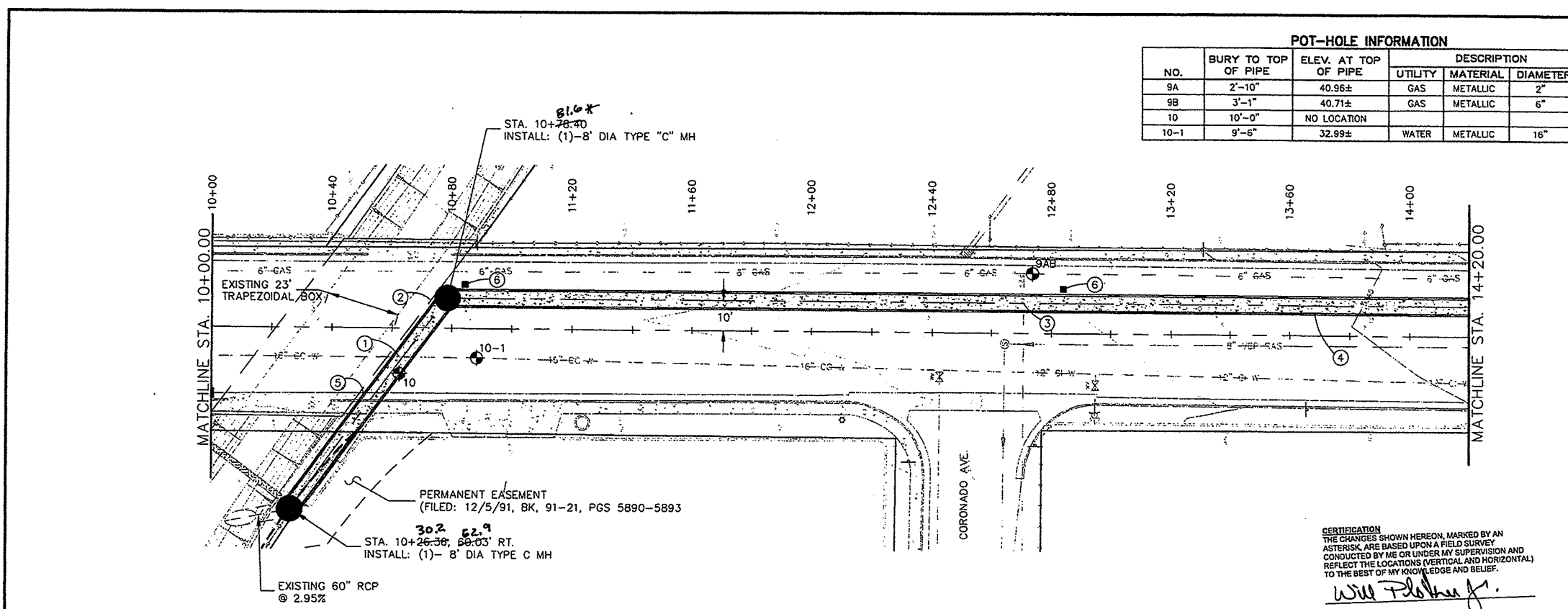
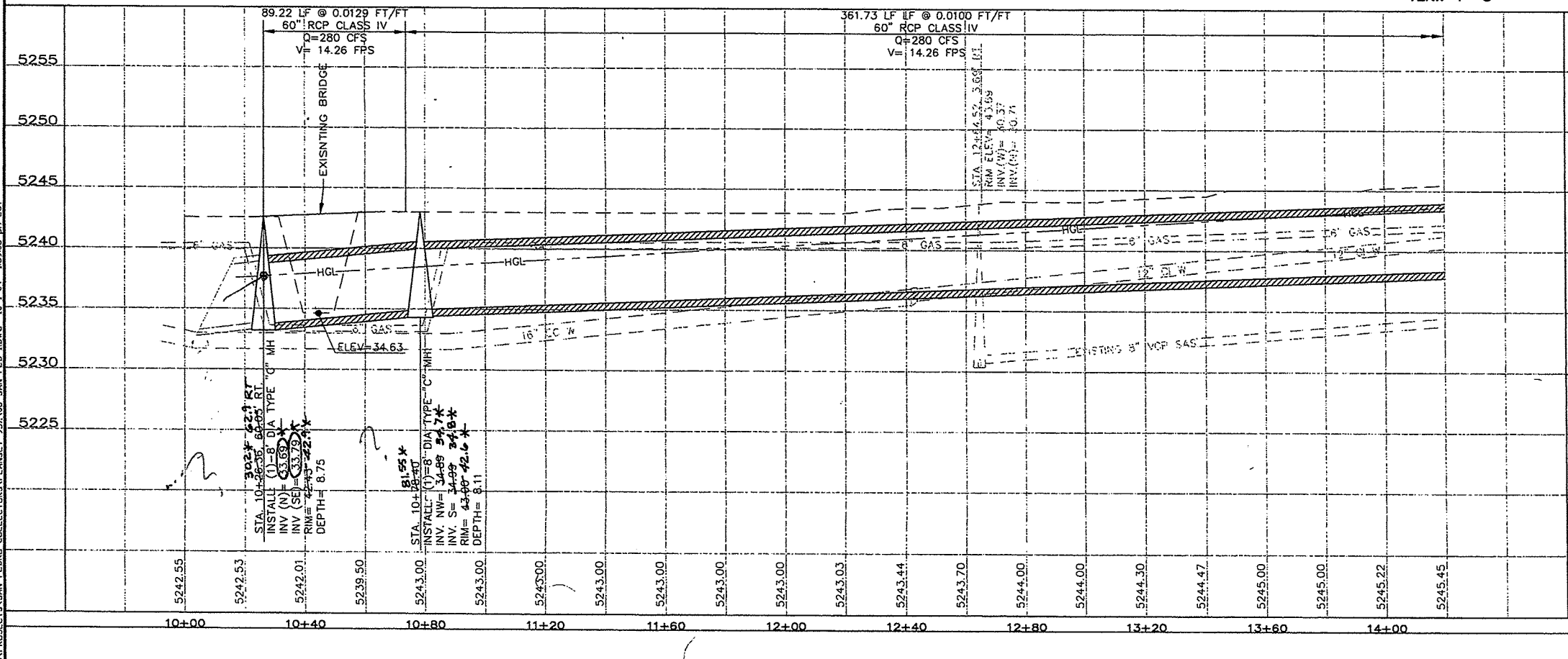




