

PLANS FOR CONSTRUCTION OF

VOLCANO BUSINESS PARK

ALBUQUERQUE, NEW MEXICO

MAY, 1998

INDEX TO DRAWINGS

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6	OURAY ROAD NW. LEFT TURN LANE PLAN & PROFILE
7	PAINTED ROCK DRIVE NW. UTILITY PLAN & PROFILE
8	TRAFFIC CONTROL DETAILS
9	TRAFFIC CONTROL DETAILS
10	GRADING & DRAINAGE PLAN

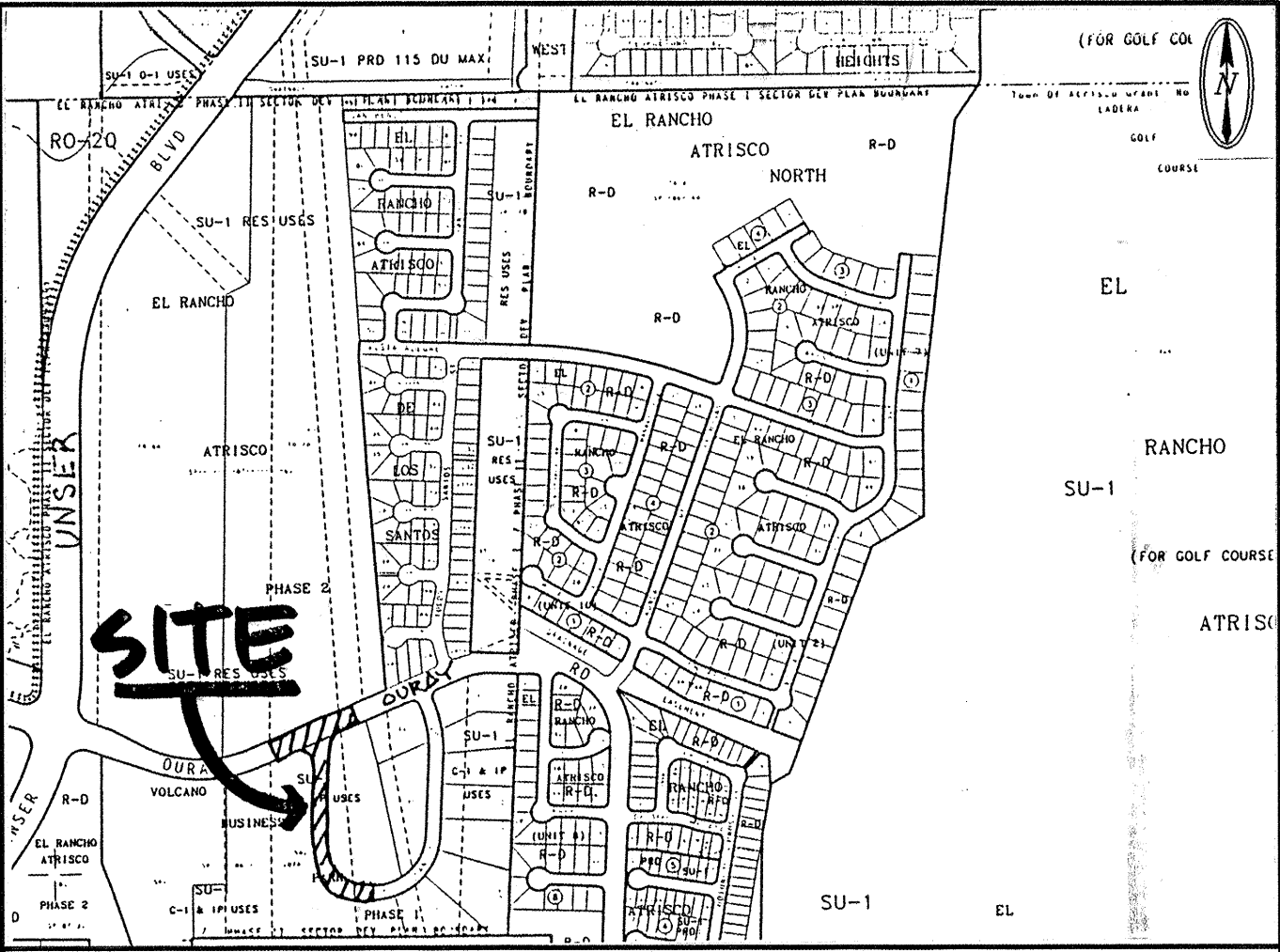
APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Bo Chang
DATE 4-16-99

THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF BRASHER & LORENZ, INC., AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF BRASHER & LORENZ, INC.

DRB 97-450

BL BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE Building 1 Suite 210
Albuquerque, New Mexico 87110
Ph: 505-998-6088 Fax: 505-998-6188

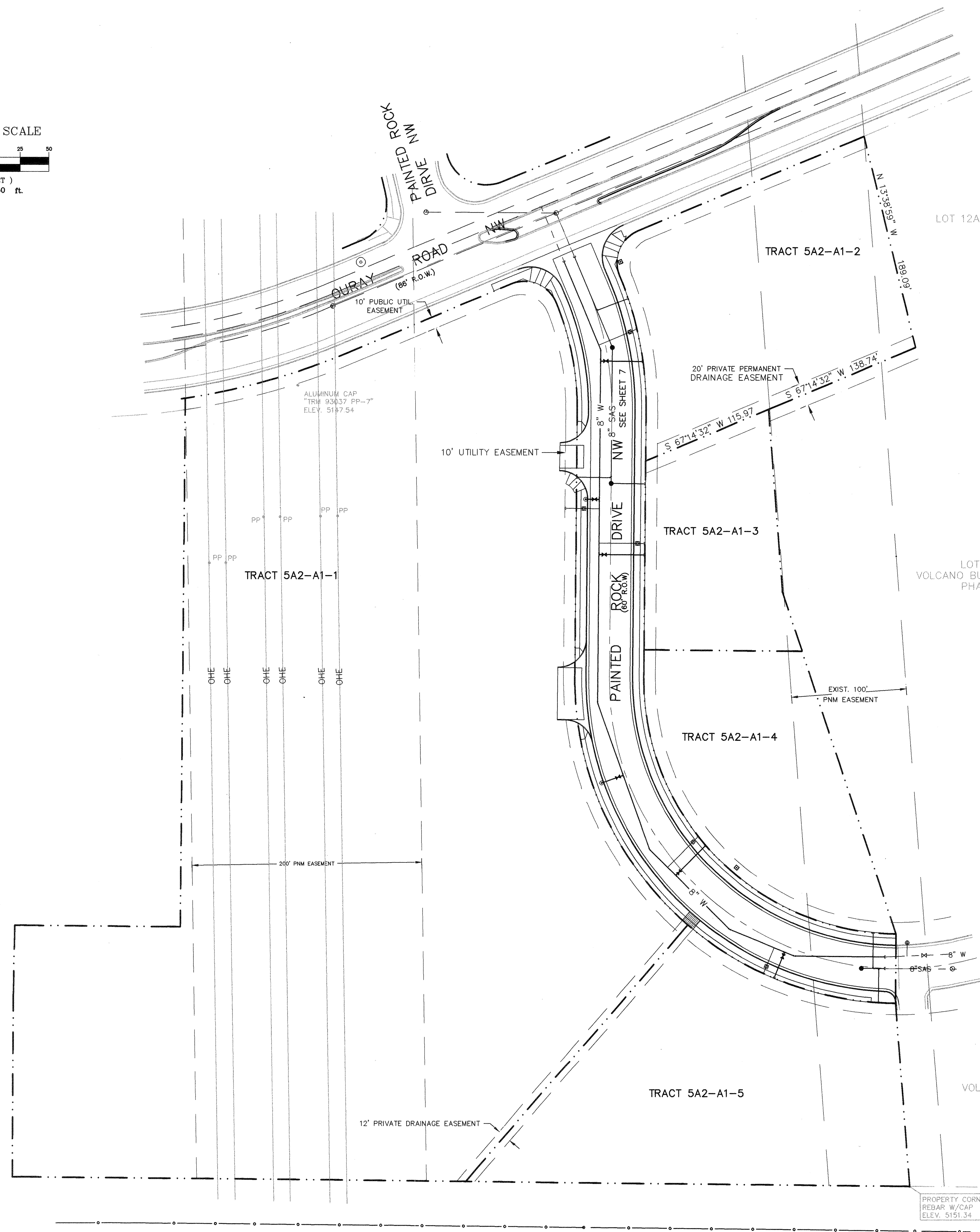
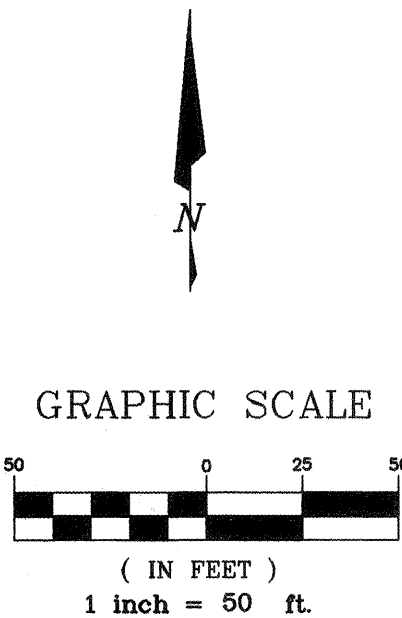


