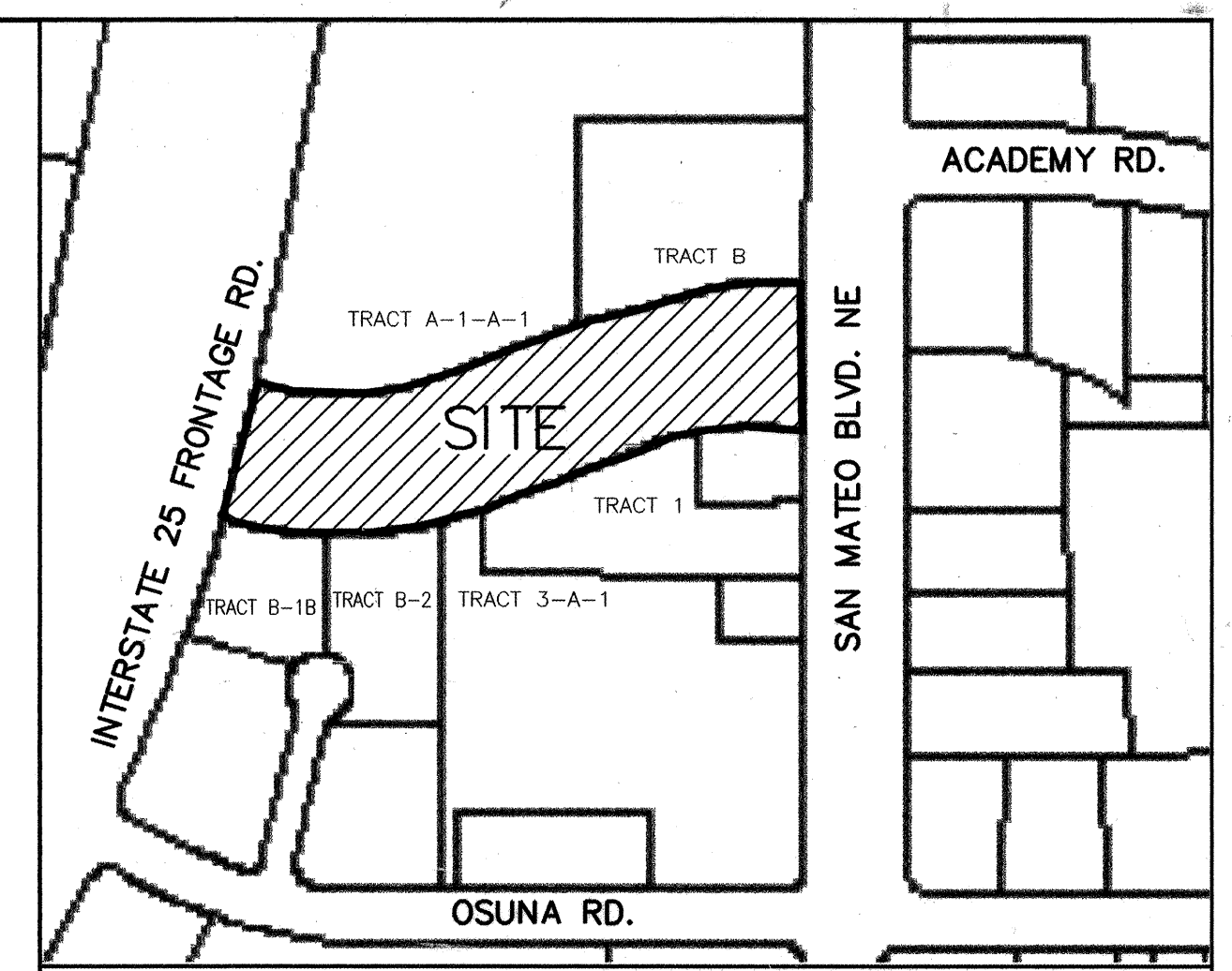


SCANNED
BY PLN

CONSTRUCTION PLANS

FOR

SAN MATEO DEL NORTE (BEAR ARROYO)



VICINITY MAP ZONE ATLAS E-17-Z

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-7236.81 06

CITY OF ALBUQUERQUE
NEW MEXICO
MARCH 2004

RECORD DRAWING

I, SHAHAB BIAZAR, OF THE FIRM OF ADVANCED ENGINEERING AND CONSULTING, LLC, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE INFRASTRUCTURE INSTALLED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR BY A QUALIFIED PERSON UNDER MY DIRECT SUPERVISION AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE CITY ENGINEER AND THAT THE ORIGINAL DESIGN INTENT OF THE APPROVED PLANS HAS BEEN MET, EXCEPT AS NOTED BY ME ON THE AS-BUILT CONSTRUCTION DRAWINGS. THIS CERTIFICATION IS BASED ON SITE INSPECTIONS BY ME OR PERSONNEL UNDER MY DIRECTION AND SURVEY INFORMATION PROVIDED BY LEONARD MARTINEZ OF ADVANCED ENGINEERING, NMPS NUMBER 8901.

SHAHAB BIAZAR, PE
NMPE NO. 13479
DATE 1/19/06
Advanced Eng. & Cons., LLC

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. GRADING AND DRAINAGE PLAN

TRAFFIC CONTROL PLANS

10. DECELERATION LANE (I-25 FRONTAGE ROAD)
11. DECELERATION LANE (SAN MATEO BLVD.)

STORM SEWER AND UTILITY IMPROVEMENTS

4. MASTER UTILITY PLAN
5. SAS AND WATER LINE
6. STORM SEWER IMPROVEMENTS
7. BOX CULVERT IMPROVEMENTS
8. DETAIL SHEET (CULVERT BOX)
9. DETAIL SHEET (CULVERT BOX)

TRAFFIC CONTROL PLAN

USE COA TRAFFIC CONTROL PLAN.
USE TYPICAL RIGHT LANE CLOSURE
FOR CONSTRUCTION.

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Bryan Wolfe, P.E.
DATE: 7/18/2006

NOTICE TO CONTRACTORS

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 FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. 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 CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS 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. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.
8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

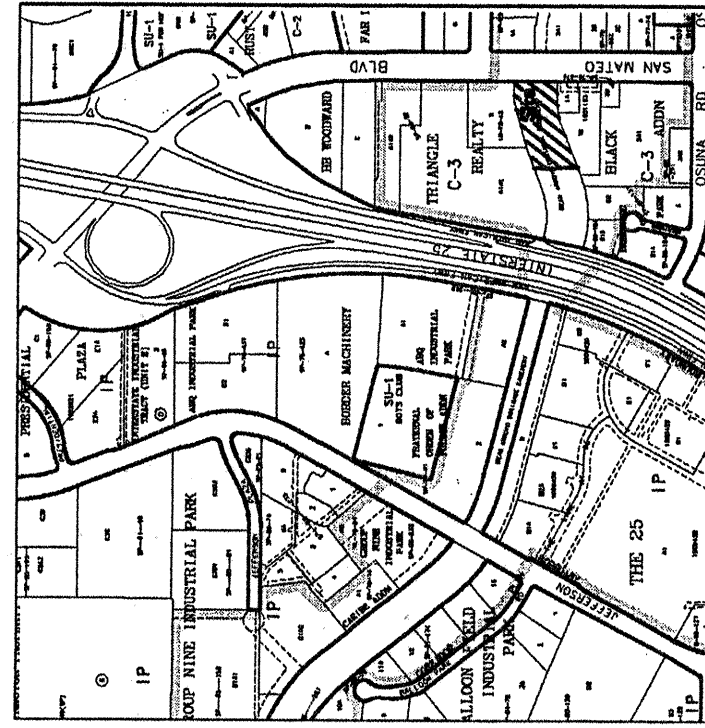
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE DESIGN ENGINEER.
 - ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

DRB CASE NUMBER 1002002

ADVANCED ENGINEERING and CONSULTING, LLC

4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
DRC Chairman		Transportation		[Signature]		3-2-05	
Water/Wastewater		Hydrology		[Signature]		4/13/04	
C.I.P.		Constr. Coord.		[Signature]		3/31/04	
CITY PROJECT NO.		723681		SHEET		1 OF 11	



Zone Atlas Page Number E-17
Talos Log Number 2005 530112

Subdivision Data

1. Total gross acreage: 2.3134 acres
2. Zoning: C-3
3. Total number of lots created by this plat is 1.
4. Bearings are based on the New Mexico State Plane Grid, Central Zone and distances are ground distances.
5. The purpose of this plat is to consolidate Lots 2 and 3 into 1 lot and grant additional utility easements.
6. Record bearings and distances are identical to measured bearings and distances.
7. Unless otherwise indicated all corners are set 1/2" rebar w/cap LS 6126.
8. Date of field survey: 12/13/05
9. This plat is a consolidation of Lots 2 and 3 into 1 lot.
10. The 50.00' access easement shown hereon is for the benefit of Lots 1 & 3-A. Maintenance is the responsibility of Lot 3-A.

PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

1. The Public Service Co. of NM- Electric Services Division for the installation, maintenance, and service of overhead and underground electric lines, transformers, and related facilities, structures and related facilities reasonably necessary to provide electrical service.
2. The Public Service Co. of NM-Gas Services Division for the installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas services.
3. Quest for the installation, maintenance and service of oil buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and easements.
4. Comcast Cable for the installation, maintenance and service of such lines, cable and related equipment and facilities reasonably necessary to provide Cable TV service. Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient easements for the installation, maintenance and service of such lines, cable and related equipment and facilities reasonably necessary to provide such services.
5. No building, sign, pool (aboveground or subterranean), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or other structure be constructed on said easements, or any other structure or any structures adjacent to, within, or near easements shown on this plat.

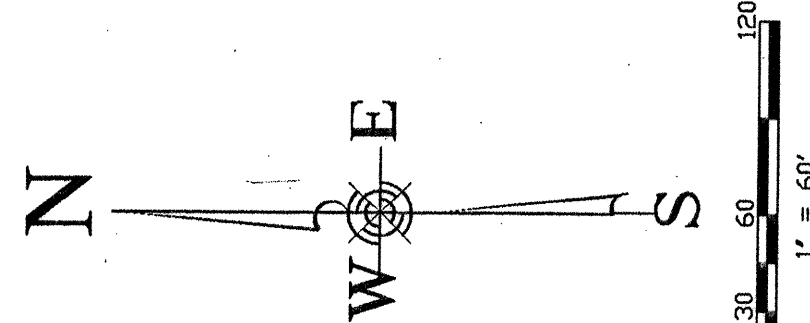
For 10-06
DATE 1-10-06
P.M. ELECTRIC SERVICES

For 10-06
DATE 1-10-06
P.M. GAS SERVICES

For 10-06
DATE 1-10-06
QUEST COMMUNICATIONS

For 10-06
DATE 1-10-06
COMCAST

Easements for electric transformers/switchgears, as installed, shall extend ten feet (10') in front of transformer/switchgear doors and five feet (5') on each side.