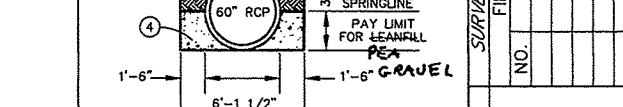
STATIONING: 10+00 TO 14+20.00
SAN PEDRO DRIVE
STA. 10+26.36 TO STA. 14+20.00



STATIONING: 10+00 TO 14+20.00
ELEVATION: 5225 TO 5255

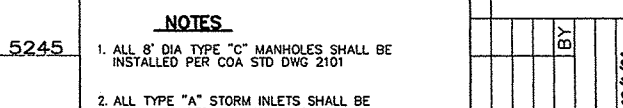
POT-HOLE INFORMATION					
NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
9A	2'-10"	40.96±	GAS	METALLIC	2"
9B	3'-1"	40.71±	GAS	METALLIC	6"
10	10'-0"	NO LOCATION	NO LOCATION		
10-1	9'-6"	32.99±	WATER	METALLIC	16"

KEYED NOTES:
1. CONTRACTOR TO PROTECT EXISTING 16" C.C. WL.
2. CONTRACTOR TO PROTECT EXISTING CONCRETE CHANNEL AND CONCRETE TRAPEZOIDAL BOX.
3. EXISTING 2" GAS LINE TO BE REMOVED AND RELOCATED BY PHM.
4. CONTRACTOR TO PLACE LEAN FILL TO SPRING LINE OF 60" RCP AT CENTERLINE OF PIPE.
5. SEE SHEET 16 FOR PROFILE OF RCP AT CENTERLINE OF PIPE.
6. MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL.



60" RCP INSTALLATION
PAY LIMIT FOR LEANFILL PER LINEAL FOOT OF 60" RCP PLACED= 0.49 CY/LF

NOTES:
1. ALL 8" DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101.
2. ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201.
3. ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205.