VICINITY MAP: G-10 SCALE: 1"=750'

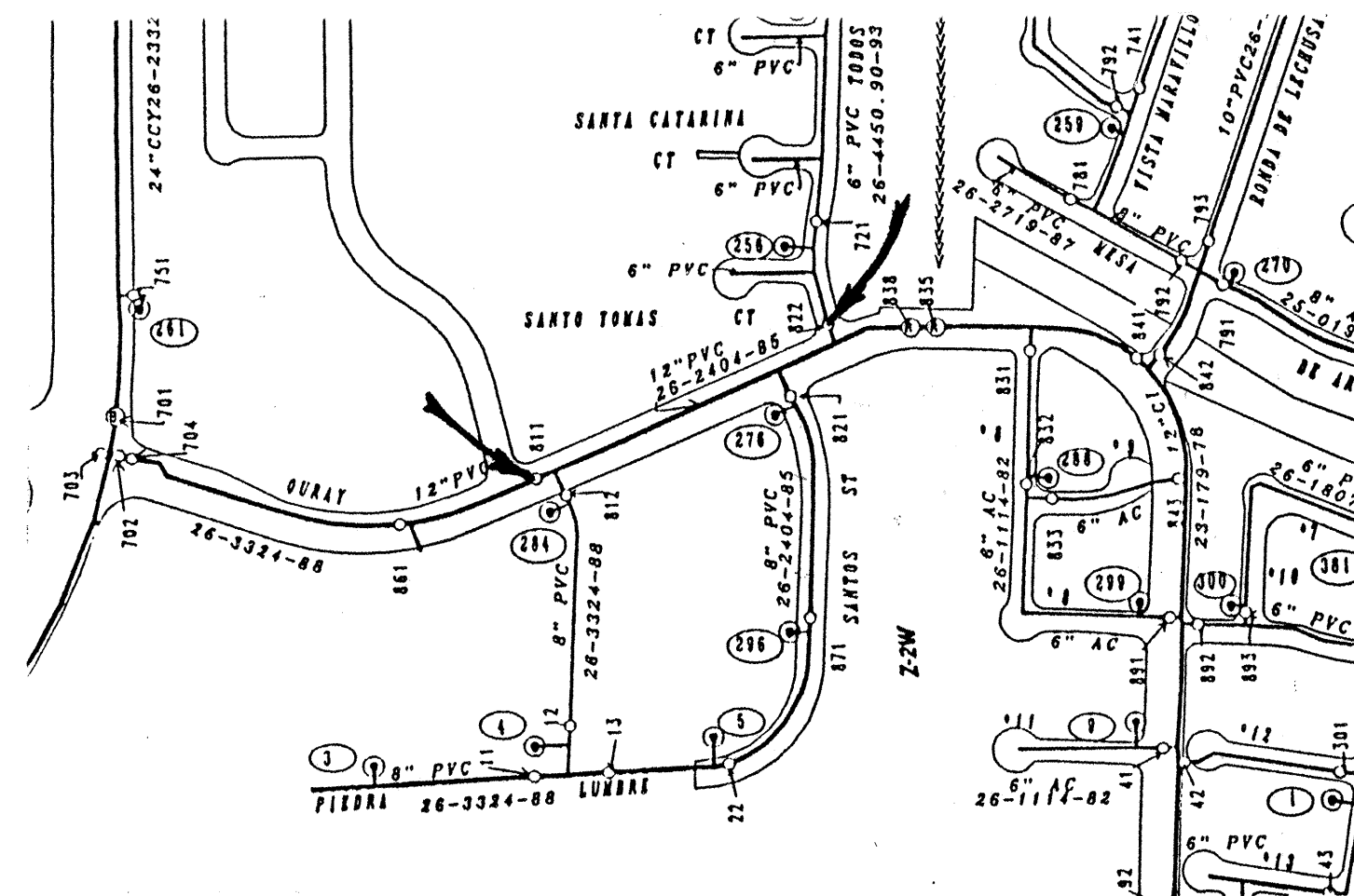
GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" (COA STD). THROUGH UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY, PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS". THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- REFERENCE MADE TO STANDARD DRAWINGS REFER TO ALBUQUERQUE STANDARD DRAWINGS.
- ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.
- WATERLINE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STD. DWG. 2301.
- WATER METERS ARE TO BE INSTALLED AT ALL SERVICES IN ACCORDANCE WITH CITY STD. DWG. 2362 AND 2363.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY OF ALBUQUERQUE AND PREPARED BY BRASHER & LORENZ, INC.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION, IF OVERHEAD UTILITY LINES SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM TH CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED ON THE PLANSET.
- ANY WORK OCCURRING IN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	*****			
		DRG Chairman		<i>Billy G. Sanchez</i>		8-12-98	APPROVED FOR CONSTRUCTION			
		Transportation		<i>R.W. Rame</i>		7-2-98				
		Water/Wastewater		<i>R.W. Rame</i>		7-2-98				
		Hydrology		<i>Phasing</i>		7/2/98				
		CIP		<i>Phasing</i>		7/2/98				
		Constr. Mngmt.		<i>Phasing</i>		6-3-98	City Engineer Date			
		Constr. Coord.		<i>Phasing</i>		6-3-98				
		CITY PROJECT NO.		585681			SHEET 1 OF 10			



ITEM	EXISTING	PROPOSED
WATERLINE	— 6" W — — 8" SAS —	— 6" W — — 8" SAS —
SANITARY SEWER	— 36" SD —	— 24" SD —
STORM SEWER	⊙	⊙
FIRE HYDRANT	⊙	⊙
VALVE	⋈	⋈
WATER SERVICE (SINGLE)	—	⊙
WATER SERVICE (DOUBLE)	—	⊙
MANHOLE	— ○ —	— ● —
CURB	—	—
DROP INLET	—	—
OVERHEAD ELEC.	— OHE —	— OHE —
UNDERGROUND ELEC.	— UGT —	— UGT —
GAS, TEL.	—	—
FLOWLINE ELEV.	— FL 0.14 —	— FL 0.14 —
TOP OF CURB ELEV.	— 99.3 —	— 99.31 —
SPOT ELEV.	— × 16.7 —	— ⊕ 16.7 —
SEWER SERVICE	— —	— —
RIGHT OF WAY	— · · —	— · · —
POWER POLE (GUYED)	— PP —	— PP —
CHAIN LINK FENCE	— x —	— x —
CENTERLINE	—	—
RETAINING WALL	— V V V —	— V V V —
TOP OF PAVEMENT ELEV.	— TA 16.2 —	— TA 16.2 —
STORM DRAIN	—	—
FENCE	—	—



WATER SHUT OFF - PLAN

1. VALVES, HYDRANTS, AND APPURTENANCES OF THE CITY WATER SYSTEM SHALL BE OPERATED BY CITY PERSONNEL ONLY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NONPRESSURIZED CONNECTION PLAN.
3. SYSTEM SHUTDOWN SHALL BE ACCOMPLISHED BY CLOSING VALVE (A).
4. ANTICIPATED SHUTDOWN DURATION IS 8 HOURS.

