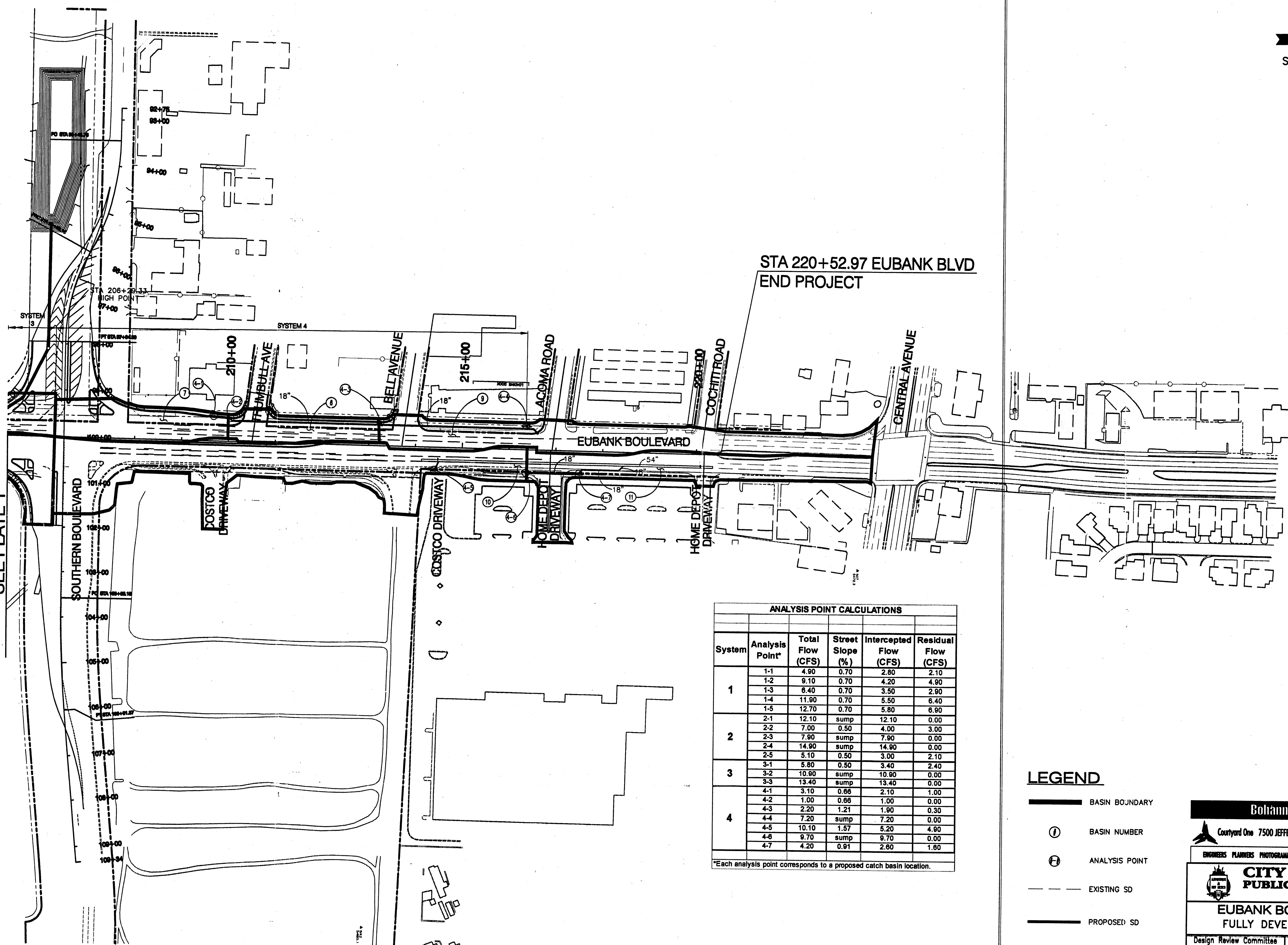




*Each analysis point corresponds to a proposed catch basin location

 BASIN BOUNDARY
 BASIN NUMBER
 ANALYSIS POINT
 EXISTING SD
 PROPOSED SD

Bohannon & Huston

 Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
 ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

