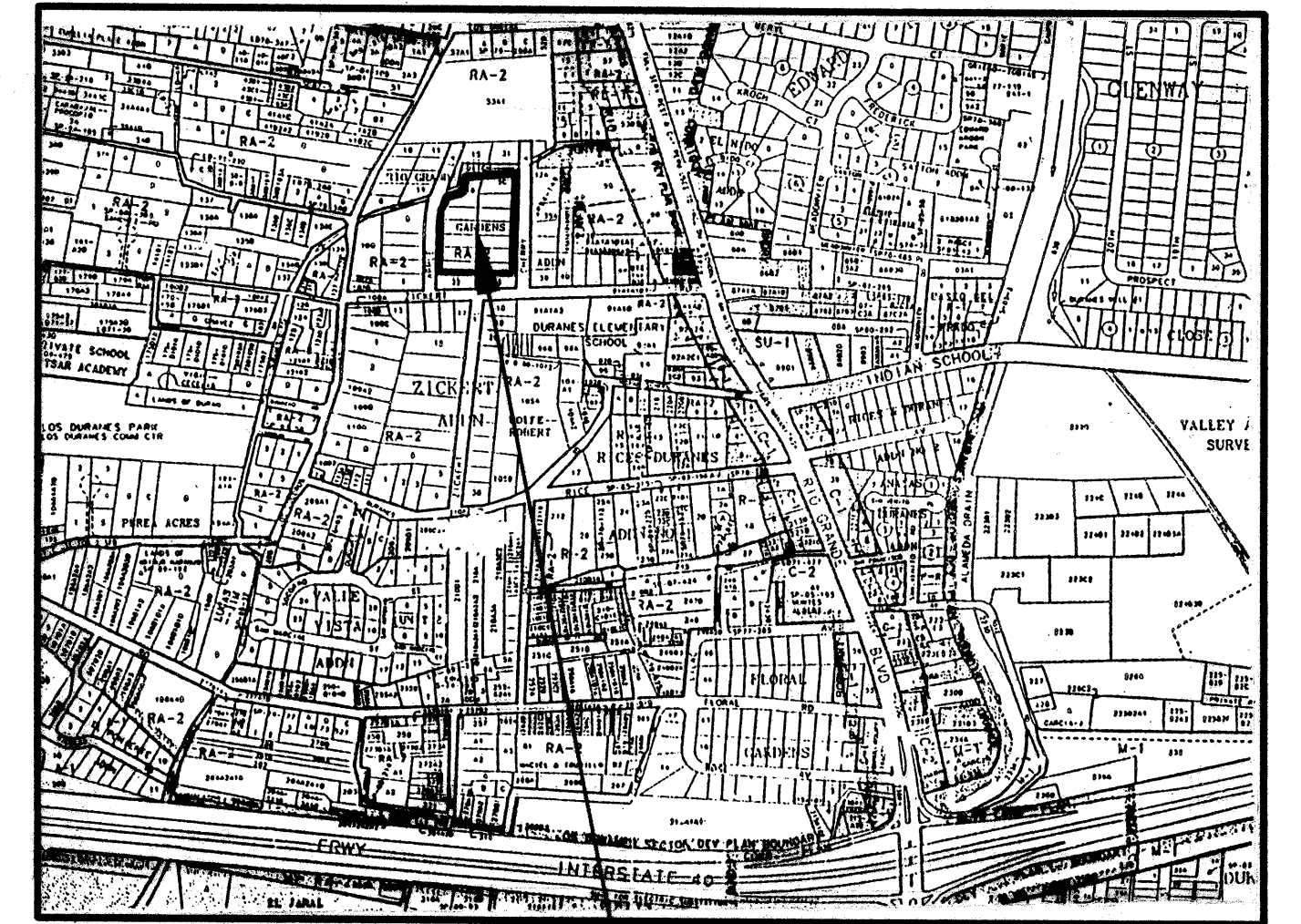


# DURANES PUMP STATION REPLACEMENT SITE DEVELOPMENT PLANS



PROJECT LOCATION  
VICINITY MAP  
DURANES PUMP STATION REPLACEMENT



## JANUARY 1999

### INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
EPC1 OF 6	TITLE SHEET
EPC2 OF 6	SITE LAYOUT PLAN
EPC3 OF 6	LANDSCAPING PLAN
EPC4 OF 6	SITE GRADING AND DRAINAGE PLAN
EPC5 OF 6	NORTH AND SOUTH BUILDING ELEVATIONS
EPC6 OF 6	EAST AND WEST BUILDING ELEVATIONS

NOTE:  
Building design shall account for  
City Noise Ordinance requirements

DRB# 99-318

**LH** Leedshill-Herkenhoff, Inc  
500 Copper Avenue NW  
P.O. Box 1217  
Albuquerque, NM 87103  
(505)247-0294

PROJ 1000789

SCALE: 1"=750'  
(ZONE ATLAS MAP NO. H12)

#### BUILDING INFORMATION

OWNER: CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
WATER UTILITY DIVISION  
5501 PINO AVE. NE, BLDG. J  
ALBUQUERQUE, NM 87109  
TEL: (505) 857-8200

ADDRESS: 1917 CHERRY LANE NW

ZONING: RA-2

CONSTRUCTION: I N

BUILDING AREA: 4223 SQ. FT.

LOT AREA: 3.44 ACRES (149,846 SF)

