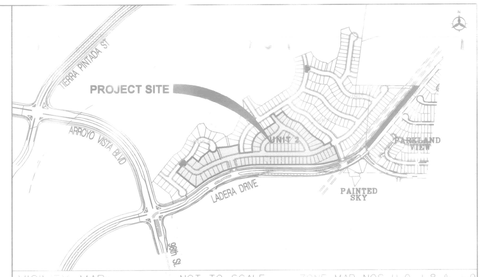
CONSTRUCTION PLANS
FOR
SUNDORO SUBDIVISION
UNIT 2
(PROPERTY OF WESTLAND NORTH)
ALBUQUERQUE, NEW MEXICO

INDEX



VICINITY MAP: NOT TO SCALE ZONE MAP NOS. H-9, J-8 & J-9

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. 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 AS REVISED THROUGH UPDATE No. 7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
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 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 CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK EFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWING. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES, EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [X] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [X] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- [X] 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.
- [X] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- [X] THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

RECORD DRAWINGS

I, PATRICK J. CONLEY of the firm of SMITH ENGINEERING CO. 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, while someone from Smith Engineering Company was onsite, 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 LARRY W. MEDRANO (*Surveyor Name*) NMPS number 11993 (*PS #*).

Engineers Seal & Signature

PATRICK J. CONLEY NEW MEXICO 9141 REGISTERED PROFESSIONAL ENGINEER

12/9/04

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 6502.84 11 05

AS BUILT CERTIFICATION

I, LARRY W. MEDRANO, DO HEREBY ATTEST TO THE FACT THAT THE AS-BUILT INFORMATION SHOWN HEREON IS THE RESULT OF A FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE: 12/3/04

LARRY W. MEDRANO
NEW MEXICO PROFESSIONAL
LAND SURVEYOR NO. 11993

LARRY W. MEDRANO NEW MEXICO 11993 REGISTERED PROFESSIONAL SURVEYOR

PRECISION SURVEYS, INC.
8414-D JEFFERSON STREET, N.E.
ALBUQUERQUE, NM 87113
(505)856-5700

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE 10/18/05

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	* * * * * * * * * * * * * * *
CHRISTIAN J. SHOLTIS NEW MEXICO 16244 REGISTERED PROFESSIONAL ENGINEER 01-12-04	DRC Chairman		3-11-04	APPROVED FOR CONSTRUCTION
	Transportation		1/12/04	
	Water/Wastewater		1/14/04	
	Hydrology		1/12/04	
	CIP			4-26-04 City Engineer Date
	Const. Mngmt.			
	Const. Coord.		3-11-04	
	AMAFCA			

DRB Case Number	City Project No.	Sheet	Of
1002935	650284	1	13

BHI JOB NO. 00 311 A04

GENERAL NOTES

1. EXISTING ZONING FOR : SU-2/R-LT
   EXISTING ZONING FOR: R-O
   PROPOSED ZONING: R-D w/USES PERMISSIVE IN R-T
   PROPOSED RESIDENTIAL DEVELOPMENT:
   SINGLE FAMILY DETACHED RESIDENTIAL

2. TOTAL ACREAGE:

EXISTING PARCEL I	= 218.85 ACRES
EXISTING TRACT A	
PARKWAY SUBDIVISION	= 5.79 ACRES
TOTAL AREA	= 224.60 ACRES
TRACT I-1	= 164.60 ACRES
SUNDORO SUBDIVISION	= 59.00 ACRES
PUBLIC R-O-W LADERA DR.	= 1.04 ACRES
TOTAL AREA	= 224.60 ACRES

GROSS ACREAGE:
UNIT 1 = 16.9346 ACRES
UNIT 2 = 15.7857 ACRES
UNIT 3 = 12.2247 ACRES
UNIT 4 = 14.0550 ACRES
TOTAL GROSS ACREAGE 59.0000 ACRES

NET ACREAGE:
UNIT 1 = 11.2176 ACRES
UNIT 2 = 10.5816 ACRES
UNIT 3 = 9.6380 ACRES
UNIT 4 = 9.2947 ACRES
TOTAL NET ACREAGE 40.7319 ACRES

NUMBER OF LOTS:
UNIT 1 = 73 LOTS
UNIT 2 = 80 LOTS
UNIT 3 = 70 LOTS
UNIT 4 = 60 LOTS
TOTAL NUMBER OF LOTS: 283

PROPOSED DENSITY: 4.79 D.U./ACRE

3. MINIMUM DETACHED LOT DIMENSIONS 40' x 100.00'
   MINIMUM DETACHED LOT AREA 4000 S.F.

4. ALL STREETS, UTILITIES AND DRAINAGE IMPROVEMENTS ARE TO BE PUBLIC, TO BE DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.

5. ALL LOTS SHOWN WITH "P1" DESIGNATION ON THIS PLAT SHALL CONFORM TO INTERMITTENT PARKING DESIGN CRITERIA. ITEM # 1 ON TABLE 23.2.1.C OF THE DPM VOLUME II.

6. LOT SETBACKS SHALL CONFORM TO R-T ZONE REGULATIONS. REQUIRES SETBACKS SHALL INCLUDE:
   FRONT YARD: 20' TYP. (15' w/20' TO GARAGE MIN.)
   SIDE YARD: 5' MIN.
   BACK YARD 15' MIN.

7. TRACTS A, B, C, D, E, F, G, AND H SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.

OWNER

8/29/03

LEROY CHAVEZ, VICE PRESIDENT OF DEVELOPMENT — DATE
WESTLAND DEVELOPMENT COMPANY INC.

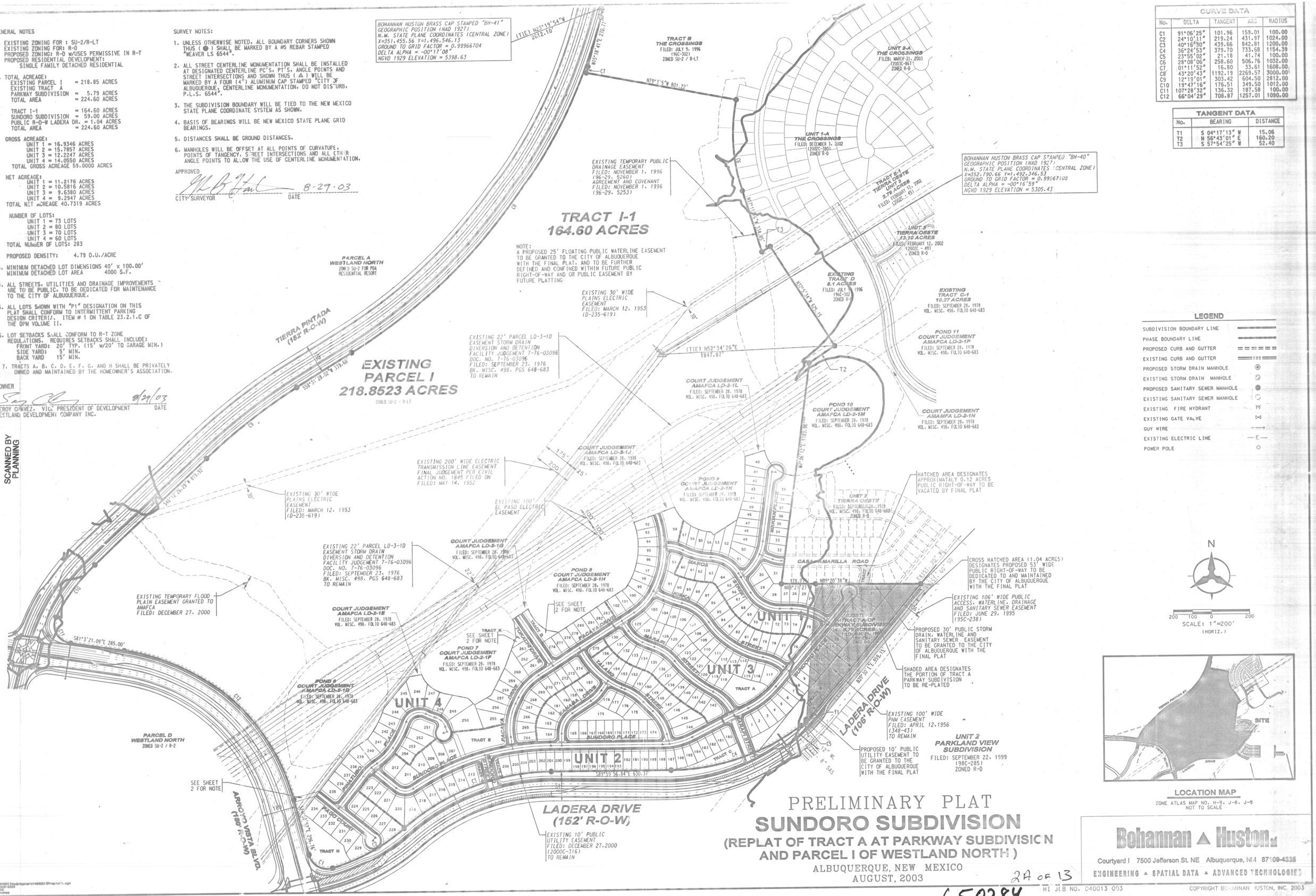
SURVEY NOTES:

1. UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS (●) SHALL BE MARKED BY A #5 REBAR STAMPED "WEAVER LS 6544".
2. ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT DESIGNATED CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AND SHOWN THUS (△) WILL BE MARKED BY A FOUR (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE, CENTERLINE MONUMENTATION, DO NOT DISTURB, P.L.S. 6544".
3. THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
4. BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE GRID BEARINGS.
5. DISTANCES SHALL BE GROUND DISTANCES.
6. MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.

APPROVED

8-29-03

CITY SURVEYOR — DATE



CURVE DATA				
No.	DELTA	TANGENT	ARC	RADIUS
C1	91°06'25"	101.96	159.01	100.00
C2	24°10'11"	219.24	431.97	1024.00
C3	40°16'30"	439.66	842.81	1200.00
C4	36°24'53"	379.70	733.68	1154.39
C5	23°55'02"	21.18	41.74	100.00
C6	28°08'06"	258.60	506.76	1032.00
C7	01°11'52"	16.80	33.61	1608.00
C8	43°20'43"	1192.19	2269.57	3000.00
C9	12°19'01"	303.42	604.50	2812.00
C10	19°47'16"	176.51	349.50	1012.00
C11	107°28'32"	136.32	187.58	100.00
C12	66°04'29"	708.87	1257.01	1090.00

TANGENT DATA		
No.	BEARING	DISTANCE
T1	S 04°17'13" W	15.06
T2	N 56°43'01" E	160.20
T3	S 57°54'25" W	52.40

LEGEND

SUBDIVISION BOUNDARY LINE	
PHASE BOUNDARY LINE	
PROPOSED CURB AND GUTTER	
EXISTING CURB AND GUTTER	
PROPOSED STORM DRAIN MANHOLE	
EXISTING STORM DRAIN MANHOLE	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	
EXISTING FIRE HYDRANT	
EXISTING GATE VALVE	
GUY WIRE	
EXISTING ELECTRIC LINE	—E—
POWER POLE	

N

200 100 0 200
SCALE: 1"=200'
(HORIZ.)

LOCATION MAP
ZONE ATLAS MAP NO. H-9, J-8, J-9
NOT TO SCALE

PRELIMINARY PLAT
SUNDORO SUBDIVISION
(REPLAT OF TRACT A AT PARKWAY SUBDIVISION AND PARCEL I OF WESTLAND NORTH)

ALBUQUERQUE, NEW MEXICO
AUGUST, 2003

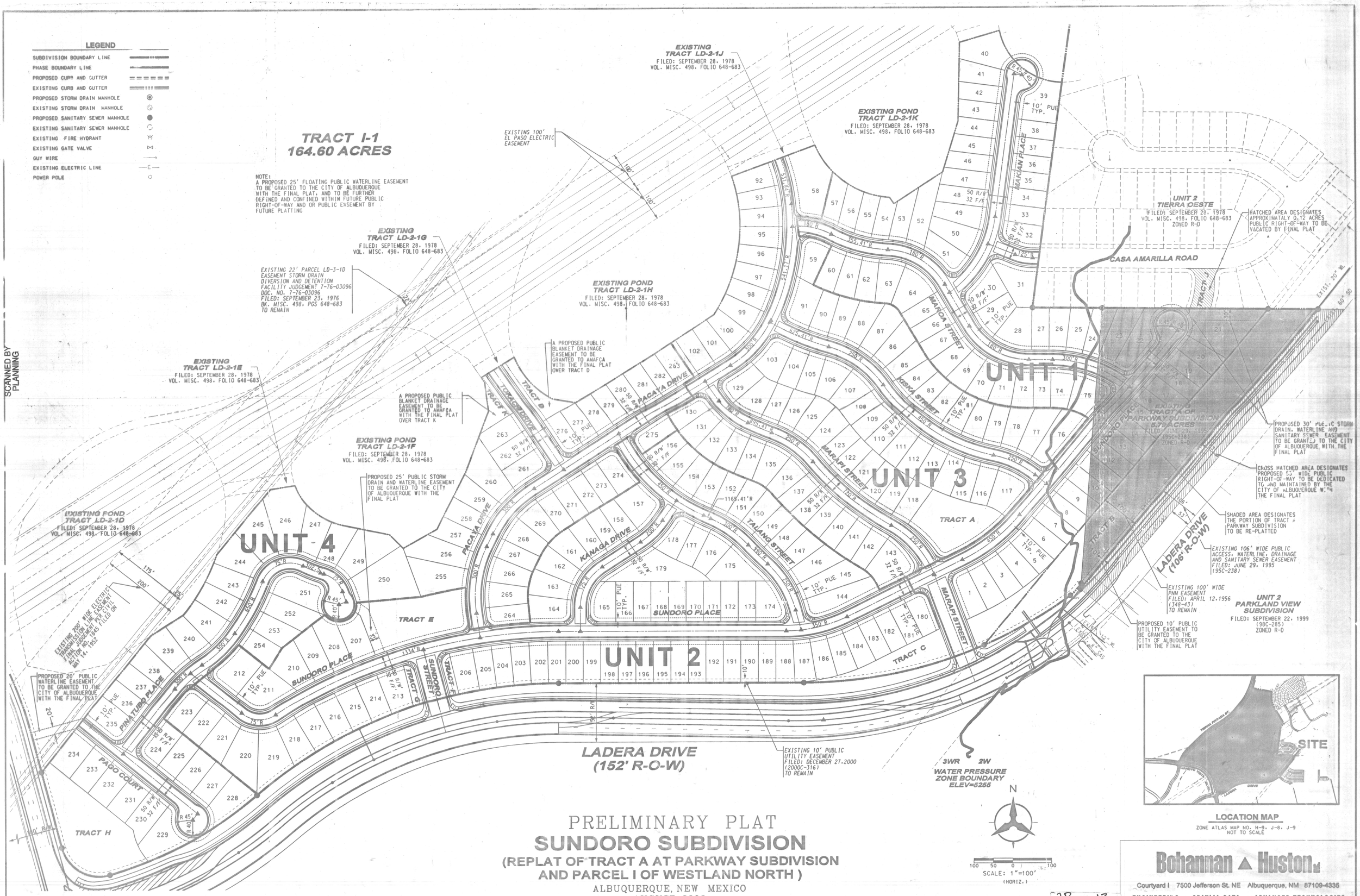
Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

2A of 13

650284

HI JOB NO. 040013 003



SCANNED BY PLANNING

PRELIMINARY PLAT

SUNDORO SUBDIVISION

(REPLAT OF TRACT A AT PARKWAY SUBDIVISION AND PARCEL I OF WESTLAND NORTH)