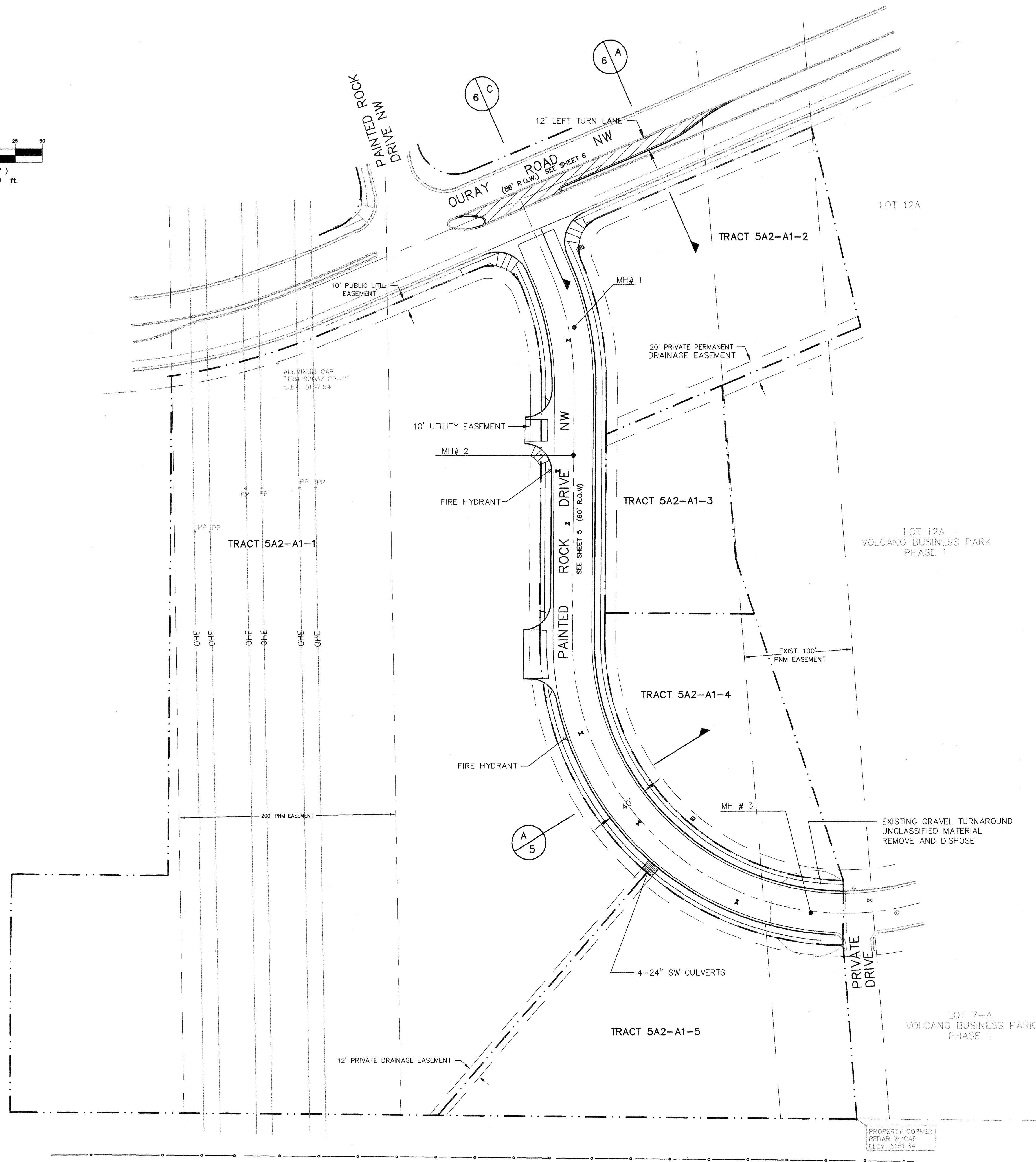
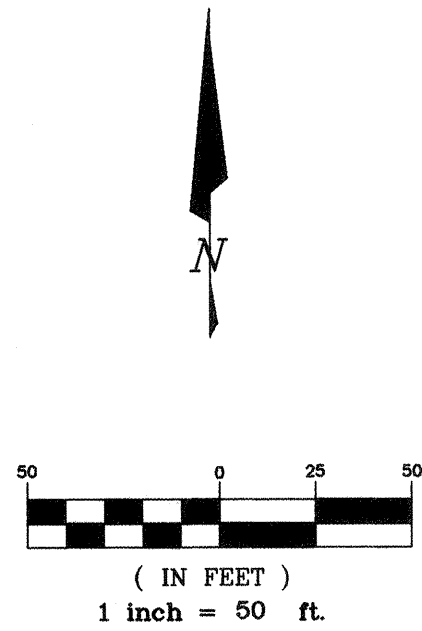
BLI BRASHER & LORENZ, INC.
Consulting Engineers

2201 San Pedro Building 1 Suite 210
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Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE:	VOLCANO BUSINESS PARK UTILITIES LAYOUT PLAN

Planning Review Committee APPROVED AUG 12 1998 DESIGN REVIEW COMMITTEE		City Engineer Approval		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	585681	Zone Map No.	G-10	Sheet	3	Of 10

SCANNED BY
MESA REPORT



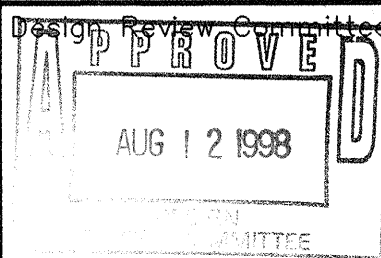
LEGEND		
ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT	⊙	⊙
VALVE	⋈	⋈
WATER SERVICE (SINGLE)	—	—
WATER SERVICE (DOUBLE)	—	—
MANHOLE	—	—
CURB	—	—
DROP INLET	—	—
OVERHEAD ELEC.	OHE	OHE
UNDERGROUND ELEC. GAS, TEL, TV	UGT	UGT
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	16.7	16.7
SEWER SERVICE	—	—
RIGHT OF WAY	—	—
POWER POLE (GUYED)	PP	PP
CHAIN LINK FENCE	—	—
CENTERLINE	—	—
RETAINING WALL	—	—
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
STORM DRAIN	—	—
FENCE	—	—

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE		
CONTRACTOR	DATE	LOCATED IN THE PNM EASEMENT BETWEEN TODOS	DATE	NO.	BY		BY	NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	
STAKED BY	DATE	SANTOS ST. NW & PRENDA DE PLATA NW, A 60	DATE							CDD	5/98	CDD	5/98	
FIELD ACCEPTANCE BY	DATE	PENNY NAIL IN THE SOUTH SIDE OF A POWER POLE								CDD	5/98	CDD	5/98	
DRAWINGS BY	DATE	NO. W4273, ON THE EAST SIDE OF A DOUBLE								CDD	5/98	CDD	5/98	
CORRECTED BY	DATE	PLYON PROJECTING 1.0 FT ABOVE THE GROUND								CDD	5/98	CDD	5/98	
RECORDED BY	DATE	ELEVATION = 5123.40 FT								CDD	5/98	CDD	5/98	
										CDD	5/98	CDD	5/98	
										CDD	5/98	CDD	5/98	