#### LEGAL DESCRIPTION

LOTS 16 THROUGH 21 AND 24 THROUGH 30  
RIO GRANDE GARDENS ADDITION AS FILED  
IN BERNALILLO COUNTY, MARCH 14, 1951

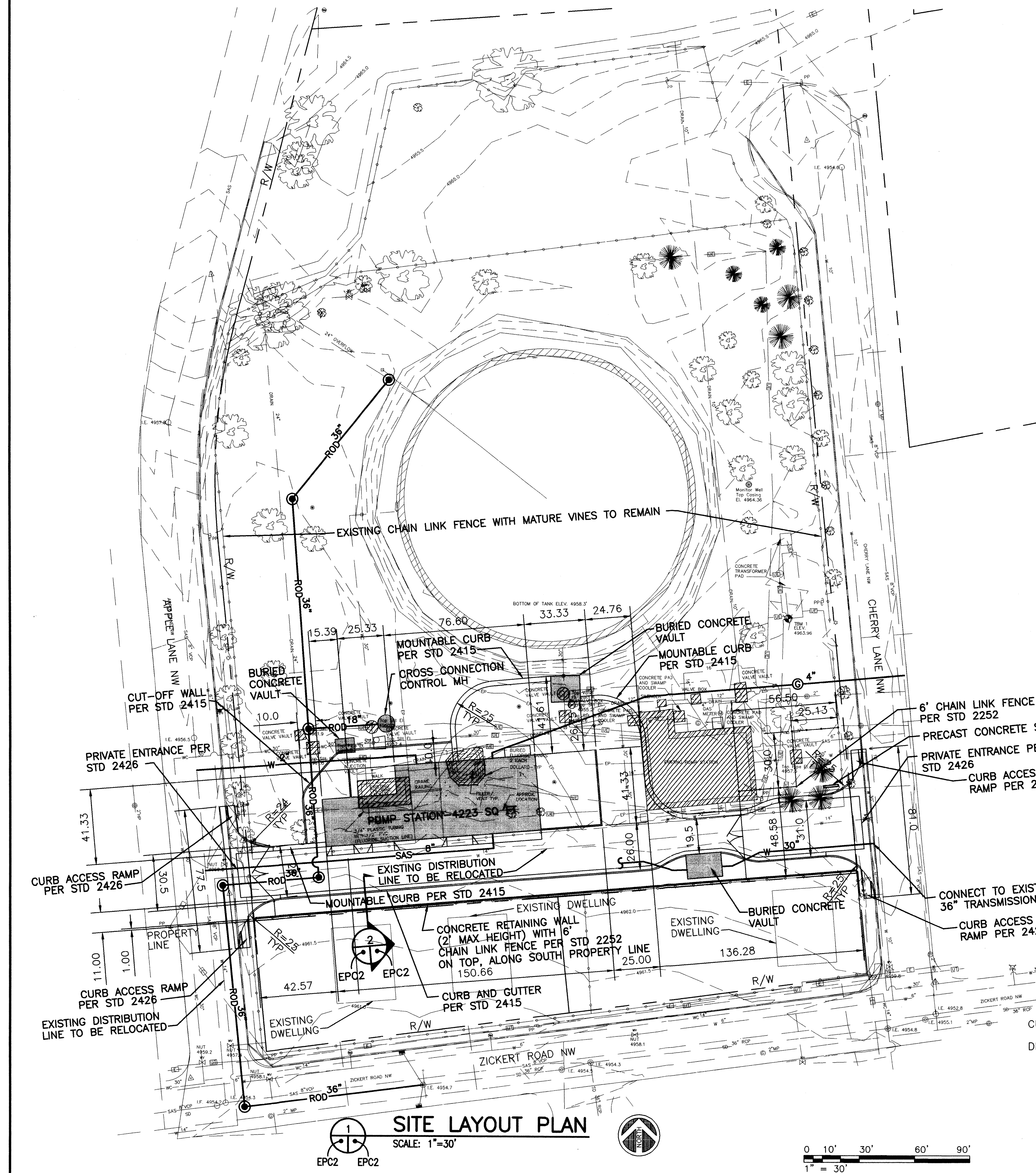
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App# 00460 00000 01243  
Z-99-72

DO-22-8 P.B.

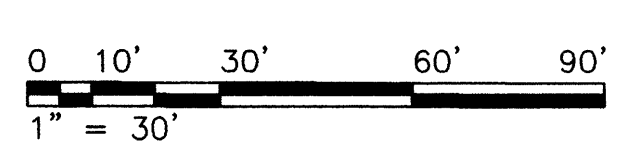
<i>[Signature]</i>	CHAIRMAN	8/31/00	DATE
<i>[Signature]</i>	ALBUQUERQUE BERNALILLO COUNTY DEVELOPMENT REVIEW BOARD	11-3-99	DATE
<i>[Signature]</i>	CITY ENGINEER	11-3-99	DATE
<i>[Signature]</i>	A.M.A.F.C.A.	1-14-00	DATE
<i>[Signature]</i>	PARKS AND RECREATION	11-15-99	DATE
<i>[Signature]</i>	TRAFFIC ENGINEER	11-3-99	DATE
<i>[Signature]</i>	UTILITIES DEVELOPMENT DIVISION CITY OF ALBUQUERQUE PUBLIC WORKS	8/31/00	DATE
<i>[Signature]</i>	CITY PLANNER		

REV.	SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman			APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	11-15-99			
		Water/Wastewater					
		Hydrology					
		Parks					
Const. Mngmt.							
City Project No.		5747.01		Sheet Of		EPC1 6	