ALBUQUERQUE, NEW MEXICO

AUGUST, 2003

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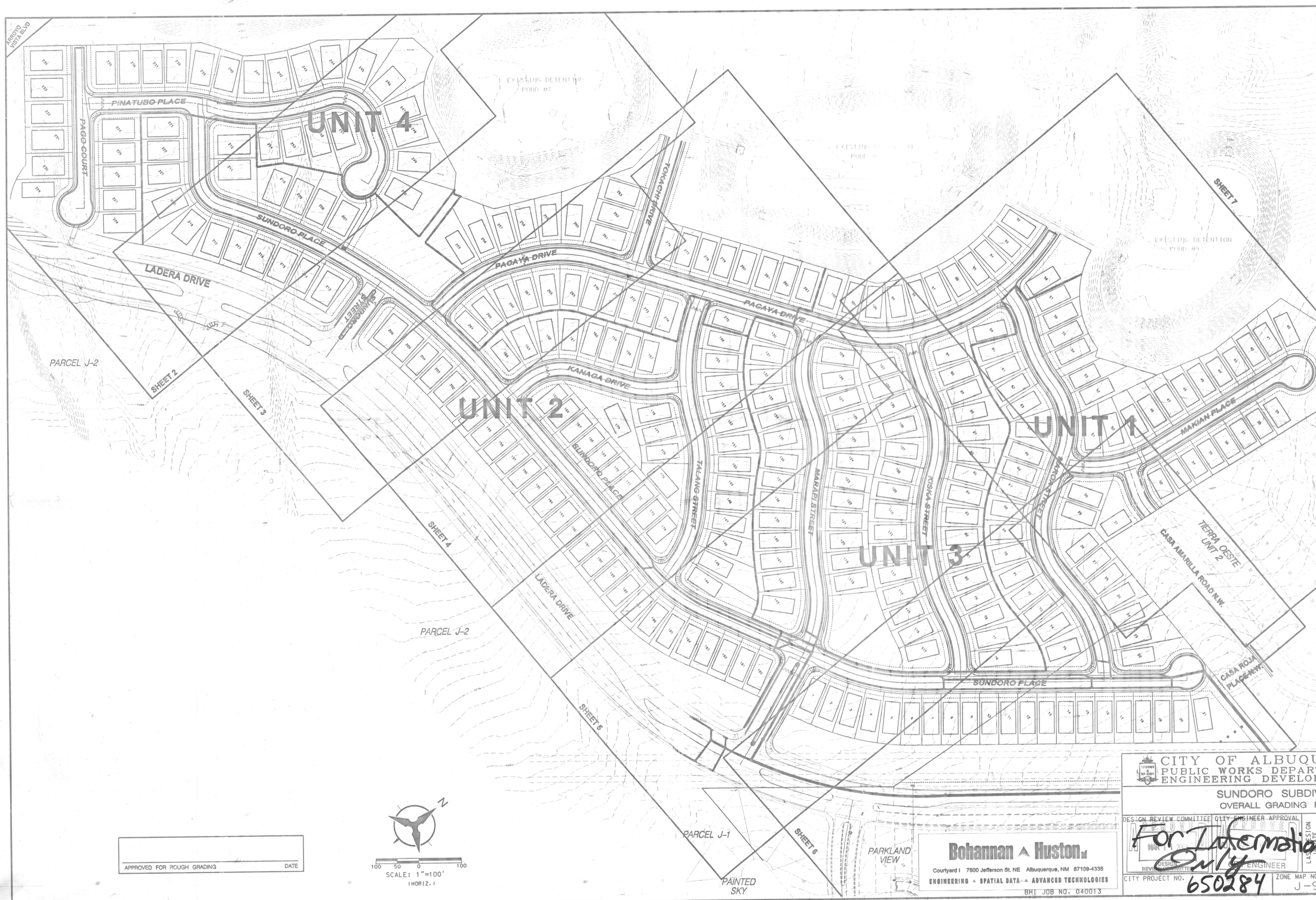
2B OF 13

650284

BHI JO NO. 040013 003



APPROVED FOR ROUGH GRADING DATE

AS-BUILT INFORMATION

CONTRACTOR
STAKED BY
INSPECTOR'S
ACCEPTANCE BY — DATE
FIELD
VERIFICATION BY — DATE
DRAWINGS
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS STATION NAMED 4 - K6
3 -1/4" ALUM. CAP
HV18 = 4 - K6
X=1,477,665.89, Y=1,484,081.55
ELEV=5733.00
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I - 40, 0.74 MI SOUTH OF
POWERLINES, 39.6' NW OF CENTERLINE
OF PASEO DEL VULCAN

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CHRISTIAN T. SILVIS — NEW MEXICO — 9261 — PROFESSIONAL ENGINEER
04-11-03 12-19-03
10-09-03

NO.	DATE	REMARKS	BY
1	12/2003	CHANGES PER AMAFCA, SHEETS 3 AND 4	CJS
2	10/2003	ADD 160 LF OF RETAINING WALL ON SHTS 2, 4.	CJS

REVISIONS

DESIGN		DATE
DESIGNED BY	CJS	DATE 08/2003
DRAWN BY	BES	DATE 08/2003
CHECKED BY	CJS	DATE 08/2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION
OVERALL GRADING PLAN

DESIGN REVIEW COMMITTEE — APPROVED — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED — CITY ENGINEER
LAST DESIGN DATE — MO./DAY/YR. — MO./DAY/YR.

For Information Only

CITY PROJECT NO. 650284 — ZONE MAP NO. J-9 — SHEET 3A OF 13

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES
BHI JOB NO. 040013

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SCANNED BY PLANNING

ARROYO VISTA BLVD

98TH STREET

TRACT H

PARCEL J-2

PAGO COURT

PINATUBO PLACE

SUNDORO PLACE

LADERA DRIVE

BUILD 4' RUNDOWN PER TYPICAL SECTION SHEET 8

BUILD 2 - 24" SIDEWALK CULVERTS PER COA STD. DWG 2236

BUILD 10' RUNDOWN

BUILD 4 SIDEWALK CULVERT PER COA STD. DWG 2236

EXIST. NG DETENTION POND

NOTE:

TEMPORARY DESILTATION POND SHALL BE BUILT ON EACH LOT (SEE SHEET 8 FOR DETAIL)

LEGEND

PROPOSED SPOT ELEVATION	5235.25
FL OF ROLL CURB ELEVATION	5235.25
EXISTING SPOT ELEVATION	5235.25
EXISTING CONTOUR	
PHASE BOUNDARY	
DIRECTION OF FLOW	
EXISTING STORM DRAIN LINE	
PROPOSED STORM DRAIN INLET	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED WATER BLOCK	
RETAINING WALL	
GARDEN WALL	
POND CONTOUR	
PAD	

N

SCALE: 1"=40' (HORIZ.)

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION

GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
For Info Only				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8/J-9	3B	13

BHI JOB NO. 040013

AS-BUILT INFORMATION

CONTRACTOR	
SURVEYED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

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ELEV=5733.00

ON PASEO DEL VULCAN, 0.91 MI NORTH OF I - 40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CONSTANTINE J. SIDOTIS NEW MEXICO 15844 PROFESSIONAL ENGINEER 12-19-03 10-09-03

NO.	DATE	REMARKS	BY
4	12/2003	CHANGES PER AMAFCA. SHEETS 3 AND 4	CJS
3	10/2003	ADD 160 LF OF RETAINING WALL ON SHTS 2, 4.	CJS

REVISIONS

DESIGNED BY	CJS	DATE 08/2003
DRAWN BY	BS	DATE 08/2003
CHECKED BY	CJS	DATE 08/2003

DESIGN

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SCANNED BY PLANNING

AS-BUILT INFORMATION	
CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
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NO.	

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

CONSTANTINE J. SOLIS III, NEW MEXICO, 14831, REGISTERED PROFESSIONAL ENGINEER — 04-11-03, 12-19-03, 10-01-03

NO.	DATE	REMARKS	BY
4	12/2003	CHANGES PER AMAFCA, SHEETS 3 AND 4	CJS
3	10/2003	ADD 160 LF OF RETAINING WALL ON SHTS 2, 4.	CJS

REVISIONS

DESIGN		
DESIGNED BY	CJS	DATE 08/2003
DRAWN BY	BS	DATE 08/2003
CHECKED BY	CJS	DATE 08/2003

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION
GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
For Info Only				

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8/J-9	3	13

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AS-BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	
WORK STAKES ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

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ON PASEO DEL VULCAN, 0.91 MI NORTH OF I - 40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

ENGINEER'S SEAL

NEW MEXICO LICENSED PROFESSIONAL ENGINEER CHRISTIAN J. SOLTIS 12-19-03

SURVEY INFORMATION

NO.	BY	DATE

FIELD NOTES

NO.	DATE	REMARKS	BY
4	12/2003	CHANGES PER AMAFCA, SHEETS 3 AND 4	CJS
3	10/2003	ADD 160 LF OF RETAINING WALL ON SHTS 2, 4.	CJS

REVISIONS

DESIGN

DESIGNED BY	CJS	DATE 08/2003
DRAWN BY	BES	DATE 08/2003
CHECKED BY	CJS	DATE 08/2003

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION

GRADING PLAN

DESIGN REVIEW BOARD NO.	APPROVAL DATE	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
For Info only				

CITY PROJECT NO. 650284 | ZONE MAP NO. J-8/J-9 | SHEET 3D OF 13

BHI JOB NO. 040013

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AS-BUILT INFORMATION

BENCH MARKS	
ACS STATION NAMED 4 - K6	
3 -1/4" ALUM. CAP	
HV18. = 4 - K6	
X=1.477.665.89, Y=1.484.081.55	
ELEV=5733.00	
ON PASED DEL VULCAN, 0.91 MI NORTH OF I - 40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASED DEL VULCAN	

SURVEY INFORMATION		
CONTRACTOR		
WORK STAKED BY		
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

CHRISTIAN J. SOKITE
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
09-17-03
12-19-03
10-09-03

REMARKS		
4	CHANGES PER AMAFCA, SHEETS 3 AND 4	CJS
3	ADD 160 LF OF RETAINING WALL ON SHTS 2, 4.	CJS
2		
1		
NO.	DATE	BY

REVISIONS

DESIGN		
DESIGNED BY	CJS	DATE 08/2003
DRAWN BY	BES	DATE 08/2003
CHECKED BY	CJS	DATE 08/2003

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

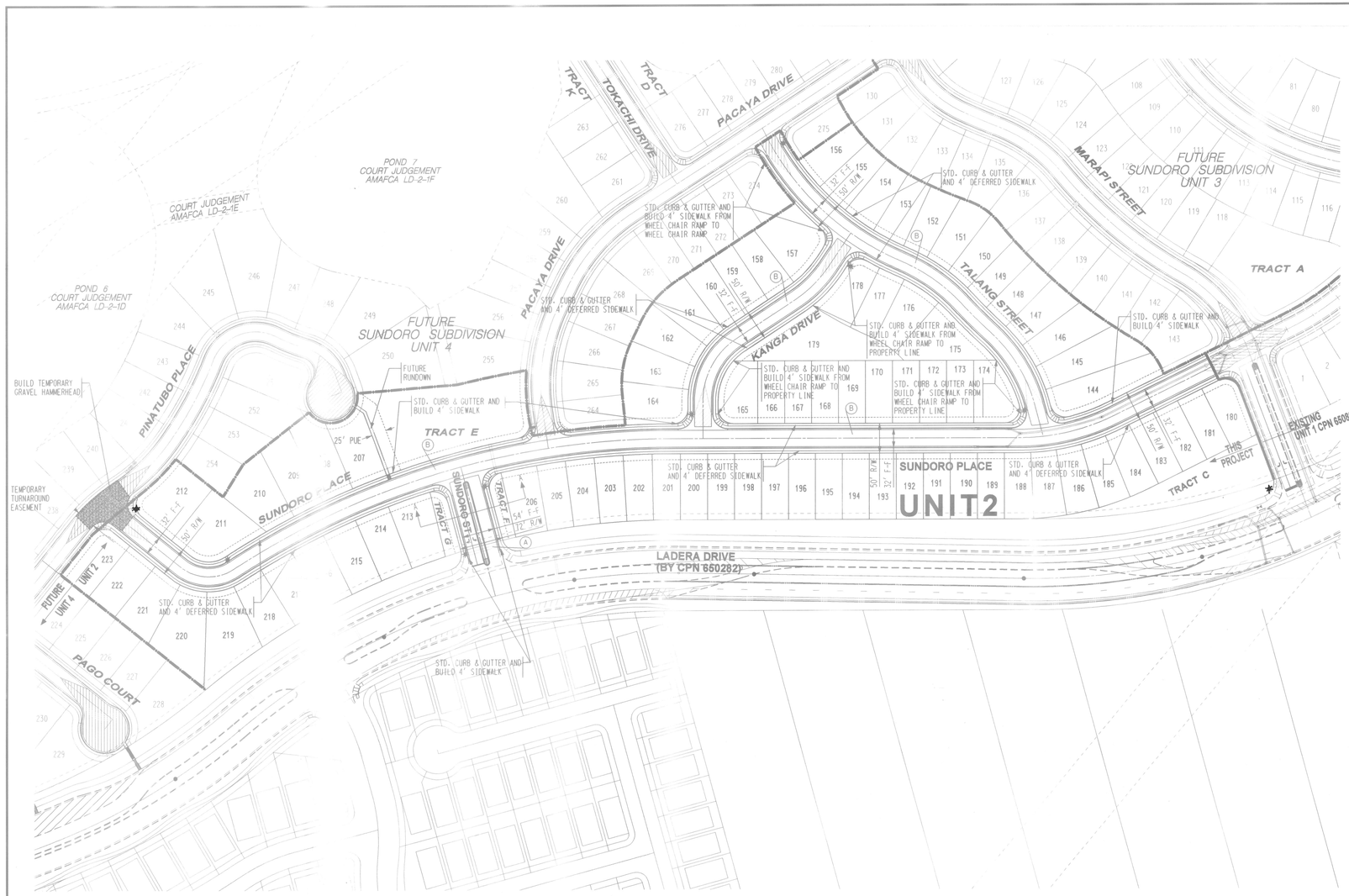
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

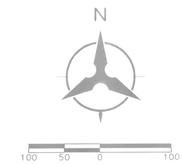
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION
GRADING PLAN

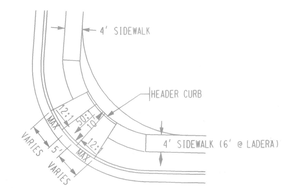
DESIGN REVIEW BOARD NO.	APPROVAL DATE	MO./DAY/YR.	MO./DAY/YR.
For Info only	LAST DESIGN UPDATE		
CITY PROJECT NO. 650284	ZONE MAP NO. J-8/J-9	SHEET 3F	OF 13

BHI JOB NO. 040013



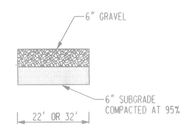


CONTRACTOR SHALL COORDINATE WITH ALL WET AND DRY UTILITY COMPANIES FOR EXACT LOCATIONS OF UTILITIES PRIOR TO ANY WORK WITHIN LADERA DRIVE. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY UPON THE DISCOVERY OF ANY DISCREPANCIES.