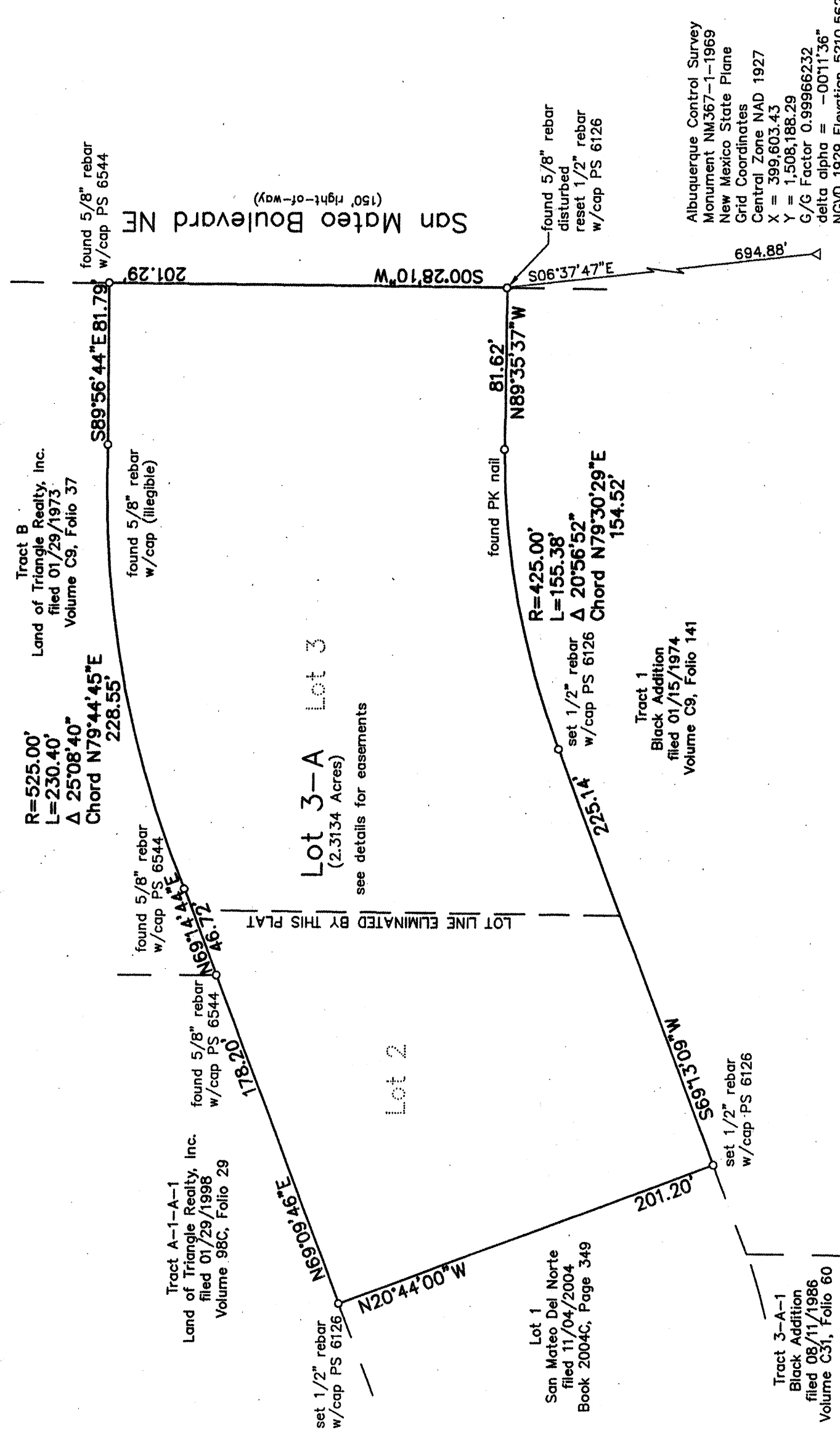
Plat of Lot 3-A San Mateo Del Norte

Being a Replat of
Lot 2 & Lot 3

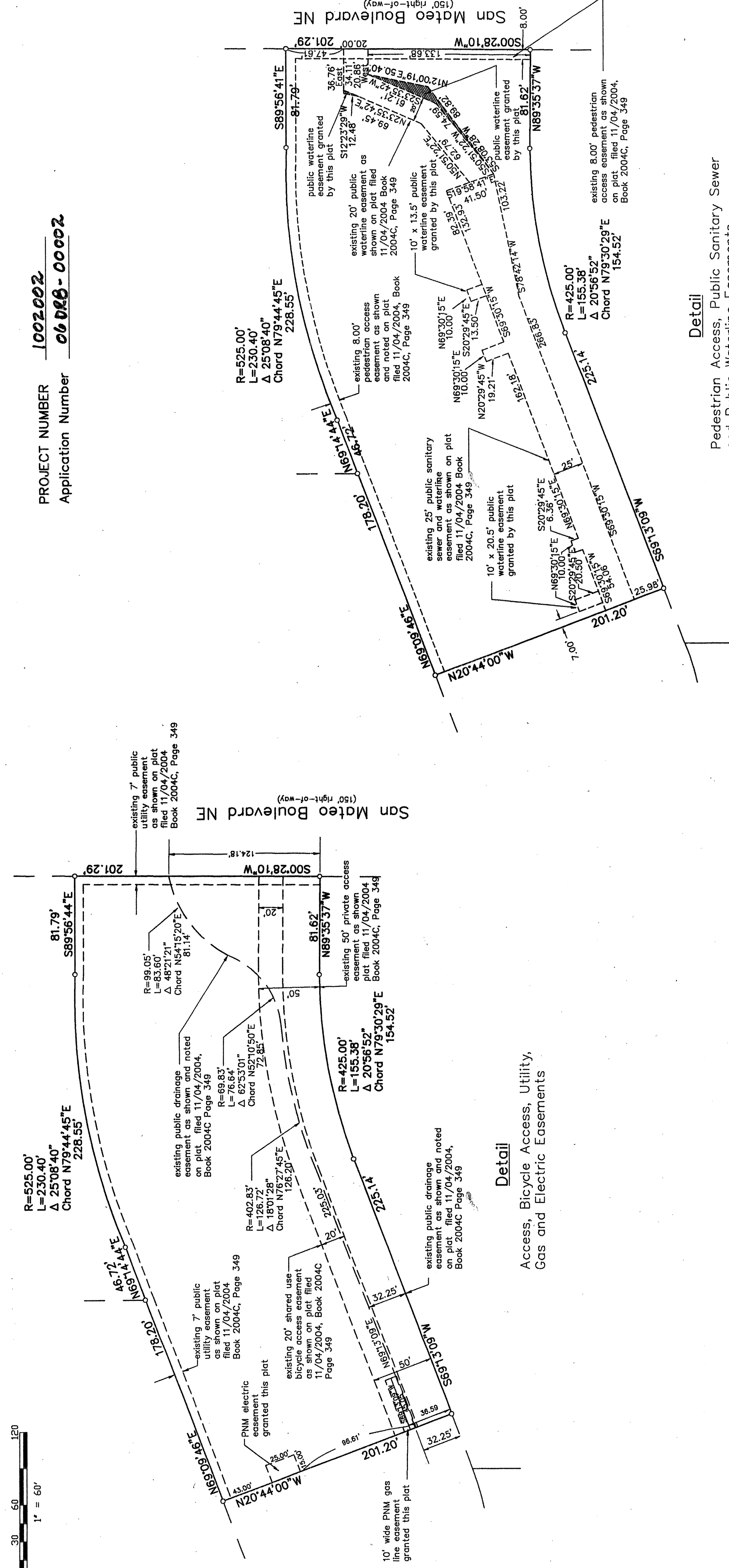
San Mateo Del Norte
Within

the Elena Gallegos Grant
Projected Section 26, T.11N., R.3E., N.M.P.M.
Albuquerque, Bernalillo County, New Mexico
December 2005

PROJECT NUMBER 1002002
Application Number 06 DRB-00002

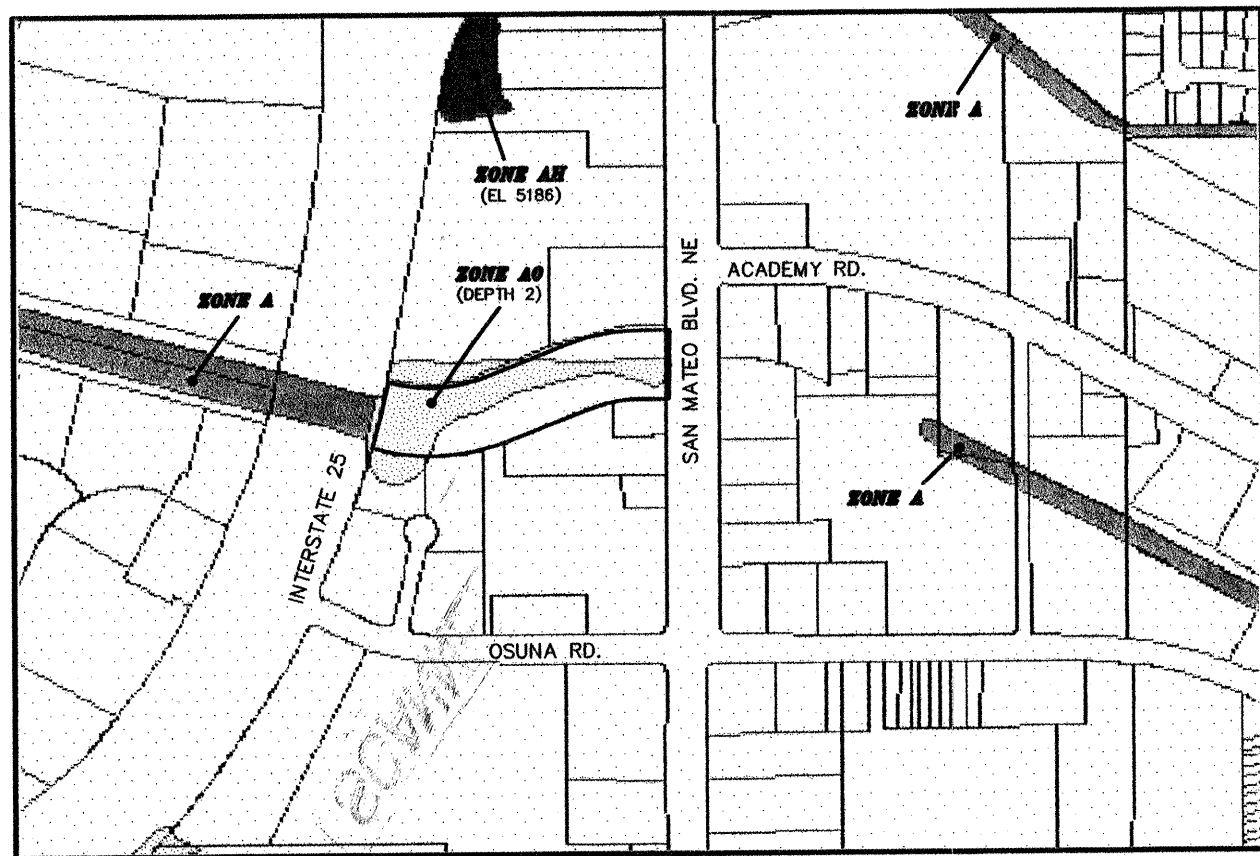


2006005579
6393527
Page: 3 of 3
01/12/2006 08:45A
B1-2006C Pg-11
Berm. Co. PLAT R 17 89
Maru Herrera



Sheet 3 of 3

NEW PLAT



FIRM MAP: 35001C0139 D

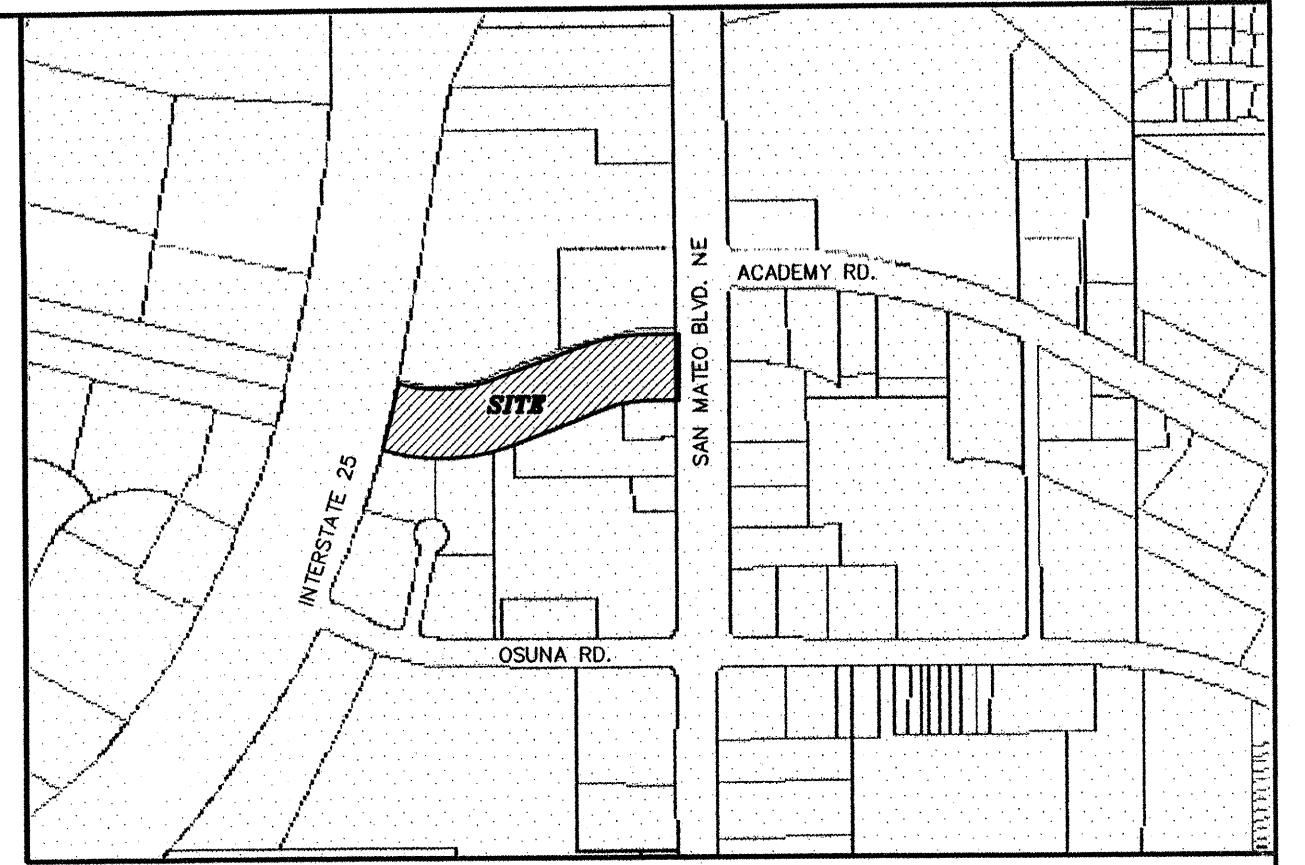
SCANNED BY PLN

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
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 INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
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 CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. ALL THE DISTURBED AREAS MUST BE REVEGETATED.



VICINITY MAP: E-17-Z

LEGAL DESCRIPTION:

LOTS 1 THRU 3, SAN MATEO DEL NORTE

PROPOSED 4 CULVERTS
5' HIGH (WIDTH VARIES)

EXISTING 2-15X5 CULVERTS

EXISTING 4-10X4 CULVERTS

APPROXIMATE LOCATION
OF THE TRANSITION
FROM 2-15X5 TO 4-10X4
CULVERTS

SAN MATEO BLVD. NE

180' TRANSITION FROM
4-10X4 TO 2-15X5
CULVERTS

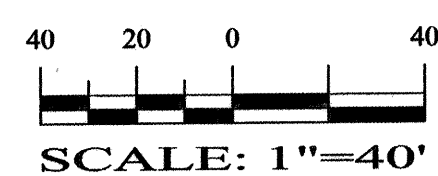
BENCH MARK INFORMATION

ACS MONUMENT "1-E18A-1978"
NM STATE PLANE COORDINATES
CENTRAL ZONE
GEOMETRIC POSITION (NAD 1927)
X = 400,558.60
Y = 1,509,126.55
SPIRIT LEVEL ELEVATION (SLD 1929)
EL = 5,222.411
G-G = 0.99966154
DELTA ALPHA = -0°11'29"

LEGEND

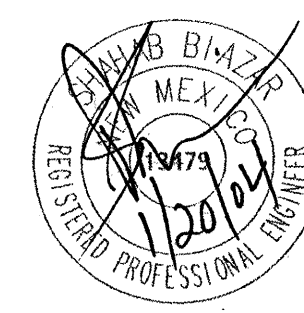
- EXISTING SAS MANHOLE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EXISTING AIR RELEASE VALVE
- EXISTING REDUCER
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- BOUNDARY LINE
- EASEMENT