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

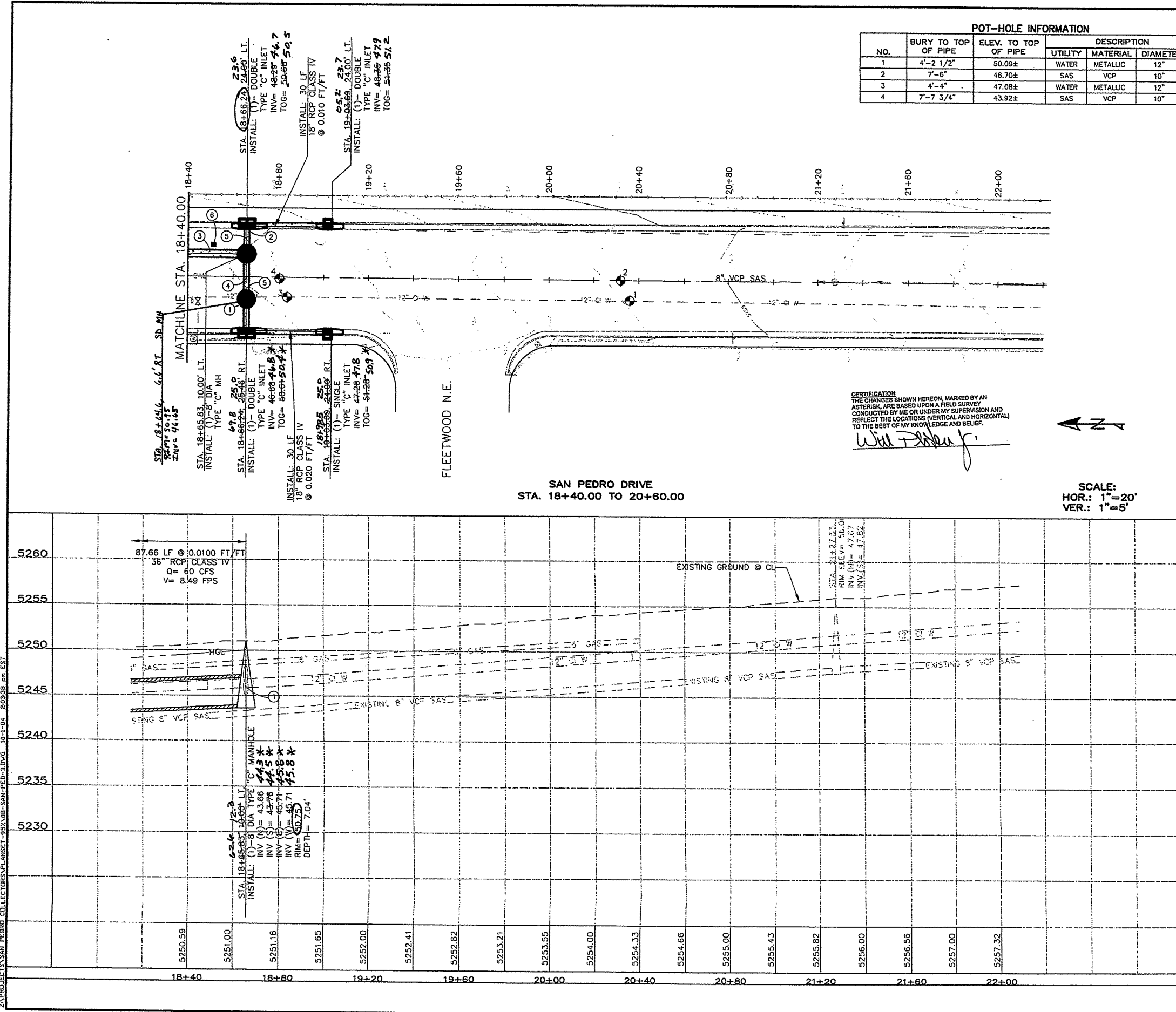
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
SAN PEDRO BOULEVARD - STA. B.O.P. TO STA. 14+20.00

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

CITY PROJECT NO. 716802
ZONE MAP NO. D-8
SHEET NO. [Blank]
DRAWING NO. 6 of 24

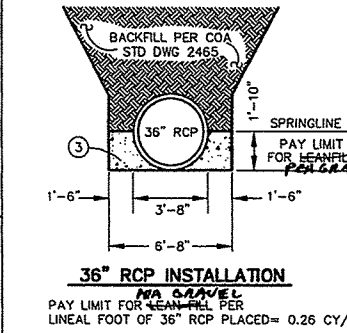
APPROVED
CITY ENGINEER
DATE: 10/1/04

APPROVED
DESIGN REVIEW COMMITTEE
DATE: 10/1/04



POT-HOLE INFORMATION					
NO.	BURY TO TOP OF PIPE	ELEV. TO TOP OF PIPE	UTILITY	MATERIAL	DIAMETER
1	4'-2 1/2"	50.09±	WATER	METALLIC	12"
2	7'-6"	46.70±	SAS	VCP	10"
3	4'-4"	47.08±	WATER	METALLIC	12"
4	7'-7 3/4"	43.92±	SAS	VCP	10"

- KEYED NOTES**
- CONTRACTOR TO PROTECT EXISTING 12" WATER LINE
 - CONTRACTOR TO PROTECT EXISTING 6" GAS LINE
 - CONTRACTOR TO PLACE LEAN FILL 90% COMP. TO SPRING LINE OF 36" RCP
 - CONTRACTOR TO PROTECT EXISTING 8" VCP SAS LINE
 - SEE SHEET 16 FOR CONNECTOR PIPE PROFILES
 - MONITORING WELL TO BE INSTALLED BY VINYARD & ASSOCIATES AFTER PLACEMENT OF PAVEMENT AND BEFORE REMOVAL OF TRAFFIC CONTROL



- NOTES**
- ALL 8" DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2201
 - ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201
 - ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION
SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO
UTILITY PLAN AND PROFILE SAN PEDRO BLVD.
SOUTH OF NORTH PINO ARROYO - STA. 18+40.00 TO STA. E.O.P.