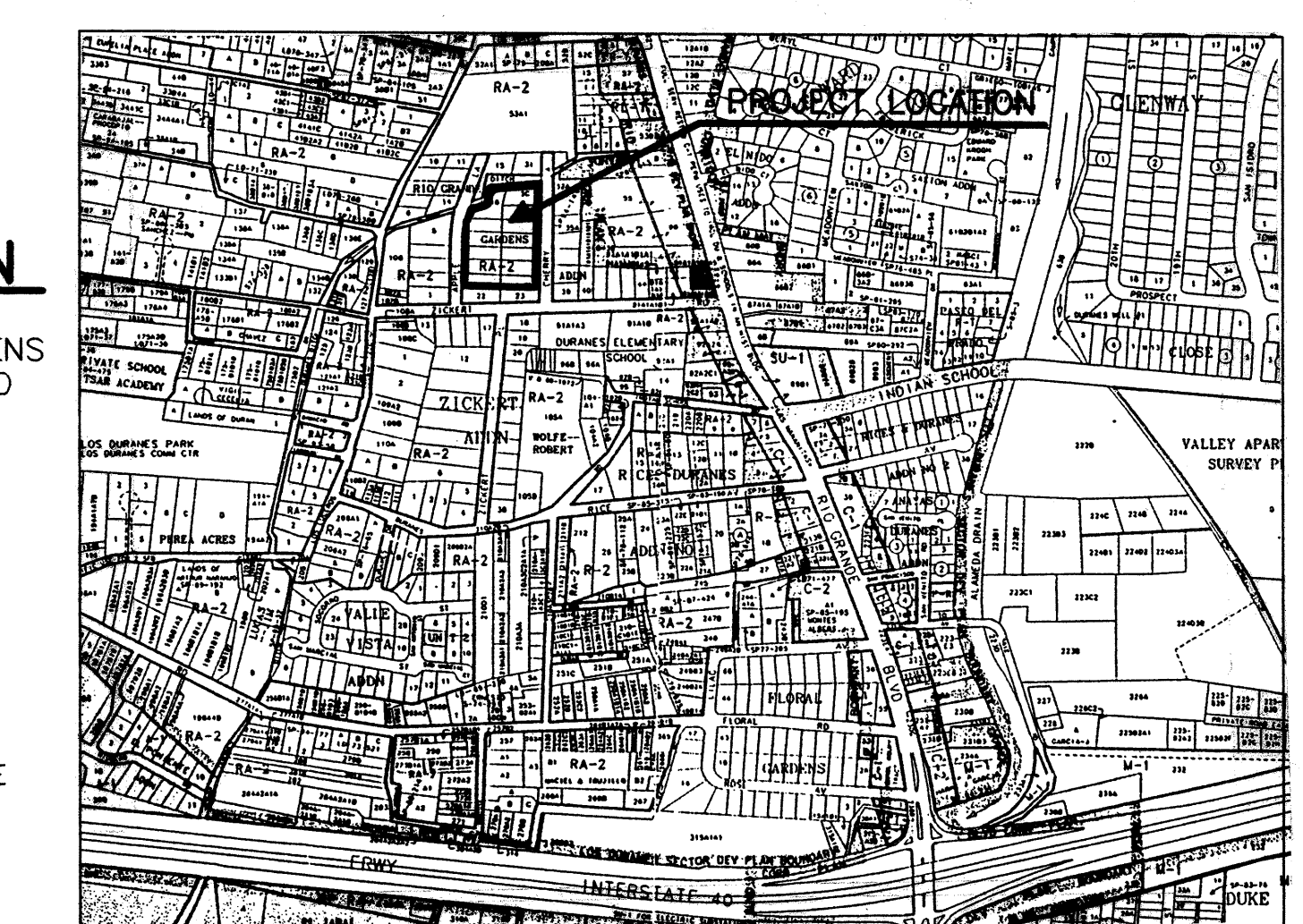




**SITE LAYOUT PLAN**  
SCALE: 1"=30'



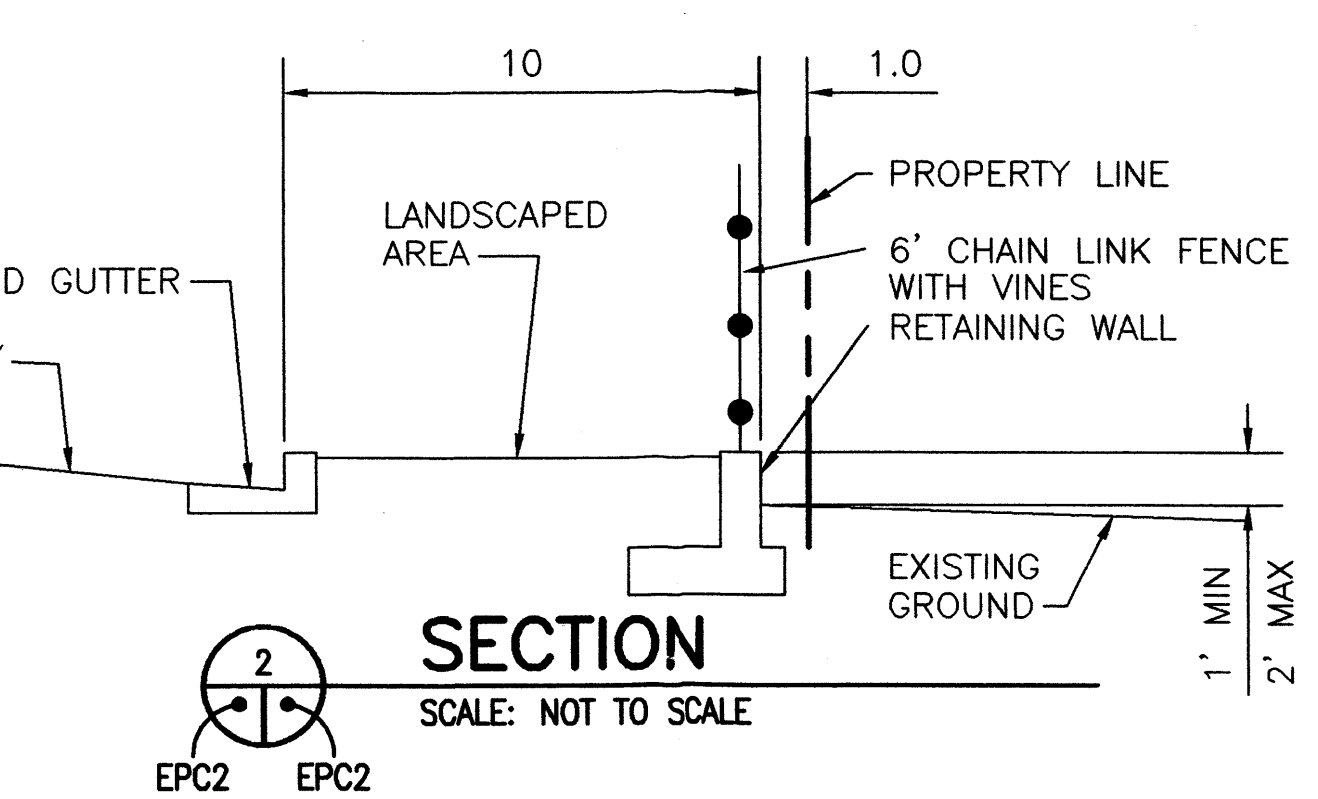
**VICINITY MAP**  
SCALE: 1"=750'  
(ZONE ATLAS NO. H12)



**LEGAL DESCRIPTION**  
LOTS 16 THROUGH 21 AND 24 THROUGH 30 RIO GRANDE GARDENS ADDITION AS FILED IN BERNALILLO COUNTY MARCH 14, 1951.

- ABBREVIATIONS**
- TC TOP OF CURB
  - FL FLOW LINE
  - TOP TOP OF PAVEMENT
  - FGC FINISH GRADE CONCRETE
  - TW TOP OF WALL
  - TOV TOP OF VAULT

PROPOSED	EXISTING	DESCRIPTION
●	○	SANITARY SEWER MANHOLE
⊙	⊙	STORM DRAIN MANHOLE
⊙	⊙	WATER MANHOLE
○ TELE MH	○ TELF MH	TELEPHONE MANHOLE
SAS 8"	SAS 8" CP	SANITARY SEWER LINE WITH SIZE AND TYPE
NA	SD 48" RCP	STORM DRAIN LINE WITH SIZE AND TYPE
W 6"	W 6" CI	WATER LINE WITH SIZE AND TYPE
E	E	OVERHEAD ELECTRICAL LINE
UE	UE	UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
UT	UT	UNDERGROUND TELEPHONE
⊙ 2"	⊙ 2" HP	GAS LINE WITH SIZE AND TYPE
ROD 48"	NA	RESERVOIR OVERFLOW AND DRAIN
NA	▭	CATCH BASIN
⌵	⌵	GATE VALVE
⌵	⌵	BUTTERFLY VALVE
⊙ PP	⊙ PP	FIRE HYDRANT
		POWER POLE
▬▬▬		PCC CURB AND GUTTER
	NA	MOUNTABLE CURB
	NA	CUT-OFF WALL
4'SW	4'SW	SIDEWALK
⋯		CHAIN LINK FENCE
	NA	CONC RETAINING WALL WITH 6' CHAIN LINK FENCE ON TOP
▬▬▬		RIGHT OF WAY LINES/PROPERTY LINE
▭	NA	BUILDING/BURIED CONCRETE STRUCTURE
▨	NA	EXISTING BUILDING/BURIED CONCRETE STRUCTURE TO BE REMOVED



**SECTION**  
SCALE: NOT TO SCALE

AS BUILT INFORMATION	
CONTRACTOR	DATE
WORKS BY	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
CONNECTED BY	DATE
MICRO-FILM INFORMATION	RECORDED BY
	DATE
	NO.