WHEEL CHAIR RAMP DETAIL A
SEE MODIFIED STD. DWG. 2441 CASE II
NOT TO SCALE

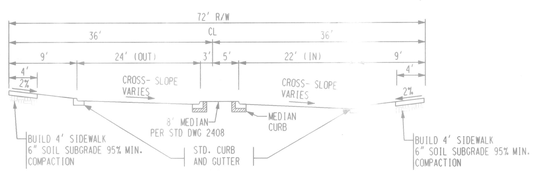
TYPICAL LEFT OR RIGHT TURN ONLY



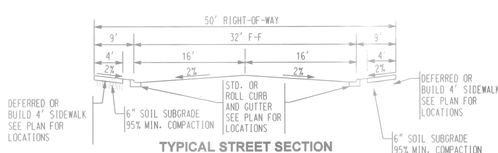
TEMPORARY GRAVEL HAMMERHEAD SECTION
NOT TO SCALE

LEGEND

- PROPOSED PHASE BOUNDARY
- PROPOSED CURB AND GUTTER
- EXISTING CURB AND GUTTER
- PROPOSED STORM DRAIN INLET
- PROPOSED STORM MANHOLE
- EXISTING STORM DRAIN MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING FIRE HYDRANT
- PROPOSED STREET LIGHT
- SIDEWALK
- CROWN FLATTENING
- PROPOSED WATER METER

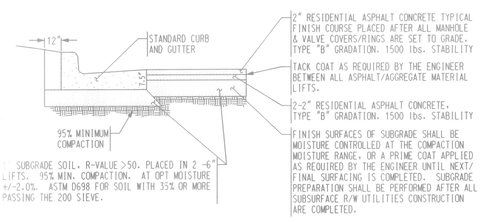


ENTRANCE TO SUBDIVISION STREET SECTION A-A
NOT TO SCALE



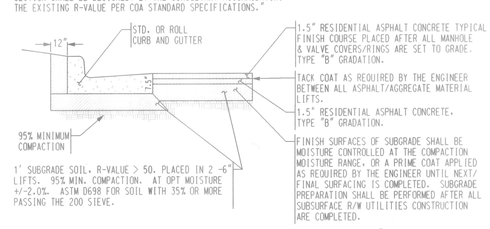
TYPICAL STREET SECTION
LOCAL RESIDENTIAL
NOT TO SCALE

NOTE:
"SOIL NOT HAVING THE MINIMUM R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED. BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED, BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS."



ENTRANCE TO SUBDIVISION PAVEMENT SECTION (A)
NOT TO SCALE

NOTE:
"SOIL NOT HAVING THE MINIMUM R-VALUE OF 50, SHALL BE REMOVED TO A DEPTH OF 2 FEET AND REPLACED. BY THE CONTRACTOR, WITH SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED, BY THE CONSULTANT ACCOMMODATING THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS."



TYPICAL SUBDIVISION PAVEMENT SECTION (B)
(REFER TO COA STD. DWG. 2405A)
(EXCEPT TYPE "B" GRADATION SHALL BE USED)
(AS ACCEPTED ON COA PROJECT #628881)
NOT TO SCALE

BHI JOB NO. 04 0013

AS-BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR ACCEPTANCE — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS STATION NAMED 4 - K6. 3 1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927).
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=836.918.47 Y=1.483.515.05
GROUND-TO-GRID FACTOR .0999856356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

ENGINEER'S SEAL
CHRISTIAN J. SHOLTS
NEW MEXICO
10844
REGISTERED PROFESSIONAL ENGINEER
01-12-04

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

NO.	DATE	REMARKS REVISIONS DESIGN	BY
		DESIGNED BY	CJS DATE 09/2003
		DRAWN BY	BS DATE 09/2003
		CHECKED BY	JAS DATE 09/2003

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING - SPATIAL DATA - ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION UNIT 2
OVERALL PAVING PLAN

DESIGN REVIEW COMMITTEE: APPROVED MAR 11 2004 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 26 2004 — CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO. 650284 | ZONE MAP NO. J-8, J-9 | SHEET 4 OF 13

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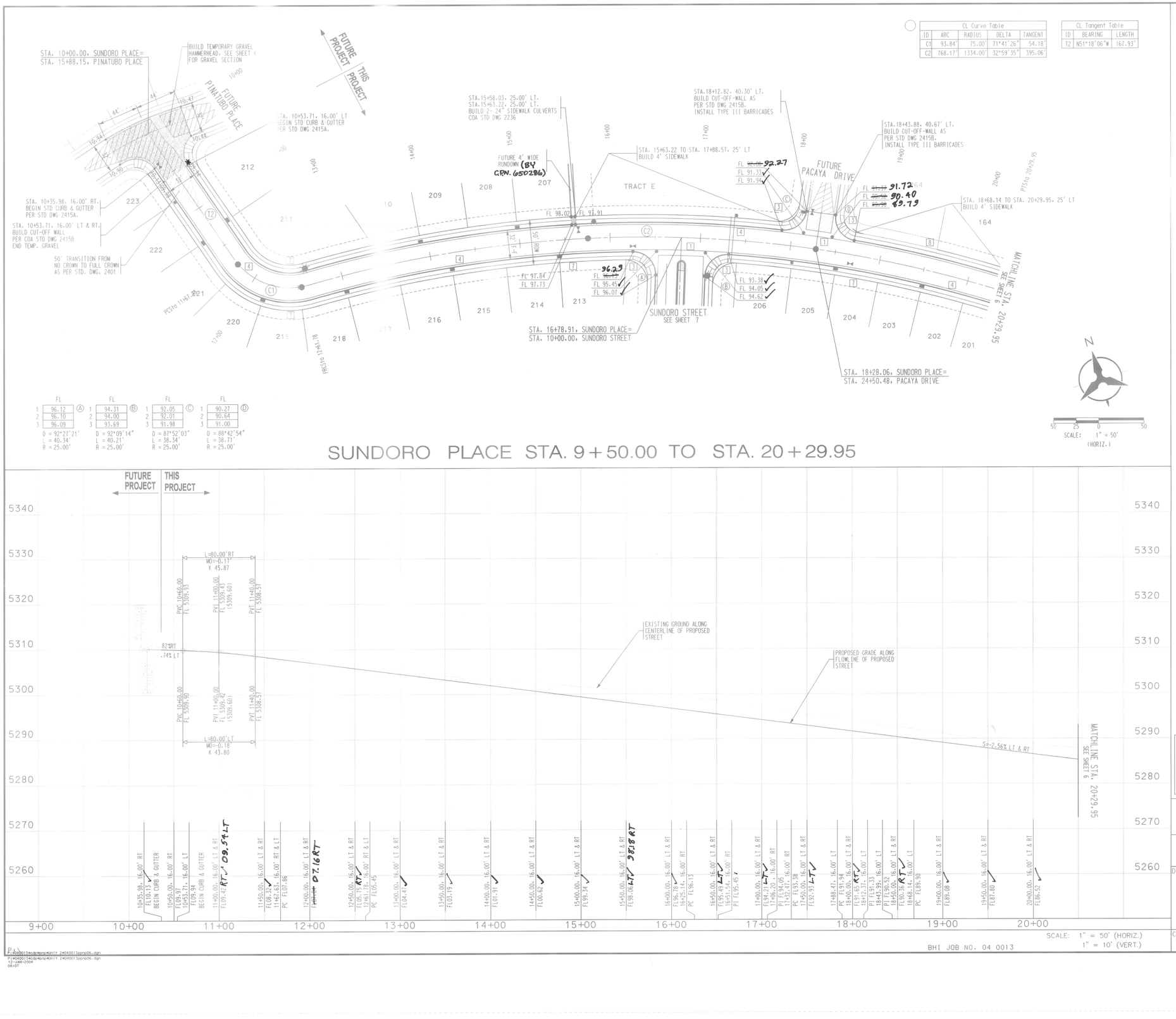
12-JAN-2004
08:07

SCANNED BY PLANNING

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	93.84'	75.00'	71°41'26"	54.18'
C2	768.17'	1334.00'	32°59'35"	395.06'

CL Tangent Table		
ID	BEARING	LENGTH
T2	N51°18'06"W	167.93'



FL			
1	96.12	94.31	92.05	90.27
2	96.10	94.00	92.01	90.64
3	96.09	93.69	91.98	91.00
	Ⓐ	Ⓑ	Ⓒ	Ⓓ
	D = 92°27'21" L = 40.34' R = 25.00'	D = 92°09'14" L = 40.21' R = 25.00'	D = 87°52'03" L = 38.34' R = 25.00'	D = 88°42'54" L = 38.71' R = 25.00'

SUNDORO PLACE STA. 9+50.00 TO STA. 20+29.95

BHI JOB NO. 04 0013

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED GENERAL NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2422
3. INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441, CASE II WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 4
4. STD. CURB & GUTTER AS PER STD. DWG. 2415A
5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415B
6. ROLL CURB & GUTTER AS PER STD. DWG. 2415A
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK N PER COA STD DWG 2430
9. BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED
10. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) PER STD DWG 2408 MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT.

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
PAVING PLAN & PROFILE
SUNDORO PLACE STA. 9+50.00 – 20+29.95

DESIGN REVIEW COMMITTEE: APPROVED MAR 11 2004 — DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED APR 26 2004 — CITY ENGINEER

LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	5	13

ENGINEER'S SEAL: CHRISTIAN J. SHOLTIS, NEW MEXICO, 16244, REGISTERED PROFESSIONAL ENGINEER — 01-12-04

AS-BUILT INFORMATION
CONTRACTOR Helmuth Concrete
STAKED BY Precision Surveys
INSPECTOR BY
FIELD INSPECTION BY Precision Surveys DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
OK for Inspector: Harry Blair

BENCH MARKS
ACS STATION NAMED 4 - K6. 3 -1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,918.47; Y=1,483,515.05
GROUND-TO-GRID FACTOR .999956356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	CJS	10/2003
DRAWN BY	BS	10/2003
CHECKED BY	CJS	10/2003

SCANNED BY PLANNING

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12-JAN-2004
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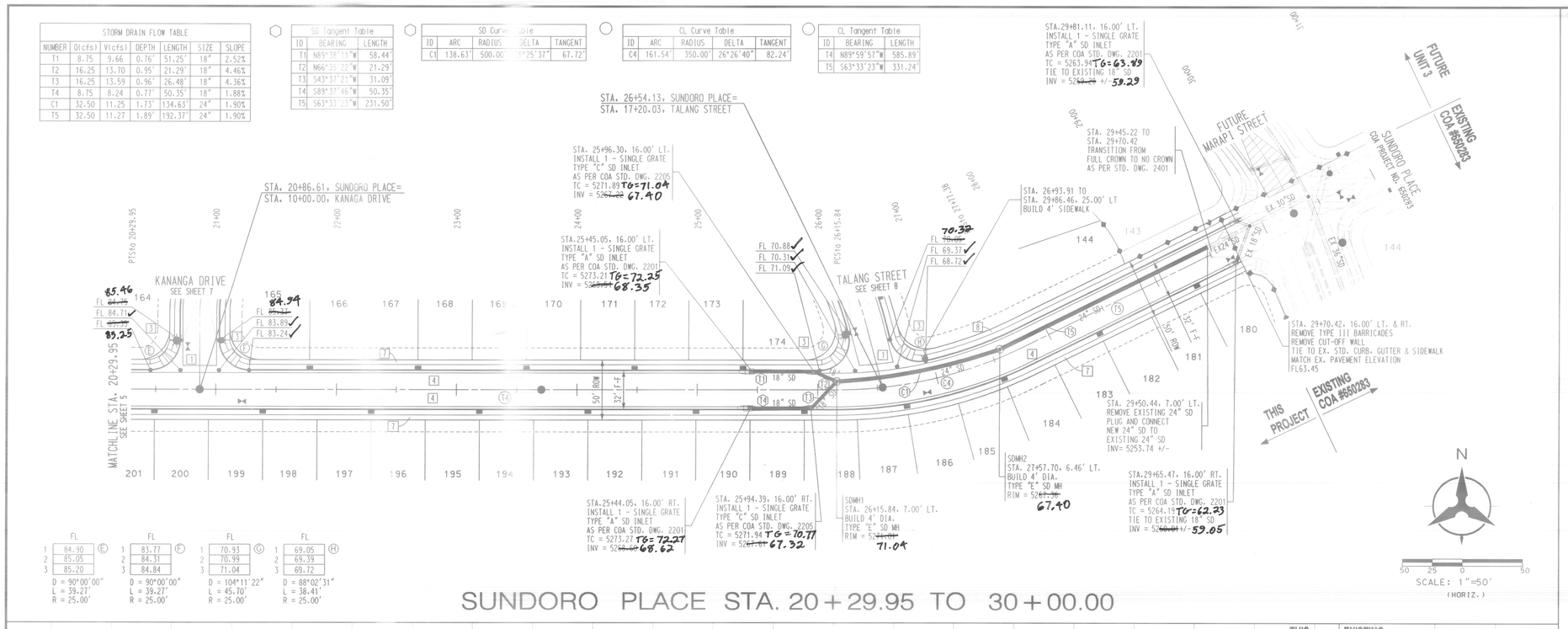
STORM DRAIN FLOW TABLE						
NUMBER	Q(cfs)	V(cfs)	DEPTH	LENGTH	SIZE	SLOPE
T1	8.75	9.66	0.76'	51.25'	18"	2.52%
T2	16.25	13.70	0.95'	21.29'	18"	4.46%
T3	16.25	13.59	0.96'	26.48'	18"	4.36%
T4	8.75	8.24	0.77'	50.35'	18"	1.88%
C1	32.50	11.25	1.73'	134.63'	24"	1.90%
T5	32.50	11.27	1.89'	192.37'	24"	1.90%

SD Tangent Table		
ID	BEARING	LENGTH
T1	N89°39'11"W	58.44'
T2	N66°35'22"W	21.29'
T3	S43°37'21"W	31.09'
T4	S89°37'46"W	50.35'
T5	S63°33'23"W	231.50'

SD Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	138.63'	500.00'	15°25'37"	67.72'

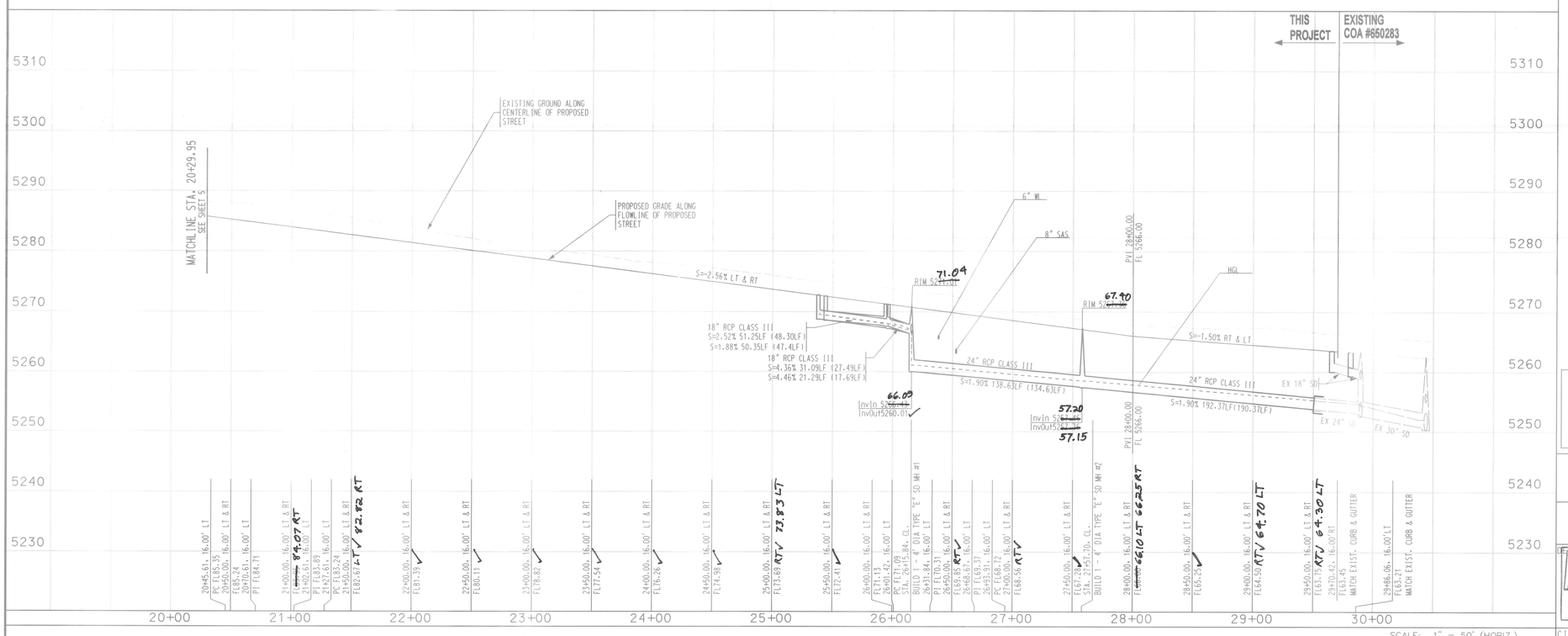
CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	161.54'	350.00'	26°26'40"	82.24'

CL Tangent Table		
ID	BEARING	LENGTH
T4	N89°59'57"W	585.89'
T5	S63°33'23"W	331.24'



FL			
1	84.90 (E)	83.77 (F)	70.93 (G)	69.05 (H)
2	85.05	84.31	70.99	69.39
3	85.20	84.84	71.04	69.72
	D = 90°00'00"	D = 90°00'00"	D = 104°11'22"	D = 88°02'31"
	L = 39.27'	L = 39.27'	L = 45.70'	L = 38.41'
	R = 25.00'	R = 25.00'	R = 25.00'	R = 25.00'

SUNDORO PLACE STA. 20+29.95 TO 30+00.00



BHI JOB NO. 04 0013

NOTES

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11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED GENERAL NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2422
3. INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441. CASE II WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 4
4. STD. CURB & GUTTER AS PER STD. DWG. 2415A
5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415B
6. ROLL CURB & GUTTER AS PER STD. DWG. 2415A
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK N PER COA STD DWG 2430
9. BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED
10. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) PER STD DWG 2408 MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT.

