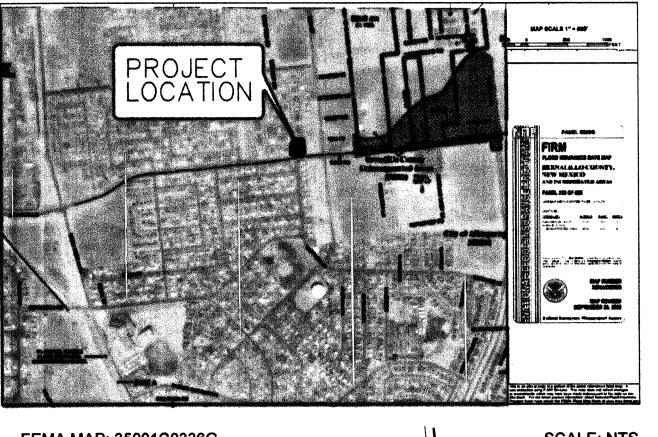
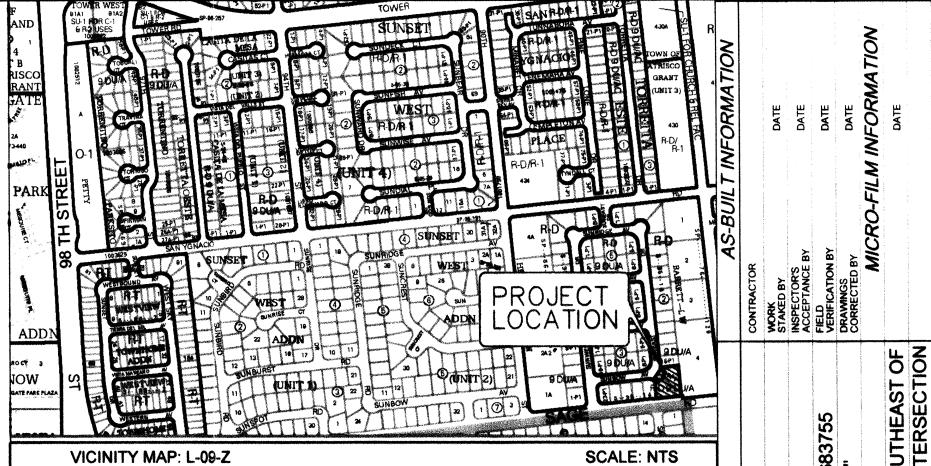


		F	POJEC	T HYDRO	COGY			
	LO	TS 17-P	1 - 19-P	i, sunsi	et west	UNIT 3		
ONE:								
ONE.								
'emour	2.20							
10 DAY	3.67				, ide			l.
							•	i
			UND	EVELOP	ED		:	ì
BASIN	AREA (ac)	A (ac)	B (ac)	C (ac)	D (ac)	E	Q (cfs)	VOI, (ac ft
1	0.6125	0.00	0.61	0.00	0.00	0.67	1.24	0.034
		DE	VELOPE	D (PRO	POSED):			
BASIN	AREA (ac)					E	Q (cfs)	VOL (ac ft)
A	0.29	0.00	0.08	0.08	0.13	1.34	0.96	0.033
В	0.32	0.00	0.11	0.11	0.10	1.19	0.98	0.032
TOTAL	0.61	0.00	0.19	0.19	0.23	1.26	1.94	0.064





LEGEND

ITEM	EXISTING	PROPOSED	(S ) ) OR: (
ERHEAD ELEC	OHE		7 2 2 0 - 0 - 0 - 0
DERGROUND ELEC, S,TEL,TV,FO	UGT FO		BENCHMARKS MONUMENT "Z 5096.672 1988 NAVD GRID FACTOR
SHT OF WAY			5096 1988 P RID F
SEMENT LINE		work solution statutes extended adultery varieties within	MO MO 1 GR IG /
OPERTY LINE			ACS N ACS N GROUND TO C
NTERLINE		specifique. On compressional property limit impropries const. Her subsequen	A DA
IAIN LINK FENCE	-xxxx	<del></del>	J O Z
OCK WALL	-00		GR
OT ELEV.	× 16.7	87.26	
MITOLIA	5166	66	

**DIRECTION OF FLOW** DRAINAGE SWALE

**PROPERY ADDRESS** 

1920 SUNEAST DRIVE SW 8700 SUNBOW AVENUE SW 8704 SUNBOW AVENUE SW ALBUQUERQUE, NEW MEXICO 87105

LEGAL DESCRIPTION

LOTS 17-P1, 18-P1 AND 19-P1, SUNSET WEST, BLOCK 2, UNIT 3.