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VOLCANO BUSINESS PARK
STREET PAVING LAYOUT



City Engineer Approval

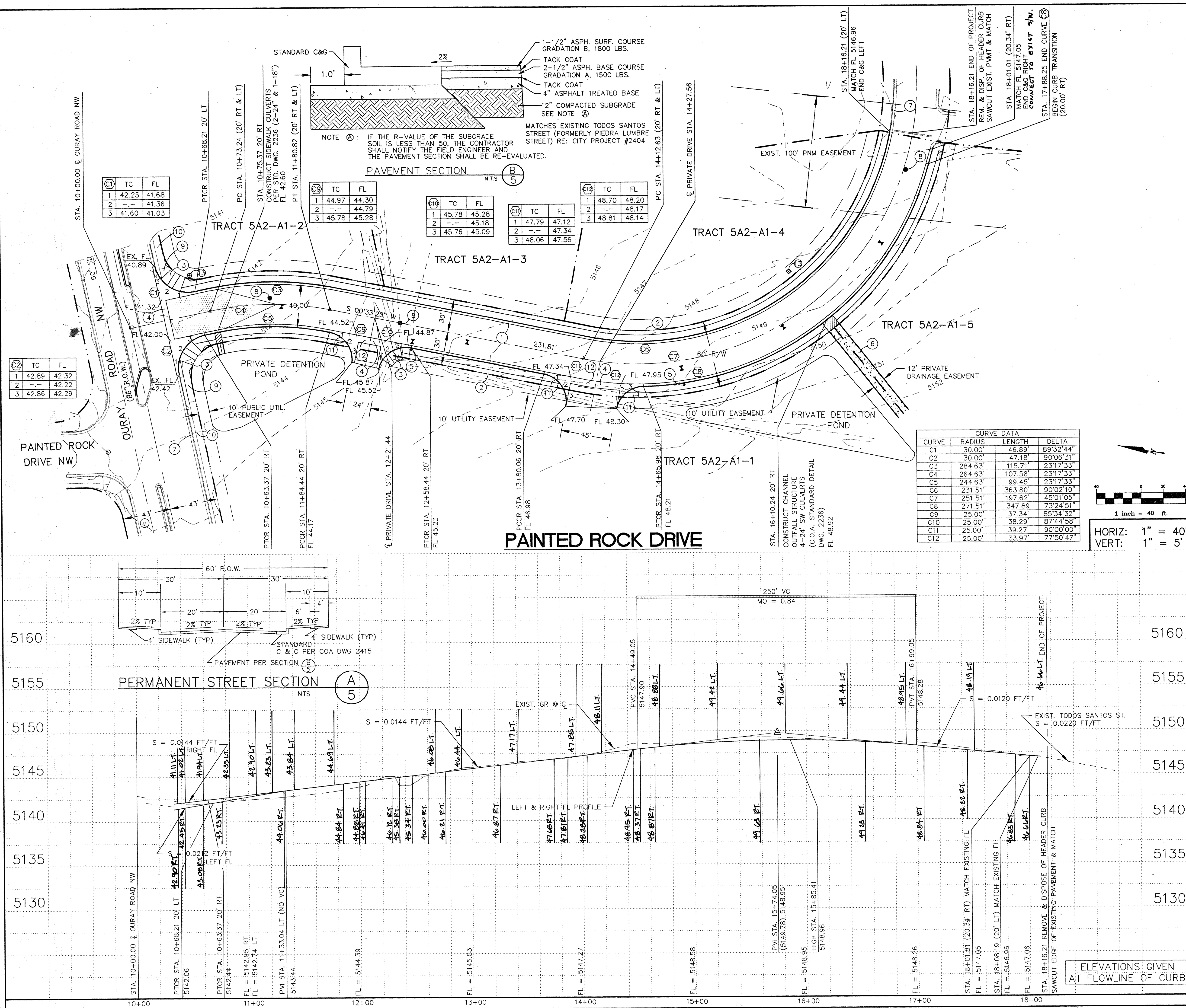
Last Design Update

City Project No. 585681

Zone Map No. G-10

Sheet 4 Of 10

SCANNED BY
MESA REPRO



LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT	6"	6"
VALVE	6"	6"
WATER SERVICE (SINGLE)	6"	6"
WATER SERVICE (DOUBLE)	6"	6"
MANHOLE	6"	6"
CURB	6"	6"
DROP INLET	6"	6"
OVERHEAD ELEC	OHE	OHE
UNDERGROUND ELEC, GAS, TEL, TV	UGT	UGT
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.5	99.31
SPOT ELEV.	x 16.7	16.7
SEWER SERVICE	6"	6"
RIGHT OF WAY	6"	6"
POWER POLE (GUYPED)	PP	PP
CHAIN LINK FENCE	X	X
CENTERLINE	6"	6"
RETAINING WALL	TA 16.2	TA 16.2
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2

50' CROWN TRANSITION

- KEYED NOTES**
- PROPOSED STD. CURB AND GUTTER
 - PROPOSED 4" SIDEWALK (C.O.A. STANDARD DETAIL DWG. 2430)
 - PROPOSED CURB ACCESS RAMP (C.O.A. STANDARD DETAIL DWG. 2441-CASE II)
 - PROPOSED CONCRETE VALLEY GUTTER (C.O.A. STANDARD DETAIL DWG. 2420)
 - PROPOSED FIRE HYDRANT (C.O.A. STANDARD DETAIL DWG. 2340)
 - PROPOSED CONCRETE CHANNEL
 - EXISTING STD. CURB AND GUTTER
 - PROPOSED MANHOLE
 - PROPOSED 6" SIDEWALK (SEE SHEET 6)
 - EXISTING 6" SIDEWALK
 - PROPOSED UNI-DIRECTIONAL CURB ACCESS RAMP (C.O.A. STANDARD DETAIL DWG. 2446)
 - PROPOSED CONCRETE VALLEY GUTTER PER STD DWG 2420. TRANSITION FROM 8" TO 6" CURB THROUGH CURB ACCESS RAMP PER STANDARD DRAWING 2418.
 - PROPOSED STREET LIGHT LOCATION

I HEREBY CERTIFY THAT THE AS BUILT INFORMATION IS BASED ON A FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Larry W. Medrano 4/12/99
LARRY W. MEDRANO
NMPS NO. 11993

ALL STATIONING IS BASED ON CENTERLINE OF R.O.W. UNLESS STATED OTHERWISE

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VOLCANO BUSINESS PARK
PAINTED ROCK DRIVE
STREET PAVING PLAN & PROFILE

Design Review Committee
City Engineer Approval
Mo./Day/Yr.
Mo./Day/Yr.