BENCH MARKS	
12-H13 IS LOCATED IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF RIO GRANDE BLVD AND EL NIDO CT., NW - AN A.C.S. 1-3/4" ALUMINUM DISK STAMPED "A.C.S. B.M. 12-H13" EPOXIED TO TOP OF CONC CURB ON E.S.E. CURB RETURN. EL=4963.340 FEET/1512.829 METERS - 1ST CLASS	

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	DATE
NO.	DATE

ENGINEER'S SEAL	
REVISIONS	DATE
NO.	DATE
DATE	DATE
DATE	DATE

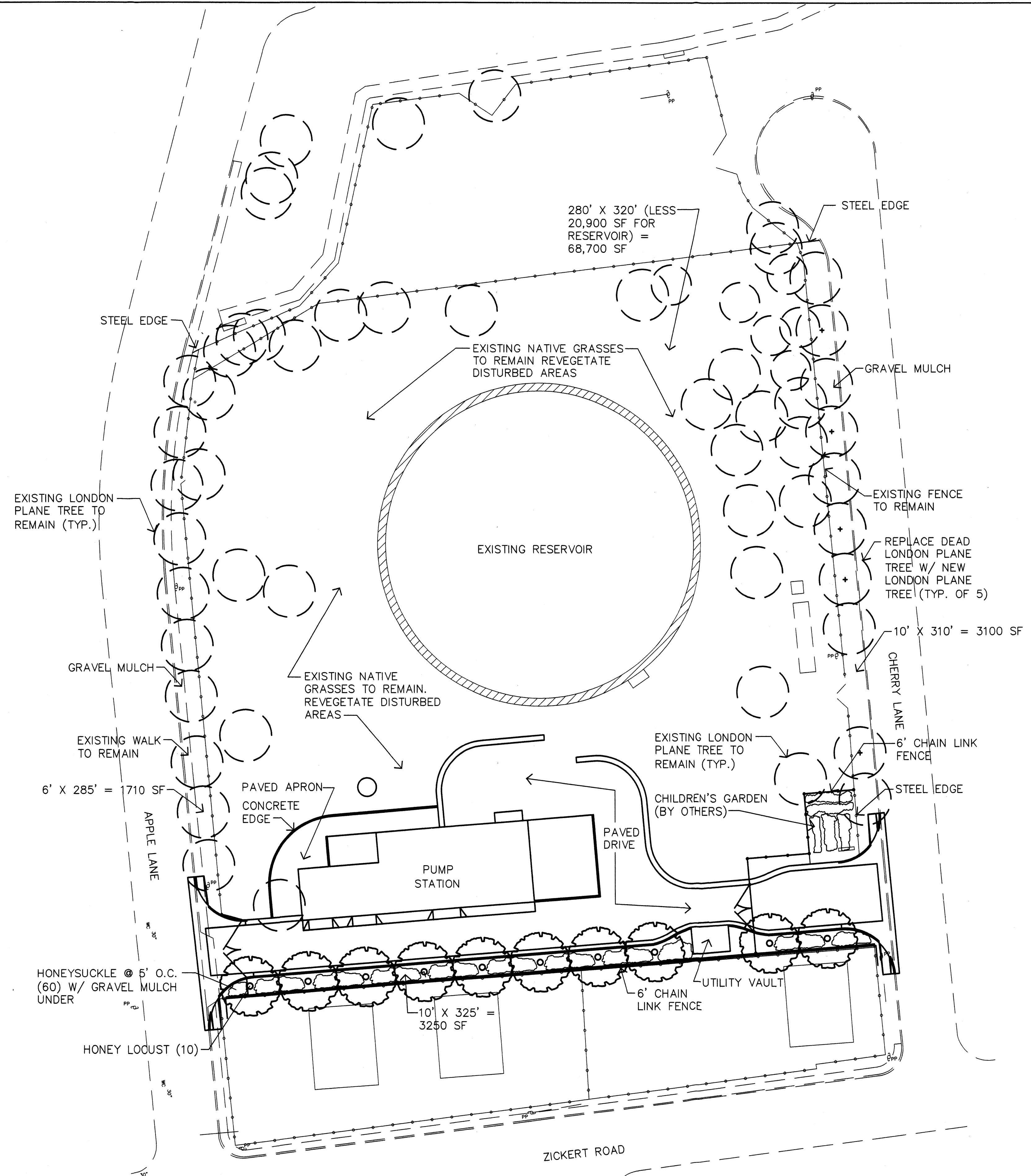
  

REMARKS	
REVISIONS	DATE
LEEDSHILL-HERKENHOFF, INC.	DATE 1-27-99
DESIGNED BY BGC	DATE 1-27-99
DRAWN BY BGC	DATE 1-27-99
CHECKED BY GA	DATE 1-27-99

LEEDSHILL-HERKENHOFF, INC. an ASGC Company 500 Copper Avenue NW - Suite 500 P.O. Box 1217 Albuquerque, NM 87103 (505)247-0294	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: DURANES PUMP STATION REPLACEMENT SITE LAYOUT PLAN	
Design Review Committee	City Engineer Approval
City Project No. 5747.01	Zone Map No. H12
Sheet EPC2	Of 6



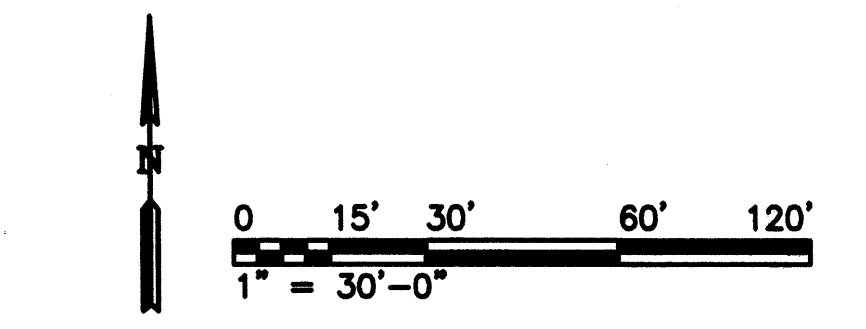


**LANDSCAPING NOTES**

- LANDSCAPE REQUIREMENTS**  
 NET LOT AREA = 86,230 SF  
 TOTAL LANDSCAPED AREA REQUIRED = 12,935 SF  
 (15% OF NET LOT AREA)  
 TOTAL LANDSCAPE AREA PROVIDED = 76,760SF  
 (89% OF NET LOT AREA)
- LANDSCAPE IRRIGATION**  
 AN AUTOMATIC IRRIGATION SYSTEM WILL BE PROVIDED. TREES AND VINES WILL BE IRRIGATED WITH A BUBBLER SYSTEM.
- LANDSCAPE MAINTENANCE**  
 THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT WILL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF THE LANDSCAPE.
- THIS PLAN IS IN COMPLIANCE WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION LANDSCAPING AND WATER WASTE ORDINANCE, REVISED 11/6/98.