GRAPHIC SCALE

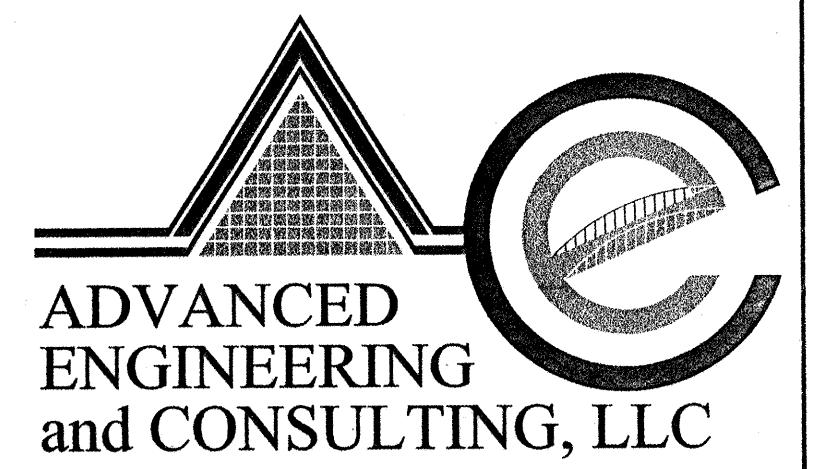


ROUGH GRADING APPROVAL _____ DATE _____

LAST REVISION: 01-20-2004



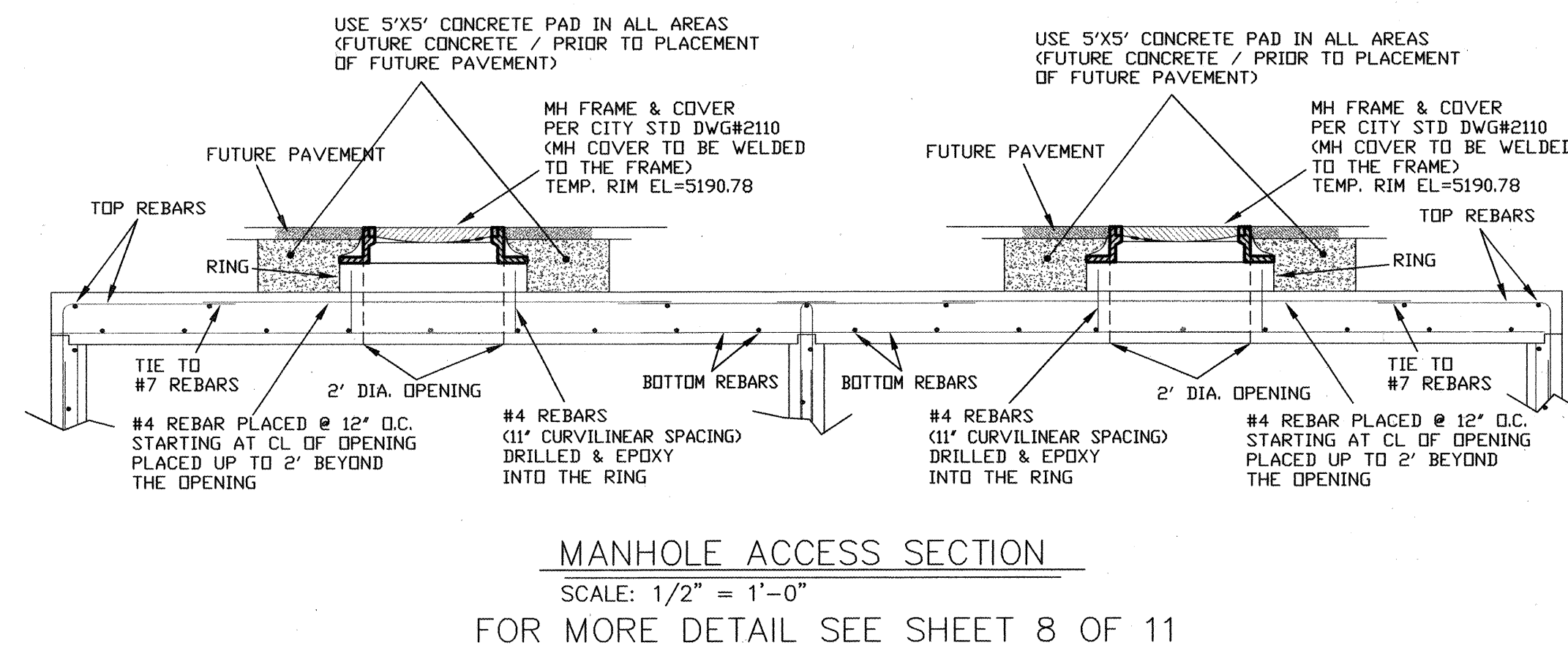
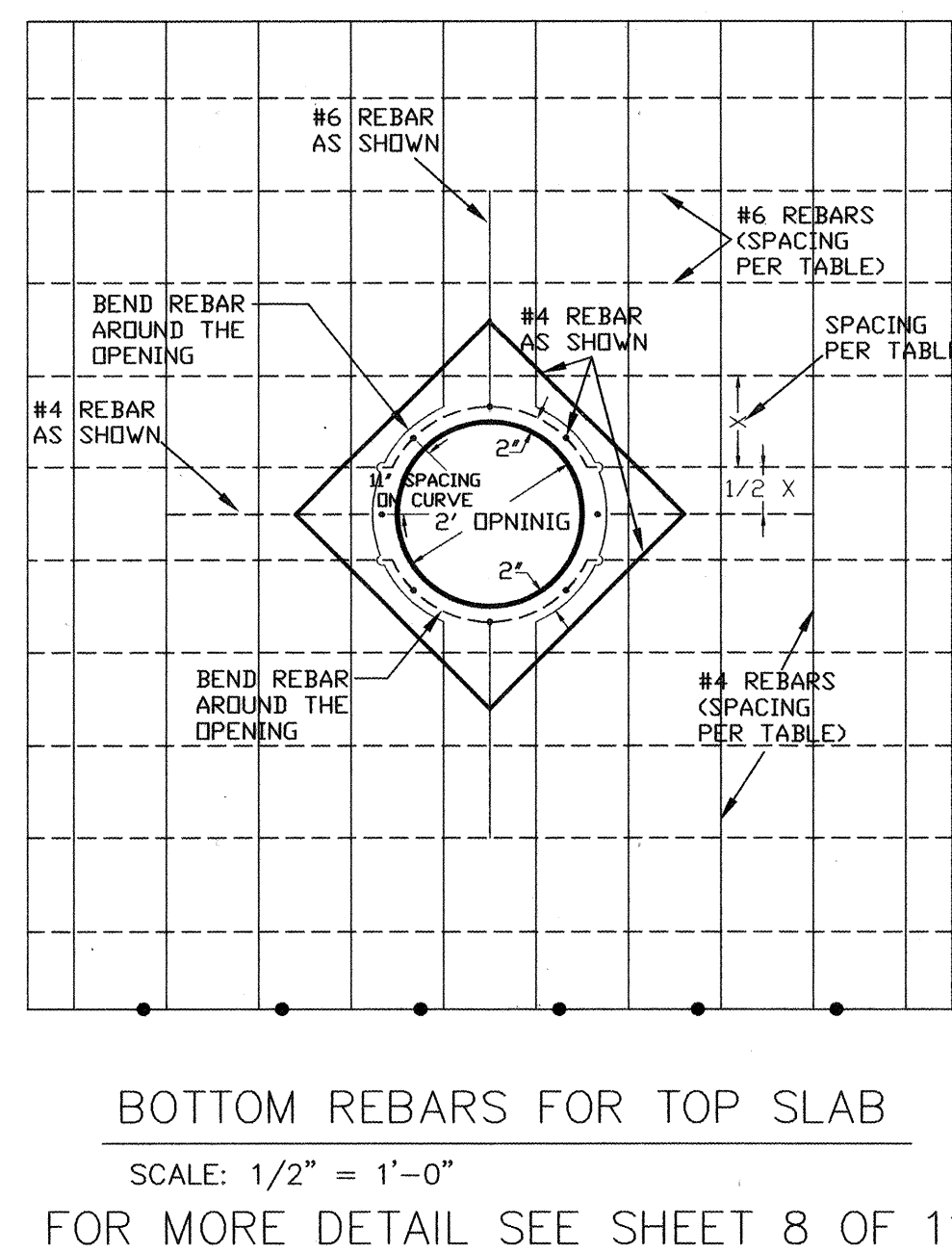
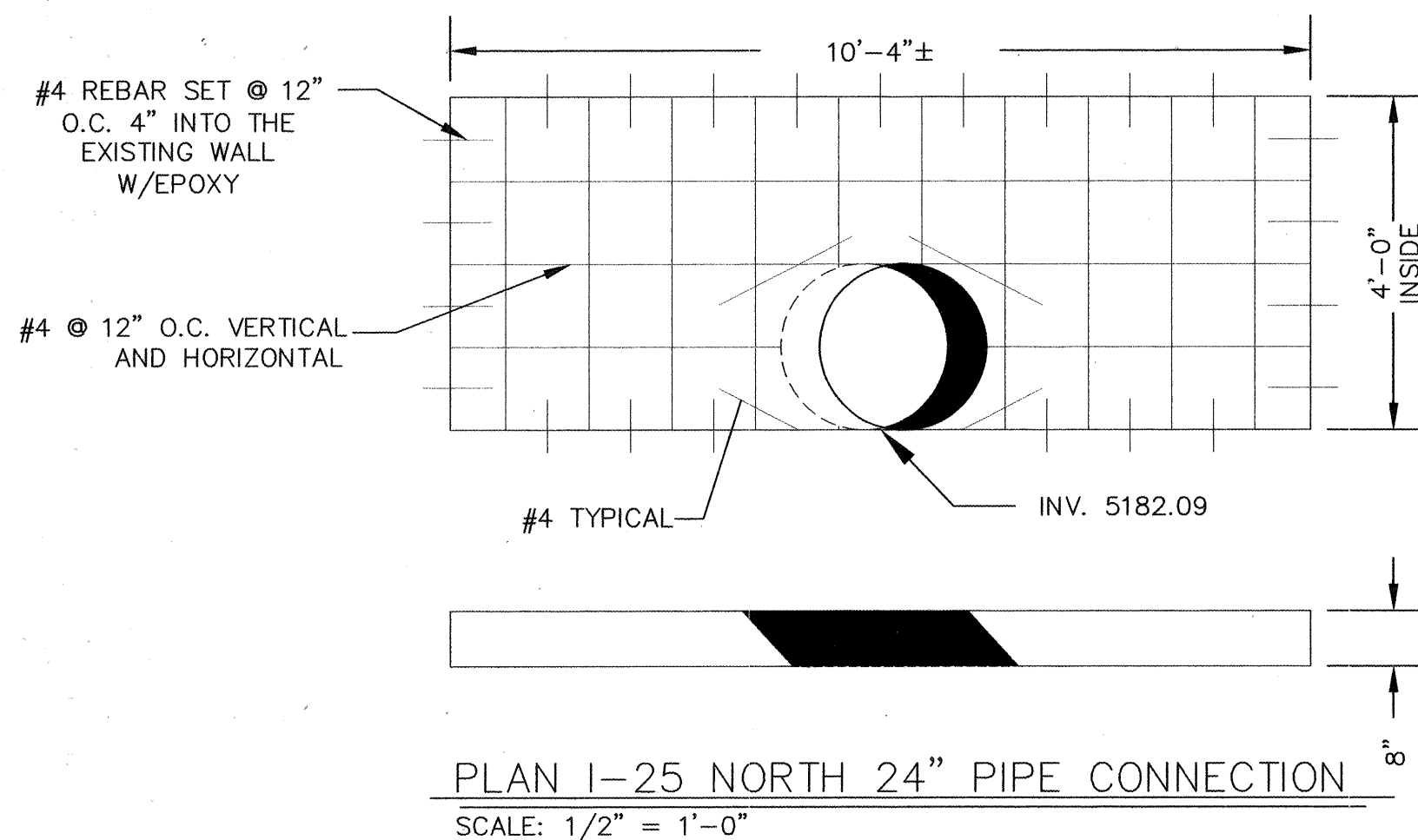
SHAHAB BIAZAR
P.E. #13479



10205 SNOWFLAKE CT., NW
ALBUQUERQUE, NEW MEXICO 87114
(505) 899-5570

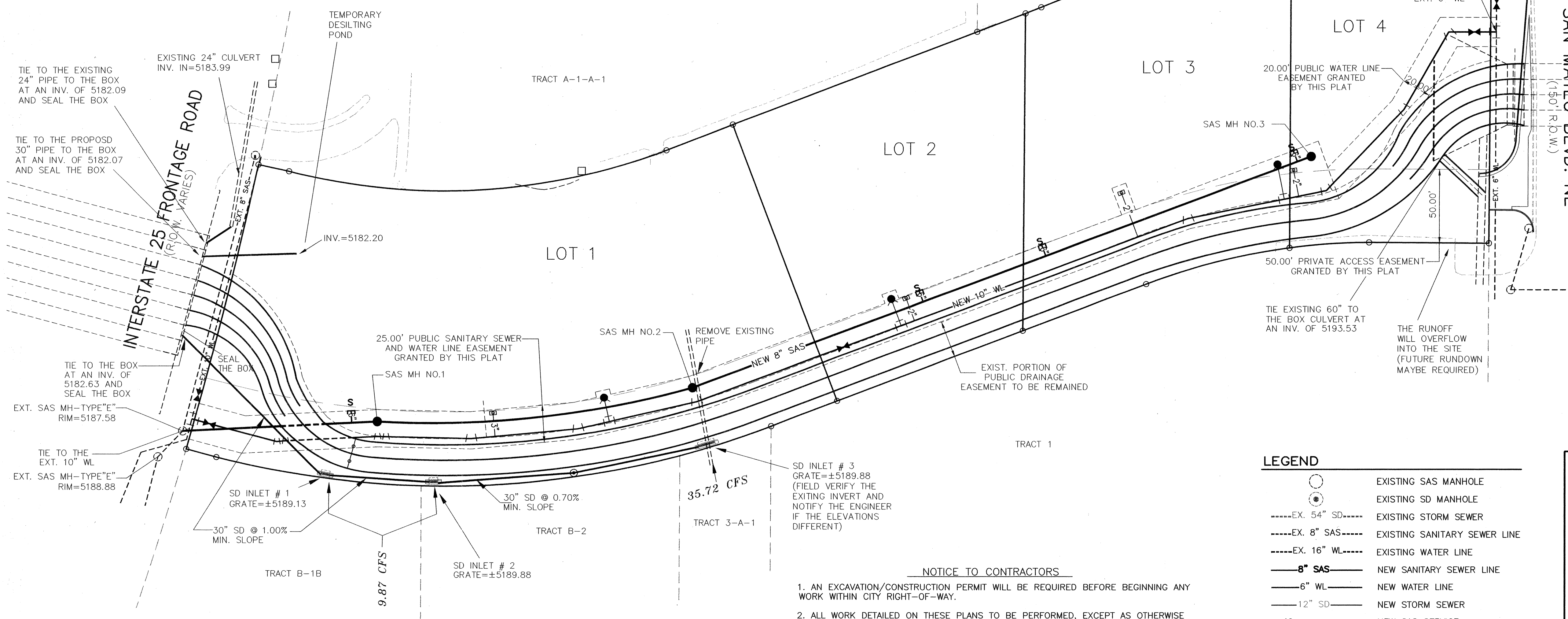
CULVERT BOX EXTENSION BEAR CANYON ARROYO GRADING AND DRAINAGE PLAN			
DRAWING:	DRAWN BY:	DATE:	SHEET #
200244-GR.DWG	SBB	03-16-2002	3 OF 11

723681



LEGAL DESCRIPTION:

LOTS 1 THRU 4, WITHIN ELENA GALLEGOS GRANT,
IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO.

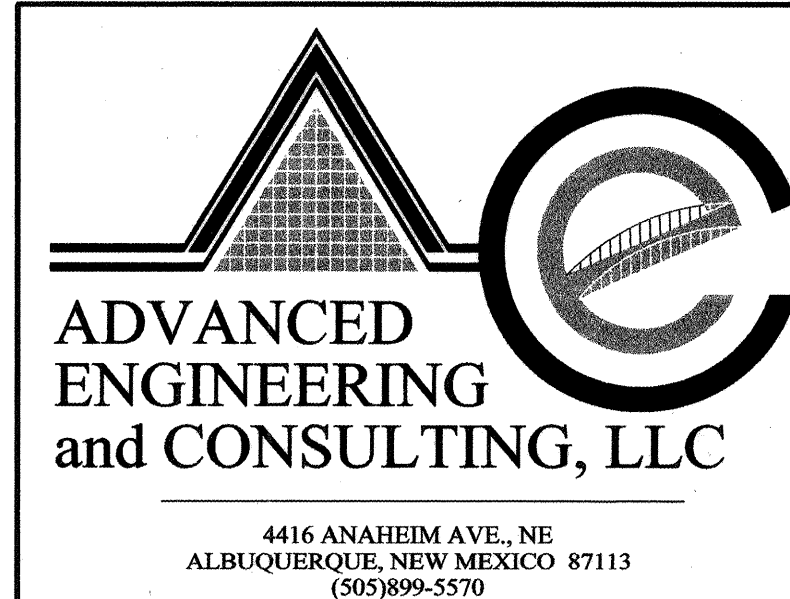
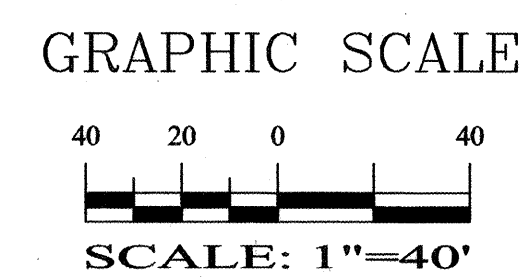


LEGEND

- EXISTING SAS MANHOLE
- EXISTING SD MANHOLE
- EX. 54" SD---
- EX. 8" SAS---
- EX. 16" WL---
- 8" SAS---
- 6" WL---
- 12" SD---
- NEW SAS SERVICE
- NEW SAS MANHOLE
- STORM SEWER MANHOLE
- SINGLE SERVICE METER
- DOUBLE SERVICE METER
- NEW GATE VALVE
- NEW FIRE HYDRANT
- TEE
- CAP (WL)
- NEW CATCH BASIN

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
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 INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
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 CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
8. EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: SAN MATEO DEL NORTE (BEAR ARROYO) MASTER UTILITY PLAN			
DESIGN REVIEW COMMITTEE APPROVED MAR 2 1 2005 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED MAR 2 1 2005 CITY ENGINEER	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 723681	ZONE MAP NO. E-17-Z	SHEET 4	OF 11

CONTRACTOR'S INFORMATION		BENCH MARKS	
CONTRACTOR: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	AC: NM367-1	DATE: 03-01-2005
INSPECTOR: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	OSUNA RD. & SAN MATEO BLVD.,	DATE: 03-01-2005
FIELD ENGINEER: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	NM STATE PLANE COORDINATES	DATE: 03-01-2005
VERIFICATION BY: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	X = 399,603.43	DATE: 03-01-2005
CORRECTION BY: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	Y = 1,508,188.29	DATE: 03-01-2005
MICRO-FILM INFORMATION		G-G = 0.9996232	DATE: 03-01-2005
RECORDED BY: Advanced Engineering and Consulting, LLC	DATE: 03-01-2005	Da = -0711'36"	DATE: 03-01-2005
		ELEV = 5210.562	DATE: 03-01-2005
		NGVD 1929	DATE: 03-01-2005

ENGINEER'S SEAL		REVISIONS	
		NO.	DATE
BY	DATE	REMARKS	DESIGN
DESIGNED BY: SB	DATE: 01-04		
DRAWN BY: SB	DATE: 01-04		
CHECKED BY: SB	DATE: 01-04		