DESIGN REVIEW COMMITTEE
AUG 12 1998

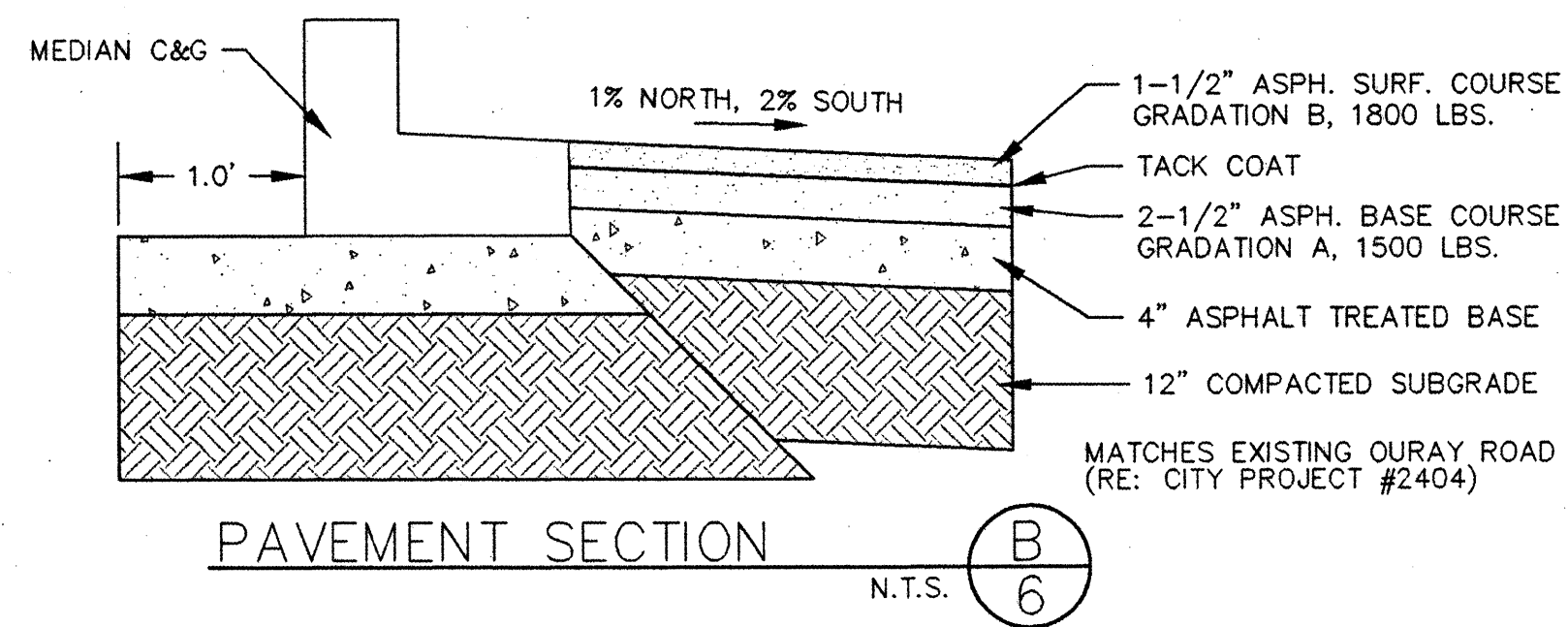
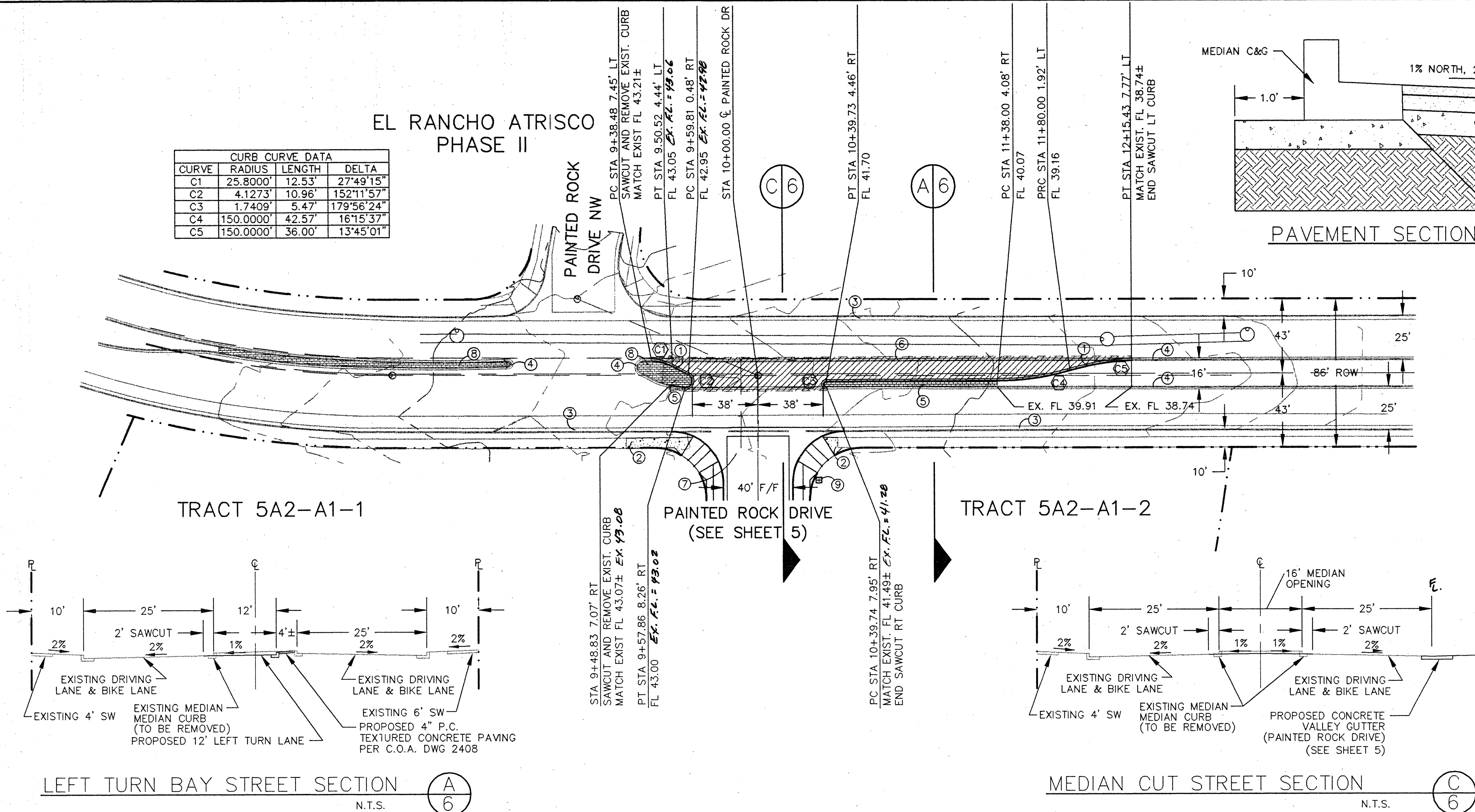
City Project No. 585681
Zone Map No. G-10
Sheet 5 of 10

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	LOCATED IN THE PNM EASEMENT BETWEEN TODOS SANTOS ST. NW & PRENDA DE PLATA NW, A 60 PENNY NAIL IN THE SOUTH SIDE OF POWER POLE NO. W273, ON THE EAST SIDE OF A DOUBLE PROJECTING 1.0 FT ABOVE THE GROUND. ELEVATION = 5123.40 FT	DATE	NO.	BY	NO.	BY
MENDOZA CONSULTING	11-2-1998						
INSPECTOR'S SIGNATURE	DATE						
VERIFICATION BY	DATE						
CORRECTED BY	DATE						
RECORDED BY	DATE						
NO.	DATE						
REMARKS	DATE						
REVISIONS	DATE						
DESIGN	DATE						
DESIGNED BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						

SCANNED BY
MESA REFPO

CURB CURVE DATA			
CURVE	RADIUS	LENGTH	DELTA
C1	25.8000'	12.53'	27°49'15"
C2	41.2733'	10.96'	152°11'57"
C3	1.7409'	5.47'	179°56'24"
C4	150.0000'	42.57'	161°5'37"
C5	150.0000'	36.00'	13°45'01"

EL RANCHO ATRISCO
PHASE II

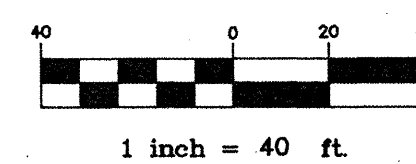


NOTE: PAINT NOSES OF ALL
MEDIAN ISLES YELLOW.