PLANT LIST					
COMMON NAME	BOTANICAL NAME	QUANTITY	INSTALLED SIZE	MATURE SIZE	WATER USAGE
<b>TREES</b>					
Honey locust	Gleditsia triacanthos inermis 'Imperial'	10	2" cal.	35' ht., 25' spd.	M
London Plane Tree	Platanus acerifolia	5	2" cal.	50' ht., 30' spd.	
<b>SHRUBS</b>					
Honeysuckle	Lonicera sempervirens	60	5 gallon	6' ht., 5' spd.	M
<b>REVEGETATION</b>					
Buffalo Grass Blue Gramma Galleta	Buchloe dactyloides Bouteloua gracilis Hilaria jamesii	As required due to construction operations	Seed	12" ht.	L

<b>AS BUILT INFORMATION</b>		<b>BENCH MARKS</b>		<b>SURVEY INFORMATION</b>		<b>FIELD NOTES</b>		<b>ENGINEER'S SEAL</b>		<b>REVISIONS</b>	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE		BY	DATE	DATE
WORKS BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE		BY	DATE	DATE
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	DESIGNED BY	DATE	DATE
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	DRAWN BY	DATE	DATE
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	CHECKED BY	DATE	DATE
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REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	REVISIONS	DATE	DATE
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	REVISIONS	DATE	DATE
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	LEEDSHILL-HERKENHOFF, INC.	REVISIONS	DATE	DATE



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 Albuquerque, NM 87103  
 (505)247-0294

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

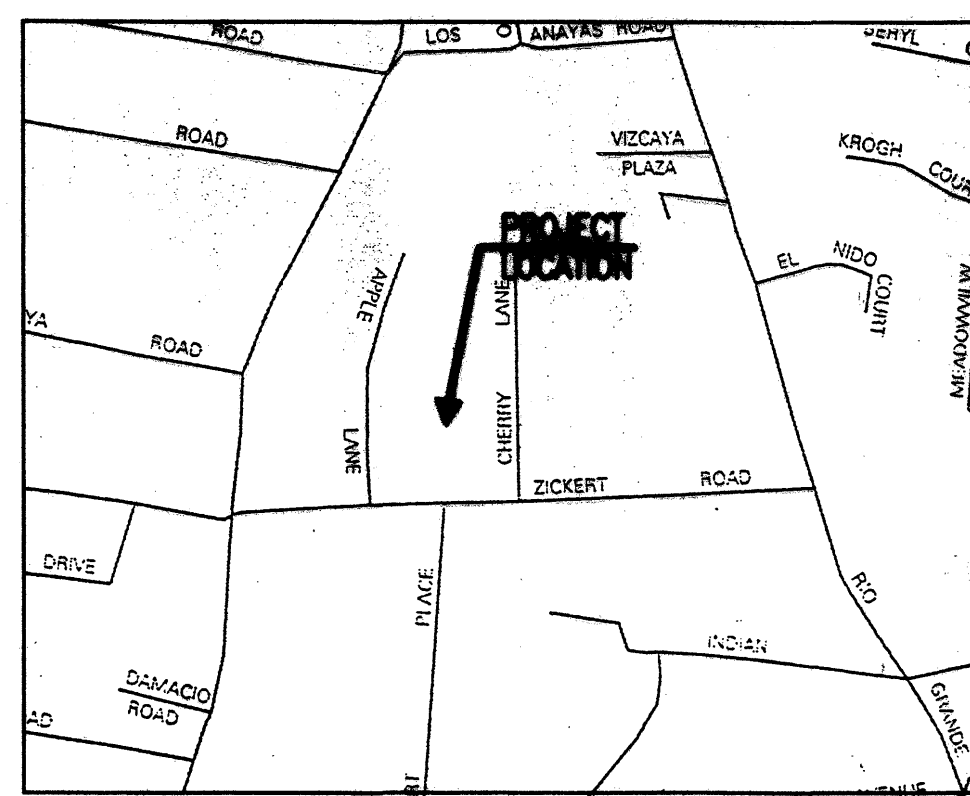
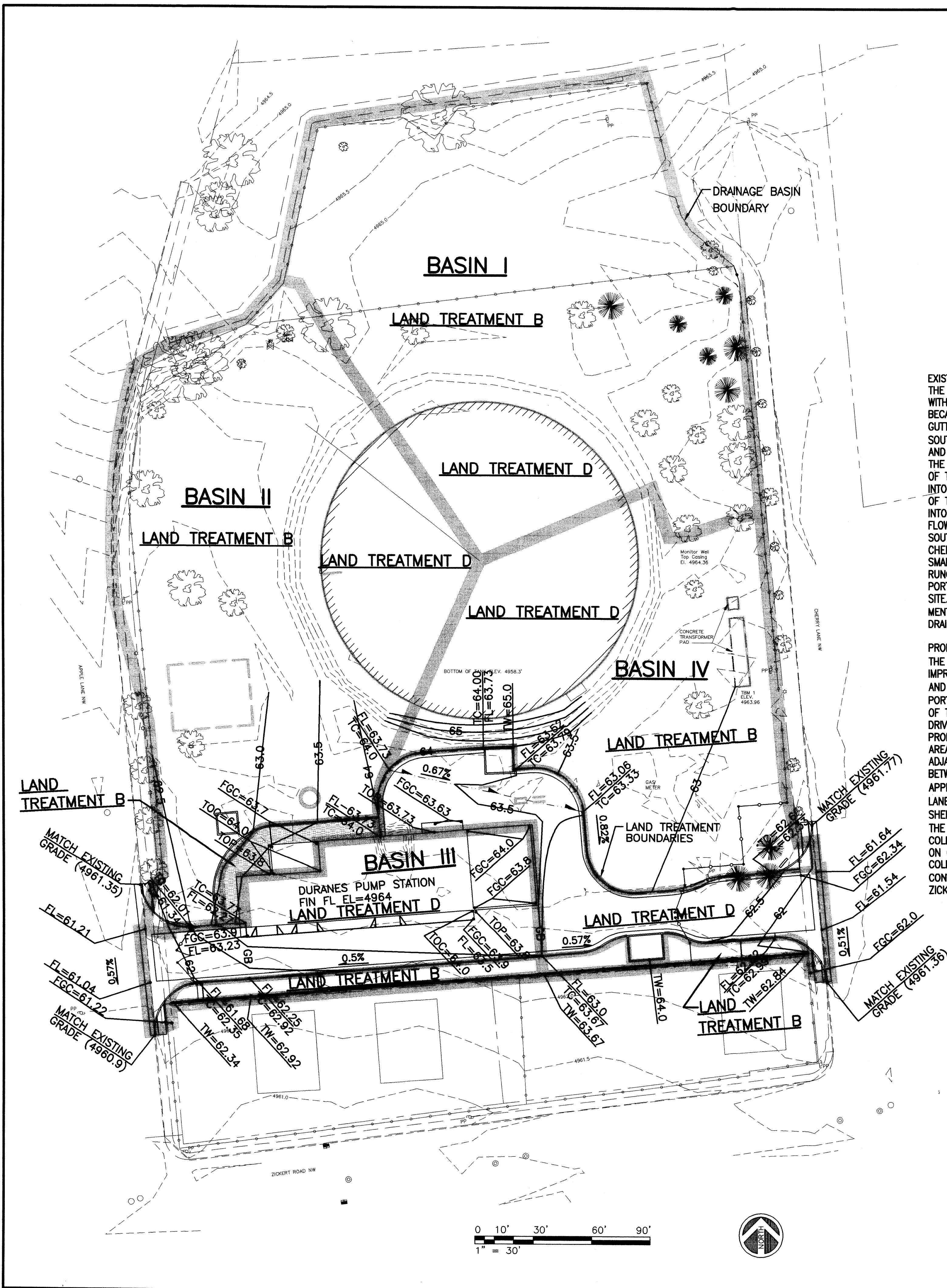
**TITLE: DURANES PUMP STATION REPLACEMENT LANDSCAPE PLAN**