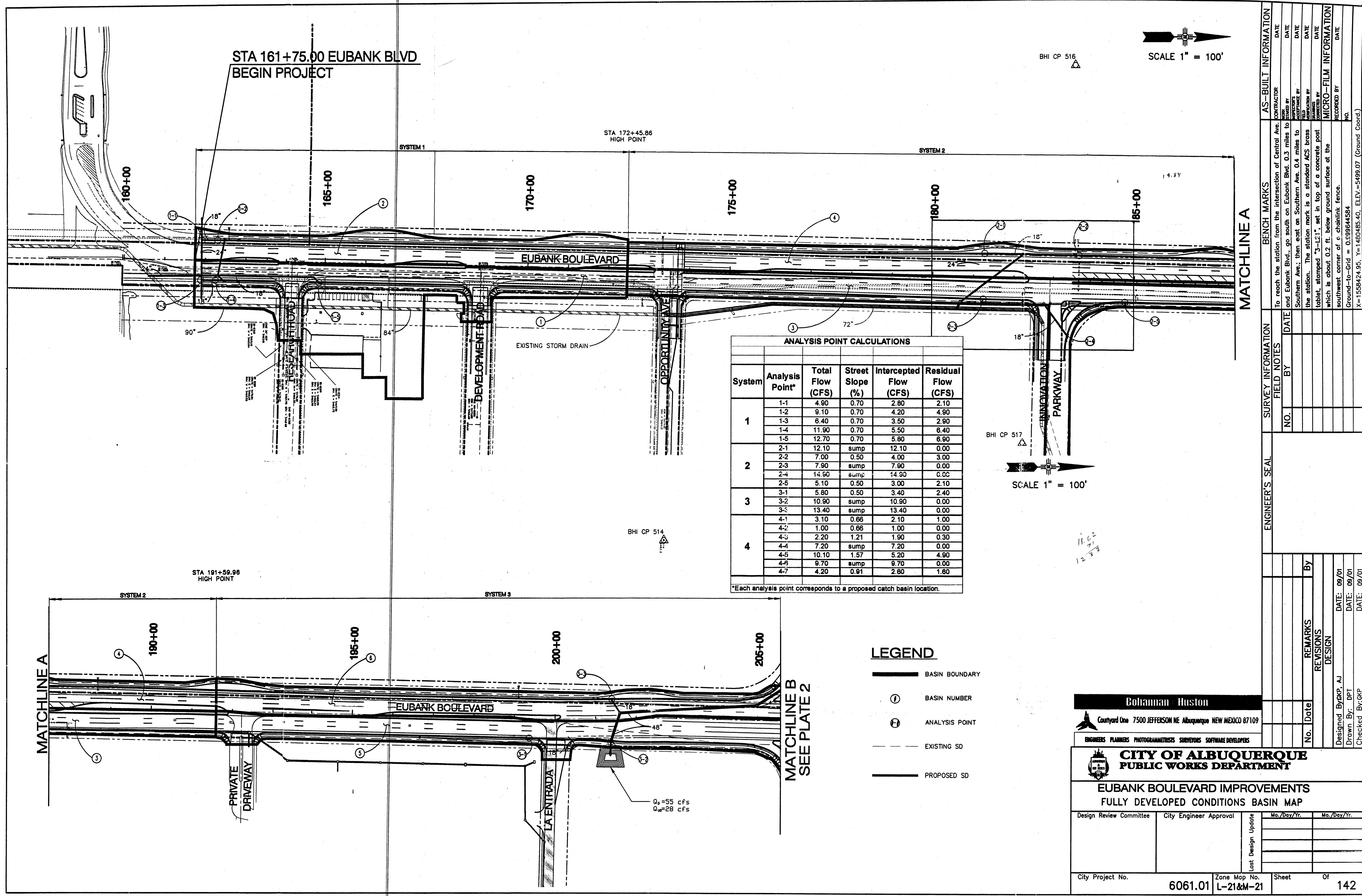
EUBANK BOULEVARD IMPROVEMENTS

FULLY DEVELOPED CONDITIONS BASIN MAP

BHI JOB NO. 00268

PLATE 2

Sheet	Of	142
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ANALYSIS POINT CALCULATIONS					
System	Analysis Point*	Total Flow (CFS)	Street Slope (%)	Intercepted Flow (CFS)	Residual Flow (CFS)
1	1-1	4.90	0.70	2.80	2.10
	1-2	9.10	0.70	4.20	4.90
	1-3	6.40	0.70	3.50	2.90
	1-4	11.90	0.70	5.50	6.40
	1-5	12.70	0.70	5.80	6.90
2	2-1	12.10	sump	12.10	0.00
	2-2	7.00	0.50	4.00	3.00
	2-3	7.90	sump	7.90	0.00
	2-4	14.90	sump	14.90	0.00
	2-5	5.10	0.50	3.00	2.10
3	3-1	5.80	0.50	3.40	2.40
	3-2	10.90	sump	10.90	0.00
	3-3	13.40	sump	13.40	0.00
4	4-1	3.10	0.66	2.10	1.00
	4-2	1.00	0.66	1.00	0.00
	4-3	2.20	1.21	1.90	0.30
	4-4	7.20	sump	7.20	0.00
	4-5	10.10	1.57	5.20	4.90
	4-6	9.70	sump	9.70	0.00
	4-7	4.20	0.91	2.80	1.40

*Each analysis point corresponds to a proposed catch basin location.

- LEGEND**
- BASIN BOUNDARY
 - BASIN NUMBER
 - ANALYSIS POINT
 - EXISTING SD
 - PROPOSED SD

Bohannon Huston
Courtney One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**EUBANK BOULEVARD IMPROVEMENTS
FULLY DEVELOPED CONDITIONS BASIN MAP**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
6061.01	L-21&M-21	142	

MATCHLINE A

MATCHLINE B
SEE PLATE 2

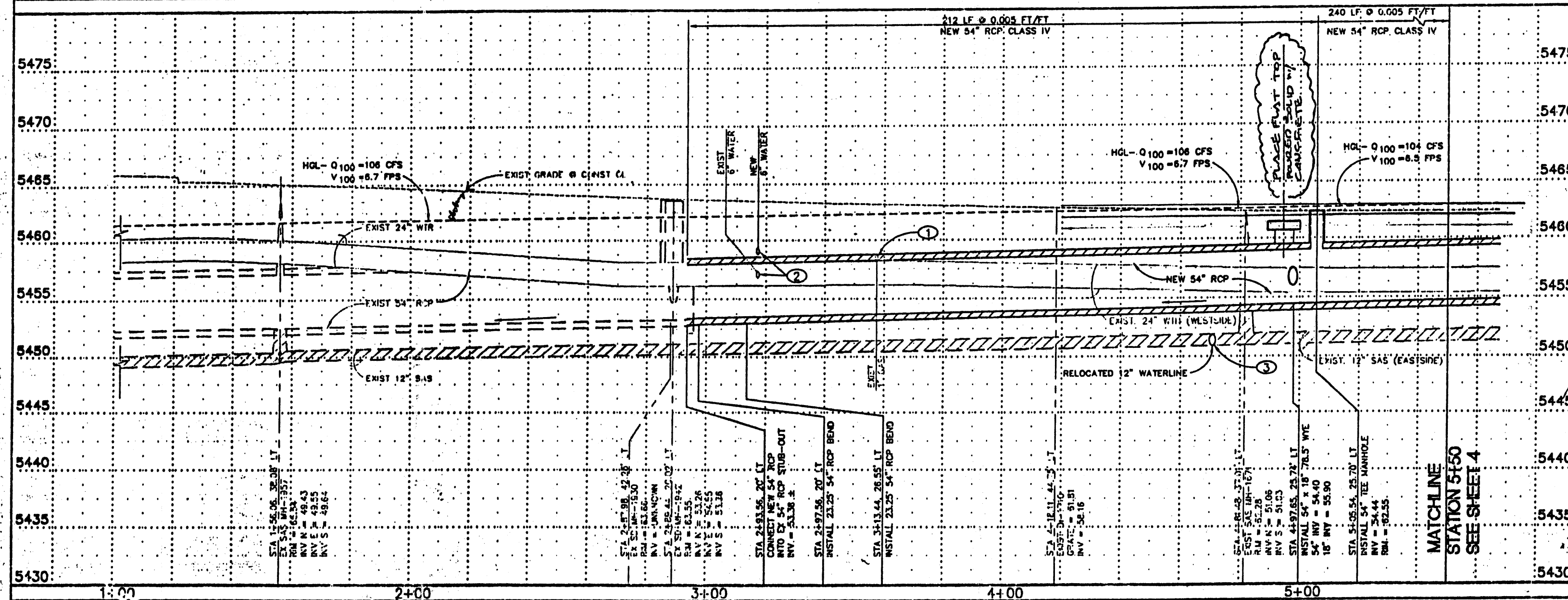
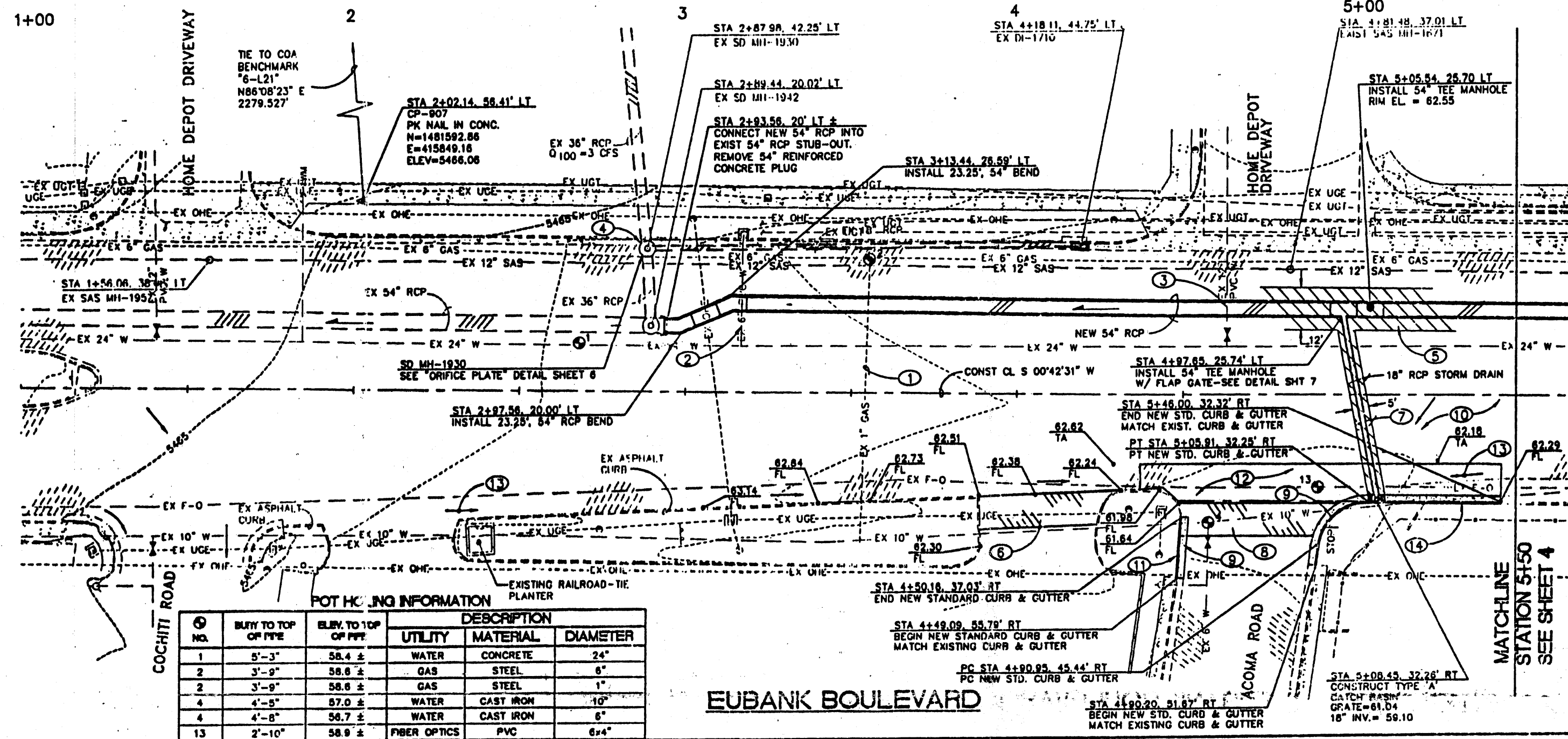
SCALE 1" = 100'