DESIGNED BY REVIEWED BY	DATE DATE	REMARKS DESIGN	DATE DATE
DESIGNED BY REVIEWED BY	DATE DATE	REMARKS DESIGN	DATE DATE

City Project No. 76802 Zone Map No. 5-Sheet No. Drawing No. 8 of 24

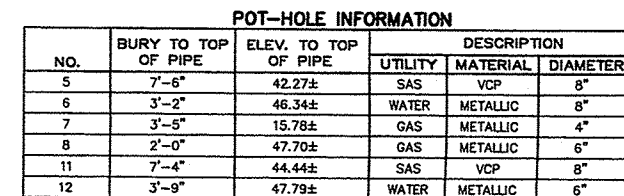
CONTRACTOR DATE BY	DATE DATE	REMARKS DESIGN	DATE DATE
CONTRACTOR DATE BY	DATE DATE	REMARKS DESIGN	DATE DATE

LAST BUILD INFORMATION
CONTRACTOR
DATE
BY

ENGINEER'S SEAL
DATE
DATE

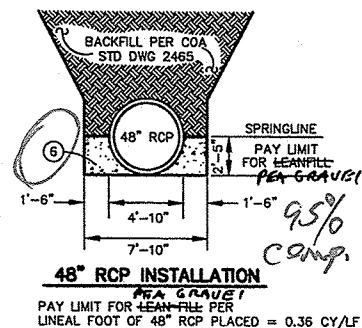
DESIGNED BY
REVIEWED BY DATE DATE | REMARKS DESIGN | DATE DATE || DESIGNED BY REVIEWED BY | DATE DATE | REMARKS DESIGN | DATE DATE |

City Project No. 76802 Zone Map No. 5-Sheet No. Drawing No. 8 of 24



CERTIFICATION
THE CHANGES SHOWN HEREON, MARKED BY AN
ASTERISK, ARE BASED UPON A FIELD SURVEY
CONDUCTED BY ME OR UNDER MY SUPERVISION AND
REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SCALE:
HOR.: 1"=20'
VER.: 1"=5'

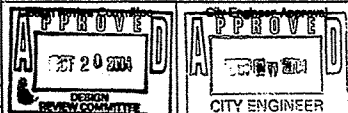


NOTES

1. ALL 8" DIA TYPE "C" MANHOLES SHALL BE INSTALLED PER COA STD DWG 2101
2. ALL TYPE "A" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2201
3. ALL DOUBLE TYPE "C" STORM INLETS SHALL BE INSTALLED PER COA STD DWG 2205



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT STORM DRAIN DESIGN DIVISION SAN PEDRO COLLECTORS TO THE NORTH PINO ARROYO UTILITY PLAN AND PROFILE DERICKSON AVE. SOUTH OF NORTH PINO ARROYO - STA. 10+00.00 TO STA. 12+80.00