LEGEND		
ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT	⊙	⊙
VALVE	⊕	⊕
WATER SERVICE (SINGLE)	—	—
WATER SERVICE (DOUBLE)	—	—
MANHOLE	⊙	⊙
CURB	—	—
DROP INLET	—	—
OVERHEAD ELEC.	—	—
UNDERGROUND ELEC.	—	—
GAS, TEL, TV	—	—
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	x 16.7	16.7
SEWER SERVICE	—	—
RIGHT OF WAY	—	—
POWER POLE (GUYED)	PP	PP
CHAIN LINK FENCE	—	—
CENTERLINE	—	—
RETAINING WALL	—	—
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2

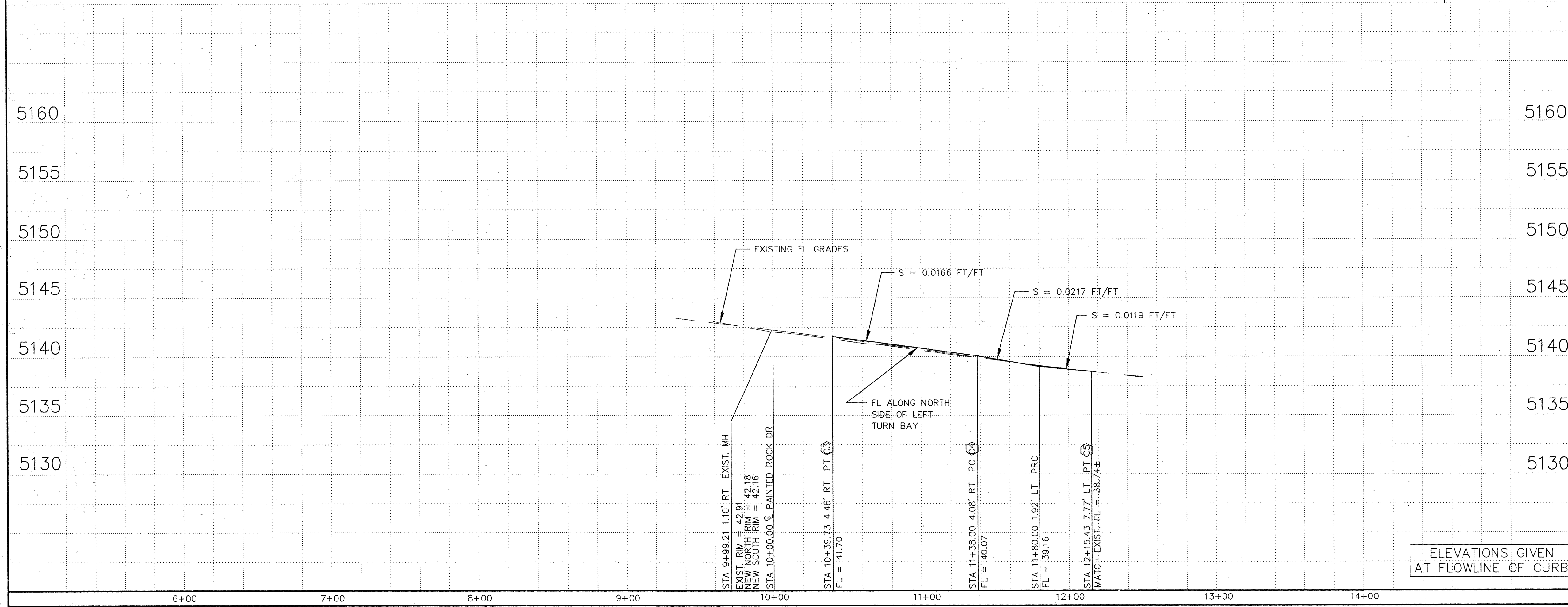
KEYED NOTES

1. PROPOSED MEDIAN CURB AND GUTTER
2. PROPOSED 6" SIDEWALK
3. EXISTING STD. CURB AND GUTTER
4. EXISTING MEDIAN CURB AND GUTTER
5. CONCRETE MEDIAN PAVING PER STD. DWG 2408
6. REMOVE EXISTING MEDIAN CURB AND GUTTER. PAVE TURN BAY AND MEDIAN CUT PER SECTIONS A, B, AND C.
7. FOR DETAIL ON PAINTED ROCK DRIVE IMPROVEMENTS, SEE SHEET 5.
8. EXISTING P.C. TEXTURED CONCRETE RUNNING BOND PATTERN
9. PROPOSED STREET LIGHT LOCATION



HORIZ: 1" = 40'
VERT: 1" = 5'

OURAY ROAD NW



I HEREBY CERTIFY THAT THE AS BUILT
INFORMATION IS BASED ON A FIELD SURVEY
PERFORMED UNDER MY DIRECT SUPERVISION
AND IS TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

LARRY W. MEDRANO
NMPS NO. 11993
DATE 8/12/98



ALL STATIONING IS BASED ON CENTERLINE OF R.O.W.
UNLESS STATED OTHERWISE

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: VOLCANO BUSINESS PARK
OURAY ROAD NW
LEFT TURN BAY PLAN & PROFILE

DESIGN		REVISIONS	
NO.	DATE	REMARKS	BY
1	8/12/98	DESIGN	

OURAY ROAD NW
PAINTED ROCK DRIVE NW

STA. 10+00.00 @ OURAY ROAD NW
60" SD

TRACT 5A2-A1-2

TRACT 5A2-A1-3

TRACT 5A2-A1-4

TRACT 5A2-A1-5

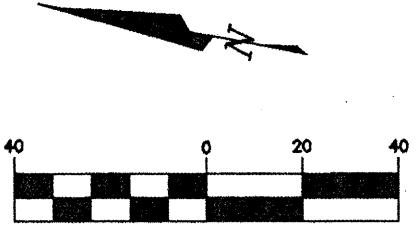
TRACT 5A2-A1-1

PAINTED ROCK DRIVE

EXIST. 100' PNM EASEMENT

12' PRIVATE DRAINAGE EASEMENT

10' UTILITY EASEMENT



HORIZ: 1" = 40'
VERT: 1" = 5'

LEGEND

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT		
VALVE		
WATER SERVICE (SINGLE)		
WATER SERVICE (DOUBLE)		
MANHOLE		
CURB		
DROP INLET		
OVERHEAD ELEC.		
UNDERGROUND ELEC.		
GAS, TEL, TV		
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	x 16.7	16.7
SEWER SERVICE		
RIGHT OF WAY		
POWER POLE (GUYED)	PP	
CHAIN LINK FENCE		
CENTERLINE		
RETAINING WALL		
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2

KEYED NOTES

1. PROPOSED STD. CURB AND GUTTER
2. PROPOSED 4" SIDEWALK
3. PROPOSED CURB ACCESS RAMP
(C.O.A. STANDARD DETAIL DWG. 2441)
4. PROPOSED CONCRETE VALLEY GUTTER
(C.O.A. STANDARD DETAIL DWG. 2420)
5. PROPOSED FIRE HYDRANT
6. PROPOSED CONCRETE CHANNEL
7. EXISTING STD. CURB AND GUTTER
8. PROPOSED MANHOLE
9. PROPOSED STREET LIGHT LOCATION

I HEREBY CERTIFY THAT THE AS BUILT INFORMATION IS BASED ON A FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LARRY W. MEDRANO
N.M.P.S. NO. 11993

DATE 4/12/98

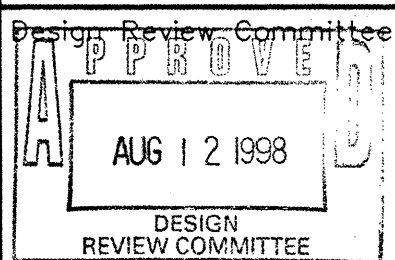


ALL STATIONING IS BASED ON CENTERLINE OF R.O.W. UNLESS STATED OTHERWISE

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: VOLCANO BUSINESS PARK
PAINTED ROCK DRIVE
UTILITIES PLAN & PROFILE



City Engineer Approval

Last Design Update

Mo./Day/Yr. Mo./Day/Yr.