BHI CP 516

SCALE 1" = 100'

BHI CP 517

BHI CP 514



- ## KEYED NOTES:
- 1 COORDINATE WITH GAS CO. OF NEW MEXICO TO RAISE 1" GASLINE TO ACCOMMODATE NEW STORM DRAIN.
 - 2 REMOVE & REPLACE APPROX. 20 LF OF 6" PVC WATERLINE. SEE DETAIL "B" SHT. 7.
 - 3 REMOVE & REPLACE APPROX. 20 LF OF 12" WATERLINE. SEE DETAIL "A" SHT. 7.
 - 4 INSTALL ORIFICE PLATE IN EXISTING SD MANHOLE TO RESTRICT FLOW FROM 36" RCP EAST TO 3 CFS. SEE DETAIL ON SHT. 6
 - 5 12' PAVEMENT LIMITS FOR ASPHALT REMOVAL & REPLACEMENT UNLESS OTHERWISE NOTED OR APPROVED BY CITY FIELD ENGINEER. MATCH EXISTING GRADES, EXCEPT AS OTHERWISE SHOWN. SAWED ASPHALT PRIOR TO PLACING NEW ROAD SECTION. SEE DETAIL 2 ON SHEET 6.
 - 6 CONSTRUCT ASPHALT WATERBLOCK. SEE SECTION 1 SHEET 7.
 - 7 SEE PROFILE OF 18" STORM DRAIN ON SHEET 7.
 - 8 CONSTRUCT ASPHALT WATERBLOCK. SEE SECTION 2 SHEET 7.
 - 9 CONSTRUCT STANDARD CURB & GUTTER
 - 10 INSTALL ASPHALT PAVING PER SECTION 2 ON SHEET 6.
 - 11 CONSTRUCT NEW STANDARD CURB & GUTTER PER CITY OF ALBUQUERQUE STD. DWG. 2415. MATCH EXISTING INVERT AT STA. 4+49.09.
 - 12 REMOVE AND DISPOSE OF EXISTING AC PAVEMENT. REPAVE TO NEW GRADES SHOWN. NEW SECTION PER DETAIL 2 ON SHEET 6.
 - 13 OVERALL FLOW DIRECTION.
 - 14 REMOVE & DISPOSE OF 24 LF OF CONC. CURB

NOTE: RE-ROUTE OF EXISTING 6" AND 12" WATER LINES SHALL BE BETWEEN 12:00 MIDNIGHT AND 6:00 AM. CONTRACTOR SHALL COORDINATE SHUT-OFFS WITH THE CITY OF ALBUQUERQUE AND AFFECTED BUSINESSES.

RECORD DRAWING



Horizontal Scale: 1"=20'

Job #: 195106 SE7
Smith Engineering Company
A Full Service Engineering Company
 6250 Highway 200, Suite 200, Dallas, Texas 75249

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

UTMS EUBANK STORM DRAIN : COCHITI ROAD TO BELL AVENUE
UTILITY P & P: EUBANK BLVD: STA 1+00 TO 5+50

CITY ENGINEER

City Project No. - 4790.93

Zone Map No.
1-21

CONTRACTOR RMCI			
WORK STARTED BY	COA	DATE	6-20-68
INSPECTION BY	COA	DATE	6-22-68
FIELD VERIFICATION BY	COA	DATE	6-28-68
APPROVED BY	SEC	DATE	6-28-68
MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