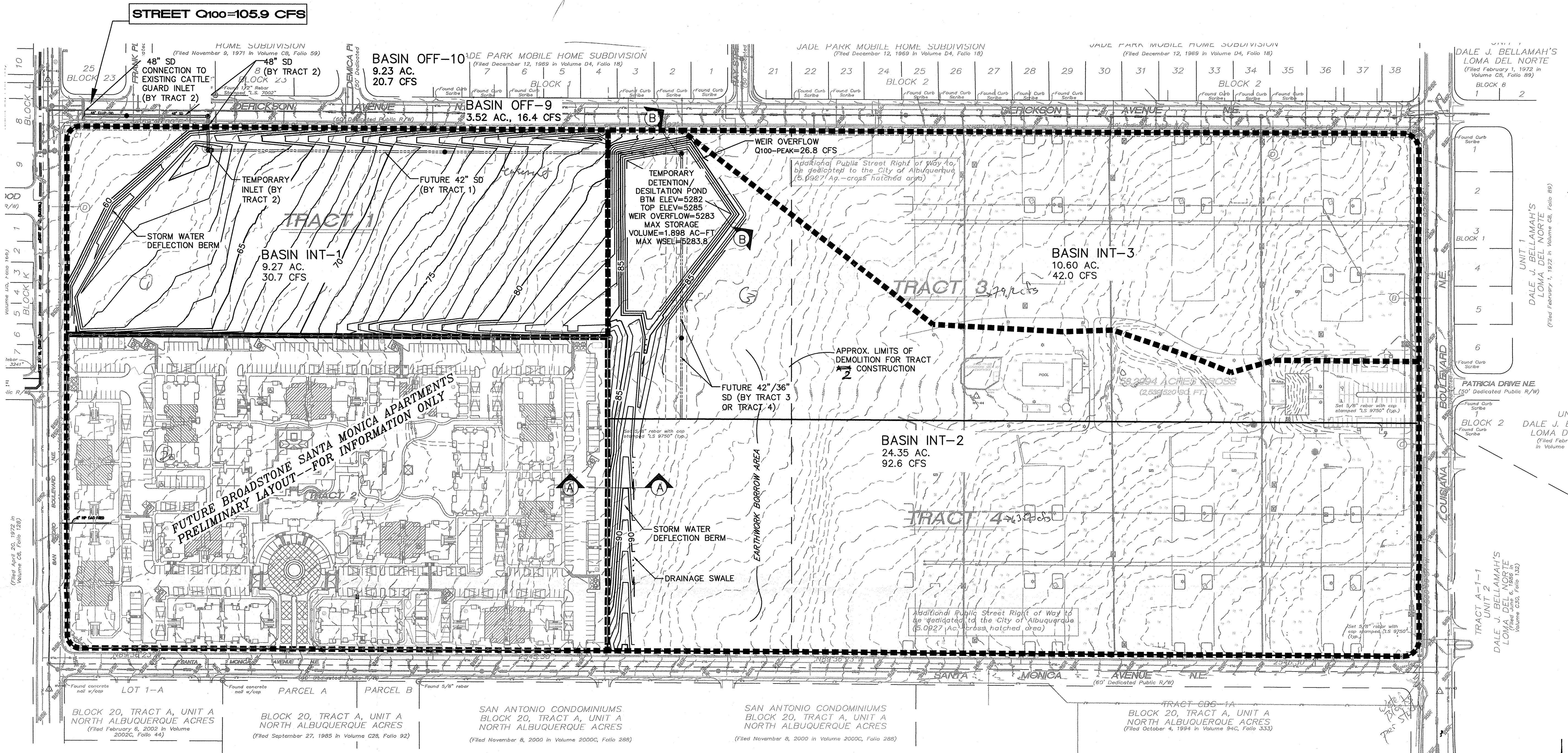


City Project No. 71802	Zone Map No. 7-18	Sheet No.	Drawing No. 9 of 24
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SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	PREPARED BY DATE	MUSKIE BRASS LOCATED AT THE INTERSECTION OF 3 OFFICES DRIVEWAY ON THE S-25	72S-14, 1987	PERFORMED BY DATE	Checked DATE
		FA-389.024 G-C-0.999898298	151,850.92	MEASURED BY DATE	10/1/87
		A=α= 0°11'56"	(1959)	RECORDED BY DATE	10/1/87
		ELEVATION= 5198.73			

[illegible]

Drawing No. 9 of 24



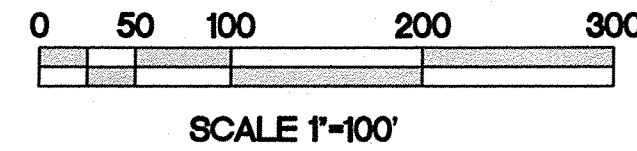
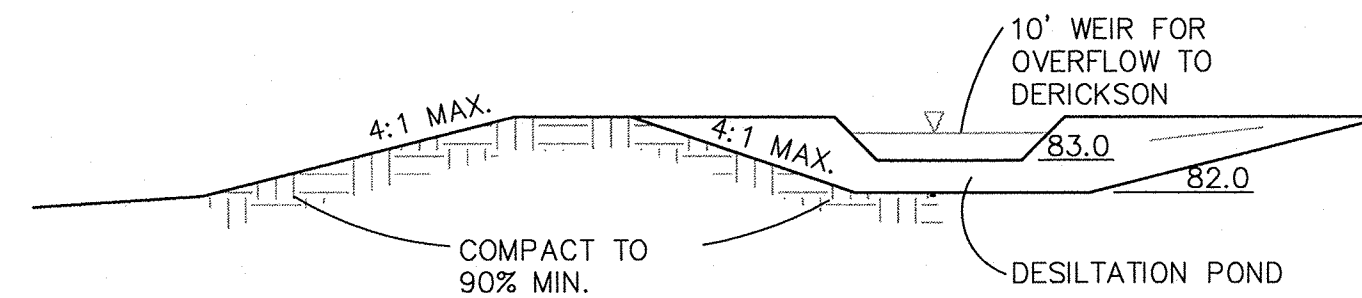
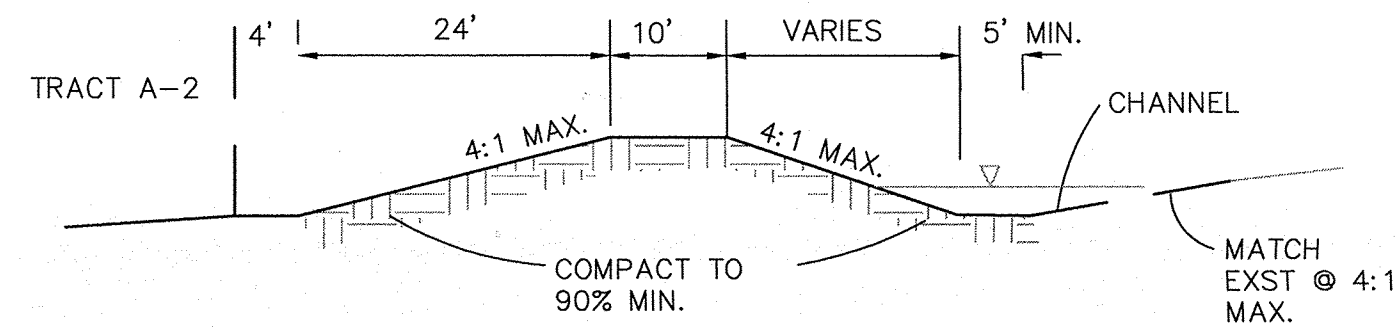
INTERIM DRAINAGE IMPROVEMENTS:

TRACT 2 (FIRST TRACT TO DEVELOP)
TRACT 2 SHALL INSTALL CONNECTION TO THE CATTLE GUARD INLET, 2 MANHOLES AND APPROXIMATELY 300 FEET OF 48" STORM DRAIN THAT WILL TERMINATE ON TRACT 1. A TEMPORARY INLET SHALL BE CONSTRUCTED ON TRACT 1 AT THE TERMINUS OF THE 48" STORM DRAIN, AND A TEMPORARY DETENTION/DESILTATION POND WITH WEIR OVERFLOW SHALL BE CONSTRUCTED ON TRACT 3.

TRACT 1 (SECOND TRACT TO DEVELOP)
TRACT 1 SHALL REMOVE THE TEMPORARY INLET AND INSTALL CONTINUATION OF 48" STORM DRAIN TO EAST LINE OF TRACT 1 (APPROXIMATELY 750 LF).

TRACT 3
TRACT 3 (IF PRECEDING TRACT 4 DEVELOPMENT) SHALL REMOVE TEMPORARY DETENTION/DESILTATION POND AND INSTALL 42"/36" STORM DRAIN FROM EAST LINE OF TRACT 1 TO NORTH LINE OF TRACT 4 (APPROXIMATELY 650 LF). A TEMPORARY POND SHALL BE CONSTRUCTED ON TRACT 4 TO DETAIN UNDEVELOPED FLOWS.

TRACT 4
TRACT 4 (IF PRECEDING TRACT 3 DEVELOPMENT) SHALL INSTALL 42"/36" STORM DRAIN FROM EAST LINE OF TRACT 1 TO TRACT 4 (APPROXIMATELY 650 LF).



ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 www.isaacson.com

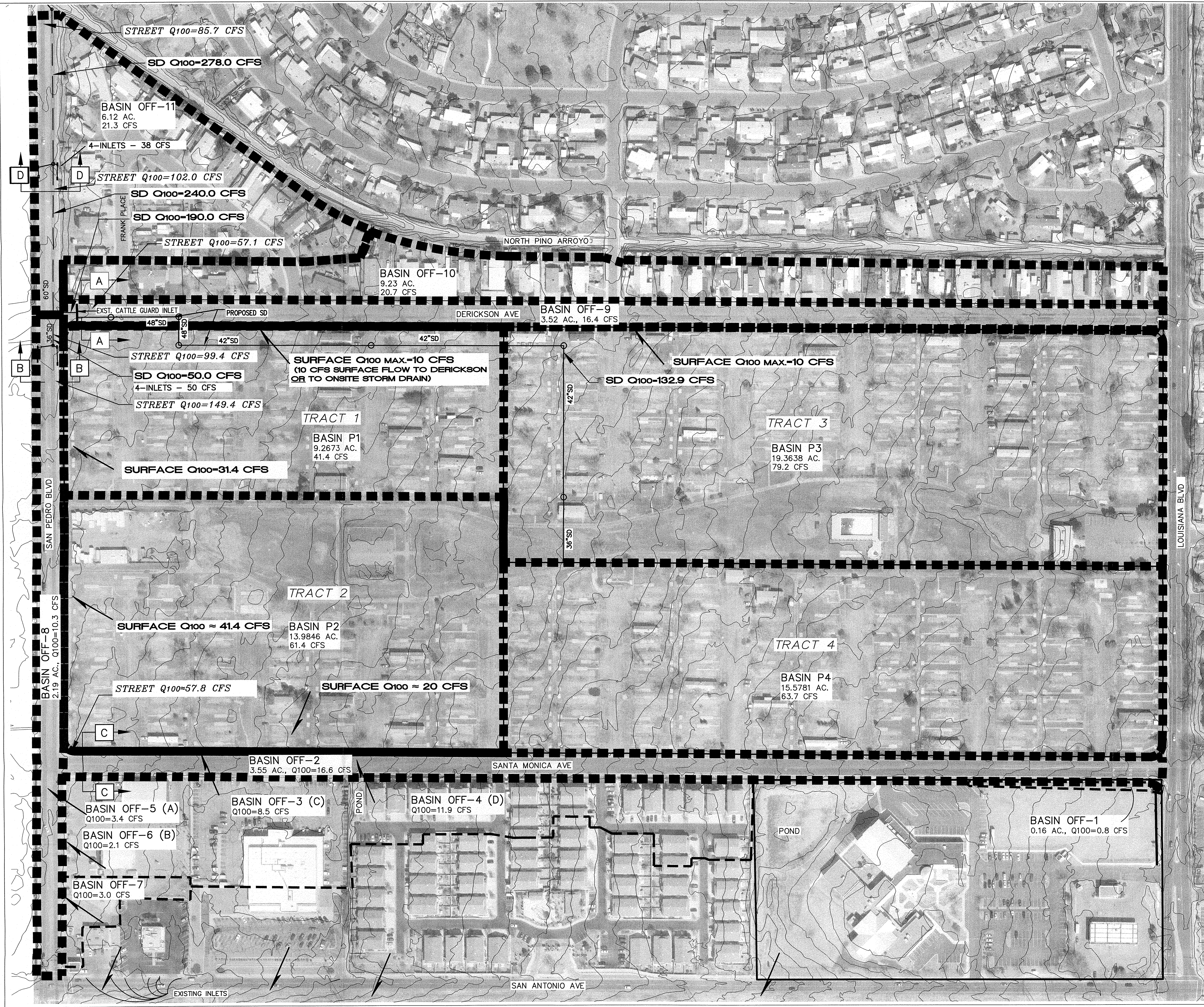
1900 CX-CG TEMP. PONDS.dwg Feb 16, 2012

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SANTA MONICA PLACE

INTERIM DRAINAGE PLAN

Date:	No. Revisions	Date	Job No.
1-25-12			
Drawn By:			PAGE
ANW			SH. OF 1
Ckd By:			



LAND TREATMENTS:

	%A	%B	%C	%D
BASIN P1 (TRACT 1 APARTMENTS)	0	5	20	75
BASIN P2 (TRACT 2 APARTMENTS)	0	5	25	70
BASINS P3 & P4 (TRACTS 3 & 4 RESIDENTIAL)	0	20	20	60
BASIN OFF-1 (PORTION OF GRACE LUTHERAN CHURCH)	0	0	15	85
BASIN OFF-2 (SANTA MONICA)	0	0	16	84
BASINS OFF-3-6	*** SEE NOTES BELOW ***			
BASIN OFF-7 (UNDEV. PORTION OF COMMERCIAL PARCEL)	0	0	15	85
BASIN OFF-8 (SAN PEDRO)	0	0	14	86
BASIN OFF-9 (DERICKSON)	0	0	16	84
BASIN OFF-10*	0	31	32	37
BASIN OFF-11*	0	35	35	30

*CALCULATED BASED ON DU/AC AND FORMULA PER DPM
SECTION 22.2, TABLE A-5.

- OFFSITE BASIN 100-YEAR FLOW INFORMATION:
- A. PER GRADING PLAN FOR US POST OFFICE, BY CHAVEZ-GRIEVES, DATED MARCH 1987.
 - B. PER DRAINAGE REPORT FOR SAN ANTONIO CONDOS, BY ISAACSON & ARFMAN, DATED APRIL 1999.
 - C. PER GRADING PLAN FOR FAMILY DOLLAR, BY MARK GOODWIN & ASSOC., DATED APRIL 2002.
 - D. PER GRADING PLAN FOR SANDIA DOG OBEDIENCE SCHOOL, BY MARK GOODWIN & ASSOC., DATED MAY 2002.

LEGEND

BERNALILLO COUNTY 2'-
INTERVAL EXISTING CONTOUR

BASIN BOUNDARY

110.5 CFS

100-YR, 6-HR FLOWRATE
(FROM AHYMO OR PER
APPROVED DRAINAGE PLANS)

SECTION FOR STREET
CAPACITY CALCULATIONS

0 50 100 200 300
SCALE 1"=100'