SURVEY MAPPING

TOPOGRAPHIC AND IMPROVEMENT MAPPING BY BRASHER & LORENZ, INC. APRIL 2010

# BASIN BOUNDARY PROJECT DATA

### THIS GRADING AND DRAINAGE PLAN IS SHOWN FOR INFORMATION **PURPOSES ONLY.** NOT IN CONTRACT.

## **DATUM NAVD 1988**



**BRASHER & LORENZ** CONSULTING ENGINEERS 2201 San Pedro Blvd. NE Bldg. 1, Suite 1300 Albuquerque, New Mexico 87110 Phone: (505) 888-6088 Fax: (505) 888-6188

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

SUNSET WEST UNIT III LOTS 17,18 AND 19 GRADING AND DRAINAGE PLAN

City Project No. 499182			Мар <b>N</b> o. <b>09-Z</b>	Sheet	of 6	7
		Last Design Update				
Design Review Committee	City Engineer Approval	0	WO./Day/11.		NIO./D	ay/ II.

# **EXISTING DRAINAGE BASINS**

#### **GRADING AND DRAINAGE PLAN**

#### SCOPE

PURSUANT TO THE CITY OF ALBUQUERQUE DRAINAGE ORDINANCE AND THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, SECTION 22.2, THE GRADING AND DRAINAGE PLAN SHOWN HEREON OUTLINES THE DRAINAGE MANAGEMENT CRITERIA FOR CONTROLLING DEVELOPED RUNOFF ON THE PROJECT SITE. THE PROJECT CONSISTS OF THE RECLAMATION OF 3 RESIDENTIAL LOTS BY FILLING A TEMPORARY RETENTION POND. THE LOTS ARE DESCRIBED AS LOTS 17-P1, 18-P1 AND 19-P1, SUNSET WEST, UNIT 3.

#### **EXISTING CONDITIONS**

THE PROJECT SITE CURRENTLY SERVES AS A TEMPORARY RETENTION POND FOR SUNSET WEST, UNIT 3. ALL EXCESS STORMWATER FROM THE SUBDIVISION ENTERS THE POND THROUGH A 36-INCH PUBLIC STORM DRAIN. NO OTHER OFF-SITE RUNOFF ENTERS THE SITE. THE LOTS ARE ENCUMBERED BY A TEMPORARY PUBLIC DRAINAGE EASEMENT.

AS SHOWN BY THE ATTACHED FIRM, THE SITE LIES WITHIN THE 500-YEAR ZONE "X" FLOOD ZONE.

#### DRAINAGE MANAGEMENT PLAN

THE DRAINAGE MANAGEMENT CRITERIA WAS ESTABLISHED BY THE DRAINAGE REPORT FOR SUNSET WEST SUBDIVISION, UNIT 3, PREPARED BY MARK GOODWIN & ASSOCIATES. IN ACCORDANCE WITH THE APPROVED DMP, THE LOTS ARE TO SERVE AS A TEMPORARY RETENTION POND UNTIL DOWNSTREAM STORM DRAINAGE IMPROVEMENTS ARE CONSTRUCTED, AT WHICH TIME THE LOTS MAY BE RECLAIMED AND FREE DISCHARGE INTO THE PUBLIC SYSTEM.