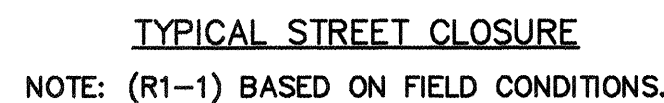
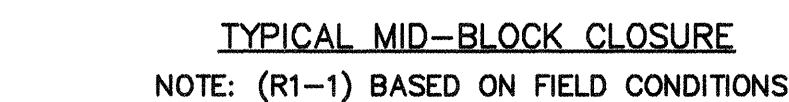
City Project No. 585681

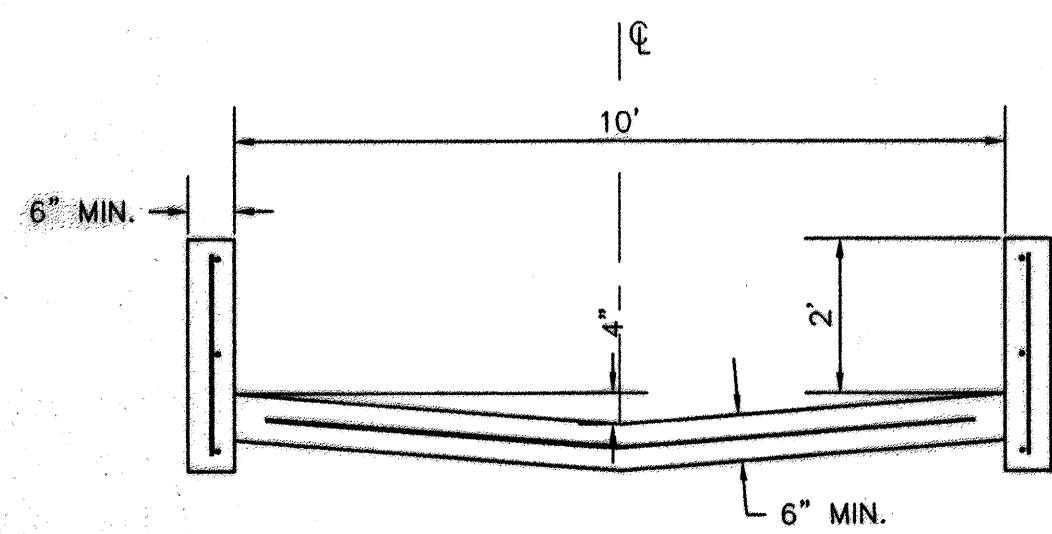
Zone Map No. G-10

Sheet 7 Of 10

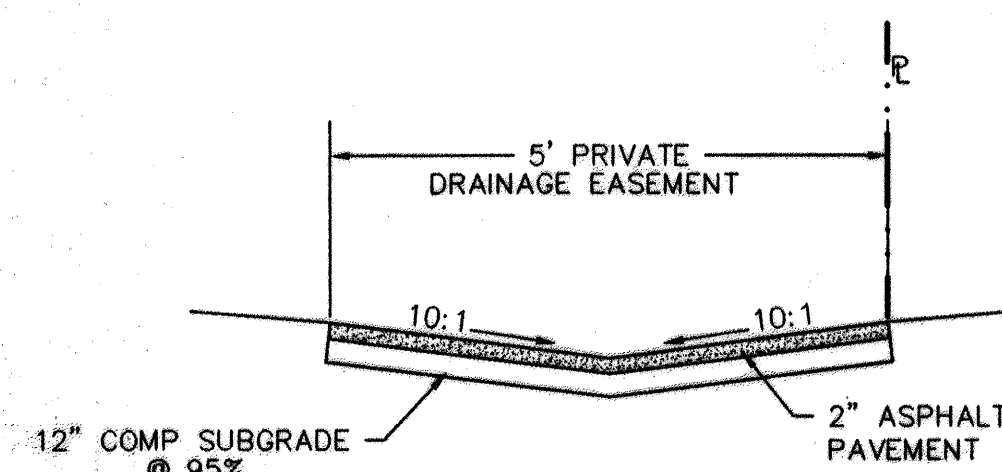


TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

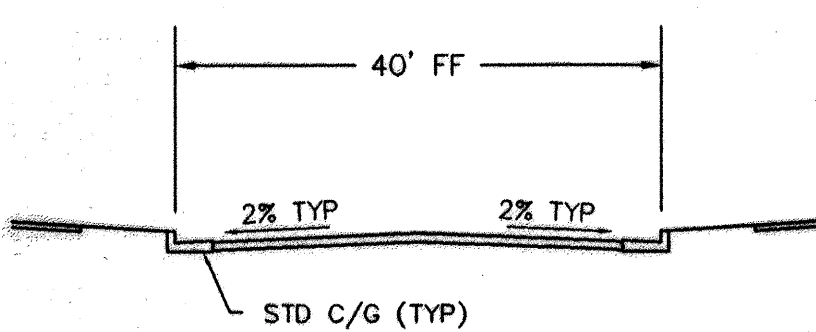
[illegible]



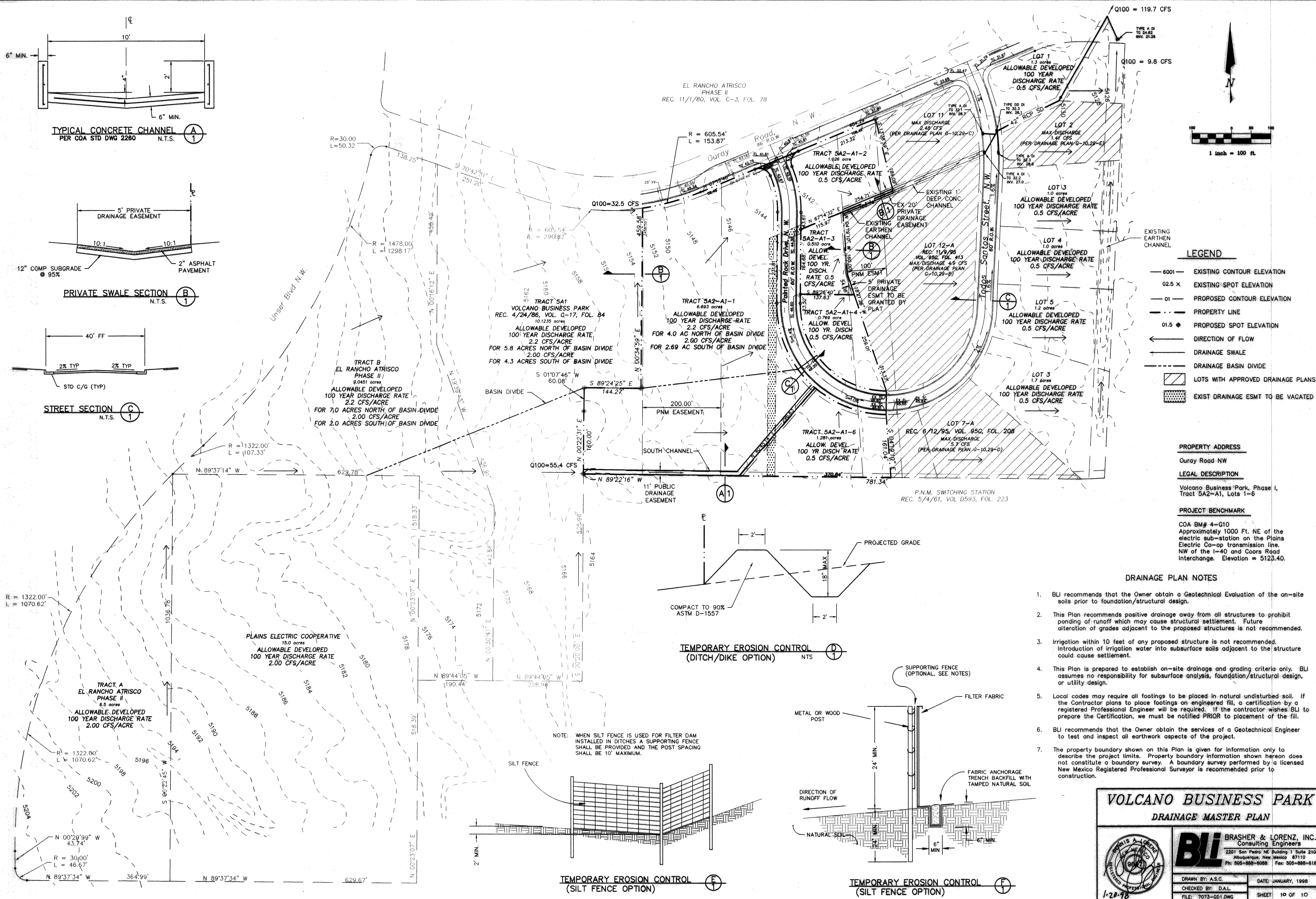
TYPICAL CONCRETE CHANNEL
PER COA STD DWG 2260
N.T.S.