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 www.iacivil.com

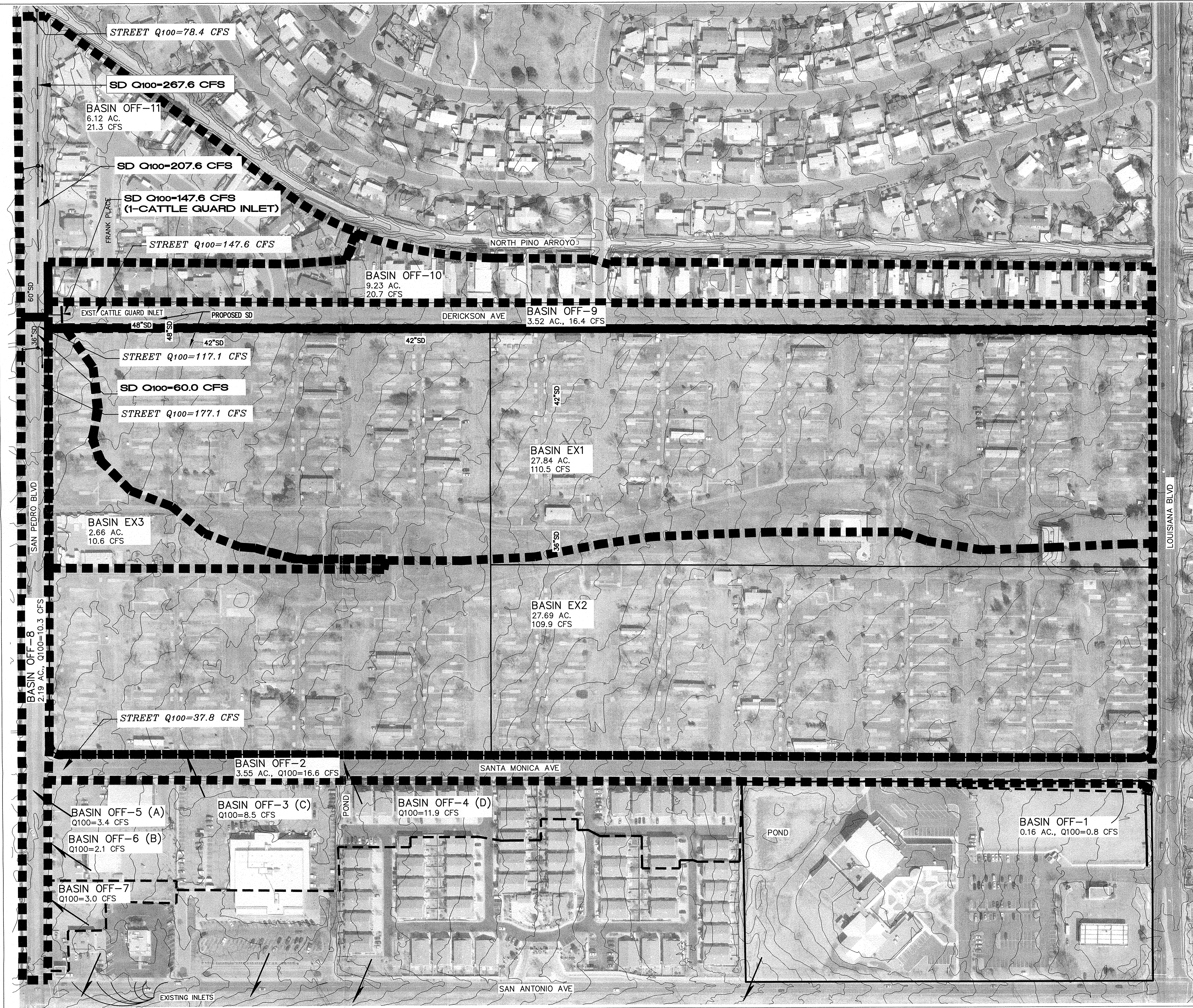
1900 C-701-BASIN OVERALL.dwg Feb 16, 2012

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SANTA MONICA PLACE

PROPOSED DRAINAGE BASIN EXHIBIT

Date:	No. Revisions	Date	Job No.
1/20/12			1900
Drawn By:			PAGE
ANW			SH.1 OF 1
Ckd By:			



LAND TREATMENTS:

	%A	%B	%C	%D
BASIN EX1*	0	23	23	54
BASIN EX2*	0	23	23	54
BASIN EX3*	0	23	23	54
BASIN OFF-1 (PORTION OF GRACE LUTHERAN CHURCH)	0	0	15	85
BASIN OFF-2 (SANTA MONICA)	0	0	16	84
BASINS OFF-3-6	*** SEE NOTES BELOW ***			
BASIN OFF-7 (UNDEV. PORTION OF COMMERCIAL PARCEL)	0	0	15	85
BASIN OFF-8 (SAN PEDRO)	0	0	14	86
BASIN OFF-9 (DERICKSON)	0	0	16	84
BASIN OFF-10**	0	31	32	37
BASIN OFF-11**	0	35	35	30

* FROM STUDY PHASE LETTER FOR SAN PEDRO COLLECTORS
BY THOMPSON ENGINEERING CONSULTANTS, INC., APRIL 2004

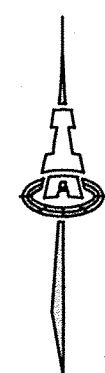
** CALCULATED BASED ON DU/AC AND FORMULA PER DPM
SECTION 22.2, TABLE A-5.

OFFSITE BASIN 100-YEAR FLOW INFORMATION:

- PER GRADING PLAN FOR US POST OFFICE, BY
CHAVEZ-GRIEVES, DATED MARCH 1987.
- PER DRAINAGE REPORT FOR SAN ANTONIO CONDOS, BY
ISAACSON & ARFMAN, DATED APRIL 1999.
- PER GRADING PLAN FOR FAMILY DOLLAR, BY MARK
GOODWIN & ASSOC., DATED APRIL 2002.
- PER GRADING PLAN FOR SANDIA DOG OBEDIENCE SCHOOL,
BY MARK GOODWIN & ASSOC., DATED MAY 2002.

LEGEND

- BERNALILLO COUNTY 2'-
INTERVAL EXISTING CONTOUR
- BASIN BOUNDARY
- 110.5 CFS 100-YR, 6-HR FLOWRATE
(FROM AHYMO OR PER
APPROVED DRAINAGE PLANS)



SCALE 1"=100'

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SANTA MONICA PLACE

EXISTING DRAINAGE BASIN EXHIBIT

Date:	No. Revisions	Date	Job No.
1/20/12			1900
Drawn By:			PAGE
ANW			SH.1 OF 1
Clk By:			