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING · SPATIAL DATA · ADVANCED TECHNOLOGIES

AS-BUILT INFORMATION
CONTRACTOR Valencia Lincoln
STAKED BY Precision Surveys
INSPECTOR'S ACCEPTANCE BY SSC DATE 04
FIELD VERIFICATION BY Precision Surveys DATE 1-07
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
ON PASEO DEL VULCAN, 0.91 MI NORTH OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN
per COA Inspector: Henry Blair

BENCH MARKS
ACS STATION NAMED 4 - K6, 3-1/4" ALUM. CAP STAMPED HV18 = 4 - K6 GEOGRAPHIC POSITION (1927).
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,918.47; Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CHRISTIAN J. SHOLTIS NEW MEXICO 16044 REGISTERED PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	CJS	10/2003
DRAWN BY	BS	10/2003
CHECKED BY	CJS	10/2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
PAVING PLAN & PROFILE
SUNDORO PLACE STA. 20+29.95 – 30+00.00

DESIGN REVIEW COMMITTEE: APPROVED MAR 11 2004
CITY ENGINEER: APPROVED APR 26 2004
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	6	13

SCANNED BY PLANNING

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12-JAN-2004
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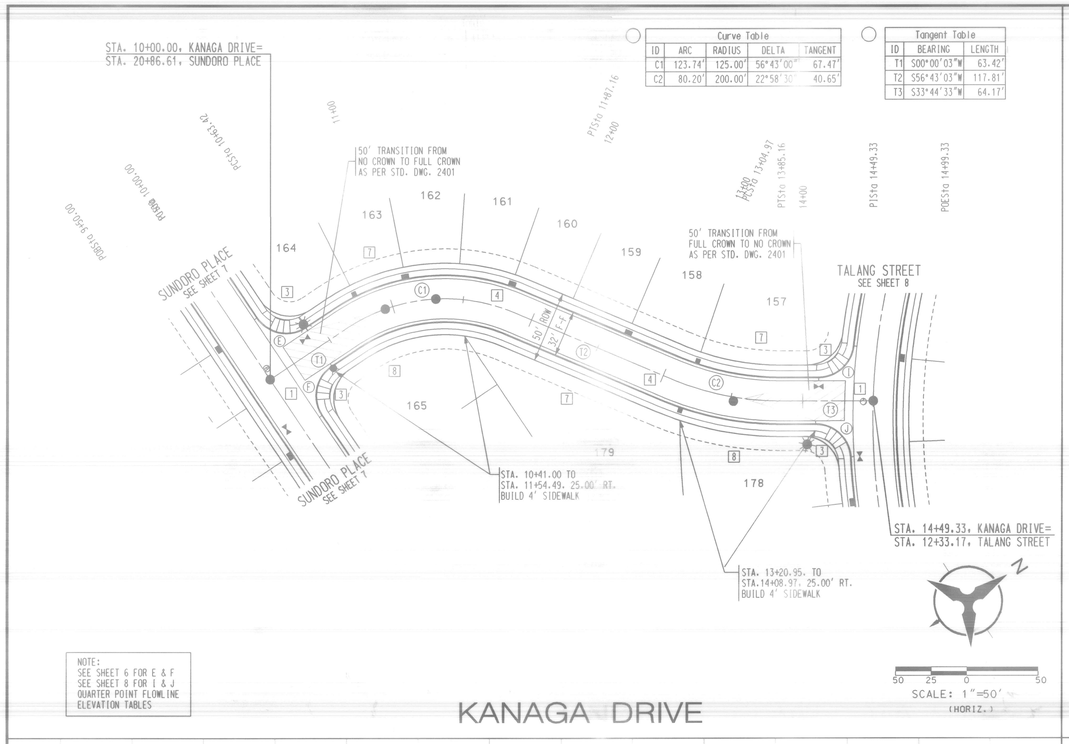
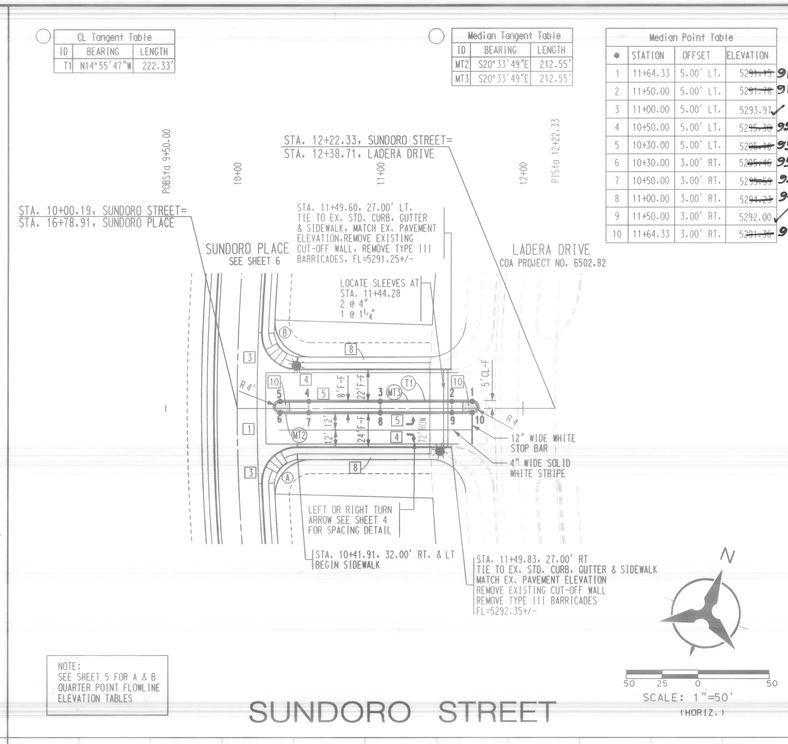


Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	123.74'	125.00'	56°43'00"	67.47'
C2	80.20'	200.00'	22°58'30"	40.65'

Tangent Table		
ID	BEARING	LENGTH
T1	S00°00'03"W	63.42'
T2	S56°43'03"W	117.81'
T3	S33°44'33"W	64.17'

NOTE:
SEE SHEET 6 FOR E & F
SEE SHEET 8 FOR I & J
QUARTER POINT FLOWLINE
ELEVATION TABLES

KANAGA DRIVE



CL Tangent Table		
ID	BEARING	LENGTH
T1	N14°55'47"W	222.33'

Median Tangent Table		
ID	BEARING	LENGTH
MT2	S20°33'49"E	212.55'
MT3	S20°33'49"E	212.55'

Median Point Table			
●	STATION	OFFSET	ELEVATION
1	11+64.33	5.00' LT.	52~~91.11~~ 91.33
2	11+50.00	5.00' LT.	52~~91.71~~ 91.85
3	11+00.00	5.00' LT.	5293.97
4	10+50.00	5.00' LT.	52~~95.30~~ 95.41
5	10+30.00	5.00' LT.	52~~95.46~~ 95.53
6	10+30.00	3.00' RT.	52~~95.46~~ 95.58
7	10+50.00	3.00' RT.	52~~95.30~~ 95.42
8	11+00.00	3.00' RT.	52~~94.27~~ 94.45
9	11+50.00	3.00' RT.	5292.00
10	11+64.33	3.00' RT.	52~~91.30~~ 91.49

NOTE:
SEE SHEET 5 FOR A & B
QUARTER POINT FLOWLINE
ELEVATION TABLES

SUNDORO STREET

NOTES

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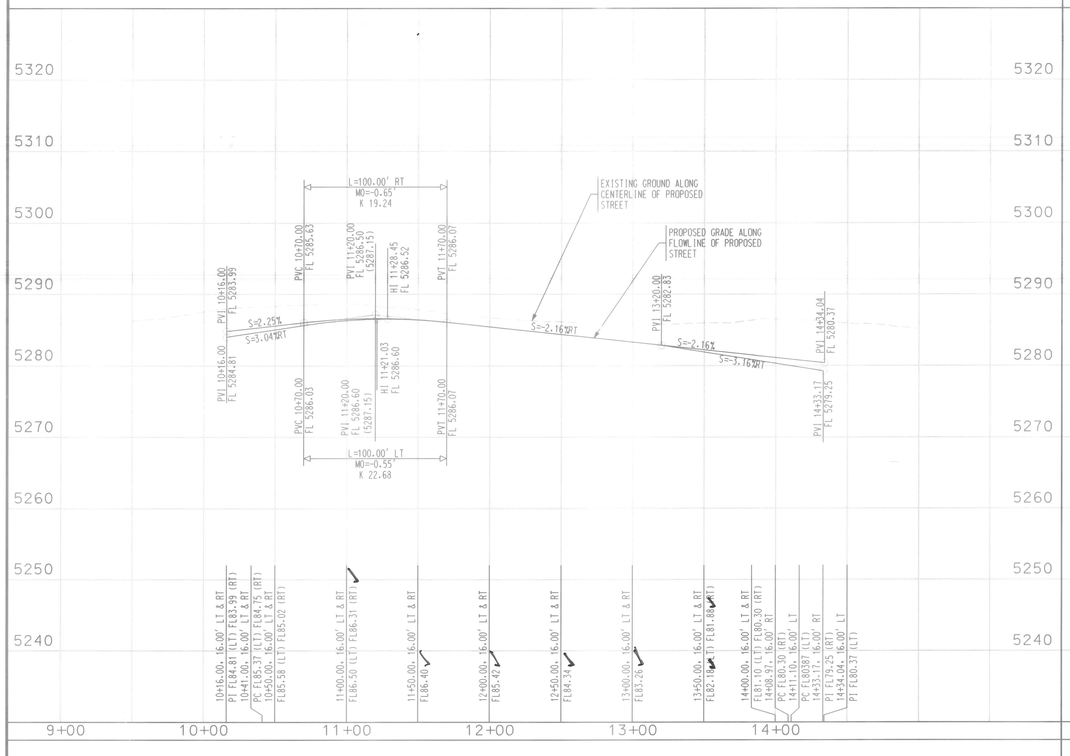
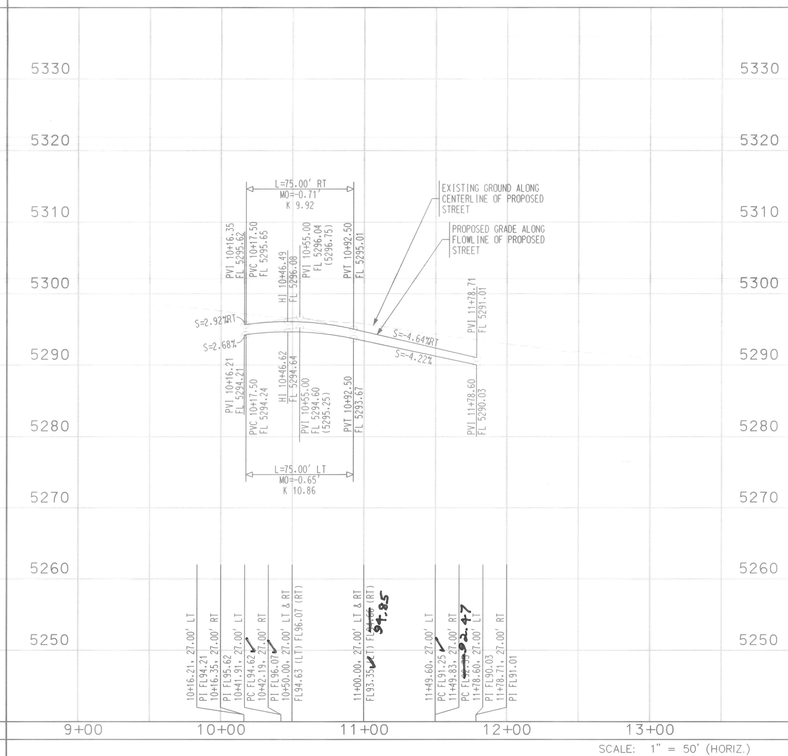
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED GENERAL NOTES

1. INSTALL 6' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL 12' CONCRETE VALLEY GUTTER AS PER STD. DWG. 2422
3. INSTALL WHEELCHAIR RAMP AS PER MODIFIED STD. DWG. 2441. CASE II WITH ALTERNATE SECTION AA AND AS PER DETAIL SHEET 4
4. STD. CURB & GUTTER AS PER STD. DWG. 2415A
5. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415B
6. ROLL CURB & GUTTER AS PER STD. DWG. 2415A
7. DEFERRED 4' SIDEWALK
8. BUILD 4' SIDEWALK N PER COA STD DWG 2430
9. BUILD 10' ASPHALT TRAIL UNLESS OTHERWISE NOTED
10. BUILD 4" TEXTURED MEDIAN PAVEMENT FROM MEDIAN NOSE TO 10' FROM NOSE (BAJA RED) PER STD DWG 2408 MEDIAN NOSES SHALL BE PAINTED YELLOW TO APPROX. 6' BEHIND PC/PT.





SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 04 0013

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

AS-BUILT INFORMATION
CONTRACTOR Malcolm Contreras
STAKED BY Precision Surveys
INSPECTOR'S FIELD TAKE BY SSC
VERIFICATION BY Precision Surveys
CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS STATION NAMED 4 - K6, 3 -1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,918.47, Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI. NORTH
OF I-40, 0.74 MI. SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CHRISTIAN J. SHOLTIS NEW MEXICO 16241 PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGNED BY	CJS	10/2003
DRAWN BY	BS	10/2003
CHECKED BY	CJS	10/2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
PAVING PLAN & PROFILE
KANAGA DRIVE AND SUNDORO STREET

DESIGN REVIEW COMMITTEE APPROVED MAR 11 2004 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL APPROVED APR 26 2004 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	7	13

SCANNED BY PLANNING

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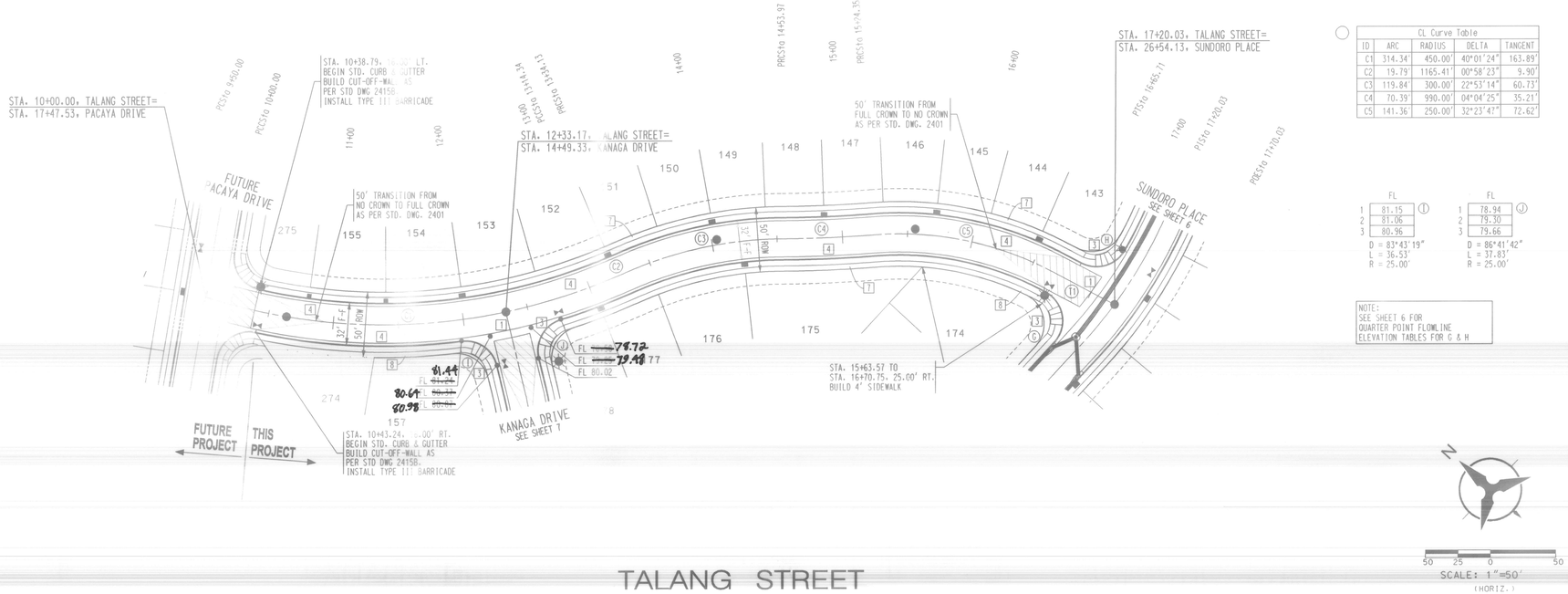


CL Tangent Table		
ID	BEARING	LENGTH
T1	N14°44'19"W	54.32'

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	314.34'	450.00'	40°01'24"	163.89'
C2	19.79'	1165.41'	00°58'23"	9.90'
C3	119.84'	300.00'	22°53'14"	60.73'
C4	70.39'	990.00'	04°04'25"	35.21'
C5	141.36'	250.00'	32°23'47"	72.62

	FL
1	81.15
2	81.06
3	80.96

D = 83°43'19"
L = 36.53'
R = 25.00'

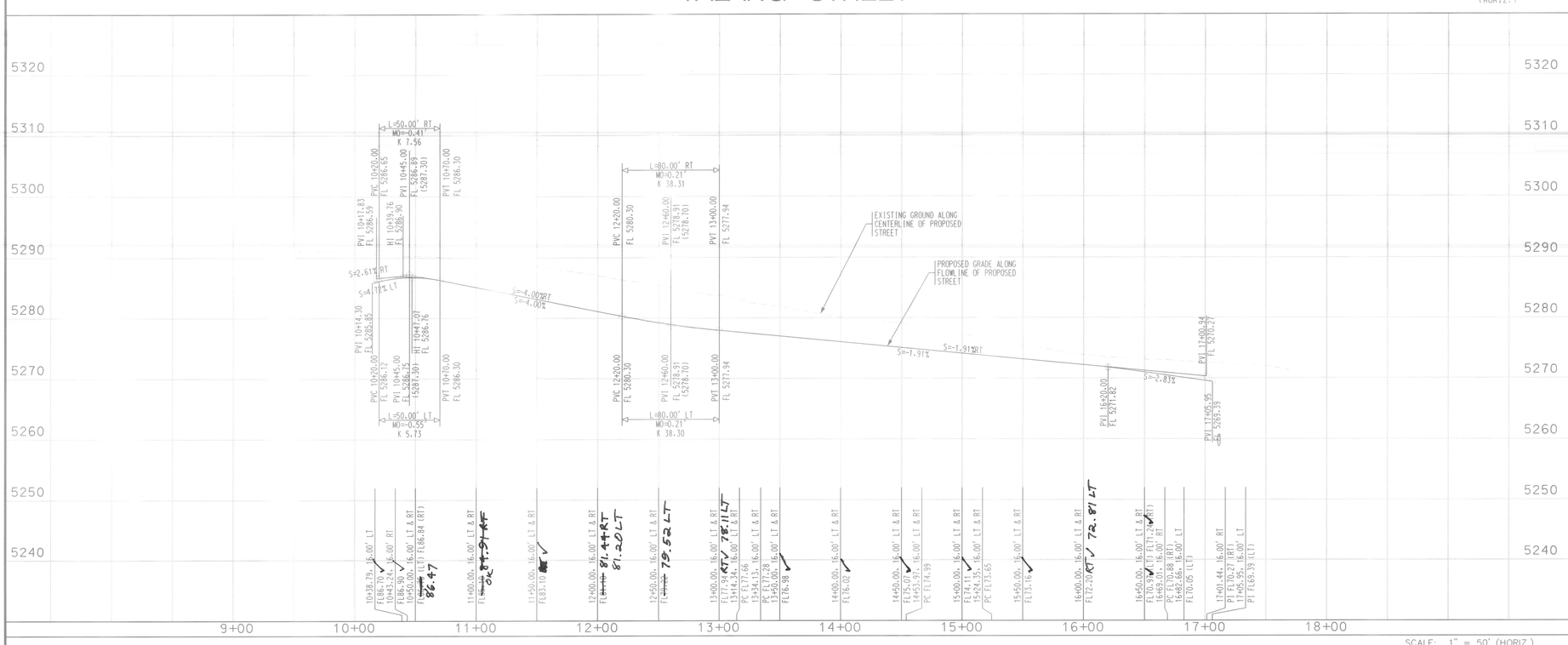
	FL
1	78.94
2	79.30
3	79.66

D = 86°41'42"
L = 37.83'
R = 25.00'

NOTE:
SEE SHEET 6 FOR
QUARTER POINT FLOWLINE
ELEVATION TABLES FOR G & H

SCALE: 1"=50'
(HORIZ.)

TALANG STREET



BHI JOB NO. 04 0013

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

KEYED GENERAL NOTES

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Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING · SPATIAL DATA · ADVANCED TECHNOLOGIES

AS-BUILT INFORMATION
CONTRACTOR Helmuth Lorenz
WORK STAKED BY Precision Surveys DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY Precision Surveys DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
ACS STATION NAMED 4 - K6, 3 -1/4" ALUM. CAP
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N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
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GROUND-TO-GRID FACTOR .0999656356
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ON PASED DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASED DEL VULCAN

FIELD NOTES SURVEY INFORMATION
NO. BY DATE

ENGINEER'S SEAL
CHRISTIAN J. SHOLTIS
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	CJS	DATE 10/2003
DRAWN BY	BS	DATE 10/2003
CHECKED BY	CJS	DATE 10/2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
PAVING PLAN & PROFILE
TALANG STREET

DESIGN REVIEW COMMITTEE: APPROVED MAR 11 2004 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 26 2004 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	8	13

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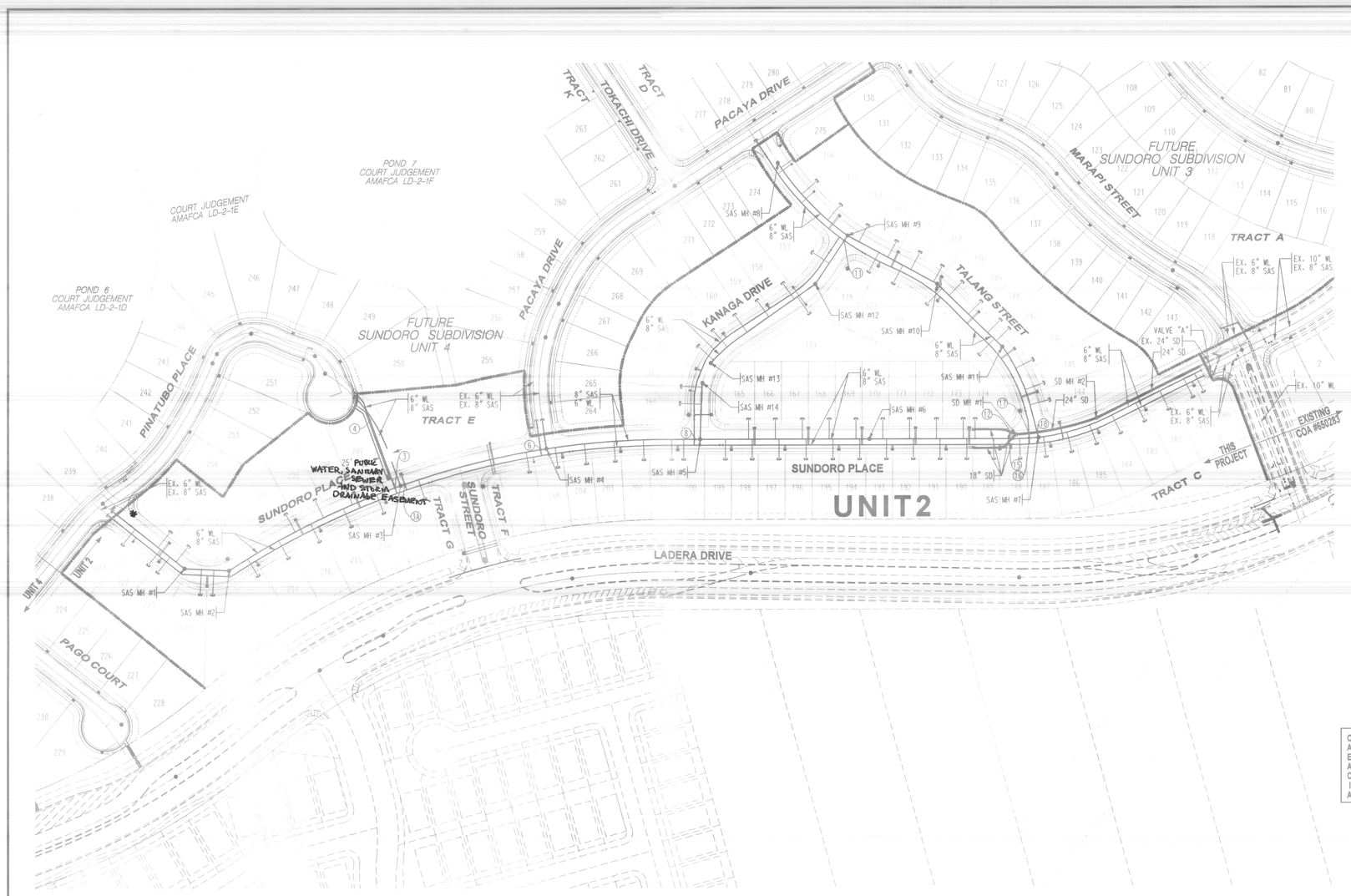
SCANNED BY PLANNING



UNIT 2 CROSSINGS

Crossings				
DES	SAS	SD	WL	Clearance
3	8" TP 90.72	- - - - - -	6" TP 95.16	3.89
	8" INV 90.00	- - - - - -	6" INV 94.62	
3A	8" TP 90.29	- - - - - -	6" TP 94.38	3.55
	8" INV 89.57	- - - - - -	6" INV 93.84	
4	8" TP 94.96	- - - - - -	6" TP 99.23	3.73
	8" INV 94.24	- - - - - -	6" INV 98.69	
6	8" TP 84.33	- - - - - -	6" TP 88.46	3.59
	8" INV 83.61	- - - - - -	6" INV 87.92	
8	8" TP 77.70	- - - - - -	6" TP 81.89	3.64
	8" INV 76.98	- - - - - -	6" INV 81.34	
11	8" TP 72.95	- - - - - -	6" TP 76.98	3.49
	8" INV 72.23	- - - - - -	6" INV 76.44	
12	8" TP 64.61	18" TP 68.47	- - - - - -	1.94
	8" INV 63.89	18" INV 66.55	- - - - - -	
15	- - - - - -	18" TP 69.08	6" TP 65.61	1.55
	- - - - - -	18" INV 67.16	6" INV 65.07	
16	8" TP 63.96	- - - - - -	6" TP 66.21	1.71
	8" INV 63.24	- - - - - -	6" INV 65.67	
17	- - - - - -	24" TP 61.89	6" TP 66.33	3.90
	- - - - - -	24" INV 59.39	6" INV 65.79	
18	8" TP 63.81	24" TP 61.61	- - - - - -	**1.47
	8" INV 63.09	24" INV 59.11	- - - - - -	

CONTRACTOR SHALL COORDINATE WITH ALL WET AND DRY UTILITY COMPANIES FOR EXACT LOCATIONS OF UTILITIES PRIOR TO ANY WORK WITHIN LADERA DRIVE. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY UPON THE DISCOVERY OF ANY DISCREPANCIES.

LEGEND

PROPOSED PHASE BOUNDARY	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED GATE VALVE	
EXISTING GATE VALVE	
PROPOSED SANITARY SEWER LINE	SAS
EXISTING SANITARY SEWER LINE	SAS
PROPOSED WATER LINE	W
EXISTING WATER LINE	W
PROPOSED SANITARY SEWER SERVICE	
PROPOSED WATER METER SERVICE	

- GATE VALVES AND BOXES AS PER COA STD DWGS 2326 & 2328
- WATER METERS AND SERVICES AS PER COA STD DWG 2362
- SANITARY SEWER SEVICES AS PER COA STD DWG 2125
- SEE SPECIFICATONS FOR WATER & SANITARY SEWER SERVICE INSTALLATION

CONTRACTOR WILL BE RESPONSIBLE FOR THE TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THE PROJECT.

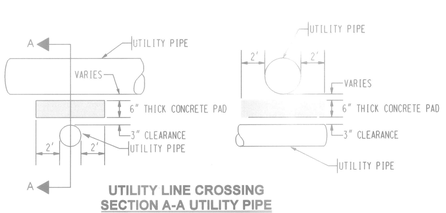
AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT PWD/WATER SYSTEM DIV. (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. CONTRACTOR SHALL NOT OPERATE CITY VALVES. WATER SHUT-OFF REQUIREMENTS:

WATER SHUT-OFF PLAN:

CLOSE VALVE

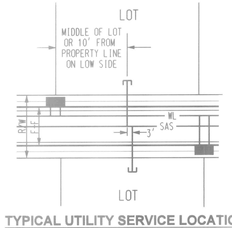
1. 8" NON-PRESSURE CONNECTION TO THE EXISTING 8" STUB-OUT IN SUNDORO PLACE @ MARAPI ST. BUILT WITH CPN 650283 — VALVE "A"

NOTE: VALVE "A" IS NOT SHOWN ON THE COA AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, AND FOR THIS REASON ARE LABELED AS SUCH FOR THIS PLAN ONLY. THE CONTRACTOR SHALL COORDINATE THE SHUT-OFF PLAN WITH THE OWNER.