#### PROPOSED CONDITIONS

UPON CONSTRUCTION AND ACCEPTANCE OF PROPOSED DOWNSTREAM STORM DRAINAGE IMPROVEMENTS. THE SITE IS TO BE IMPROVED BY FILLING THE TEMPORARY RETENTION POND AND CONSTRUCTING BUILDING PAD SITES ON EACH LOT. THE INTERNAL STORM DRAIN, WHICH DRAINS TO THE POND BY A 36-INCH STUBOUT, WILL BE CONNECTED TO AN EXISTING 36-INCH STUBOUT PROJECTING FROM A MANHOLE LOCATED IN SAGE ROAD SW.

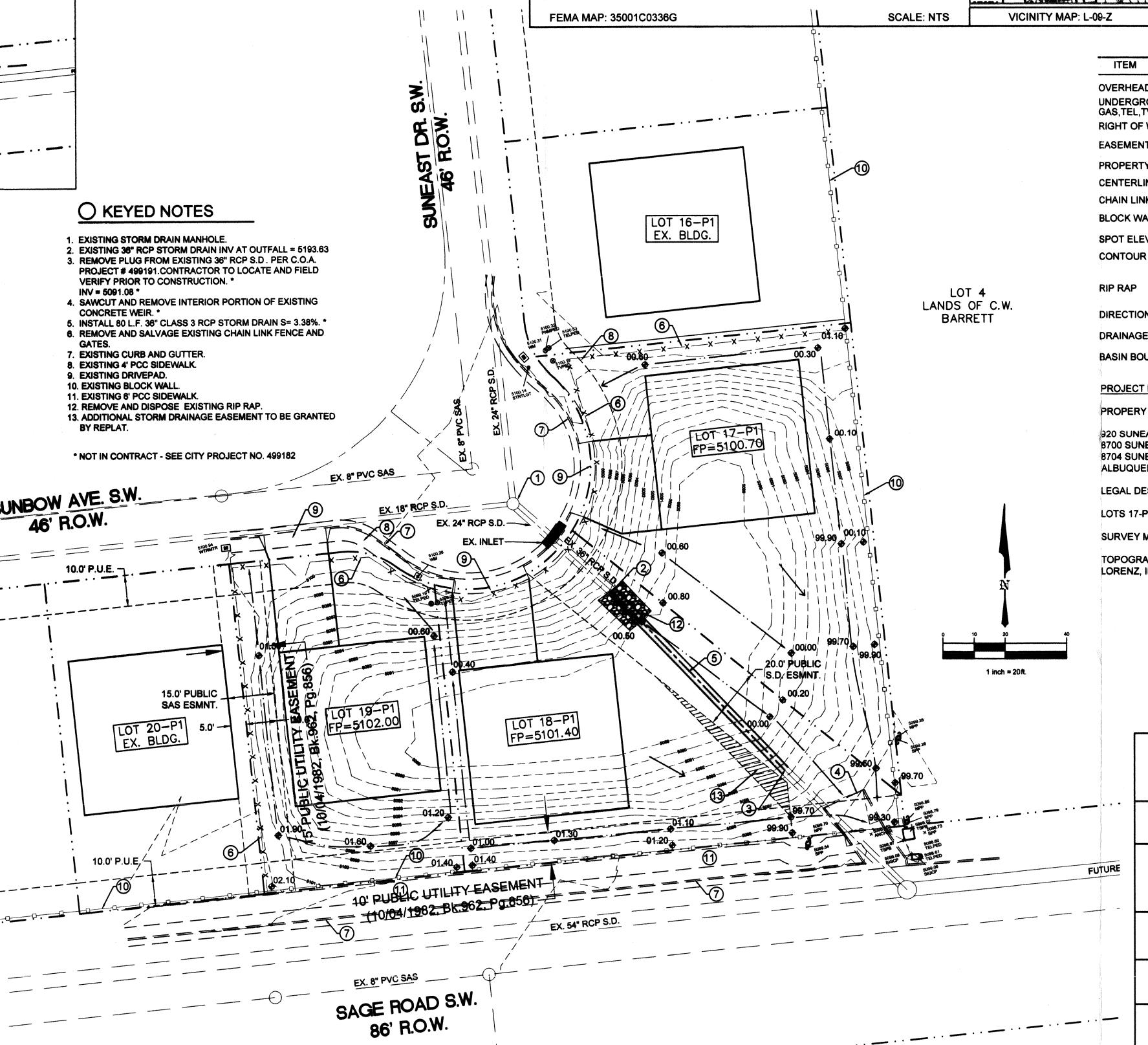
THE PENDING 86TH STREET - SAGE ROAD IMPROVEMENTS PROJECT PROPOSES TO EXTEND A PUBLIC STORM DRAIN TO THE SITE FROM THE TOWER PARK POND, LOCATED NEAR 86TH STREET AND TOWER ROAD SW.