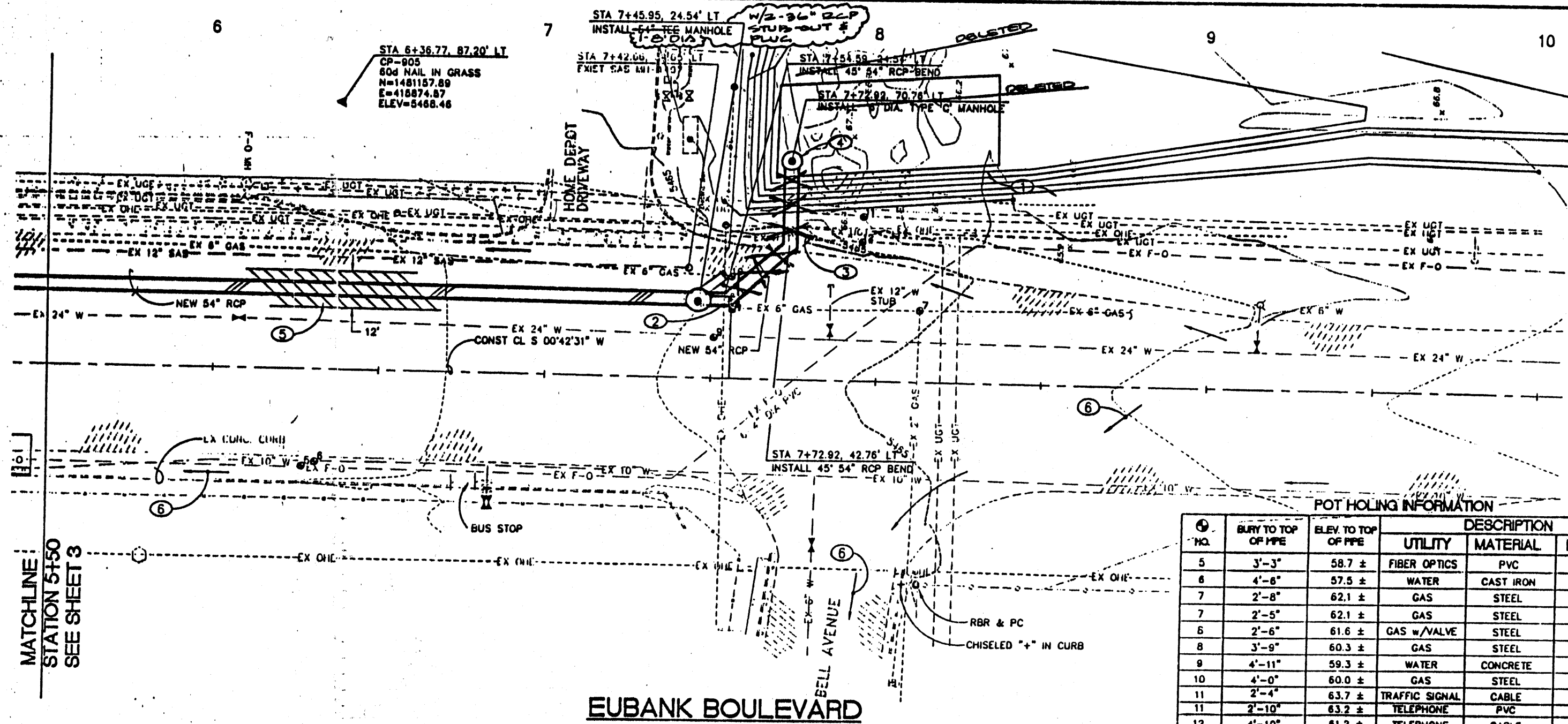
2.0-A BENCHMARK "B-121"
 AT THE INTERSECTION OF CENTRAL AND ELIZABETH
 ON THE MEDIAN.
 ELEVATION = 5500.669'
 GROUND COORDINATES : NORTHING = 1,481,746.33
 EASTING = 418,123.51
 GRID COORDINATES : NORTHING = 1,481,220.09
 EASTING = 417,975.01
 GROUND TO GRID FACTOR: 0.99984485

[illegible]

STATION & CONLEY
NEW MEXICO
REGISTERED
PATENT OFFICE
APR 24 1968
J. C. [Signature]

[illegible]

TO BELL AVENUE	
A 1:00 TO 5:50	
Day / Day / Mo	Day / Day / Mo
Sheet	3 of 13



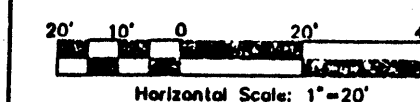
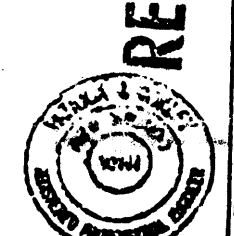
POT HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	UTILITY	MATERIAL	D'AMETER
5	3'-3"	58.7 ±	FIBER OPTICS	PVC	6x4"
6	4'-8"	57.5 ±	WATER	CAST IRON	10"
7	2'-8"	62.1 ±	GAS	STEEL	6"
7	2'-5"	62.1 ±	GAS	STEEL	2"
8	2'-6"	61.6 ±	GAS w/VALVE	STEEL	6"
8	3'-9"	60.3 ±	GAS	STEEL	6"
9	4'-11"	59.3 ±	WATER	CONCRETE	24"
10	4'-0"	60.0 ±	GAS	STEEL	6"
11	2'-4"	63.7 ±	TRAFFIC SIGNAL	CABLE	1 1/2"
11	2'-10"	63.2 ±	TELEPHONE	PVC	4"
12	4'-10"	61.2 ±	TELEPHONE	CABLE	2"
12	4'-0"	62.0 ±	TELEPHONE	CABLE	1 1/2"

KEYED NOTES:

- GRADE TO DRAIN TO THE 6" DIA MANHOLE INLET STRUCTURE, SEE GRADING DETAIL SH. 5
- COORDINATE WITH GAS CO. OF NEW MEXICO TO RELOCATE 6" GASLINE TO ACCOMMODATE NEW STORM DRAIN
- COORDINATE WITH USWEST TO RELOCATE EXISTING UNDERGROUND TELEPHONE LINE (IF REQUIRED).
- BUILD INLET STRUCTURE AT MANHOLE. SEE DETAIL "A" ON SHEET 6.
- 12" PAVEMENT LIMITS FOR ASPHALT REMOVAL & REPLACEMENT UNLESS OTHERWISE NOTED OR APPROVED BY CITY FIELD ENGINEER. MATCH EXISTING GRADES, EXCEPT AS OTHERWISE SHOWN. SAWCUT ASPHALT PRIOR TO PLACING NEW ROAD SECTION. SEE DETAIL 2/8.
- DIRECTION OF OVERLAND FLOW.