UTILITY LINE CROSSING SECTION A-A UTILITY PIPE

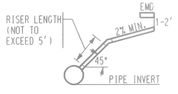
FOR LESS THAN 1.5' CLEARANCE BETWEEN PIPES (NOT TO SCALE)



TYPICAL UTILITY SERVICE LOCATION

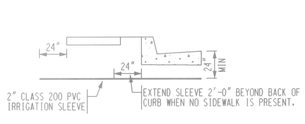
NO SCALE

SEE SAS SERVICE TABLES FOR EXACT LOCATIONS



SERVICE RISER DETAIL

(SERVICE CONNECTION * INSTALLATION TO CONFORM TO COA STD. DWG. 2134 USE CI SOIL PIPE ONLY)



IRRIGATION SLEEVES UNDER PAVING AND SIDEWALKS

NOT TO SCALE

BHI JOB NO. 04 0013

Bohannan ▲ Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION UNIT 2
OVERALL UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 11 2004 DESIGN REVIEW COMMITTEE	APPROVED APR 26 2004 CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	9	13

AS-BUILT INFORMATION
CONTRACTOR Helander Concrete
STAKED BY Precision Surveys
INSPECTOR'S REPORT BY CJC DATE 01-12-04
FIELD VERIFICATION BY Precision Surveys DATE 01-12-04
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

BENCH MARKS
ACS STATION NAMED 4 - K6, 3 -1/4" ALUM. CAP
HV18 m 4 - K6 GEOGRAPHIC POSITION (1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=336,918.47, Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
CHRISTIAN J. SHOLTS NEW MEXICO 10244 REGISTERED PROFESSIONAL ENGINEER
01-12-04

	BY	DATE
DESIGNED BY	CJS	10/2003
DRAWN BY	BS	10/2003
CHECKED BY	CJS	10/2003

REMARKS
REVISIONS
DESIGN

SCANNED BY PLANNING

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12-JAN-2004
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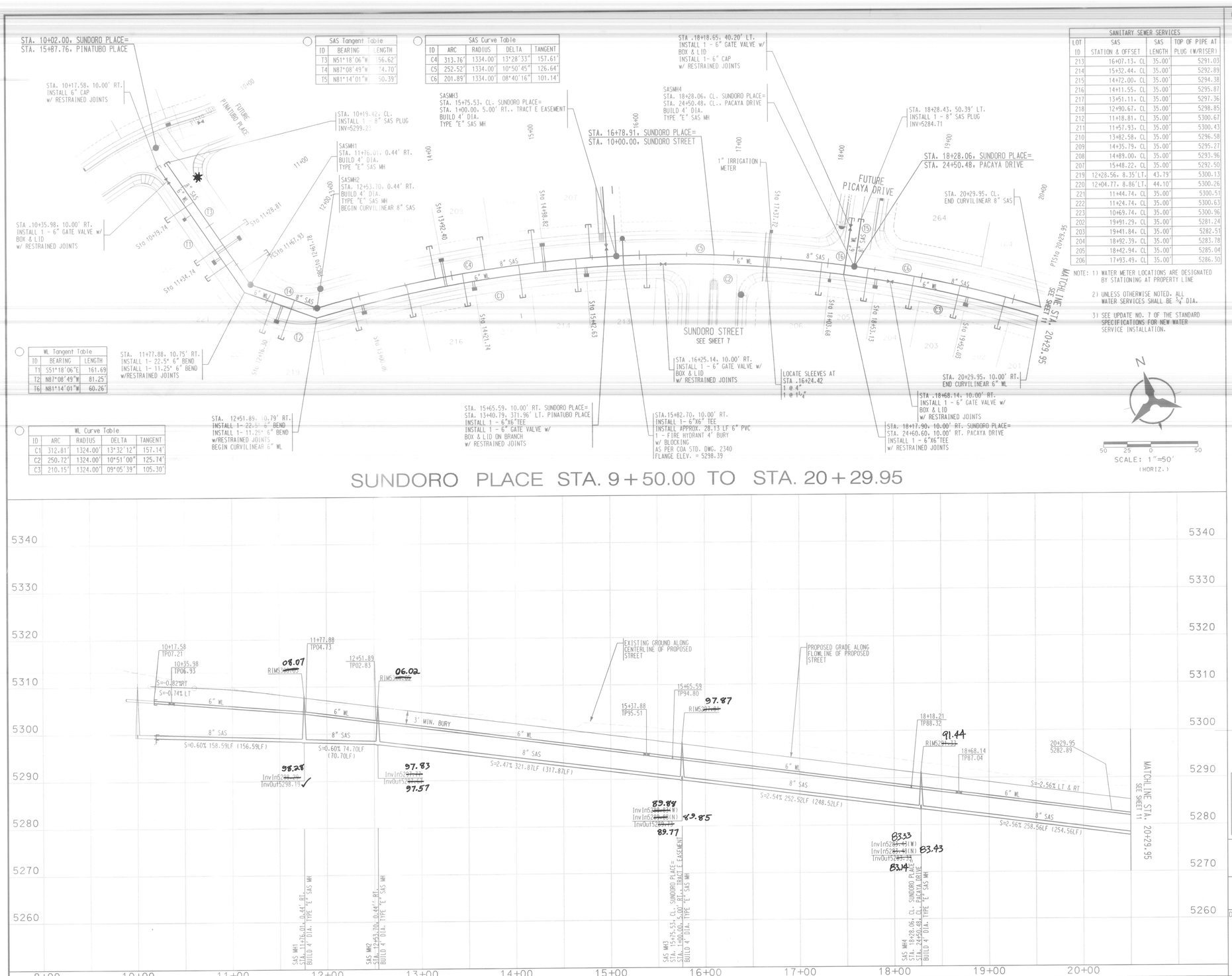

SAS Tangent Table		
ID	BEARING	LENGTH
T3	N51°18'06"W	156.62'
T4	N87°08'49"W	74.70'
T5	N81°14'01"W	50.39'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	313.76'	1334.00'	13°28'33"	157.61'
C5	252.52'	1334.00'	10°50'45"	126.64'
C6	201.89'	1334.00'	08°40'16"	101.14'

WL Tangent Table		
ID	BEARING	LENGTH
T1	S51°18'06"E	161.69
T2	N87°08'49"W	81.25'
T6	N81°14'01"W	60.26

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	312.81'	1324.00'	13°32'12"	157.14'
C2	250.72'	1324.00'	10°51'00"	125.74'
C3	210.15'	1324.00'	09°05'39"	105.30'

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
213	16+07.13, CL	35.00'	5291.03
214	15+32.44, CL	35.00'	5292.89
215	14+72.00, CL	35.00'	5294.38
216	14+11.55, CL	35.00'	5295.87
217	13+51.11, CL	35.00'	5297.36
218	12+90.67, CL	35.00'	5298.85
212	11+18.81, CL	35.00'	5300.67
211	11+57.93, CL	35.00'	5300.43
210	13+82.58, CL	35.00'	5296.58
209	14+35.79, CL	35.00'	5295.27
208	14+89.00, CL	35.00'	5293.96
207	15+48.22, CL	35.00'	5292.50
219	12+28.56, 8.35'LT.	43.79'	5300.13
220	12+04.77, 8.86'LT.	44.10'	5300.26
221	11+44.74, CL	35.00'	5300.51
222	11+24.74, CL	35.00'	5300.63
223	10+69.74, CL	35.00'	5300.96
202	19+91.29, CL	35.00'	5281.24
203	19+41.84, CL	35.00'	5282.51
204	18+92.39, CL	35.00'	5283.78
205	18+42.94, CL	35.00'	5285.04
206	17+93.49, CL	35.00'	5286.30

NOTE: 1) WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY LINE

2) UNLESS OTHERWISE NOTED: ALL WATER SERVICES SHALL BE ¾" DIA.

3) SEE UPDATE NO. 7 OF THE STANDARD SPECIFICATIONS FOR NEW WATER SERVICE INSTALLATION.

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
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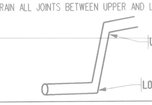
RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS 6"	8"	
6" X 6" TEE	1	-	
8" X 6" TEE	1	1	
8" X 8" CROSS	-	1	
8" X 6" REDUCER	-	30	
90° HORIZ. BEND	20	26	
45° HORIZ. BEND	8	11	
22.5° HORIZ. BEND	4	5	
11.25° HORIZ. BEND	2	3	
GATE VALVE/CAP	55	72	
22.5° VERT. BEND			
UPPER	-	14	
LOWER	-	2	

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IN ON LARGE SIDE ON ALL REDUCERS
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



SUNDORO PLACE STA. 9+50.00 TO STA. 20+29.95

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 04 0013

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12-JAN-2004
08:07

AS-BUILT INFORMATION

CONTRACTOR Hutchins Concrete
WORK STAKED BY Precision Surveys
ACCEPTANCE BY
DATE 04
FIELD LOCATION BY Precision Surveys
DRAWINGS CORRECTED BY
DATE
RECORDED BY
DATE
NO.
MICRO-FILM INFORMATION

BENCH MARKS

ACS STATION NAMED 4 - K6, 3-1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927).
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,318.47, Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6'
NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

CHRISTIAN J. SHOUTS
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	CJS	09/2003
DRAWN BY	BS	09/2003
CHECKED BY	CJS	09/2003

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
UTILTIY PLAN & PROFILE
SUNDORO PLACE STA. 9+50.00 – 20+29.95

DESIGN REVIEW COMMITTEE: APPROVED MAR 1 1 2004 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 2 6 2004 CITY ENGINEER
LAST DESIGN UPDATE: MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	10	13

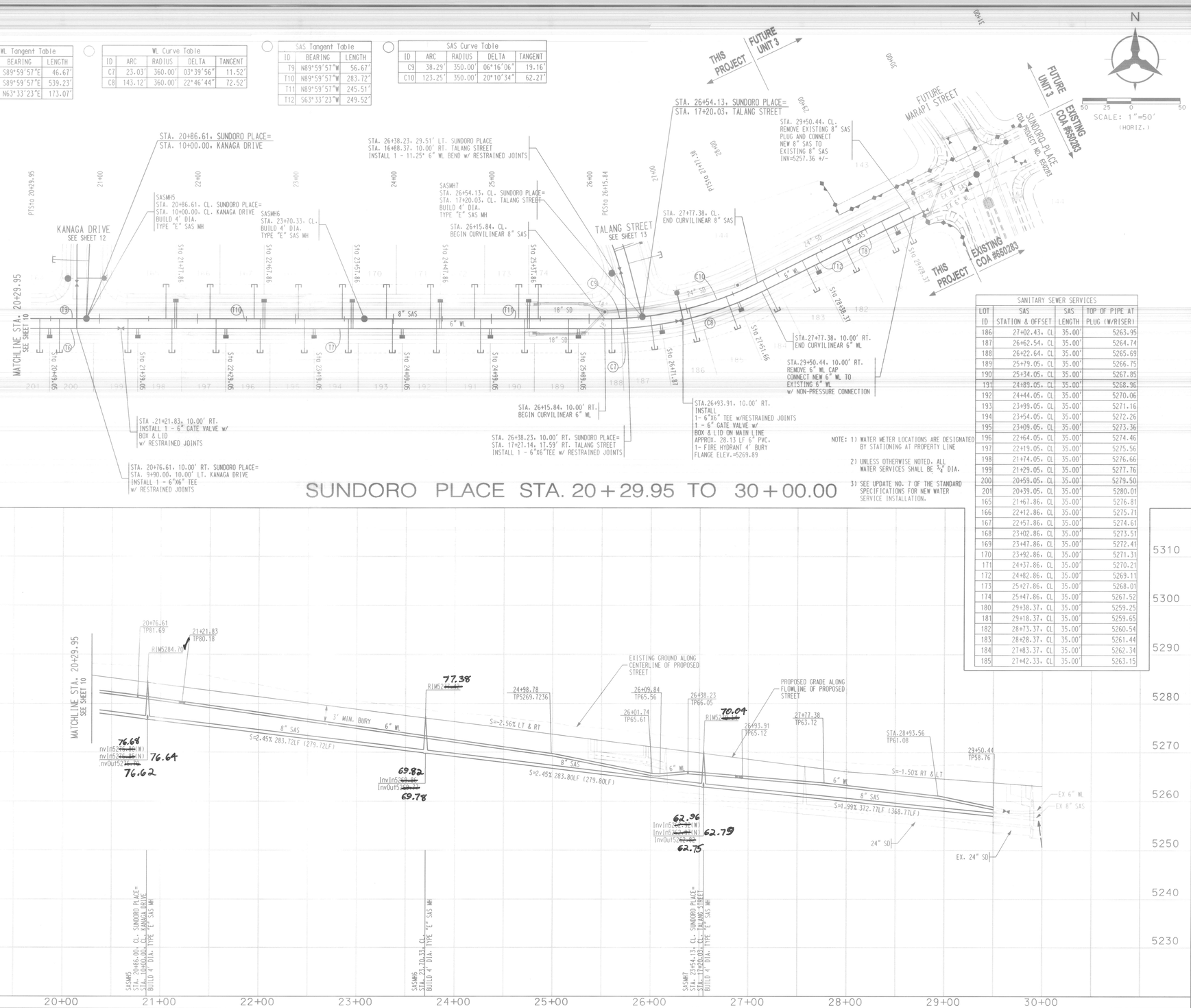
SCANNED BY PLANNING

WL Tangent Table		
ID	BEARING	LENGTH
T6	S89°59'57"E	46.67'
T7	S89°59'57"E	539.23'
T8	N63°33'23"E	173.07'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C7	23.03'	360.00'	03°39'56"	11.52'
C8	143.12'	360.00'	22°46'44"	72.52'

SAS Tangent Table		
ID	BEARING	LENGTH
T9	N89°59'57"W	56.67'
T10	N89°59'57"W	283.72'
T11	N89°59'57"W	245.51'
T12	S63°33'23"W	249.52'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C9	38.29'	350.00'	06°16'06"	19.16'
C10	123.25'	350.00'	20°10'34"	62.27'



SUNDORO PLACE STA. 20+29.95 TO 30+00.00

NOTE: 1) WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY LINE

2) UNLESS OTHERWISE NOTED, ALL WATER SERVICES SHALL BE $\frac{3}{4}$" DIA.

3) SEE UPDATE NO. 7 OF THE STANDARD SPECIFICATIONS FOR NEW WATER SERVICE INSTALLATION.

SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
186	27+02.43. CL	35.00'	5263.95
187	26+62.54. CL	35.00'	5264.74
188	26+22.64. CL	35.00'	5265.69
189	25+79.05. CL	35.00'	5266.75
190	25+34.05. CL	35.00'	5267.85
191	24+89.05. CL	35.00'	5268.96
192	24+44.05. CL	35.00'	5270.06
193	23+99.05. CL	35.00'	5271.16
194	23+54.05. CL	35.00'	5272.26
195	23+09.05. CL	35.00'	5273.36
196	22+64.05. CL	35.00'	5274.46
197	22+19.05. CL	35.00'	5275.56
198	21+74.05. CL	35.00'	5276.66
199	21+29.05. CL	35.00'	5277.76
200	20+59.05. CL	35.00'	5279.50
201	20+39.05. CL	35.00'	5280.01
165	21+67.86. CL	35.00'	5276.81
166	22+12.86. CL	35.00'	5275.71
167	22+57.86. CL	35.00'	5274.61
168	23+02.86. CL	35.00'	5273.51
169	23+47.86. CL	35.00'	5272.41
170	23+92.86. CL	35.00'	5271.31
171	24+37.86. CL	35.00'	5270.21
172	24+82.86. CL	35.00'	5269.11
173	25+27.86. CL	35.00'	5268.01
174	25+47.86. CL	35.00'	5267.52
180	29+38.37. CL	35.00'	5259.25
181	29+18.37. CL	35.00'	5259.65
182	28+73.37. CL	35.00'	5260.54
183	28+28.37. CL	35.00'	5261.44
184	27+83.37. CL	35.00'	5262.34
185	27+42.33. CL	35.00'	5263.15

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 04 0013

NOTES

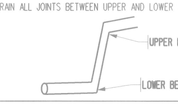
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS		
	6"	8"	
6" X 6" TEE	1	-	
8" X 6" TEE	1	1	
8" X 8" CROSS	-	1	
8" X 6" REDUCER	-	30	
90° HORIZ. BEND	20	26	
45° HORIZ. BEND	8	11	
22.5° HORIZ. BEND	4	5	
11.25° HORIZ. BEND	2	3	
GATE VALVE/CAP	55	72	
22.5° VERT. BEND			
UPPER	-	14	
LOWER	-	2	

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IN ON LARGE SIDE ON ALL REDUCERS
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



AS-BUILT INFORMATION
CONTRACTOR Maxeder Lopez
STAMPED BY Precision Surveys DATE 01
INSPECTOR
FIELD VERIFICATION BY Precision Surveys DATE 01
VERIFICATION
CORRECTED BY SSC DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STATION NAMED 4 - K6. 3-1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927).
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,918.47; Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

ENGINEER'S SEAL
CHRISTIAN J. SHOLLIS
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
01-12-04

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	CJS	DATE 09/2003
DRAWN BY	BS	DATE 09/2003
CHECKED BY	CJS	DATE 09/2003

Bohannan ▲ Huston
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING · SPATIAL DATA · ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
UTILITY PLAN & PROFILE
SUNDORO PLACE STA. 9+50.00 – 20+29.95

DESIGN REVIEW COMMITTEE: APPROVED MAR 1 1 2004 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 2 6 2004 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO. 650284 | ZONE MAP NO. J-8, J-9 | SHEET 11 OF 13

SCANNED BY PLANNING

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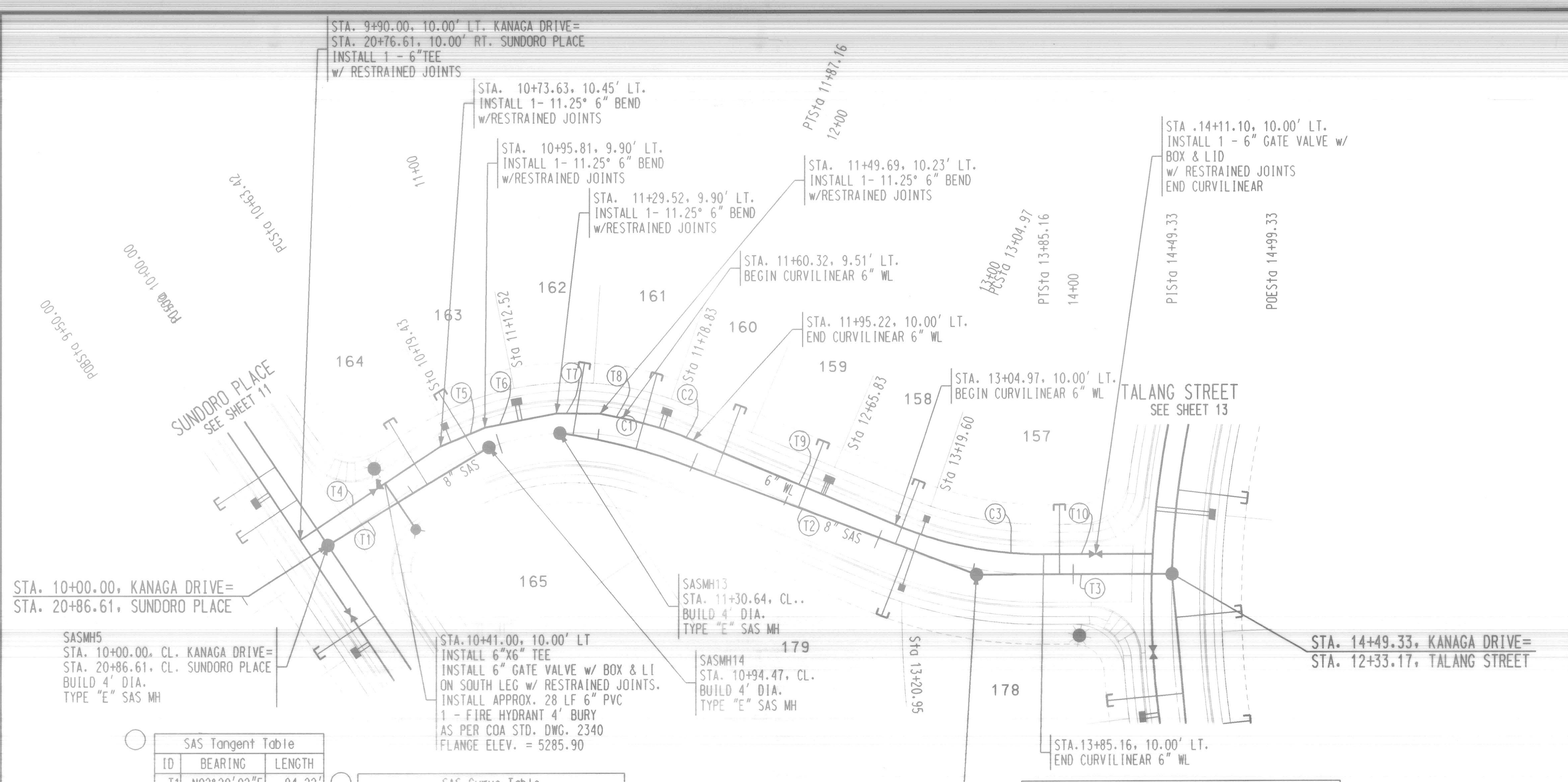
SCANNED BY PLANNING



SAS Tangent Table		
ID	BEARING	LENGTH
T1	N02°20'02"E	94.22'
T2	S54°36'09"W	157.45'
T3	S33°44'33"W	97.75'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	63.10'	275.00'	13°08'46"	31.69'

WL Tangent Table		
ID	BEARING	LENGTH
T4	N00°00'03"E	84.47'
T5	N11°04'20"E	23.96'
T6	N22°34'20"E	36.27'
T7	N34°04'20"E	21.78'
T8	N45°34'20"E	11.48'
T9	N56°43'03"E	109.74'
T10	N33°44'33"E	54.55'

WL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C2	36.96'	190.00'	11°08'43"	18.54'
C3	76.19'	190.00'	22°58'30"	38.61'

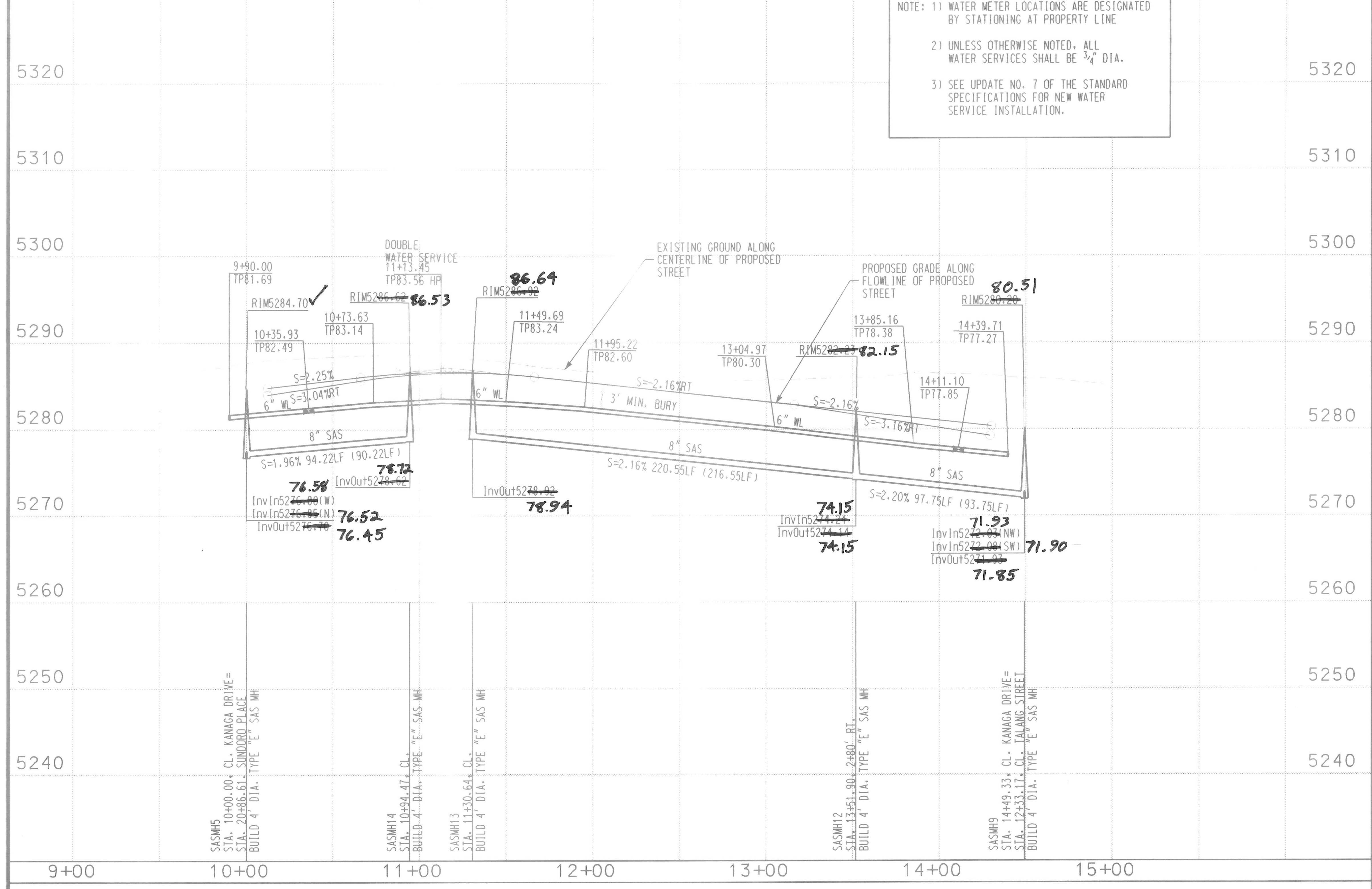
SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
179	13+15.27, 1.13'LT.	36.14'	5277.06
164	10+58.48, 2.38'RT.	37.41'	5280.05
163	10+87.71, 1.23'RT.	36.56'	5280.60
162	11+37.31, 1.15'RT.	36.50'	5280.89
161	11+70.16, 3.88'RT.	38.88'	5280.24
160	12+12.21, 2.41'RT.	37.43'	5279.32
159	12+57.15, 0.75'RT.	35.77'	5278.31
158	13+08.88, 1.12'LT.	33.88'	5277.16
157	13+93.10, CL	35.00'	5275.32

NOTE: 1) WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY LINE

2) UNLESS OTHERWISE NOTED, ALL WATER SERVICES SHALL BE 3/4" DIA.

3) SEE UPDATE NO. 7 OF THE STANDARD SPECIFICATIONS FOR NEW WATER SERVICE INSTALLATION.

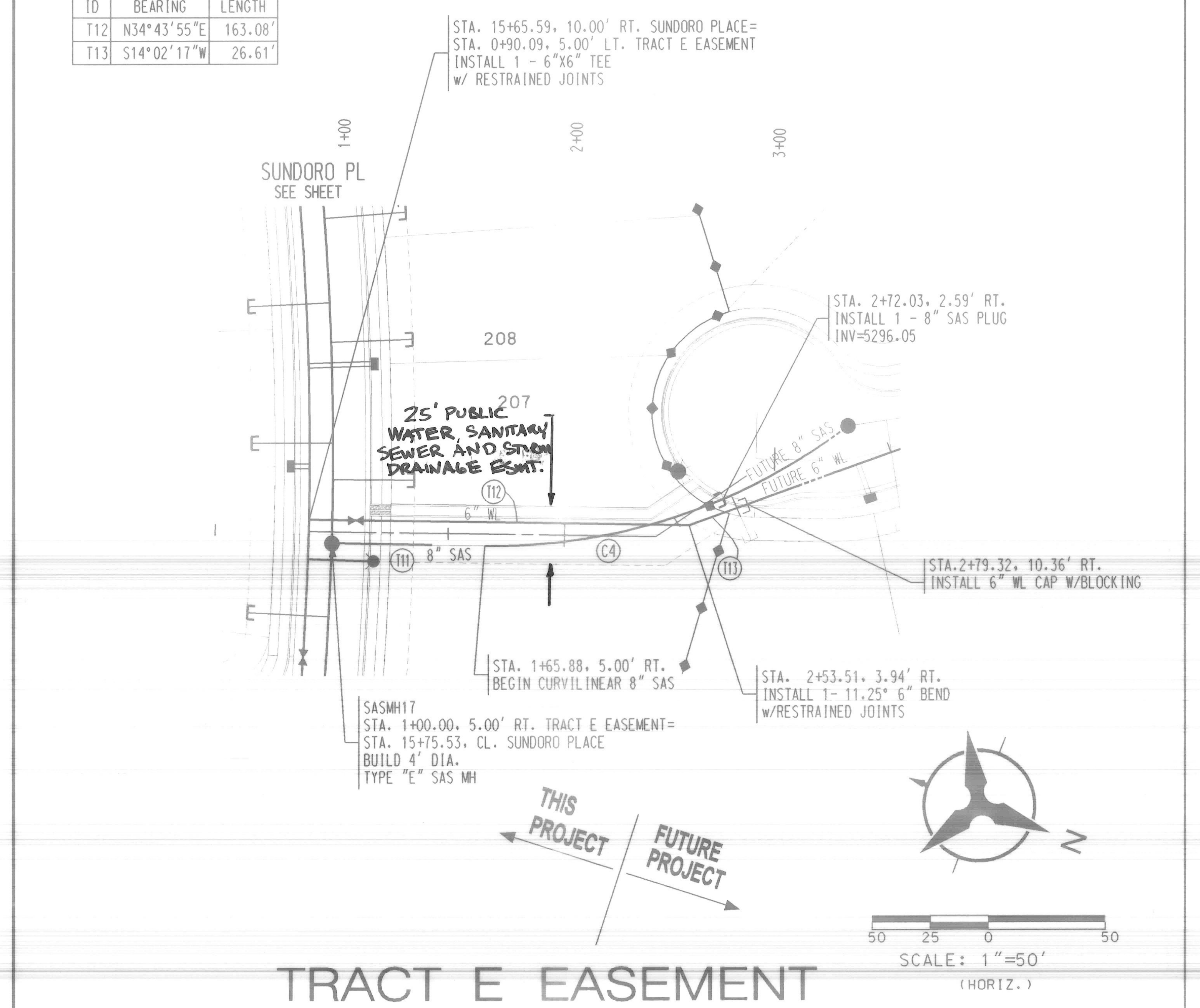
KANAGA DRIVE



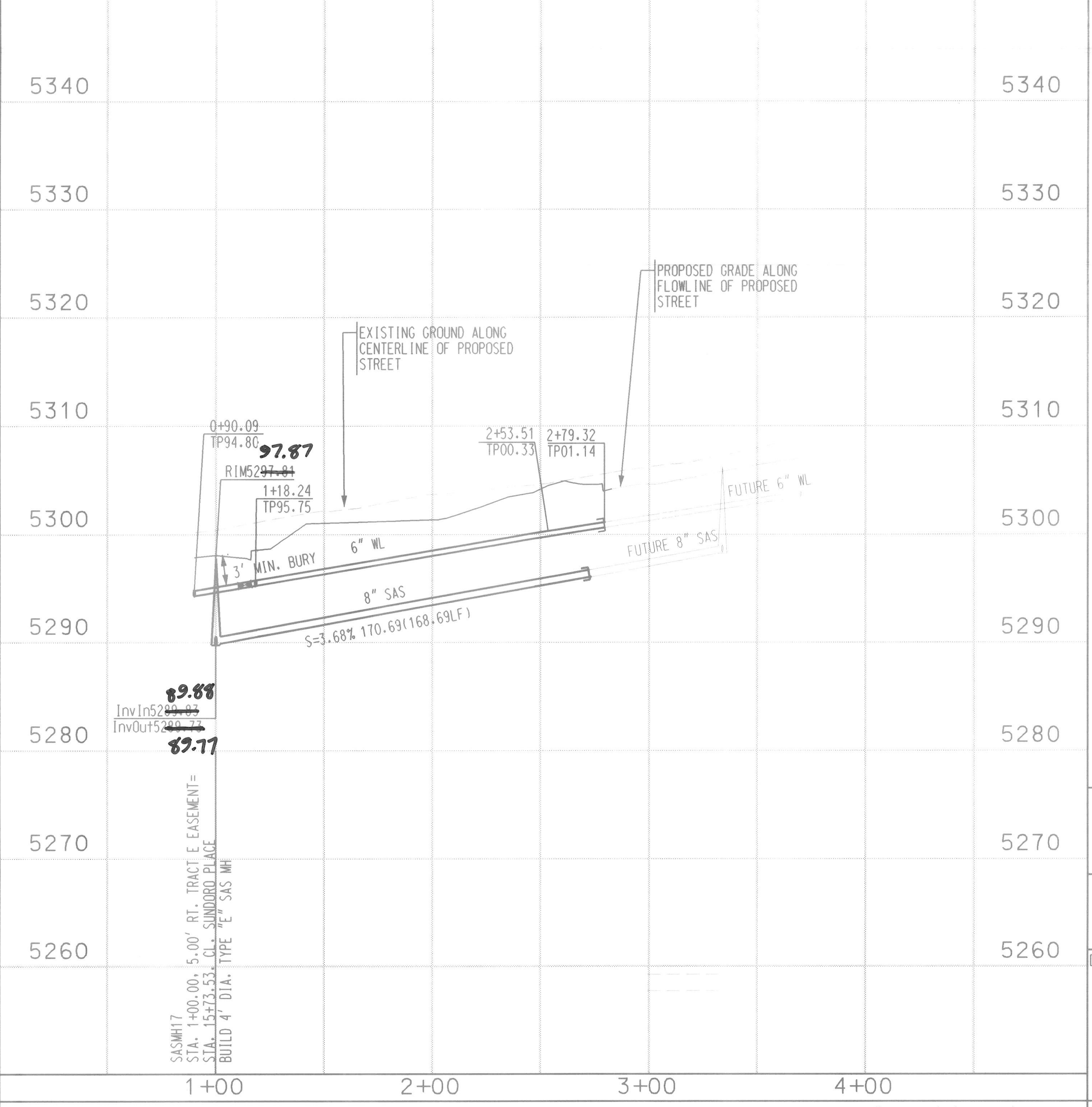
SAS Tangent Table		
ID	BEARING	LENGTH
T11	N20°16'05"W	63.88'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C4	104.80'	250.00'	22°91'82"	53.18