SCANNED
BY *plw*

PROPERTY CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD DIRECTION
C1	155.38	425.00	20°56'52"	78.57	154.52	S79°30'29"W
C2	384.65	625.00	35°15'43"	198.63	378.61	S86°48'21"W

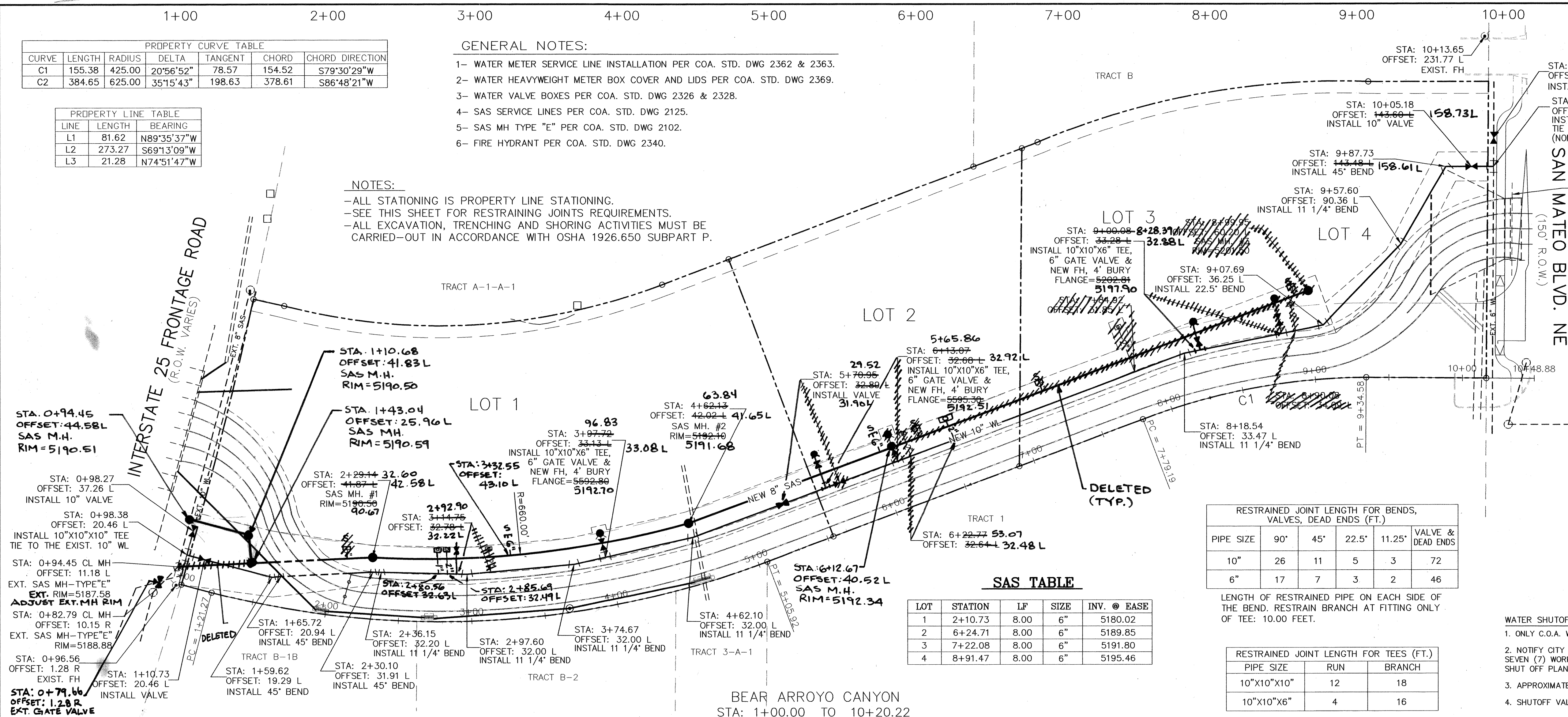
PROPERTY LINE TABLE		
LINE	LENGTH	BEARING
L1	81.62	N89°35'37"W
L2	273.27	S69°13'09"W
L3	21.28	N74°51'47"W

GENERAL NOTES:

- 1- WATER METER SERVICE LINE INSTALLATION PER COA. STD. DWG 2362 & 2363.
- 2- WATER HEAVYWEIGHT METER BOX COVER AND LIDS PER COA. STD. DWG 2369.
- 3- WATER VALVE BOXES PER COA. STD. DWG 2326 & 2328.
- 4- SAS SERVICE LINES PER COA. STD. DWG 2125.
- 5- SAS MH TYPE "E" PER COA. STD. DWG 2102.
- 6- FIRE HYDRANT PER COA. STD. DWG 2340.

NOTES:

- ALL STATIONING IS PROPERTY LINE STATIONING.
- SEE THIS SHEET FOR RESTRAINING JOINTS REQUIREMENTS.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 1926.650 SUBPART P.



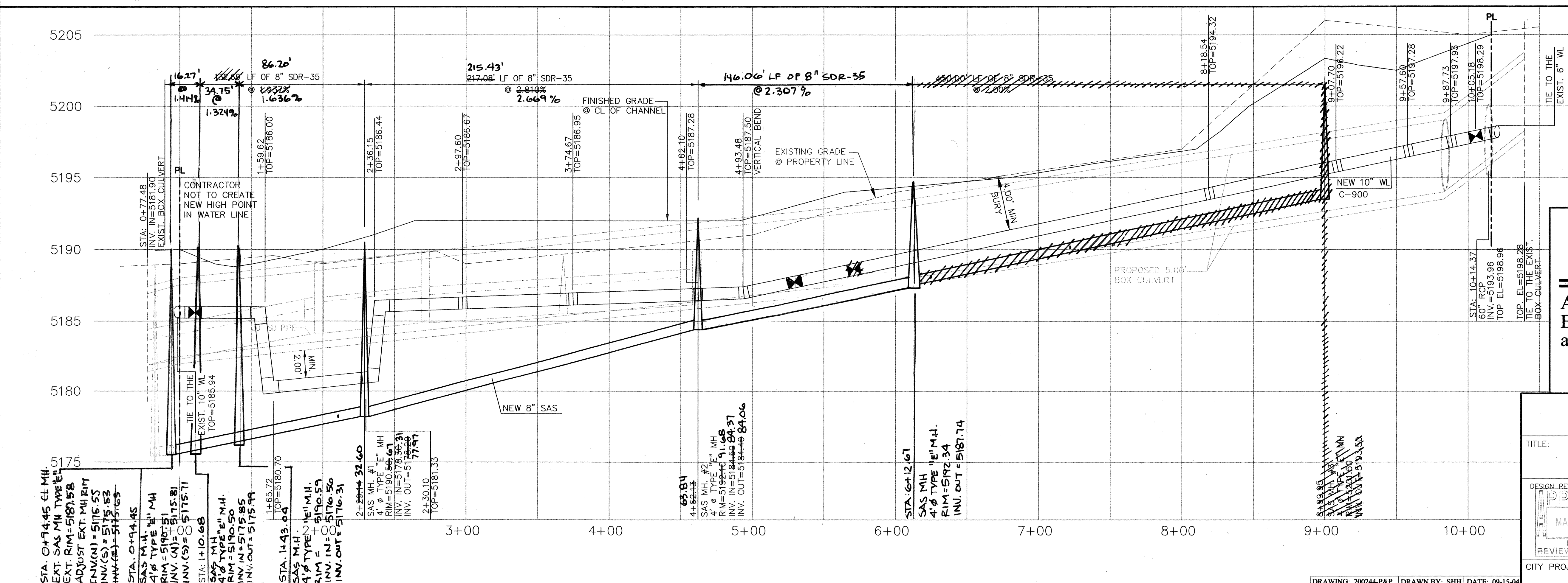
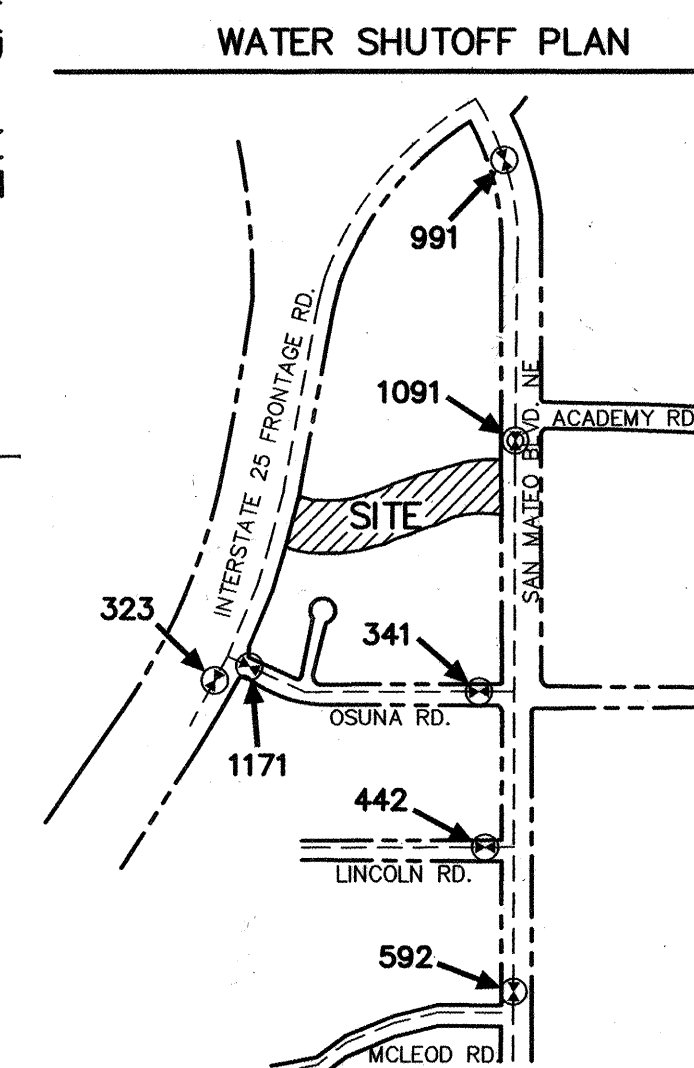
RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE DEAD END
10"	26	11	5	3	72
6"	17	7	3	2	46

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x10"	12	18
10"x10"x6"	4	16

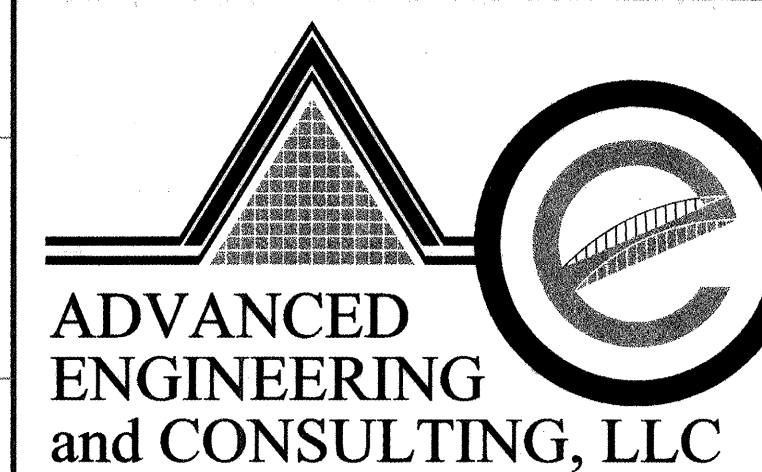
WATER SHUTOFF NOTES:

1. ONLY C.O.A. WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF VALVES INDICATED ON THE PLAN ABOVE (→).



SCALE: HORIZ. 1"=40'
VERT. 1"= 4'

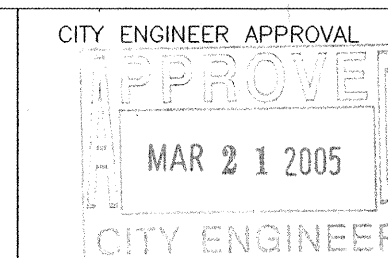
ELEVATIONS ARE NGVD 29



4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SAN MATEO DEL NORTE (BEAR ARROYO)**
UTILITY IMPROVEMENTS



CITY PROJECT NO. _____

723681

ZONE MAP NC

F-17-

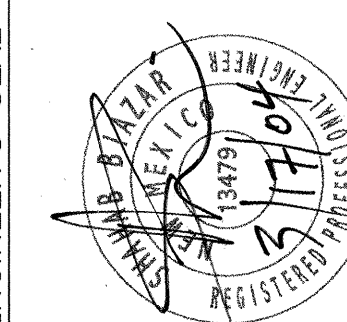
SHEET	OF
-------	----

SHEET 5 OF 11

DRAWING: 200244-P&P	DRAWN BY: SHH	DATE: 09-15-04
---------------------	---------------	----------------

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	WORK
	ACS "NM367"-1, LOCATED AT THE MEDIAN OF SAN MATEO BLVD. NE JUST NORTH OF OSUNA, 4 FEET NORTH OF OSUNA RD. & SAN MATEO BLVD., CENTRAL STATION DATA			WORKED BY: ADVANCED SURVEYING	DATE: 3-20-2009
	NM STATE PLANE COORDINATES			INSPECTOR'S ACCEPTANCE BY: ADVANCED SURVEYING	DATE: 4-6-2009
	X = 399,603.43			VERIFICATION BY: ADVANCED SURVEYING	DATE: 3-20-2009
	Y = 1,508,188.29 - NAD 1927			CORRECTED BY: ADVANCED SURVEYING	DATE: 1-20-2010
	G-G = 0.99966232			MICRO-FILM INFORMATION	
	Da = -0°11'36"			RECORDED BY	DATE
	ELEV=5210.56 - NGVD 1929			NO.	