RECORD DRAWINGS



Job #: 195106 SE7
Smith Engineering Company
 A Full Service Engineering Company
 2000 Highway 20, Suite 200, Albuquerque, New Mexico 87102

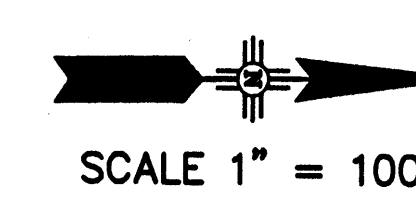
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE: EUBANK STORM DRAIN - COCHITI ROAD TO BELL AVENUE
 UTILITY P & P: EUBANK BLVD: STA 5+50 TO 9+50

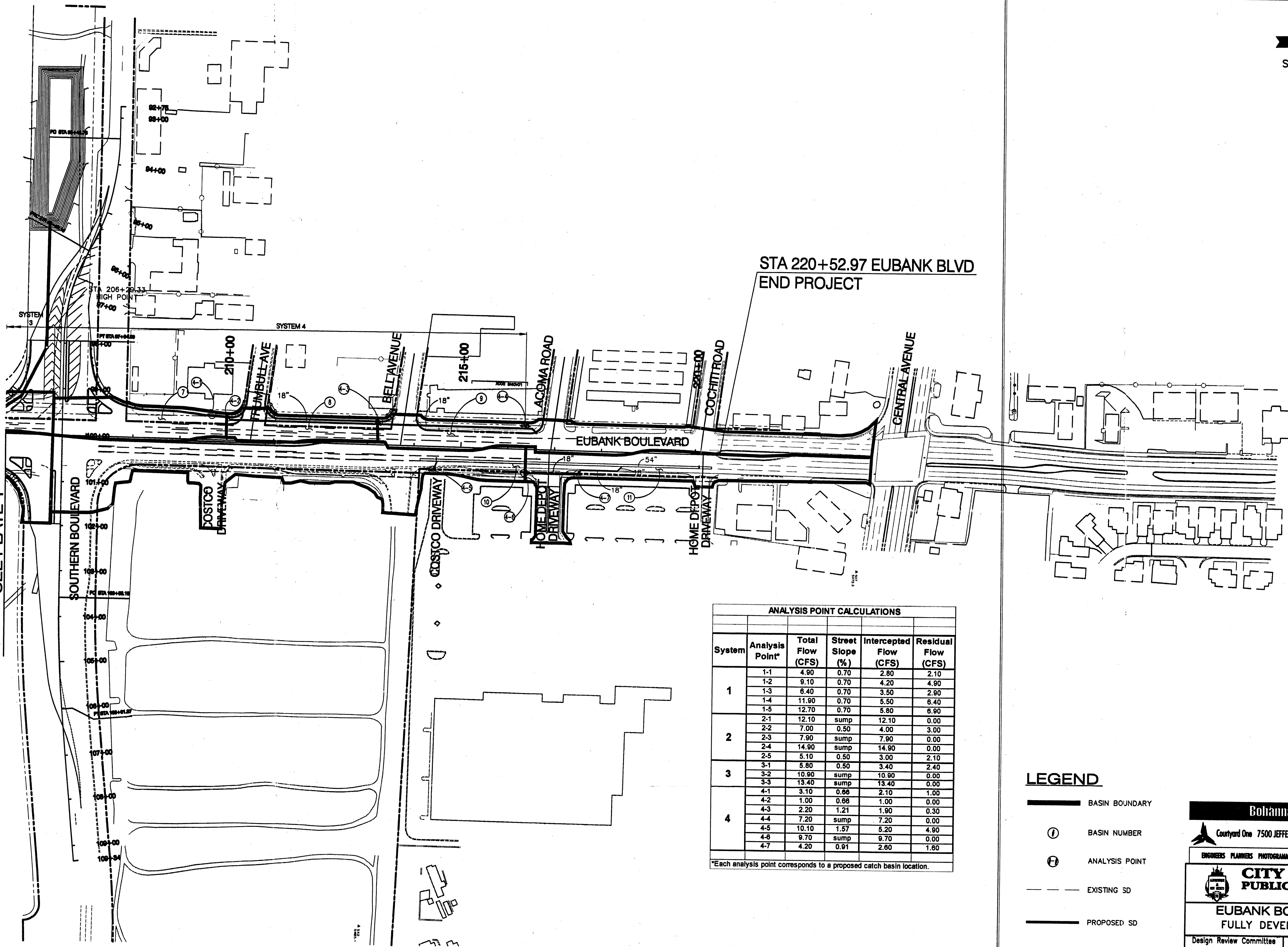
DESIGNED BY: SPK	CHECKED BY: DLA
DATE: 8/98	DATE: 8/98
DRAWN BY: JCS	CHECKED BY: JCS
DATE: 8/98	DATE: 8/98

City Project No. 4790.93 Zone Map No. L-21 Sheet 4 of 13





MATCHLINE B
SEE PLATE 1



STA 220+52.97 EUBANK BLVD
END PROJECT

ANALYSIS POINT CALCULATIONS					
System	Analysis Point*	Total Flow (CFS)	Street Slope (%)	Intercepted Flow (CFS)	Residual Flow (CFS)
1	1-1	4.90	0.70	2.80	2.10
	1-2	9.10	0.70	4.20	4.90
	1-3	6.40	0.70	3.50	2.90
	1-4	11.90	0.70	5.50	6.40
	1-5	12.70	0.70	5.80	6.90
2	2-1	12.10	sump	12.10	0.00
	2-2	7.00	0.50	4.00	3.00
	2-3	7.90	sump	7.90	0.00
	2-4	14.90	sump	14.90	0.00
	2-5	5.10	0.50	3.00	2.10
3	3-1	5.80	0.50	3.40	2.40
	3-2	10.90	sump	10.90	0.00
	3-3	13.40	sump	13.40	0.00
	4-1	3.10	0.66	2.10	1.00
	4-2	1.00	0.66	1.00	0.00
4	4-3	2.20	1.21	1.90	0.30
	4-4	7.20	sump	7.20	0.00
	4-5	10.10	1.57	5.20	4.90
	4-6	9.70	sump	9.70	0.00
	4-7	4.20	0.91	2.60	1.60

*Each analysis point corresponds to a proposed catch basin location.