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

City Project No. 5747.01    Zone Map No. H-12    Sheet EPC-3    Of 6

**MORROW & COMPANY, LTD.**  
 LANDSCAPE ARCHITECTS  
 210 La Veta N.E.  
 Albuquerque, N.M. 87102  
 TEL: 505 266-2266 FAX: 505 266-0837





**FEMA FIRM MAP**  
SCALE: 1"=500'  
MAP NO. 35001C0331

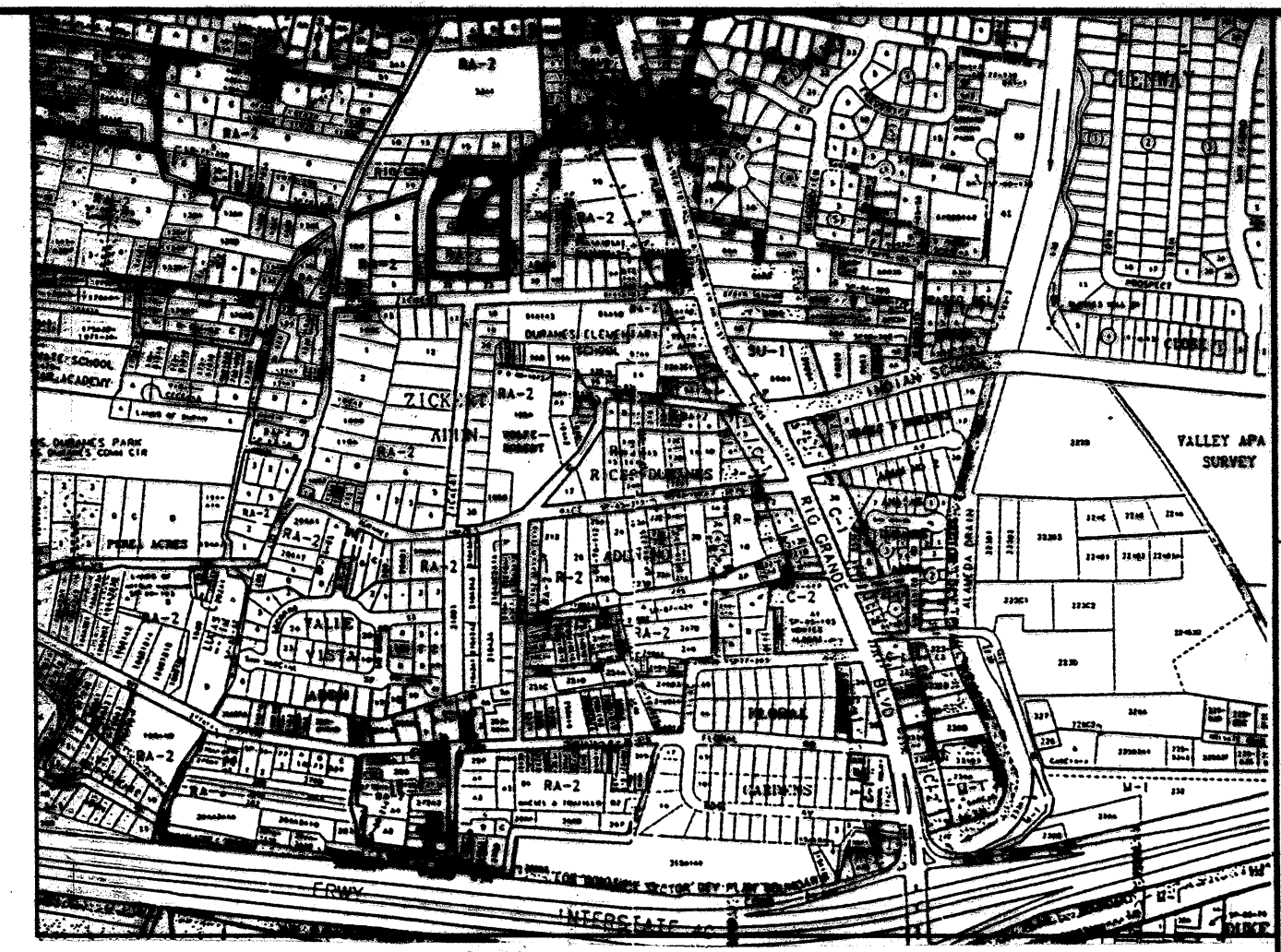
**DRAINAGE CONDITIONS**

**EXISTING CONDITIONS:**  
THE SITE IS SHOWN ON MAP 35001C0331 D OF THE FEMA MAPS. IT IS ENTIRELY ENCOMPASSED WITHIN A 500-YEAR FLOOD ZONE X. PRESENTLY, NO OFF-SITE FLOWS ENTER THE DURANES SITE BECAUSE THERE IS AN IRRIGATION DITCH TO THE NORTH AND THE SITE IS BOUNDED BY CURB AND GUTTER ON THE EAST AND WEST SIDES. THE SITE SLOPES GENTLY GENERALLY TO THE SOUTH, SOUTHWEST AND SOUTHEAST. THE SOUTH 1/4 PORTION OF THE SITE HAS A SMALL PAVED AREA AND THERE ARE 2 EXISTING BUILDINGS. THERE IS A CONCRETE RESERVOIR AT THE CENTER OF THE SITE. ON-SITE DRAINAGE NORTH AND EAST OF THE RESERVOIR STARTS AT THE SOUTH BANK OF THE IRRIGATION DITCH AND SHEET FLOWS SOUTH-SOUTHEAST ACROSS A VEGETATED AREA INTO THE WEST CURB AND GUTTER ON CHERRY LANE. ON-SITE DRAINAGE NORTHWEST AND WEST OF THE RESERVOIR SHEET FLOWS WEST AND SOUTHWEST ACROSS A SPARSELY VEGETATED AREA INTO THE EAST CURB AND GUTTER ON APPLE LANE. SOUTH OF THE RESERVOIR, RUNOFF SHEET FLOWS IN 3 DIRECTIONS, SOUTH ACROSS A DIRT DRIVEWAY AND LANDSCAPED RESIDENTIAL LOTS, SOUTHWEST ACROSS A SPARSELY VEGETATED AREA AND INTO THE WEST CURB AND GUTTER ON CHERRY LANE AND SOUTHWEST ACROSS A SPARSELY VEGETATED AREA, BARE DIRT AND A SMALL PAVED AREA AND INTO THE EAST CURB AND GUTTER ON APPLE LANE. ALL ON-SITE RUNOFF FLOWS INTO THE CURB AND GUTTER ON APPLE AND CHERRY LANES, WITH A SMALL PORTION FLOWING INTO ZICKERT ROAD THROUGH THE RESIDENTIAL LOTS TO THE SOUTH OF THE SITE. ONCE RUNOFF IS COLLECTED INTO THE CURB AND GUTTER ON EACH STREET PREVIOUSLY MENTIONED, IT IS CONVEYED TO AN EXISTING INLET ON ZICKERT ROAD. THE EXISTING 36" STORM DRAIN ON ZICKERT PLACE CONVEYS FLOWS SOUTH AWAY FROM THE SITE.