WL Tangent Table		
ID	BEARING	LENGTH
T12	N34°43'55"E	163.08'
T13	S14°02'17"W	26.61'



TRACT E EASEMENT



SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 04 0013

*040013upnp08.dgn
*040013upnp08.dgn
12-JAN-2004

NOTES

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF OF ANY DISCREPANCIES.
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3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
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12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS		
	6"	8"	
6" X 6" TEE	1	-	
8" X 6" TEE	1	1	
8" X 8" CROSS	-	1	
8" X 6" REDUCER	-	30	
90° HORIZ. BEND	20	26	
45° HORIZ. BEND	8	11	
22.5° HORIZ. BEND	4	5	
11.25° HORIZ. BEND	2	3	
GATE VALVE/CAP	55	72	
22.5° VERT. BEND			
UPPER	-	14	
LOWER	-	2	

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IN ON LARGE SIDE ON ALL REDUCERS
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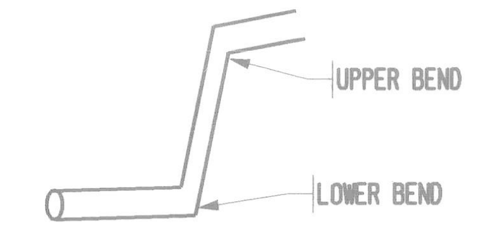

Bohannan ▲ Huston Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

AS-BUILT INFORMATION
CONTRACTOR Melendez Concrete
WORK STAKED BY Precision Surveys
INSPECTOR'S ACCEPTANCE BY JEC DATE 04
FIELD VERIFICATION BY Precision Surveys DATE 2004
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STATION NAMED 4 - K6, 3 -1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=3,369,918.47,Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
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ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6'
NW OF CENTERLINE OF PASEO DEL VULCAN

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CHRISTIAN J. SHOLTIS
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	BY	REMARKS	
			REVISIONS	
			DESIGN	
			DESIGNED BY CJS	DATE 03/2003
			DRAWN BY BS	DATE 09/2003
			CHECKED BY CJS	DATE 09/2003

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION - UNIT 2
UTILITY PLAN & PROFILE
KANAGA DRIVE AND TRACT E EASEMENT

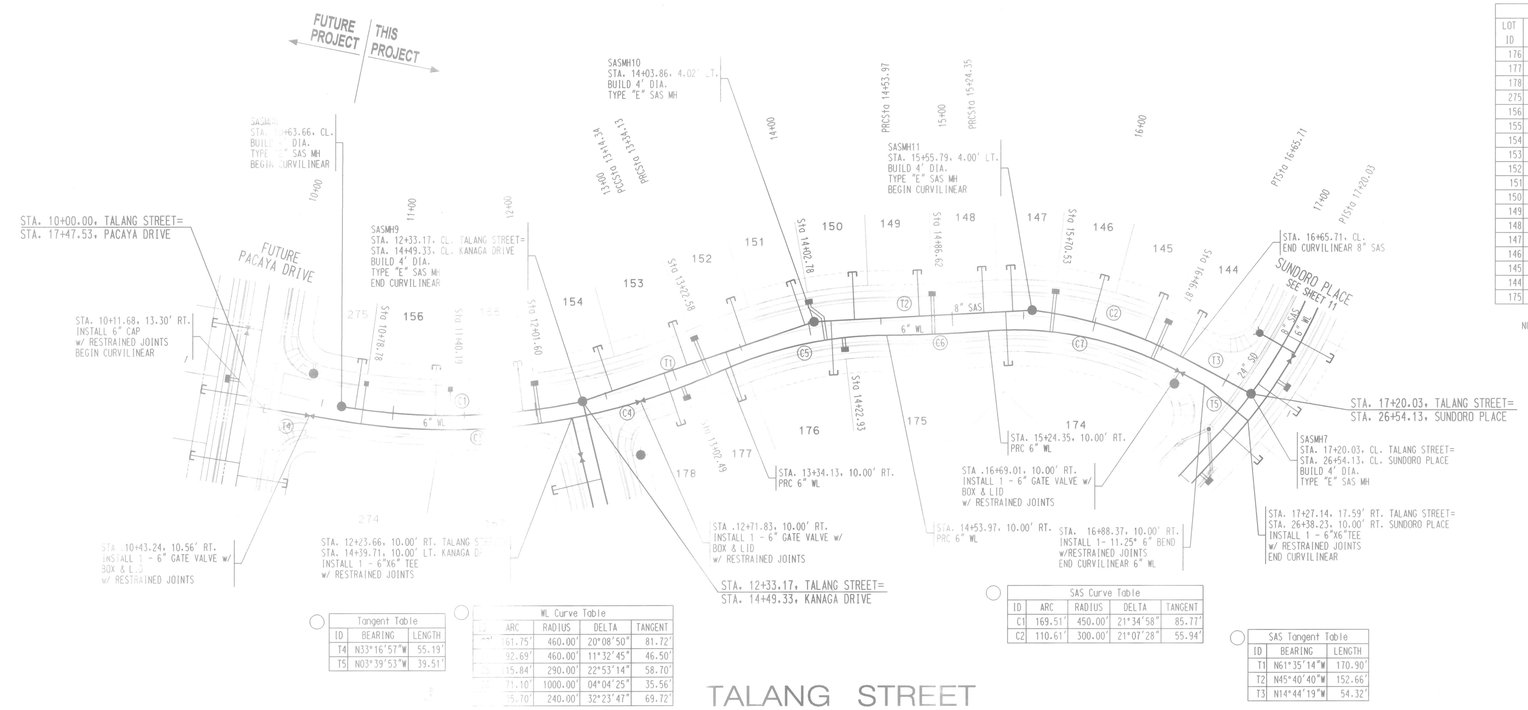
DESIGN REVIEW COMMITTEE
APPROVED
MAR 1 1 2004
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
APR 2 6 2004
CITY ENGINEER

LAST DESIGN UPDATE

MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 650284
ZONE MAP NO. J-8, J-9
SHEET 12 OF 13



SANITARY SEWER SERVICES			
LOT ID	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)
176	14+15.55, 2.81'LT.	37.95'	5270.26
177	13+39.22, 0.84'LT.	35.91'	5271.78
178	12+93.47, 3.27'LT.	38.27'	5272.80
275	10+73.36, CL	35.00'	5280.65
156	11+29.60, CL	35.00'	5278.30
155	11+91.01, CL	35.00'	5275.75
154	12+55.02, 2.12'LT.	32.97'	5273.51
153	13+10.51, 2.73'LT.	32.31'	5272.32
152	13+54.09, 0.32'LT.	34.68'	5271.44
151	13+97.43, 3.06'LT.	32.20'	5270.46
150	14+31.88, 1.90'LT.	33.11'	5269.96
149	14+77.11, 2.88'LT.	32.13'	5269.39
148	15+22.35, 2.85'LT.	32.15'	5268.84
147	15+42.45, 3.00'LT.	32.03'	5268.60
146	15+98.31, 1.51'LT.	33.52'	5267.52
145	16+37.21, 0.27'LT.	34.73'	5266.72
144	16+63.97, CL	35.00'	5266.16
175	15+37.44, 2.82'LT.	37.83'	5268.77

NOTE: 1) WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY LINE

2) UNLESS OTHERWISE NOTED, ALL WATER SERVICES SHALL BE ¾" DIA.

3) SEE UPDATE NO. 7 OF THE STANDARD SPECIFICATIONS FOR NEW WATER SERVICE INSTALLATION.

Tangent Table		
ID	BEARING	LENGTH
T4	N33°16'57"W	55.19'
T5	N03°39'53"W	39.51'

WL Curve Table			
ARC	RADIUS	DELTA	TANGENT
161.75'	460.00'	20°08'50"	81.72'
92.69'	460.00'	11°32'45"	46.50'
115.84'	290.00'	22°53'14"	58.70'
71.10'	1000.00'	04°04'25"	35.56'
15.70'	240.00'	32°23'47"	69.72'

SAS Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	169.51'	450.00'	21°34'58"	85.77'
C2	110.61'	300.00'	21°07'28"	55.94'

SAS Tangent Table		
ID	BEARING	LENGTH
T1	N61°35'14"W	170.90'
T2	N45°40'40"W	152.66'
T3	N14°44'19"W	54.32'

SCALE: 1"=50'
(HORIZ.)

NOTES

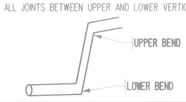
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
4. GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
5. CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMO AT THE END OF EACH SANITARY SEWER SERVICE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

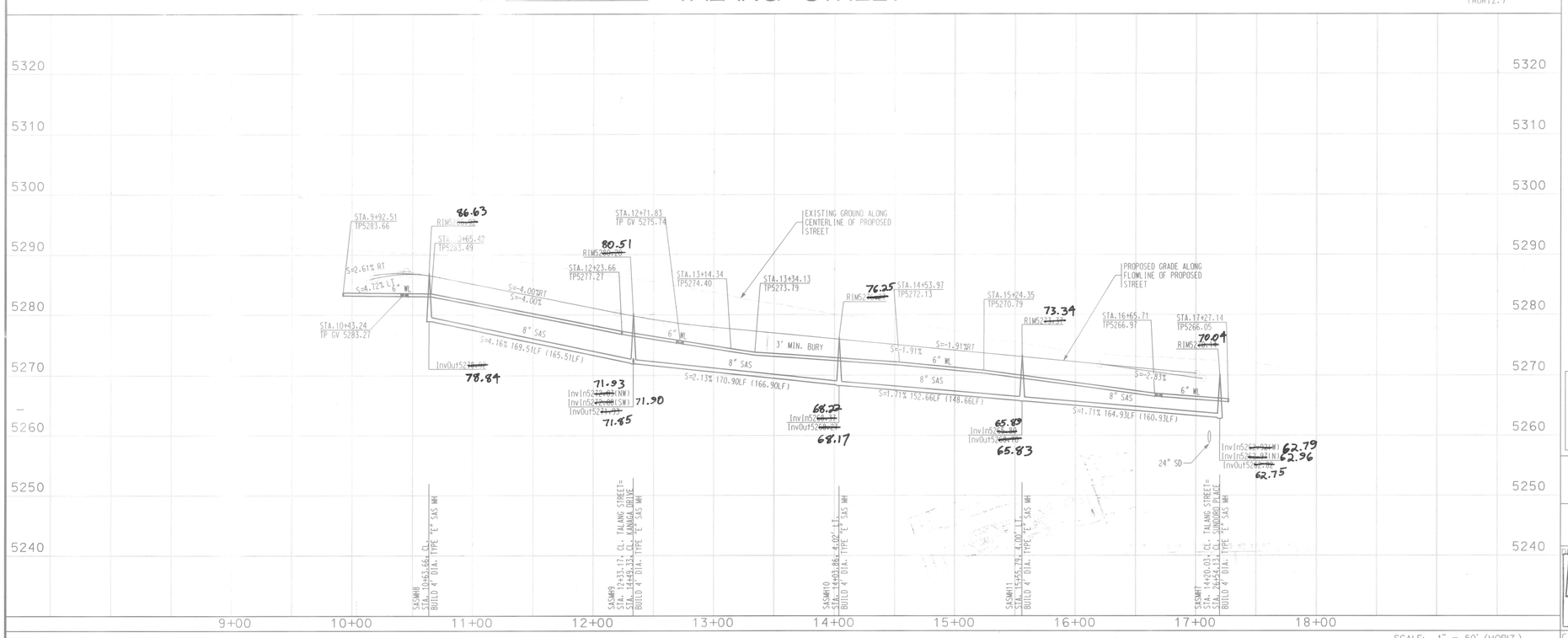
RESTRAINING JOINT TABLE

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS		
	6"	8"	
6" X 6" TEE	1	-	
8" X 6" TEE	1	1	
8" X 8" CROSS	-	1	
8" X 6" REDUCER	-	30	
90° HORIZ. BEND	20	26	
45° HORIZ. BEND	8	11	
22.5° HORIZ. BEND	4	5	
11.25° HORIZ. BEND	2	3	
GATE VALVE/CAP	55	72	
22.5° VERT. BEND			
UPPER	-	14	
LOWER	-	2	

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE PCC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IN ON LARGE SIDE ON ALL REDUCERS
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.





SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 04 0013

Bohannan ▲ Huston INC
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

SUNDORO SUBDIVISION – UNIT 2
PAVING PLAN & PROFILE
TALANG STREET

DESIGN REVIEW COMMITTEE: APPROVED MAR 11 2004 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED APR 26 2004 CITY ENGINEER
LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
650284	J-8, J-9	13	13

AS-BUILT INFORMATION
CONTRACTOR Palomar Concrete
STAKED BY Precision Surveys
INSPECTOR'S ACCEPTANCE BY SJC DATE 01-12-04
FIELD VERIFICATION BY Precision Surveys DATE 01-12-04
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STATION NAMED 4 - K6. 3 -1/4" ALUM. CAP
HV18 = 4 - K6 GEOGRAPHIC POSITION (1927)
N.M. STATE PLANE COORDINATES (CENTRAL ZONE)
X=2,369,918.47; Y=1,483,515.05
GROUND-TO-GRID FACTOR .0999656356
NGVD 1929 ELEVATION = 5732.892
ON PASEO DEL VULCAN, 0.91 MI NORTH
OF I-40, 0.74 MI SOUTH OF POWERLINES, 39.6' NW OF CENTERLINE OF PASEO DEL VULCAN

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CHRISTIAN W. SHOLTIS
NEW MEXICO
16244
REGISTERED PROFESSIONAL ENGINEER
01-12-04

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	CJS	DATE 09/2003
DRAWN BY	BS	DATE 09/2003
CHECKED BY	CJS	DATE 09/2003

SCANNED BY PLANNING

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12-JAN-2004
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