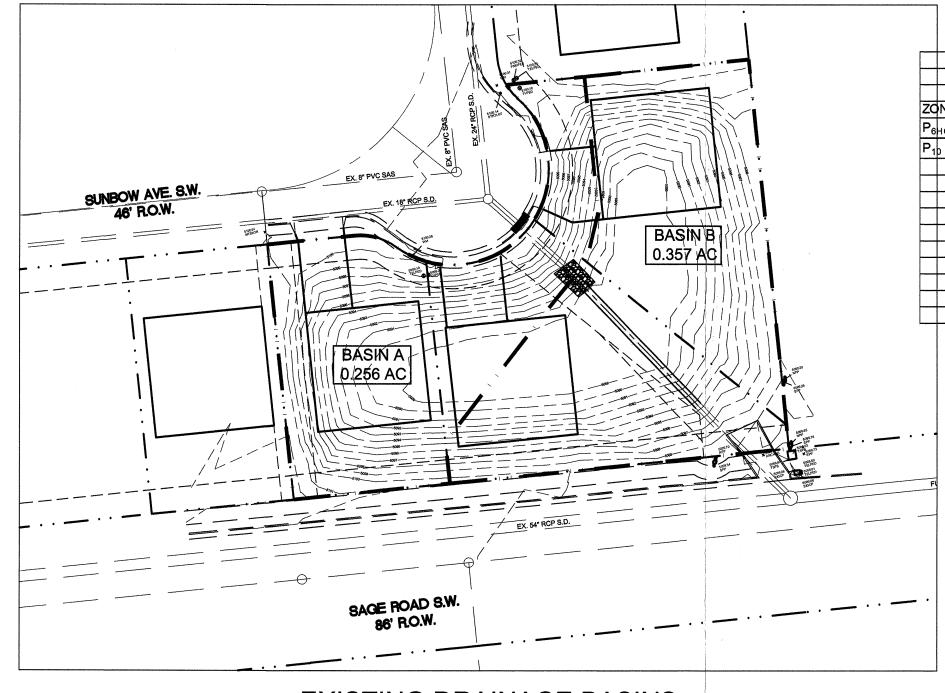
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SINCE THE INTERNAL DRAINAGE SYSTEM IS LOCATED IN A SUMP CONDITION, THE EXISTING 20' PUBLIC STORM DRAINAGE EASEMENT, WHICH CONTAINS THE 36-INCH STORM DRAIN, WILL REMAIN FEE AND CLEAR TO PROVIDE AN OVERFLOW PATH TO SAGE ROAD SHOULD THE SUMP INLET BECOME OVERWHELMED.

#### CALCULATIONS

THE CALCULATIONS SHOWN HEREON DEFINE THE 100 YEAR/6 HOUR DESIGN STORM FALLING WITHIN THE PROJECT AREA UNDER EXISTING AND DEVELOPED CONDITIONS. THE HYDROLOGY IS PER "SECTION 22.2, PART A, DEVELOPMENT PROCESS MANUAL, VOL. 2", DATED JUNE, 1997.