**PROPOSED CONDITIONS:**  
THE NORTHERN 2/3 PORTION OF THE SITE WILL REMAIN UNCHANGED BY THE PROPOSED IMPROVEMENTS. THIS UNCHANGED AREA IS CONTAINED WITHIN BASIN I, A PORTION OF BASIN II AND A PORTION OF BASIN IV. THE SOUTHERN 1/3 OF THE SITE WILL BE IMPROVED, INCLUDING A PORTION OF BASIN II, A PORTION OF BASIN IV AND BASIN III IN ITS ENTIRETY. THE SOUTHERN 1/3 OF THE SITE WILL ACCOMMODATE THE PROPOSED PUMP STATION, RELATED FACILITIES, DRIVEPADS, DRIVEWAY AND A 10-FOOT WIDE STRIP OF LANDSCAPING ALONG THE SOUTH PROPERTY LINE. CURB AND GUTTER WILL BE CONSTRUCTED ADJACENT TO THE LANDSCAPED AREA ALONG THE SOUTH END OF THE PROPERTY TO PREVENT RUNOFF FROM FLOWING OVER THE ADJACENT RESIDENTIAL LOTS AS CURRENTLY OCCURS. THE ACCESS ROAD WHICH EXTENDS BETWEEN CHERRY AND APPLE LANES WILL BE PAVED. A NEW GRADE BREAK WILL BE CREATED, APPROXIMATELY AT THE MIDDLE OF THE PAVED ACCESS ROAD (BETWEEN APPLE AND CHERRY LANES) TO SPLIT THE FLOWS BETWEEN CHERRY AND APPLE LANES. ALL ON-SITE FLOWS WILL SHEET FLOW INTO CHERRY AND APPLE LANES FOR THE NORTHERN 2/3 OF THE SITE PRESERVING THE EXISTING PATTERNS. FOR THE SOUTHERN 1/3 OF THE SITE, RUNOFF WILL SHEET FLOW AND COLLECT ALONG THE NEW CURB AND GUTTER AND FLOW INTO THE EXISTING CURB AND GUTTERS ON CHERRY AND APPLE LANES IN THE SAME MANNER AS CURRENTLY OCCURS. ONCE RUNOFF IS COLLECTED INTO THE CURB AND GUTTER ON EACH STREET PREVIOUSLY MENTIONED, IT WILL BE CONVEYED TO THE EXISTING INLET ON ZICKERT ROAD. THE EXISTING 36" STORM DRAIN ON ZICKERT PLACE WILL CONVEYS FLOWS SOUTH AWAY FROM THE SITE.

**LEGEND**

PROPOSED	EXISTING	DESCRIPTION
●	○	SANITARY SEWER MANHOLE
○	○	STORM DRAIN MANHOLE
○	○	WATER MANHOLE
○	○	TELEPHONE MANHOLE
— SAS 24"	— SAS 24"	SANITARY SEWER LINE WITH SIZE AND TYPE
— SD 36" TSP	— SD 36" TSP	STORM DRAIN LINE WITH SIZE AND TYPE
— W 8"	— W 8"	WATER LINE WITH SIZE AND TYPE
— E	— E	OVERHEAD ELECTRICAL LINE
— E	— E	UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
— T	— T	UNDERGROUND TELEPHONE
— G 4"	— G 4"	GAS LINE WITH SIZE AND TYPE
— R 24"	— R 24"	RESERVOIR OVERFLOW AND DRAIN
— NA	— NA	CATCH BASIN
— V	— V	GATE VALVE
— B	— B	BUTTERFLY VALVE
— W	— W	FIRE HYDRANT
— P	— P	POWER POLE
— CCG	— CCG	PCC CURB AND GUTTER
— NA	— NA	MOUNTABLE CURB
— NA	— NA	CUT-OFF WALL
— S	— S	SIDEWALK
— CL	— CL	CHAIN LINK FENCE
— NA	— NA	CONC RETAINING WALL WITH 6" CHAIN LINK FENCE ON TOP
— NA	— NA	RIGHT OF WAY LINES/PROPERTY LINE
— NA	— NA	BUILDING/APPERTENCES
— NA	— NA	EXISTING BUILDING/APPERTENCES TO BE REMOVED
— GB	— GB	GRADE BREAK



**VICINITY MAP**  
SCALE: 1"=750'  
ZONE MAPS H-12-Z  
SITE ADDRESS: 1917 CHERRY LANE N.W.

**LEGAL DESCRIPTION**

LOTS 16 THROUGH 21 AND 24 THROUGH 30 RIO GRANDE GARDENS ADDITION AS FILED IN BERNALILLO COUNTY, MARCH 14, 1951.