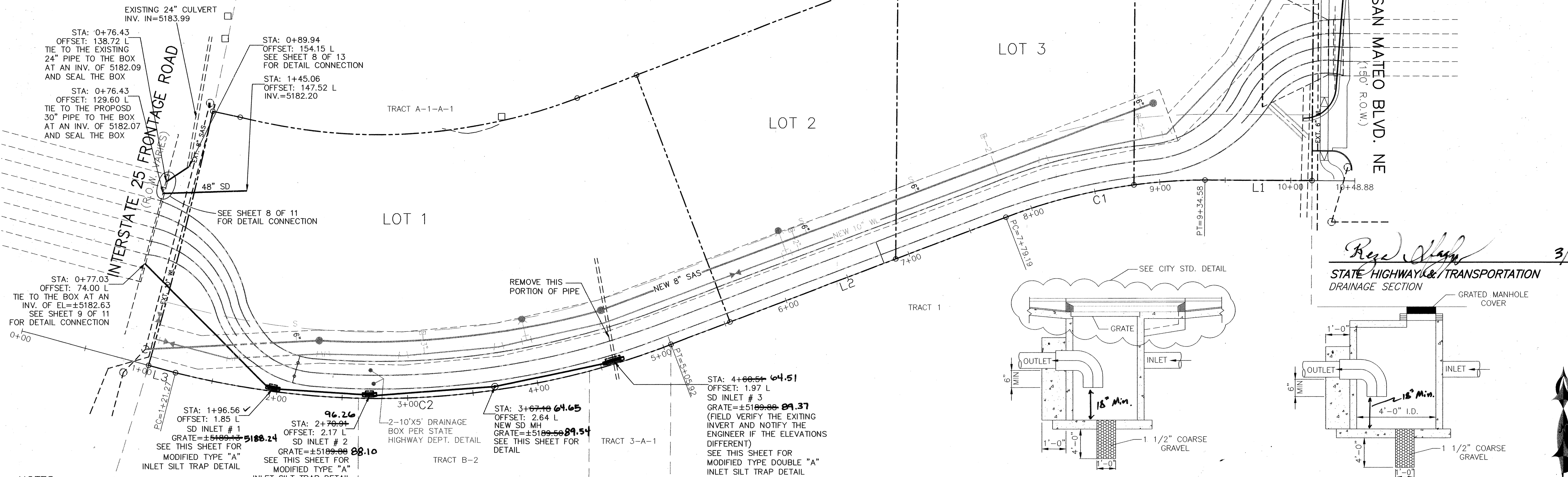
100



NO.		DATE		REMARKS		BY
<i>REVISIONS</i>						
DESIGN						
DESIGNED BY		SB		DATE		01-04
DRAWN BY		SB		DATE		01-04
CHECKED BY		SB		DATE		01-04

PROPERTY CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD
C1	155.38	425.00	20°56'52"	78.57	154.52
C2	384.65	625.00	35°15'43"	198.63	378.61

PROPERTY LINE TABLE		
LINE	LENGTH	BEARING
L1	81.62	N89°35'37"W
L2	273.27	S69°13'09"W
L3	21.28	N74°51'47"W



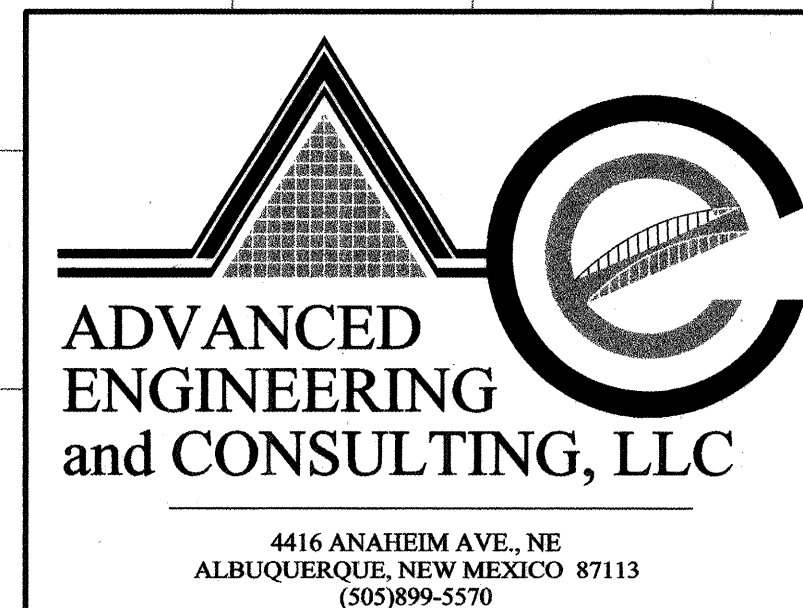
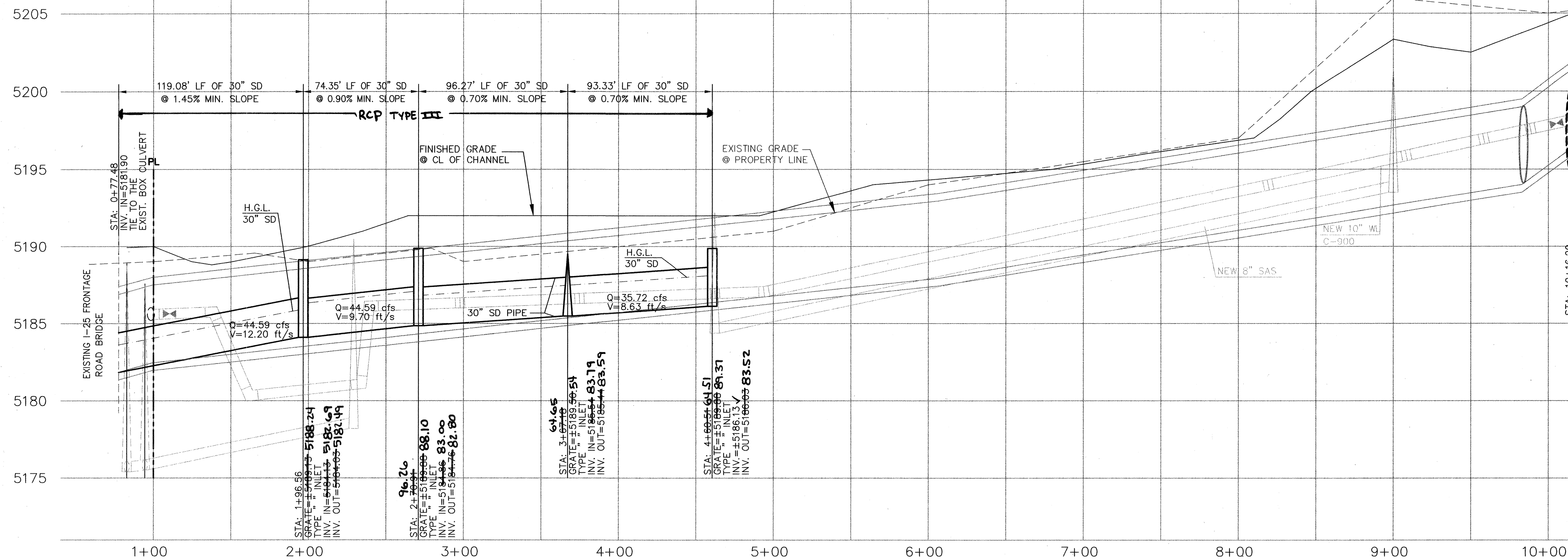
NOTES:
ALL STATIONING IS PROPERTY LINE STATIONING.
SEE CONSTRUCTION PLAN FOR DIFFERENT INLETS.

BEAR ARROYO CANYON
STA: 1+00.00 TO 10+20.22

MODIFIED INLET SILT TRAP FOR
SINGLE "A" & DOUBLE "A"
N.T.S.

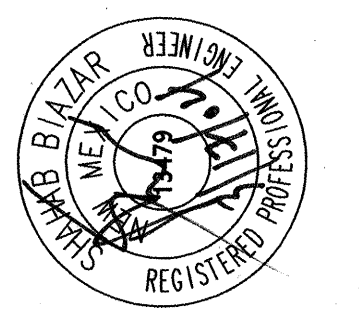
TYPE "C" MANHOLE SILT TRAP
N.T.S.

SCALE: HORIZ. 1"=40'
VERT. 1"= 4'

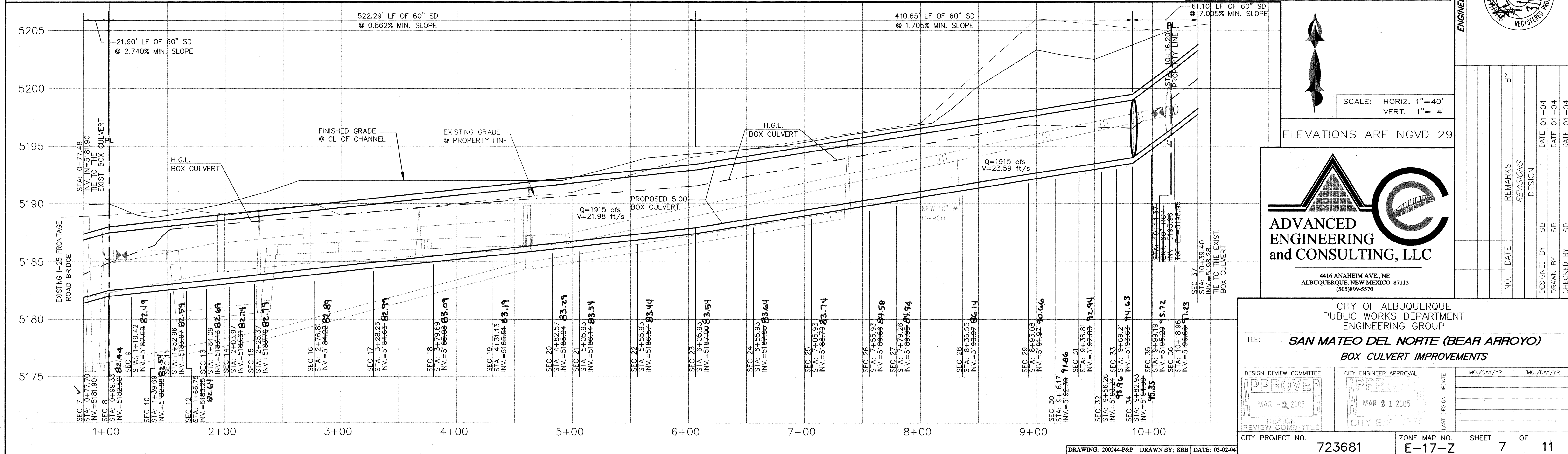
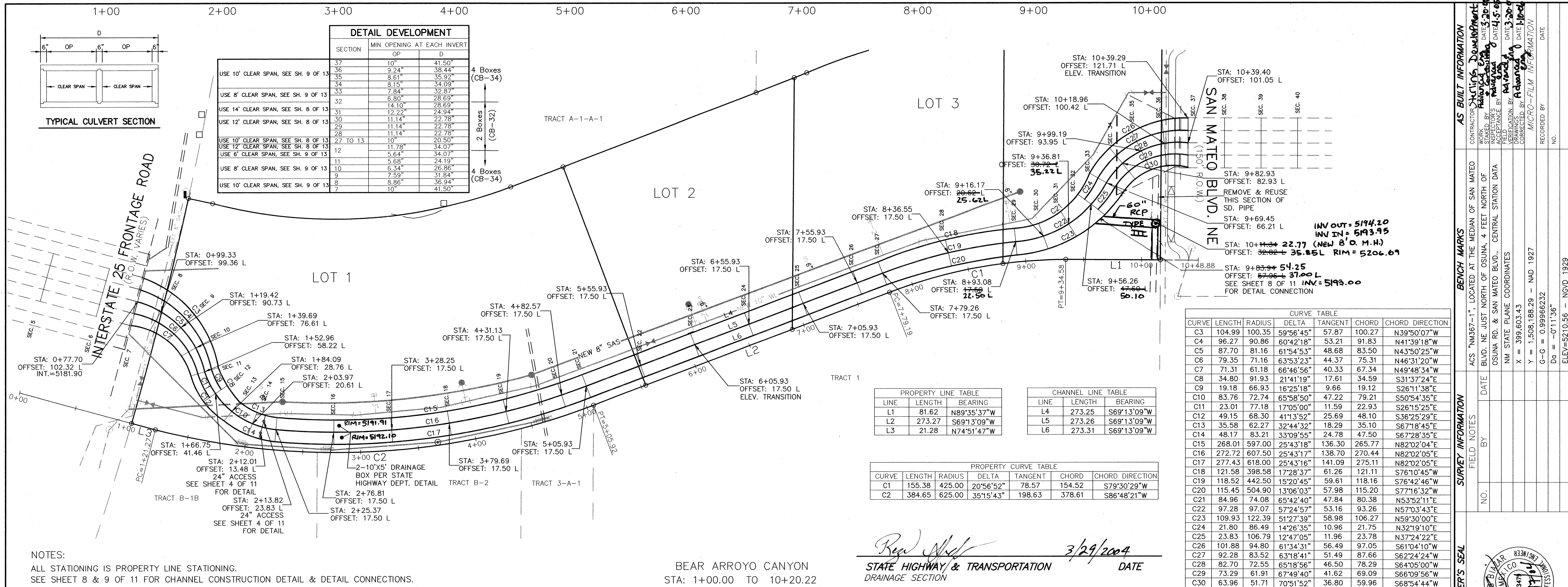


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: SAN MATEO DEL NORTE (BEAR ARROYO) STORM SEWER IMPROVEMENTS	
DESIGN REVIEW COMMITTEE APPROVED MAR 2 2005 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED MAR 2 1 2005 CITY ENGINEER
CITY PROJECT NO. 723681	ZONE MAP NO. E-17-Z
DESIGNED BY SB	CHECKED BY SB
DRAWN BY SB	DATE 01-04
DATE 01-04	DATE 01-04
DATE 01-04	DATE 01-04

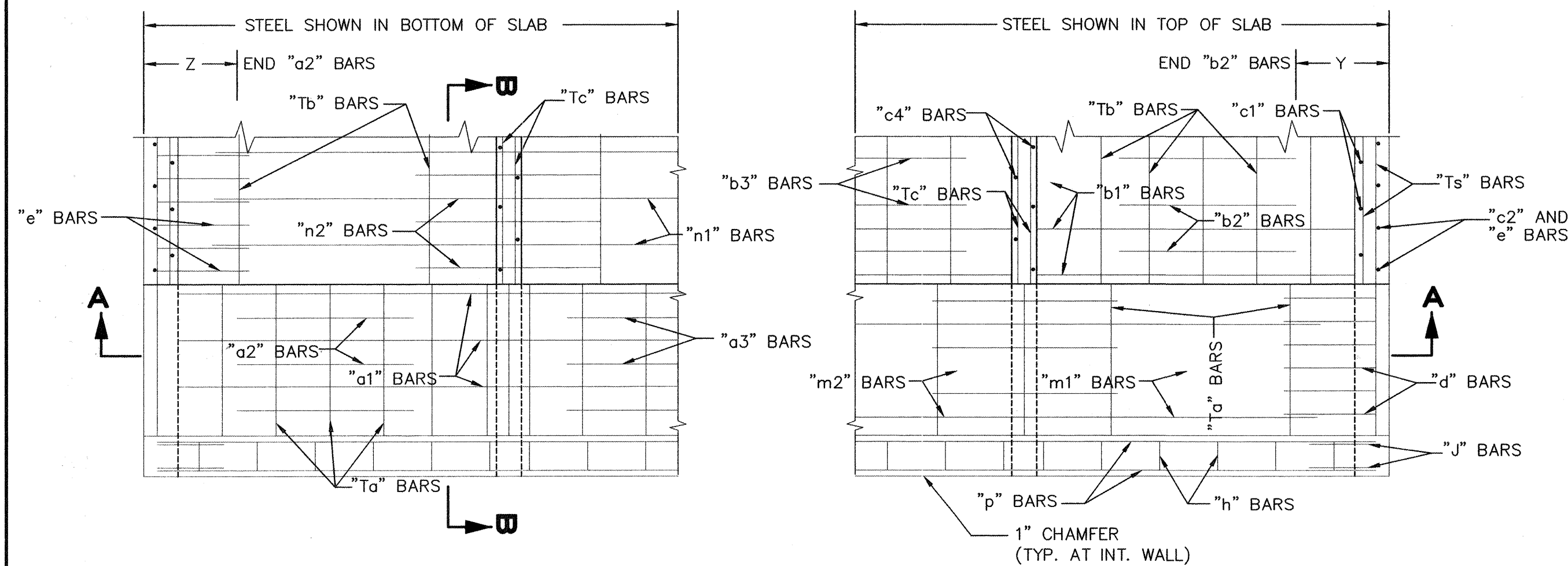
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE



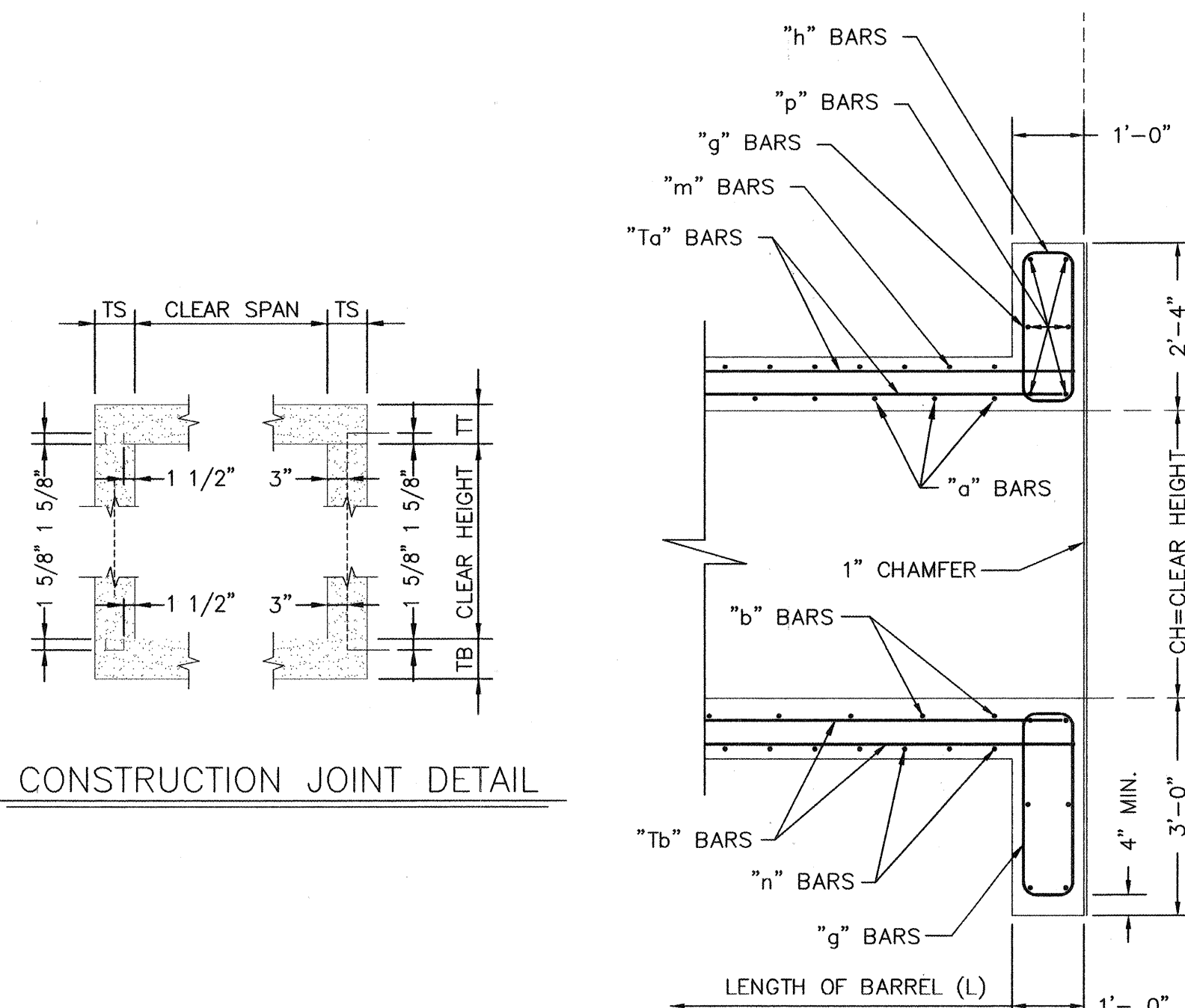
SCANNED BY PLAN



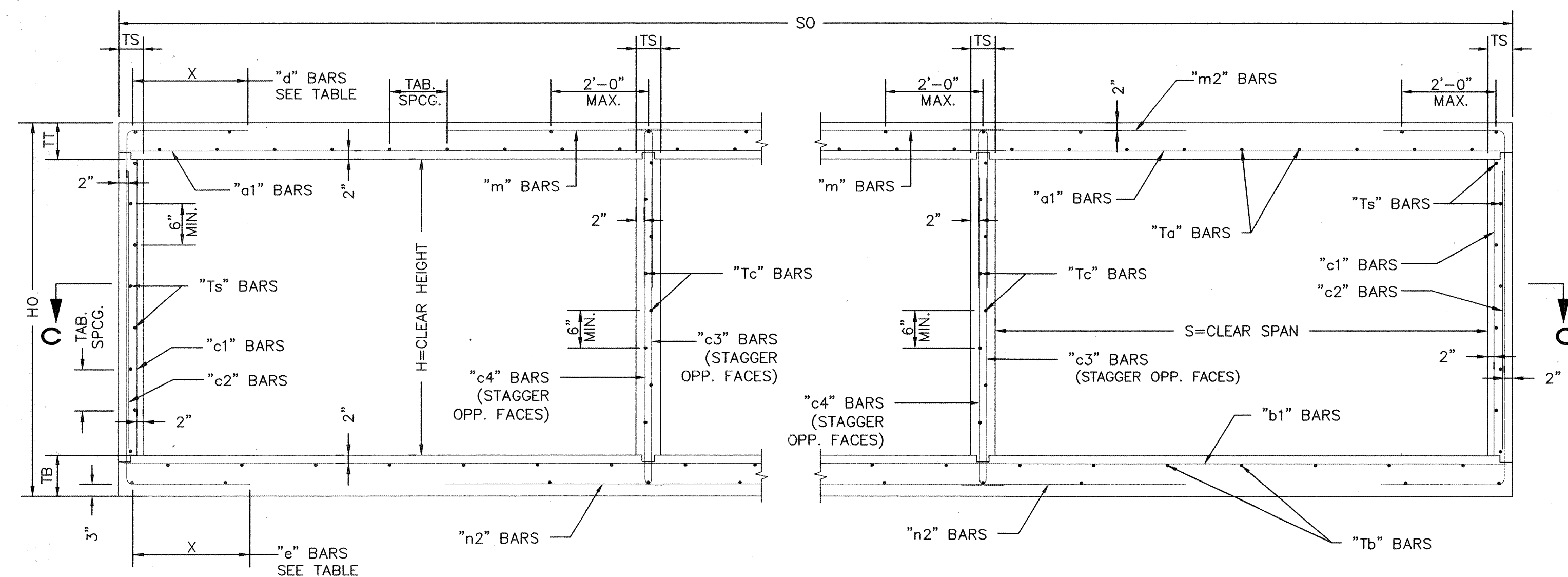
CLEAR SPAN	CLEAR HEIGHT	DIMENSIONS							QUANTITIES				REINFORCING BARS																																																		
									PER L.F. OF BARREL		AT ONE END *		"a" BARS				"b" BARS				"c" BARS				"m" BARS				"n" BARS				"d"				"e"				Ta		Tb		Tc		Ts		g.h.														
		TT	TS	TB	SO	HO	Y	Z	REIN. STEEL, POUNDS PER L.F.	CONCRETE CU. YD. PER L.F.	REIN. STEEL, POUNDS PER L.F.	CONCRETE CU. YD.	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SPACING	SIZE	LENGTH	SIZE	LENGTH	SPACING	SIZE	SPACING	SIZE	LENGTH	SPACING	SIZE	SPACING	SIZE	LENGTH	SPACING	SIZE	LENGTH	X	SPACING	SIZE	LENGTH	X	SPACING	NO.	SIZE	SPACING	NO.	SIZE	SPACING	NO.	SIZE	SPACING	NO.	SIZE	SPACING	NO. OF EA. AT 1' END	g.h.							
																																																									a1	a2	a3	b1	b2	b3	c1
6	5	7 1/2"	6"	7"	26'-6"	6'-2 1/2"	1'-0"	2"	278.8	1.649	648	5.70	#5	25'-0"	#6	5'-9"	#5	5'-6"	12"	#4	26'-3"	#4	5'-6"	---	NONE	12"	NONE	NONE	#4	4'-3"	3'-3"	9"	#4	25'-0"	#6	5'-3"	18"	#4	25'-0"	#6	7'-0"	13"	#6	5'-6"	1'-6"	15"	#5	4'-6"	1'-6"	15"	41	#4	16"	33	#4	18"	21	#4	18"	8	#4	16"	16
8	5	8"	6"	8 1/2"	34'-6"	6'-4 1/2"	1'-0"	2"	415.0	2.220	1048	7.28	#5	34'-3"	#7	7'-9"	#6	6'-3"	12"	#4	34'-3"	#4	6'-6"	---	NONE	10 1/2"	NONE	NONE	#5	5'-3"	3'-0"	10"	#4	34'-0"	#6	6'-9"	12"	#4	34'-0"	#6	6'-9"	10 1/2"	#4	34'-0"	1'-6"	10 1/2"	57	#4	14"	45	#4	16"	21	#4	18"	8	#4	16"	24				
10	5	9"	6 1/2"	9 1/2"	42'-8 1/2"	6'-6 1/2"	1'-3"	2"	506.5	2.940	1518	8.94	#6	40'-0"	#7	9'-6"	#6	7'-6"	12"	#4	42'-6"	#4	7'-0"	---	NONE	9"	NONE	NONE	#5	5'-0"	3'-3"	10 1/2"	#5	40'-6"	#6	7'-0"	10 1/2"	#5	40'-6"	#6	6'-0"	1'-6"	10"	#5	6'-0"	1'-6"	10"	61	#4	16"	57	#4	18"	21	#4	18"	8	#4	16"	24			