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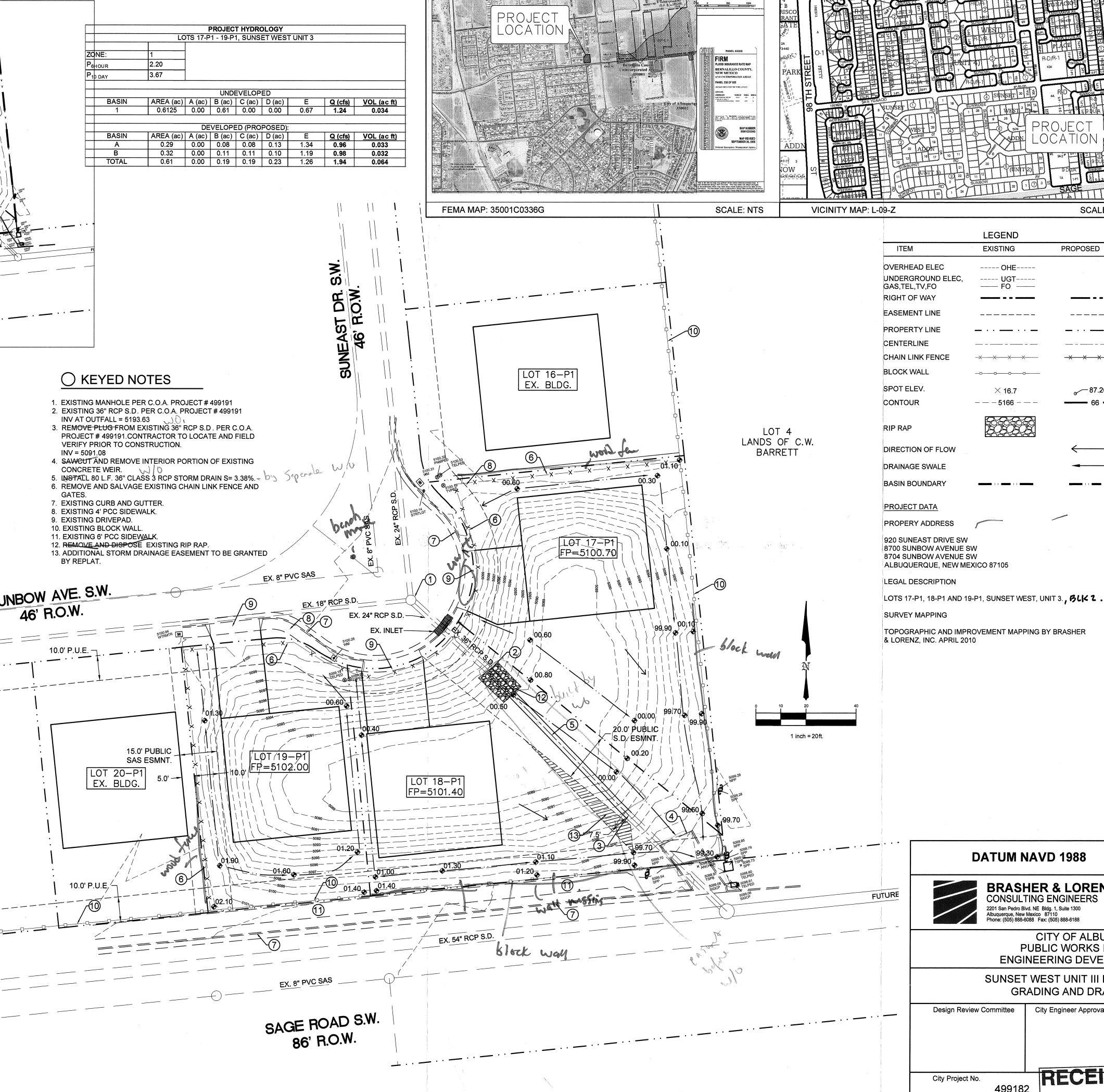
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SCALE: NTS

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PROPOSED

**LEGEND EXISTING** 

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**DATUM NAVD 1988** 

Design Review Committee

499182

**BRASHER & LORENZ** 

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

SUNSET WEST UNIT III LOTS 17,18 AND 19 GRADING AND DRAINAGE PLAN

JUL 27 2010

**HYDROLOGY** SECTION

RECEIVE ore Map No. Sheet of

City Engineer Approval

CONSULTING ENGINEERS 2201 San Pedro Blvd. NE Bldg. 1, Suite 1300 Albuquerque, New Mexico 87110 Phone: (505) 888-6088 Fax: (505) 888-6188