LEGEND

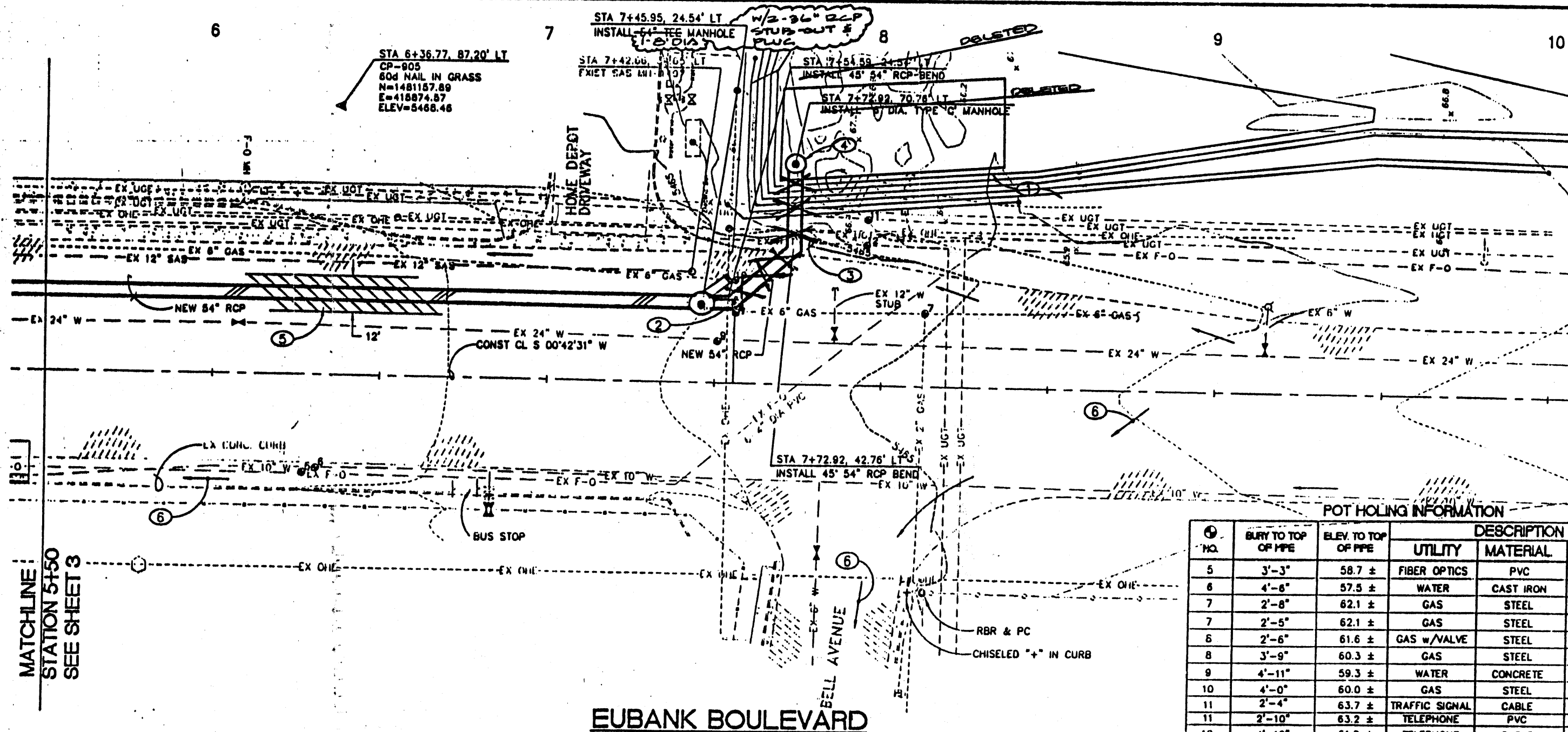
- BASIN BOUNDARY
- BASIN NUMBER
- ANALYSIS POINT
- EXISTING SD
- PROPOSED SD

Bohannon & Huston
Court yard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
EUBANK BOULEVARD IMPROVEMENTS
FULLY DEVELOPED CONDITIONS BASIN MAP

Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
City Project No. 6061.01	Zone Map No. L-21&M-21	Sheet 142	Of

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
		NO.		DATE		DATE	
		BY					



POT HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
5	3'-3"	58.7 ±	FIBER OPTICS	PVC	6x4"
6	4'-8"	57.5 ±	WATER	CAST IRON	10"
7	2'-8"	62.1 ±	GAS	STEEL	8"
7	2'-5"	62.1 ±	GAS	STEEL	2"
6	2'-6"	61.6 ±	GAS w/VALVE	STEEL	6"
8	3'-9"	60.3 ±	GAS	STEEL	6"
9	4'-11"	59.3 ±	WATER	CONCRETE	24"
10	4'-0"	60.0 ±	GAS	STEEL	6"
11	2'-4"	63.7 ±	TRAFFIC SIGNAL	CABLE	1 1/2"
11	2'-10"	63.2 ±	TELEPHONE	PVC	4"
12	4'-10"	61.2 ±	TELEPHONE	CABLE	2"
12	4'-0"	62.0 ±	TELEPHONE	CABLE	1 1/2"

- KEYED NOTES:
- GRADE TO DRAIN TO THE 6" DIA MANHOLE INLET STRUCTURE, SEE GRADING DETAIL SHT. 5
 - COORDINATE WITH GAS CO. OF NEW MEXICO TO RELOCATE 8" GASLINE TO ACCOMMODATE NEW STORM DRAIN
 - COORDINATE WITH USWEST TO RELOCATE EXISTING UNDERGROUND TELEPHONE LINE (IF REQUIRED).
 - BUILD INLET STRUCTURE AT MANHOLE. SEE DETAIL "A" ON SHEET 6.
 - 12" PAVEMENT LIMITS FOR ASPHALT REMOVAL & REPLACEMENT UNLESS OTHERWISE NOTED OR APPROVED BY CITY FIELD ENGINEER. MATCH EXISTING GRADES, EXCEPT AS OTHERWISE SHOWN. SAWCUT ASPHALT PRIOR TO PLACING NEW ROAD SECTION. SEE DETAIL 2/8.
 - DIRECTION OF OVERLAND FLOW.