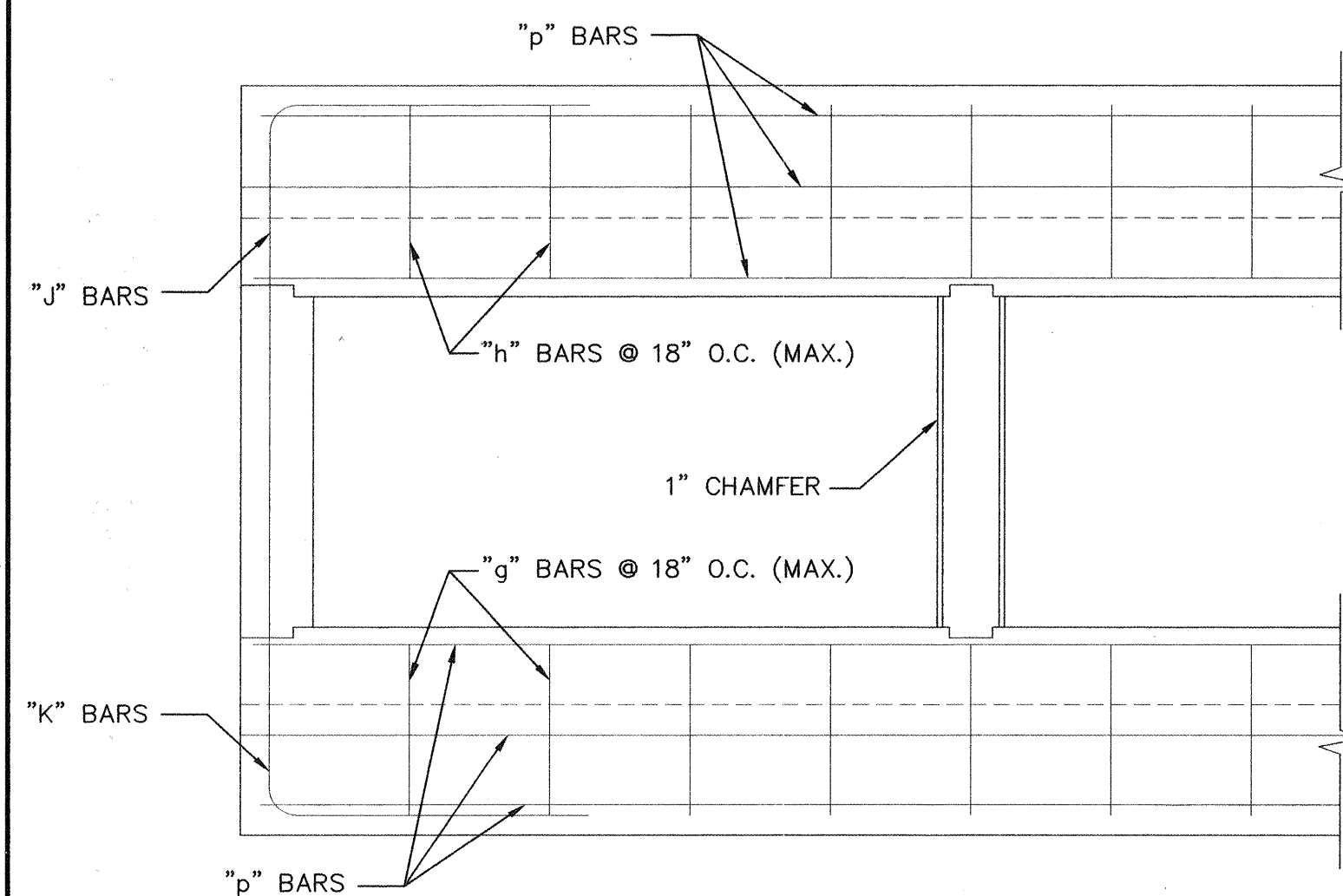
PART PLAN AND PART SECTION C-C



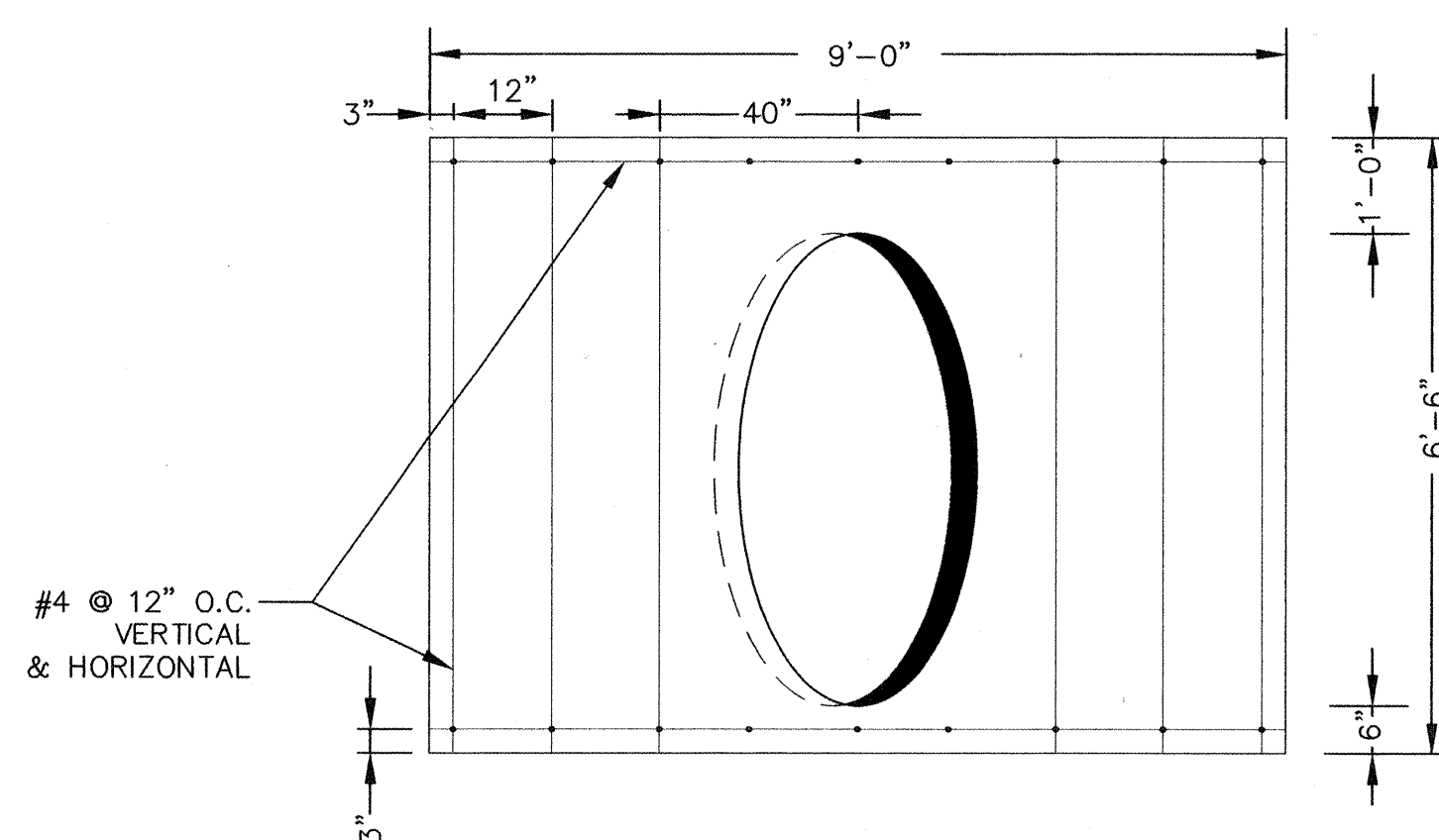
CONSTRUCTION JOINT DETAIL



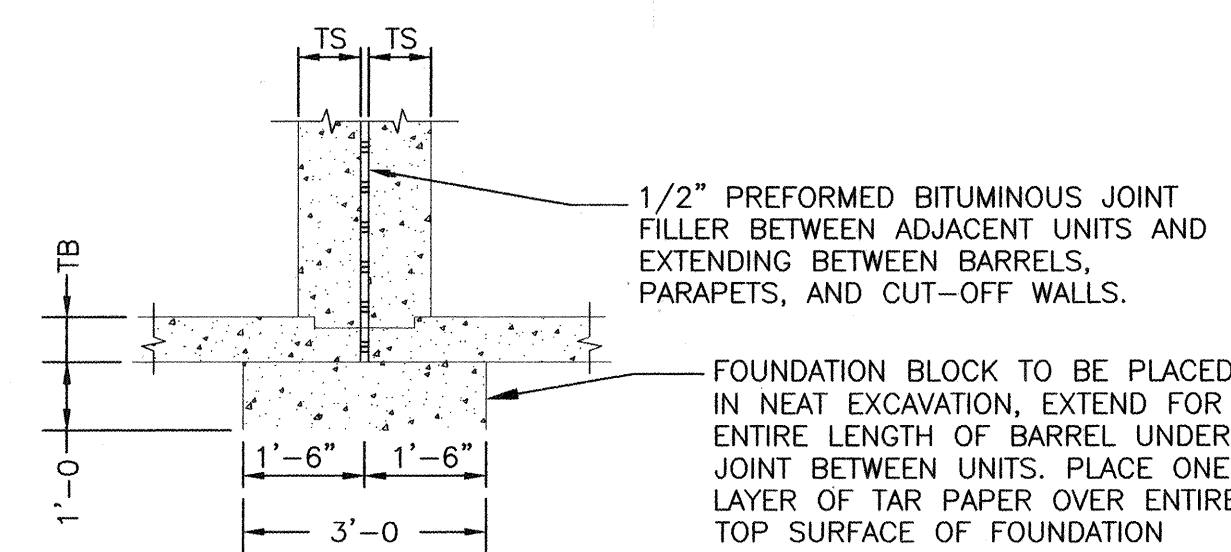
SECTION A-A



PART END ELEVATION

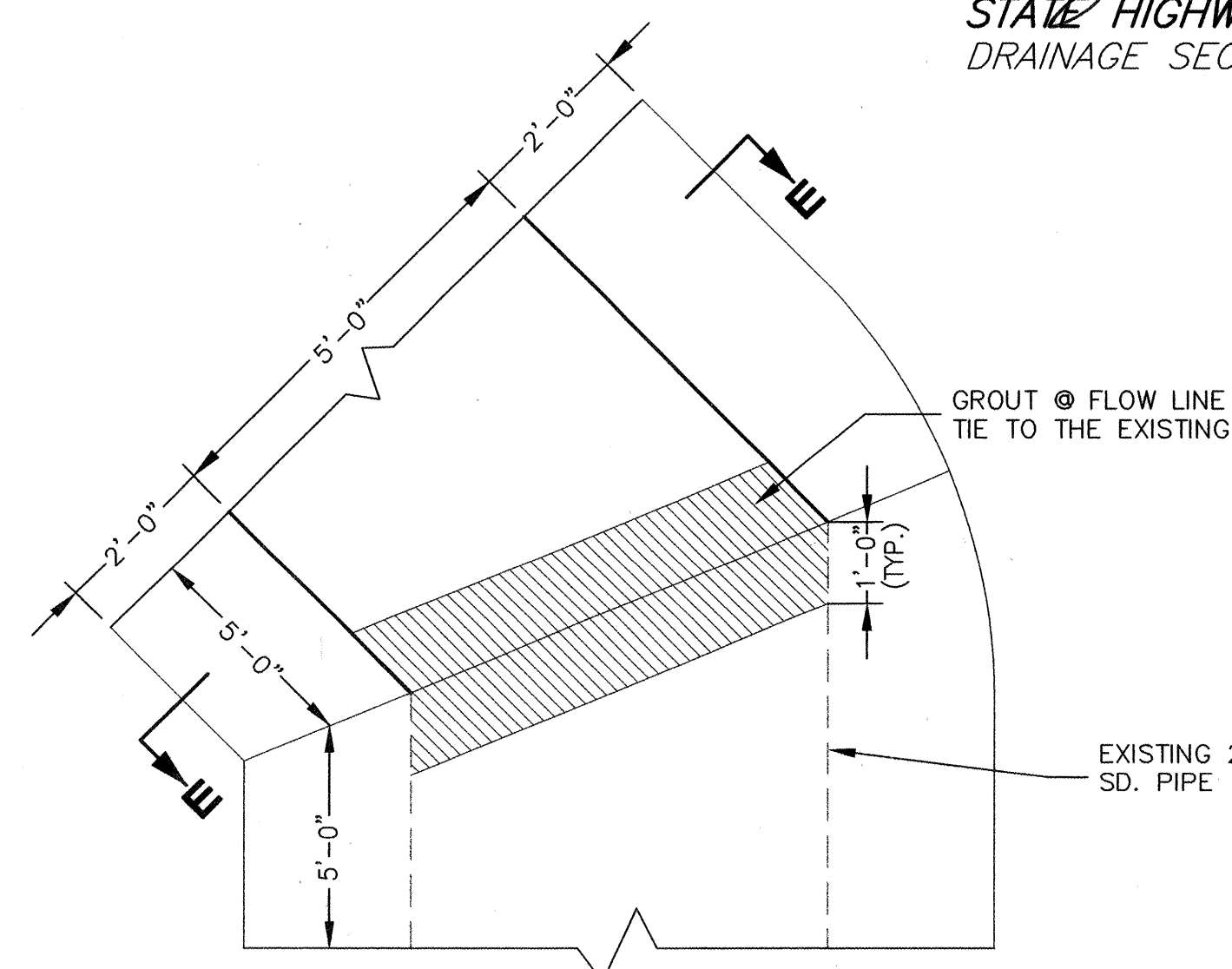


SECTION E-E (60" PIPE)



JOINT DETAIL FOR MULTIPLE UNIT BOXES

SERIAL CB-34 (SHEET 1 OF 5)



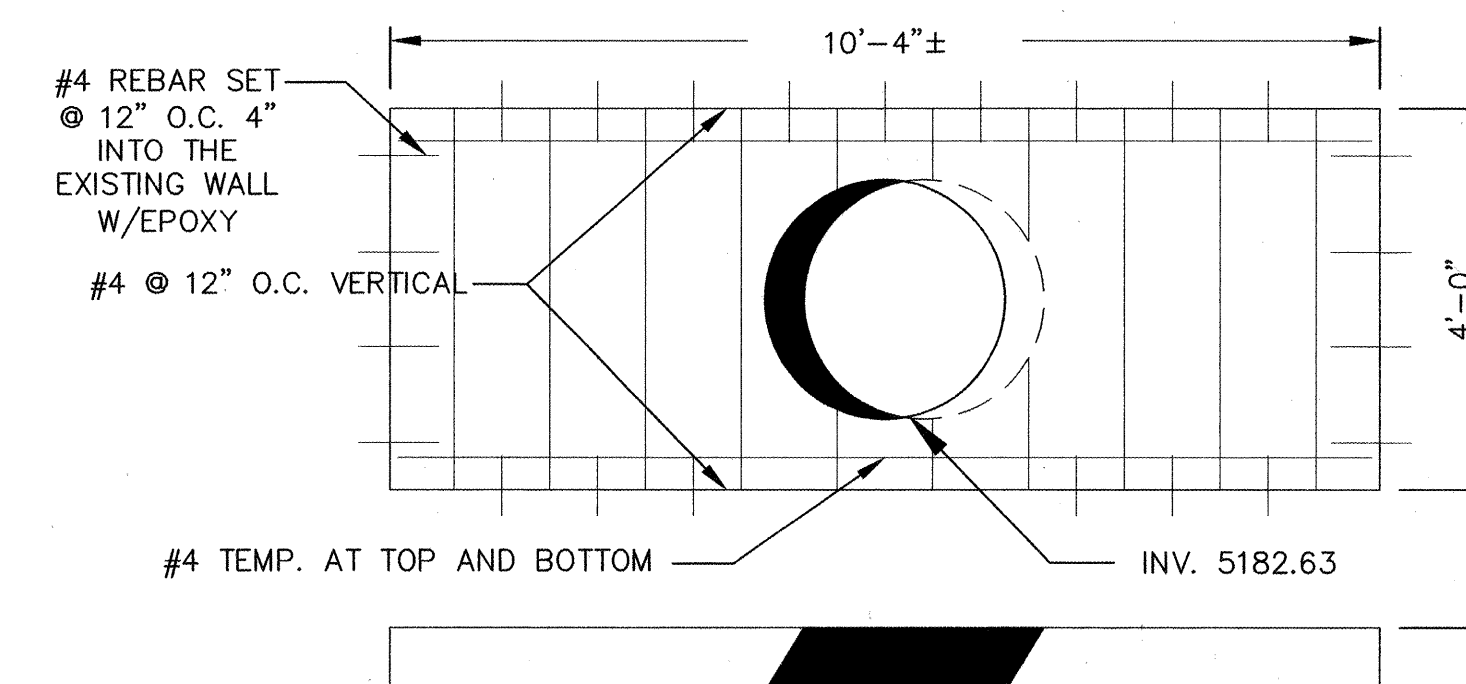
PLAN SAN MATEO SOUTH 60" PIPE CONNECTION

SCALE: 1/2" = 1'-0"

DRAWING: 200244-DETAIL	DRAWN BY: SBB	REVISED: 01-09-04
------------------------	---------------	-------------------

GENERAL NOTES

1. ALL CONCRETE SHALL BE CLASS "A". CHAMFER ALL EXPOSED EDGES 3/4".
2. ALL REINFORCING STEEL TO BE DEFORMED BARS. CONFORMING TO AASHTO M-31, GRADE 60. ALL DIMENSIONS REFER TO THE CENTERLINE OF BAR.
3. "T" BARS MAY BE SPLICED WHEN NECESSARY BY LAPPING AT LEAST 20 BAR DIAMETERS. PAY WEIGHT FOR REINFORCING STEEL DOES NOT INCLUDE SPLICED. COST OF THE SPLICING MATERIAL TO BE INCLUDED IN UNIT PRICE BID FOR REINFORCING STEEL.
4. VOLUME OF CONCRETE = (L) X (CONCRETE QUANTITY/LIN. FT.) PLUS CONCRETE AT ENDS.
5. WEIGHT OF REINFORCING STEEL = (L) X (WEIGHT OF REINF./LIN. FT.) PLUS WEIGHT AT ENDS.
6. PLACE "T" BARS ON "a" BARS AND "tb" BARS UNDER "b" BARS, SPACED AS SHOWN IN THE SCHEDULE OR TABLE. THE REMAINING "Ta" BARS, AND "Tb" BARS ARE TO BE PLACED ADJACENT TO THE "d", "c", "m", and "n" BARS AS INDICATED IN "SECTION A-A".
7. PLACE "Ta" BARS NEXT TO "a1" BARS, SPACED AS SHOWN IN THE SCHEDULE OR TABLE. THE REMAINING "Ta" BARS TO BE PLACED IN SIDEWALLS NEXT TO "c2", "d", and "e" BARS. WHEN "c1" BARS ARE NOT REQUIRED PLACE ALL "Ts" BARS NEXT TO "c2", "d", AND "e" BARS.
8. PLACE "a1", "a3", "b1", "b3", "m1", AND "n1" BARS SYMMETRICAL TO THE CENTERLINE OF THE BOX. PLACE "m2" AND "n2" BARS SYMMETRICAL TO THE CENTERLINE OF THE WALLS.
9. "COVER" IS HEIGHT OF FILL FROM TOP OF BOX TO FINISHED GRADE.



PLAN 1-25 SOUTH 30" PIPE CONNECTION

SCALE: 1/2" = 1'-0"

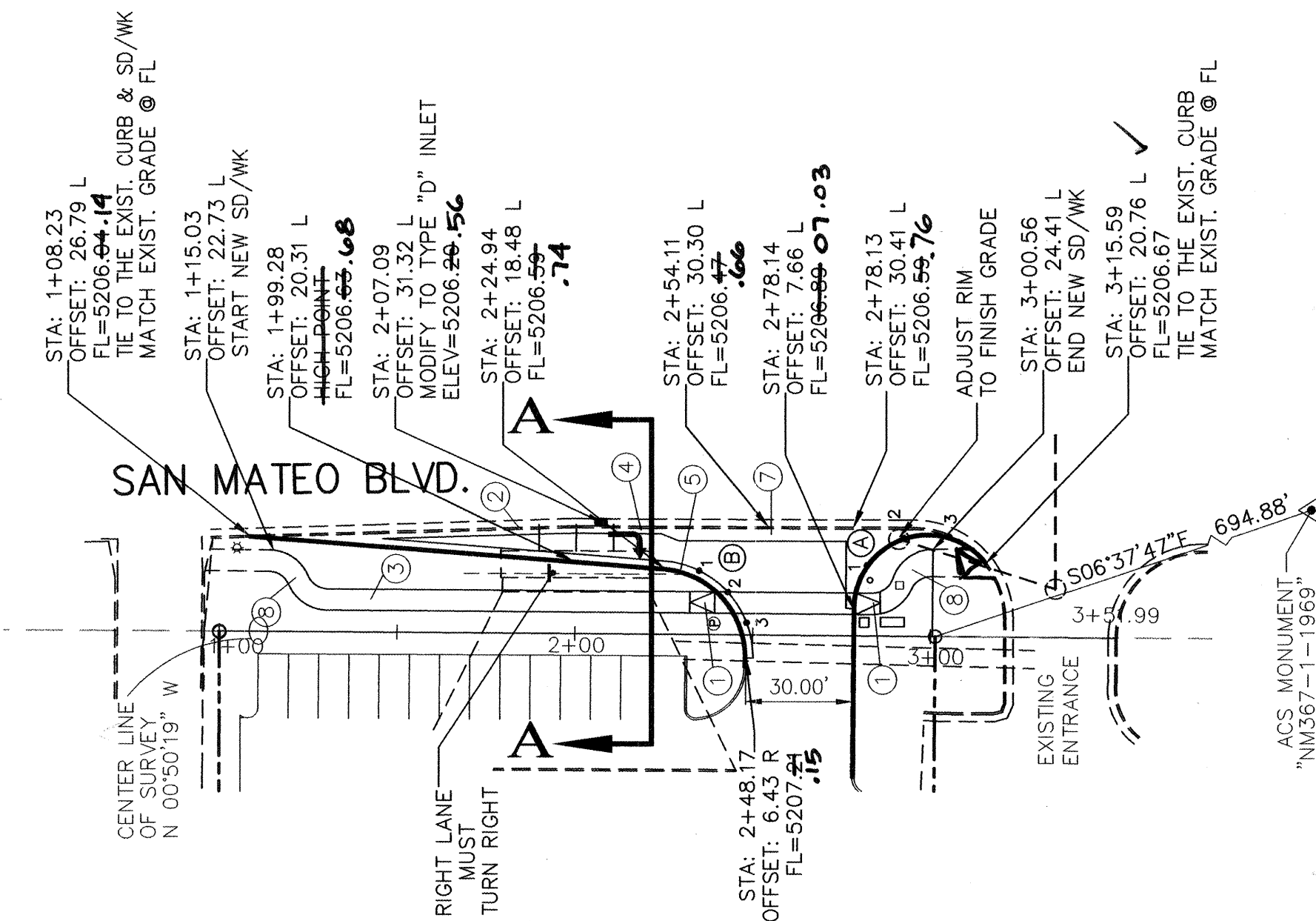
Ryan J. Hall 3/29/2004
STATE HIGHWAY & TRANSPORTATION DATE
DRAINAGE SECTION



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE:	<i>SAN MATEO DEL NORTE (BEAR ARROYO)</i> <i>CONCRETE BOX CULVERT BARRELS QUADRUPLE OPENING (CB-34)</i>

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
PROVED MAR -2 2005 DESIGN REVIEW COMMITTEE	PROVED MAR 2 1 2005 CITY ENGINEER	PAST DESIGN UPDATE		

CITY PROJECT NO.	723681	ZONE MAP NO.	E-17-7	SHEET	9	OF	11
------------------	--------	--------------	--------	-------	---	----	----



NOTES:

1. NEW UNIDIRECTIONAL WHEELCHAIR RAMP PER COA STD. DWG. #2426.
2. REMOVE EXISTING CURB.
3. NEW 6' SIDEWALK PER COA STD. DWG. #2430.
4. NEW 4' VALLEY GUTTER PER COA STD. DWG. #2415B.
5. DEPRESSED CURB AND GUTTER PER COA STD. DWG. #2415A.
7. NEW 6' VALLEY GUTTER PER COA STD. DWG. #2420.
8. NEW 6' SIDEWALK TRANSITION PER COA STD. DWG. #2432.