**NOTICE TO CONTRACTOR**

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

**DRAINAGE CALCULATIONS**  
100-YEAR STORM  
REFERENCE: COA DEVELOPMENT PROCESS MANUAL, CHAPTER 22, PRECIPITATION ZONE 1

DESCRIPTION	EXISTING DRAINAGE BASINS					PROPOSED DRAINAGE BASINS				
	I	II	III	IV	TOTAL	I	II	III	IV	TOTAL
LAND TREATMENT A (NATIVE) AREA, AC. Q, cfs (AREA x 1.29)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LAND TREATMENT B (PARK) AREA, AC. Q, cfs (AREA x 2.03)	2.244	0.851	0.740	0.045	2.106	4.555	1.728	1.502	0.091	4.275
LAND TREATMENT C (COMPACTED SOIL) AREA, AC. Q, cfs (AREA x 2.87)	0.309	0.000	0.000	0.000	0.000	0.887	0.000	0.000	0.000	0.000
LAND TREATMENT D (ROOF & PAVEMENT) AREA, AC. Q, cfs (AREA x 4.37)	0.567	0.135	0.203	0.263	1.014	2.478	0.590	0.889	1.149	4.431
TOTAL AREA, AC. Q, cfs	3.120	0.986	0.943	0.308	3.120	7.920	2.318	2.389	1.240	8.706

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500 Copper Avenue NW - Suite 500  
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Albuquerque, NM 87103  
(505)247-0294

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

**TITLE: DURANES PUMP STATION REPLACEMENT SITE GRADING AND DRAINAGE PLAN**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. <b>5747.01</b>	Zone Map No. <b>H-12</b>	Sheet <b>EPC4</b>	Of <b>6</b>

**AS BUILT INFORMATION**

CONTRACTOR	DATE
WORK STARTED BY	DATE
FIELD INSPECTION BY	DATE
APPROVED BY	DATE
REVISIONS	DATE
NO.	DATE

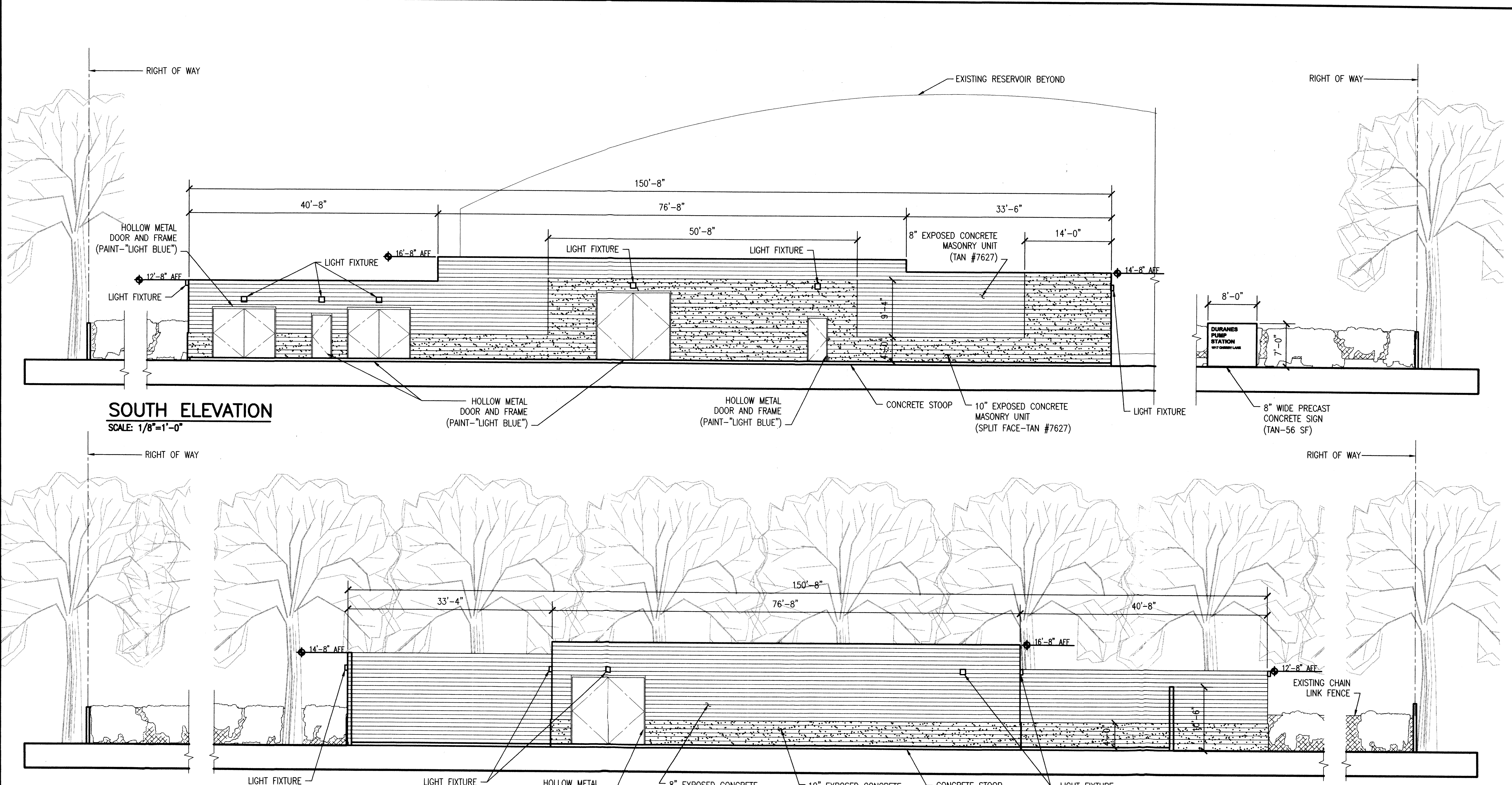
**ENGINEER'S SEAL**

**REVISIONS**

NO.	DATE	REMARKS
1	1-27-99	
2	1-27-99	
3	1-27-99	

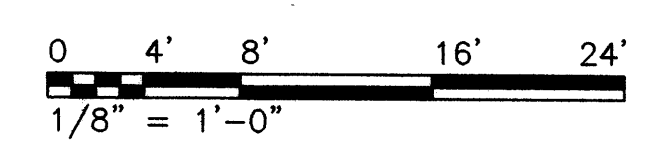
DESIGNED BY: BGC  
DRAWN BY: BGC  
CHECKED BY: GA





**SOUTH ELEVATION**  
SCALE: 1/8"=1'-0"

**NORTH ELEVATION**  
SCALE: 1/8"=1'-0"



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Albuquerque, NM 87103  
(505)247-0294

<b>CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP</b>			
<b>TITLE: DURANES PUMP STATION REPLACEMENT NORTH AND SOUTH BUILDING ELEVATIONS</b>			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
5747.01	H-12	EPC5	6

<b>AS BUILT INFORMATION</b>	
CONTRACTOR	DATE
WORK STAKED BY	DATE
ACCEPTANCE BY	DATE
FIELD CHECK BY	DATE
REVISIONS BY	DATE
CORRECTED BY	DATE
<b>MICRO-FILM INFORMATION</b>	
RECORDED BY	DATE
NO.	

<b>BENCH MARKS</b>	

<b>SURVEY INFORMATION</b>	
<b>FIELD NOTES</b>	
NO.	DATE

<b>ENGINEER'S SEAL</b>	
NO.	DATE

NO.	DATE	BY	REMARKS