AS BUILT INFORMATION

CONTRACTOR: BENTLEY

DATE: 04/98

BY: STEPHEN JAMES

REMARKS: DESIGN

DESIGNED BY: SPK

DRAWN BY: JCS

CHECKED BY: DLA

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

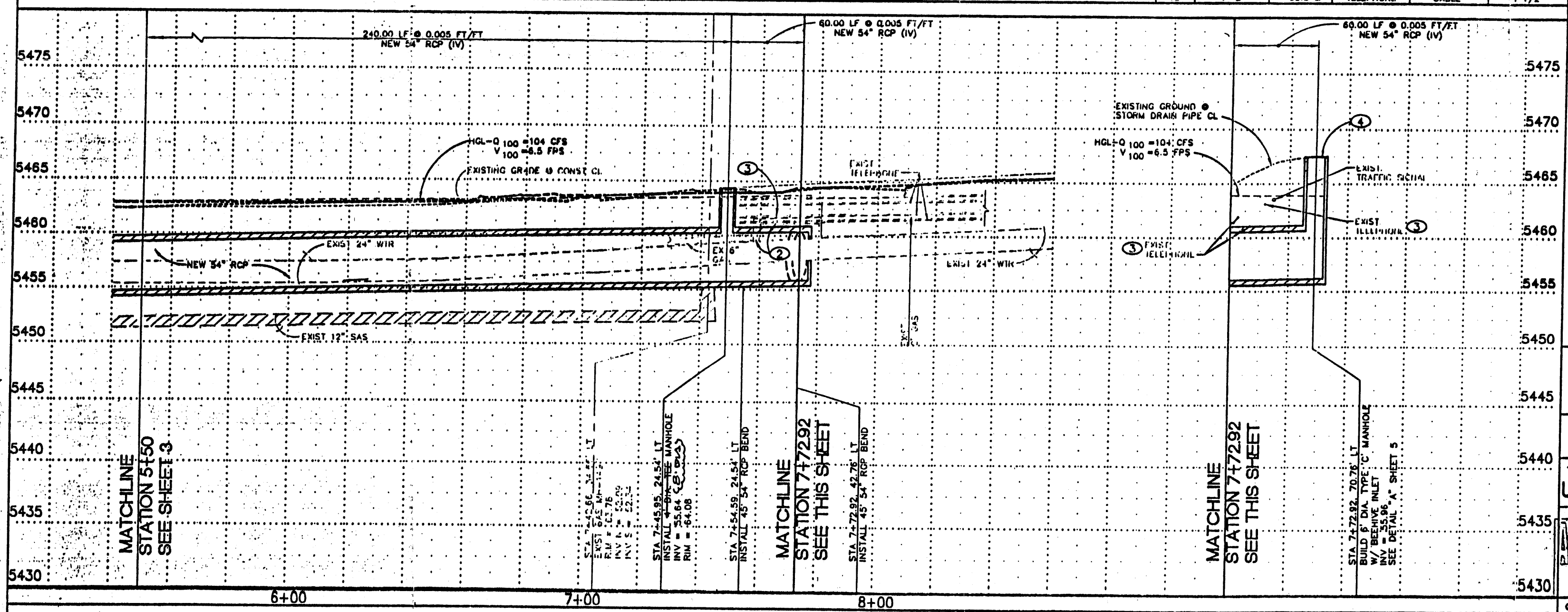
TITLE: EUBANK STORM DRAIN - COCHITI ROAD TO BELL AVENUE

UTILITY P & P: EUBANK BLVD: STA 5+50 TO 9+50

City Project No. 4790.93

Zone Map No. L-21

Sheet 4 of 13



ENGINEER'S SEAL

SMITH ENGINEERING COMPANY

Job #: 195106 SE7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

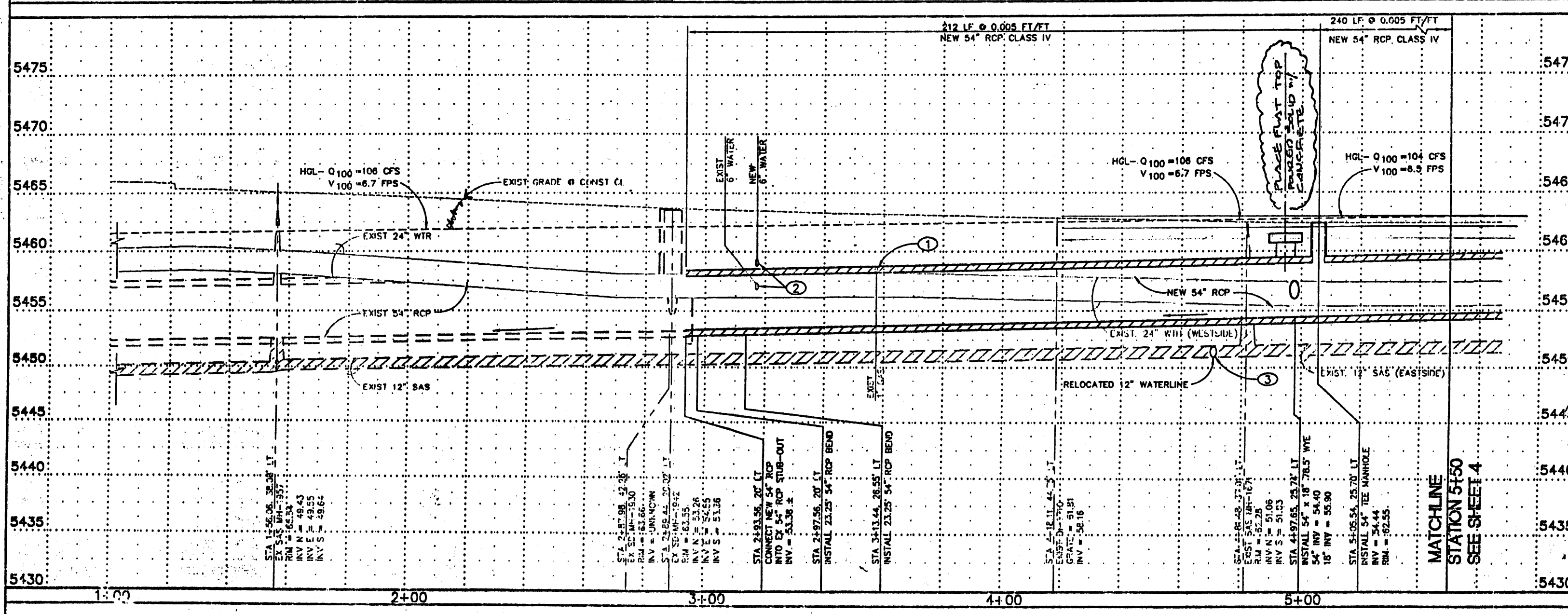
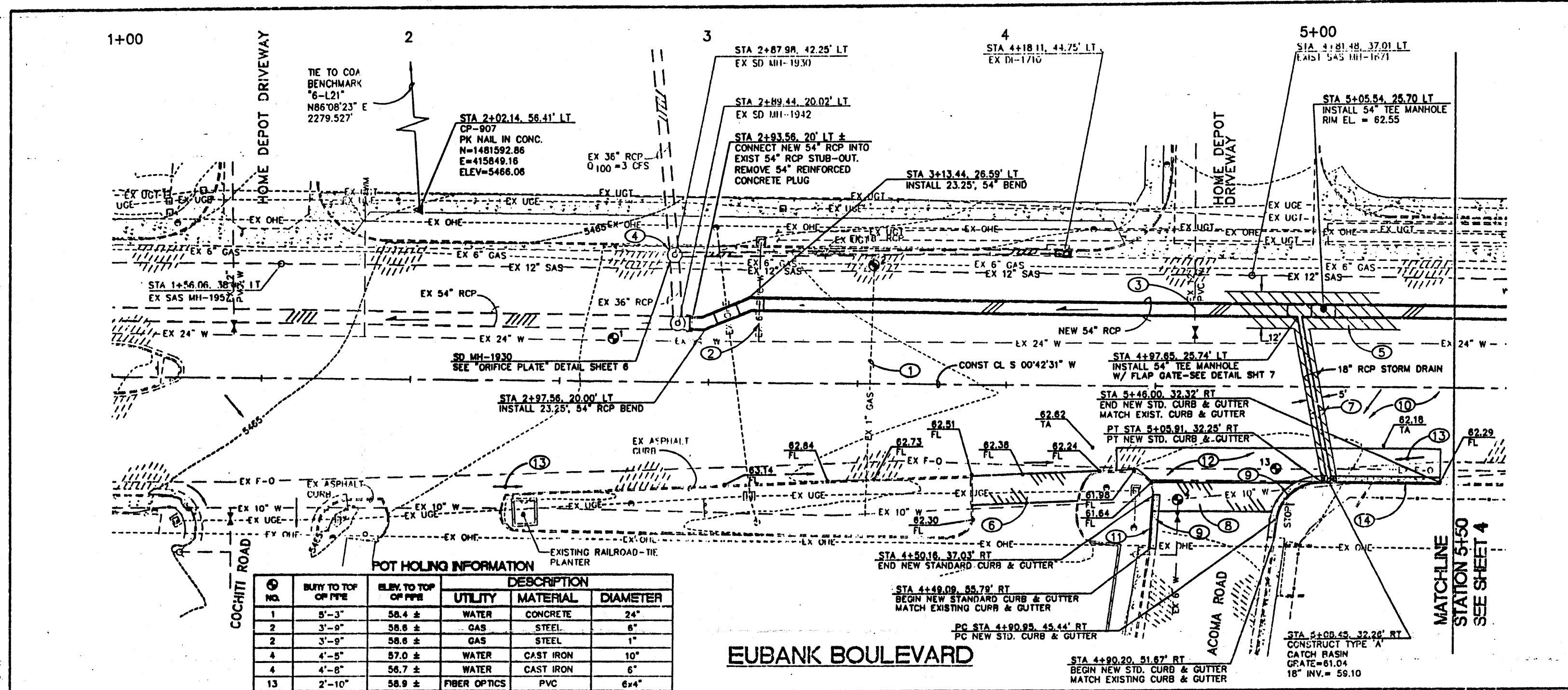
TITLE: EUBANK STORM DRAIN - COCHITI ROAD TO BELL AVENUE