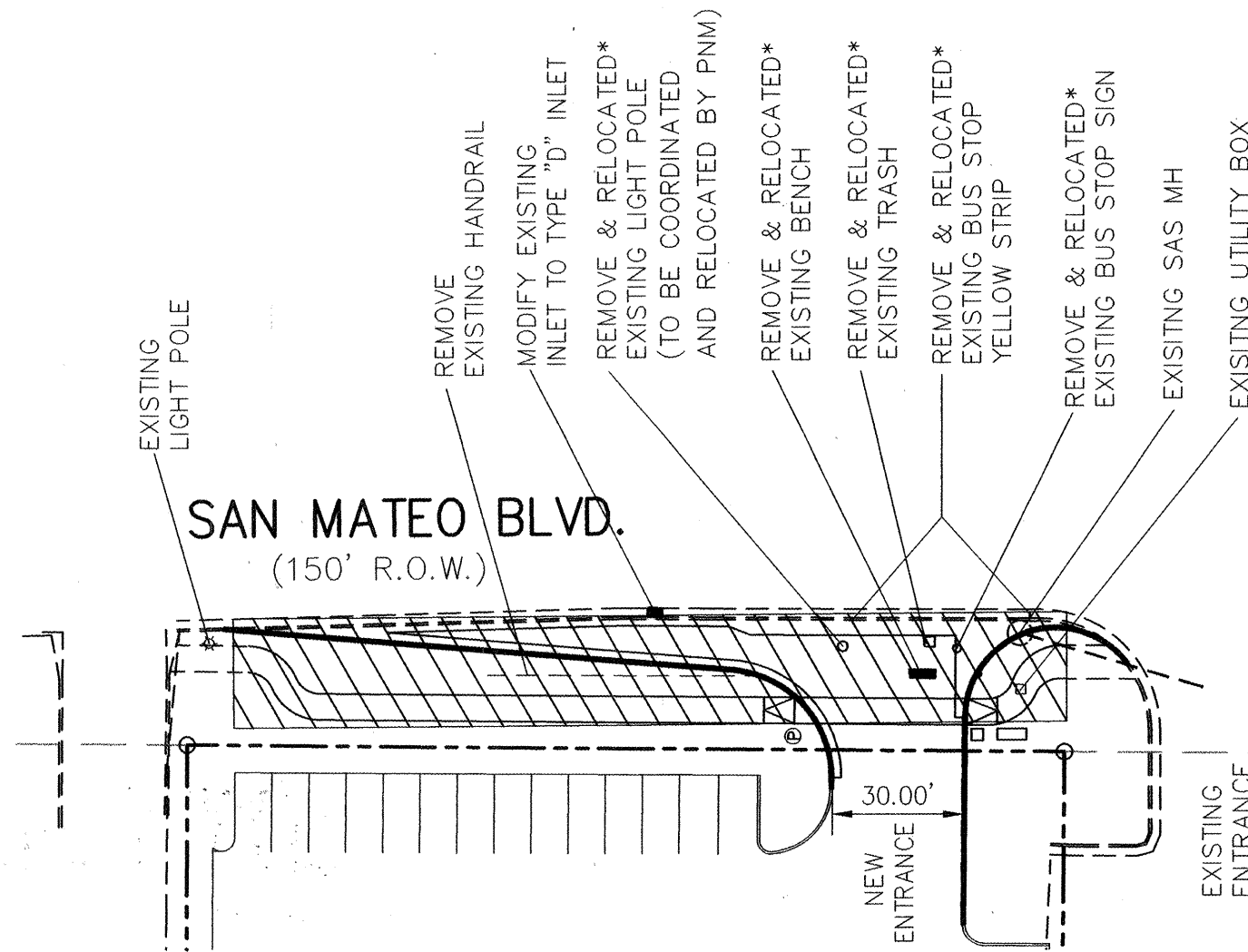
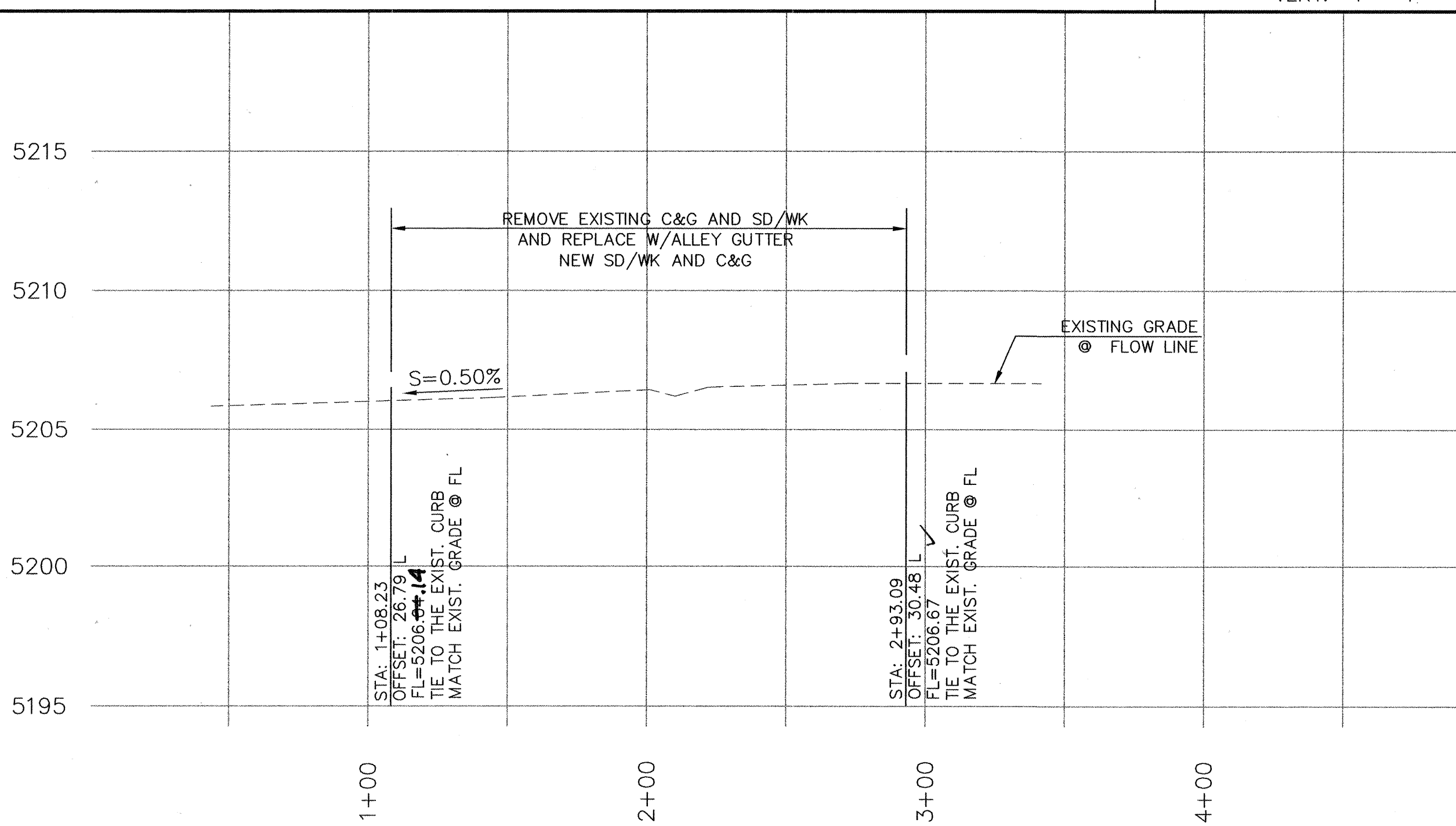
CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD DIRECT
A	51.89	21.00	414°34'02"	60.25	39.66	N18°48'36"W
B	37.47	25.00	85°52'04"	23.26	34.06	N47°28'21"E

QUARTER POINTS

A	FL	ELEV.	B	FL	ELEV.
	1	6.77		1	6.64
	2	6.70		2	6.83
	3	6.63		3	7.02

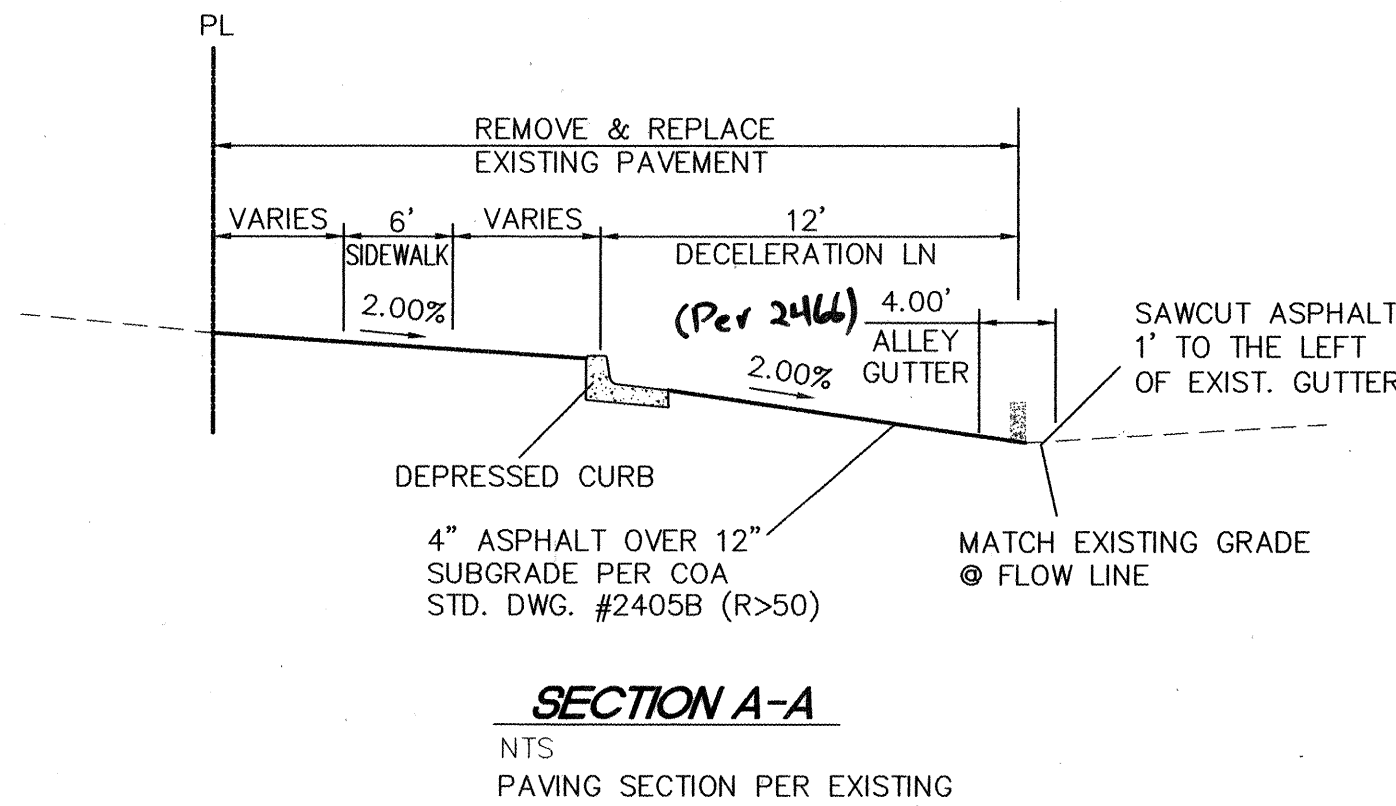
SAN MATEO
STA: 1+00.00 TO 2+95.12

SCALE: HORIZ. 1"=40'
VERT. 1"= 4'



* TO BE REMOVED AND RELOCATED
BY CITY TRANSIT.

NEW LOCATION OF EXISTINGS



SPECIAL PROJECT TRAFFIC CONTROL NOTES:

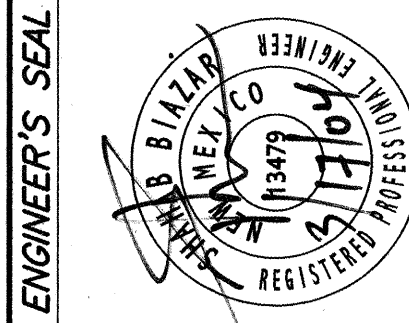
- 1- ONLY SINGLE LANE CLOSURES IN BOTH SAN MATEO BLVD. AND THE I-25 FRONTAGE ROAD WILL BE ALLOWED FOR CONSTRUCTION OF THIS PROJECT.
- 2- ARTERIAL / COLLECTOR ROAD USAGE FEES OF \$0.01 PER SQUARE FOOT OF BARRICADED AREA PER DAY WILL BE ASSESSED ON ALL LANE CLOSURES IN SAN MATEO BLVD.
- 3- CONTRACTOR MUST PERFORM AS MUCH WORK AS POSSIBLE BEHIND THE EXISTING CURB AND GUTTER PRIOR TO AFFECTING TRAFFIC ON SAN MATEO BLVD.
- 4- LANE CLOSURES ON SAN MATEO BLVD. AND THE I-25 FRONTAGE ROAD WILL ONLY BE ALLOWED BETWEEN THE HOURS FROM 9:00 A.M. TO 3:00 P.M. DAILY. IF THE LANE CLOSURES REMAIN IN PLACE DUE TO SAFETY CONCERNS (i.e. DROP-OFFS), THEN THE CONTRACTOR MUST WORK CONTINUOUSLY, 24-HOURS PER DAY, UNTIL THE LANE IS RE-OPENED TO TRAFFIC.
- 5- CONTRACTOR MUST OBTAIN PERMIT FROM THE NMDOT, DISTRICT 3, OFFICE PRIOR TO WORKING IN THE I-25 FRONTAGE ROAD.



4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: **SAN MATEO BLVD. NE.
DECELERATION LANE**

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.	
APPROVE MAR 2 1 2005 DESIGN REVIEW COMMITTEE		APPROVE MAR 2 1 2005 CITY ENGINEER			
CITY PROJECT NO. 723681		ZONE MAP NO. E-17-Z		SHEET 11 OF 11	



ENGINEER'S SEAL

REVISIONS		REMARKS		BY	
NO.	DATE	REVISIONS	REMARKS	NO.	DATE
DESIGNED BY	SB	DATE	01-04		
DRAWN BY	SB	DATE	01-04		
CHECKED BY	SB	DATE	01-04		

AS BUILT INFORMATION

CONTRACTOR'S AS BUILT INFORMATION		DATE	
WORK BY	PAVING CO.	DATE	3-20-05
REVISIONS	PAVING CO.	DATE	3-20-05
APPROVED BY	PAVING CO.	DATE	3-20-05
CHECKED BY	PAVING CO.	DATE	3-20-05
DRAWINGS	PAVING CO.	DATE	3-20-05
CORRECTED BY	PAVING CO.	DATE	3-20-05
MICRO-FILM INFORMATION		DATE	
		NO.	