UTILITY P & P: EUBANK BLVD: STA 5+50 TO 9+50

City Project No. 4790.93

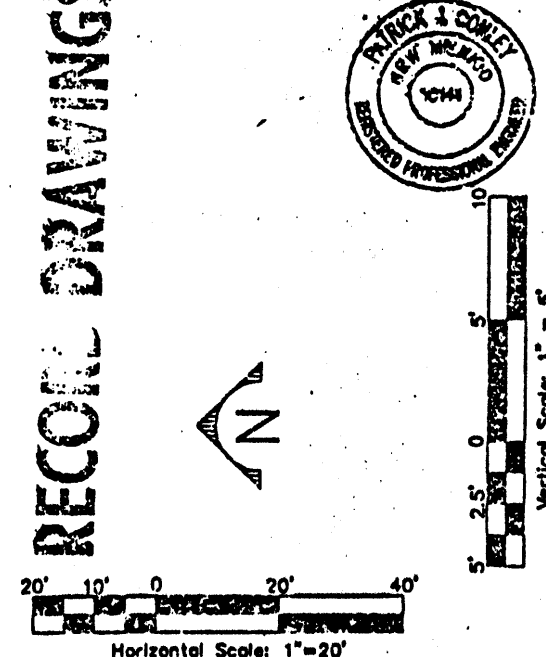
Zone Map No. L-21

Sheet 4 of 13



- KEYED NOTES:**
- COORDINATE WITH GAS CO. OF NEW MEXICO TO RAISE 1" GASLINE TO ACCOMMODATE NEW STORM DRAIN.
 - REMOVE & REPLACE APPROX. 20 LF OF 6" PVC WATERLINE. SEE DETAIL "B" SHT. 7.
 - REMOVE & REPLACE APPROX. 20 LF OF 12" WATERLINE. SEE DETAIL "A" SHT. 7.
 - INSTALL ORIFICE PLATE IN EXISTING SD MH-1930 TO RESTRICT FLOW FROM 36" RCP EAST TO 3 CFS. SEE DETAIL ON SHT. 6.
 - 12" PAVEMENT LIMITS FOR ASPHALT REMOVAL & REPLACEMENT UNLESS OTHERWISE NOTED OR APPROVED BY CITY FIELD ENGINEER. MATCH EXISTING GRADES, EXCEPT AS OTHERWISE SHOWN. SAWCUT ASPHALT PRIOR TO PLACING NEW ROAD SECTION. SEE DETAIL 2 ON SHEET 6.
 - CONSTRUCT ASPHALT WATERBLOCK. SEE SECTION 1 SHEET 7.
 - SEE PROFILE OF 18" STORM DRAIN ON SHEET 7.
 - CONSTRUCT ASPHALT WATERBLOCK. SEE SECTION 2 SHEET 7.
 - CONSTRUCT STANDARD CURB & GUTTER
 - INSTALL ASPHALT PAVING PER SECTION 2 ON SHEET 6.
 - CONSTRUCT NEW STANDARD CURB & GUTTER PER CITY OF ALBUQUERQUE STD. DWG. 2415. MATCH EXISTING INVERT AT STA. 4+49.09.
 - REMOVE AND DISPOSE OF EXISTING AC PAVEMENT. REPAVE TO NEW GRADES SHOWN. NEW SECTION PER DETAIL 2 ON SHEET 6.
 - OVERALL FLOW DIRECTION.
 - REMOVE & DISPOSE OF 24 LF OF CONC. CURB

NOTE: RE-ROUTE OF EXISTING 6" AND 12" WATER LINES SHALL BE BETWEEN 12:00 MIDNIGHT AND 6:00 AM. CONTRACTOR SHALL COORDINATE SHUT-OFFS WITH THE CITY OF ALBUQUERQUE AND AFFECTED BUSINESSES.



Job #: 195108 SE7
Smith Engineering Company
A Full Service Engineering Company

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TLB EUBANK STORM DRAIN: COCHITI ROAD TO BELL AVENUE
UTILITY P & P: EUBANK BLVD: STA 1+00 TO 5+00

DESIGNED BY SPK
DRAWN BY JCS
CHECKED BY DLA

DATE 6/96
DATE 8/96
DATE 8/96

City Project No. 4790.93
Zone Map No. L-21
Sheet 3 of 13

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEERS SEAL			
CONTRACTOR	DATE	BY	NO.	COA BENCHMARK	DATE	BY	NO.	FIELD NOTES	DATE	BY	NO.	REMARKS	DATE	BY	NO.
CONTRACTOR	DATE	BY	NO.	COA BENCHMARK	DATE	BY	NO.	FIELD NOTES	DATE	BY	NO.	REMARKS	DATE	BY	NO.
CONTRACTOR	DATE	BY	NO.	COA BENCHMARK	DATE	BY	NO.	FIELD NOTES	DATE	BY	NO.	REMARKS	DATE	BY	NO.