PRIVATE SWALE SECTION
N.T.S.



STREET SECTION
N.T.S.



- LEGEND**
- 6001 — EXISTING CONTOUR ELEVATION
 - 02.5 x — EXISTING SPOT ELEVATION
 - 01 — PROPOSED CONTOUR ELEVATION
 - — — — — PROPERTY LINE
 - 01.5 — PROPOSED SPOT ELEVATION
 - DIRECTION OF FLOW
 - DRAINAGE SWALE
 - DRAINAGE BASIN DIVIDE
 - ▨ LOTS WITH APPROVED DRAINAGE PLANS
 - ▨ EXIST DRAINAGE ESMT TO BE VACATED

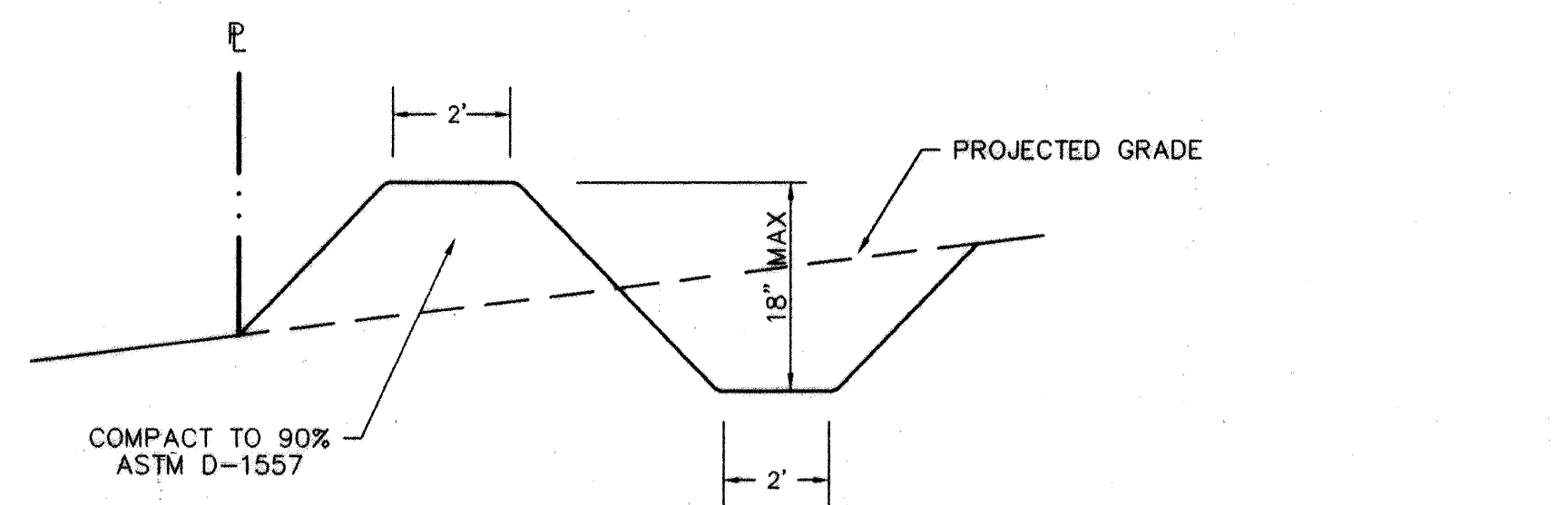
PROPERTY ADDRESS
Ouray Road NW

LEGAL DESCRIPTION
Volcano Business Park, Phase II,
Tract 5A2-A1, Lots 1-6

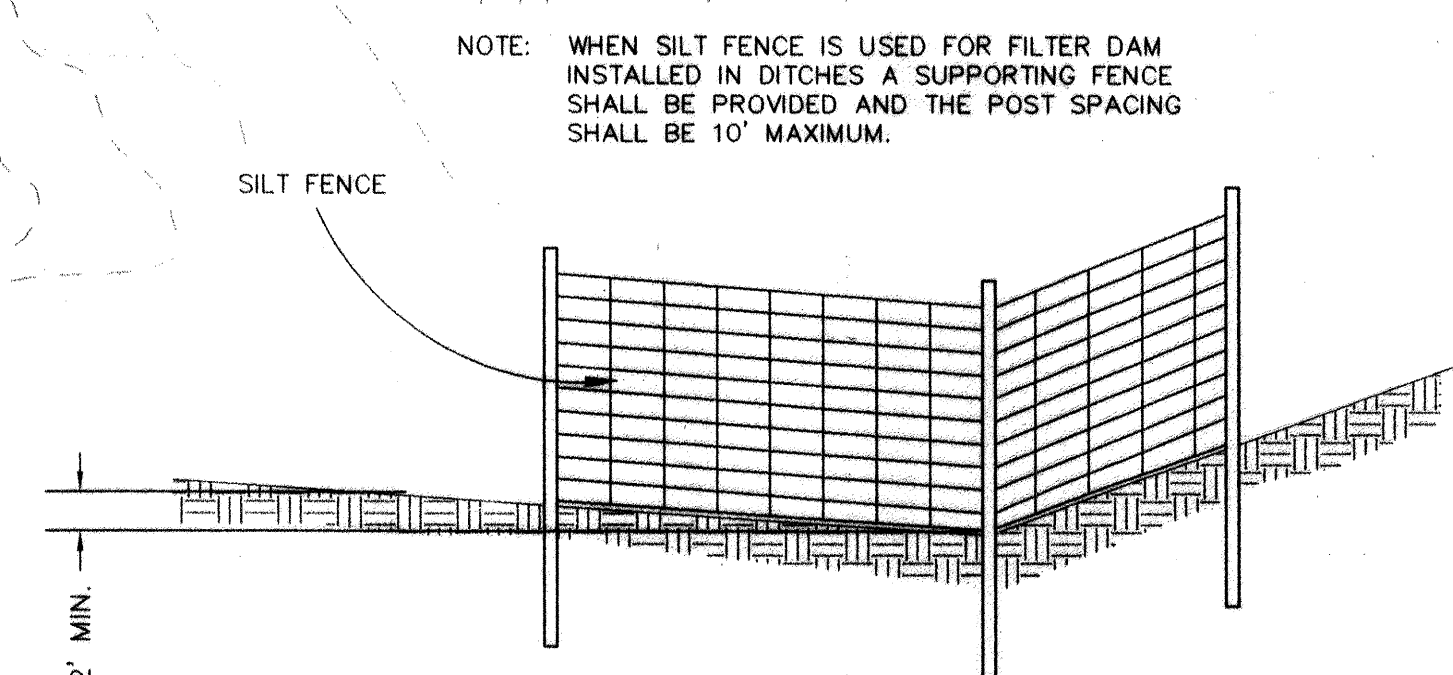
PROJECT BENCHMARK
COA BM# 4-G10
Approximately 1000 Ft. NE of the
electric sub-station on the Plains
Electric Co-op transmission line.
NW of the I-40 and Coors Road
Interchange. Elevation = 5123.40.

DRAINAGE PLAN NOTES

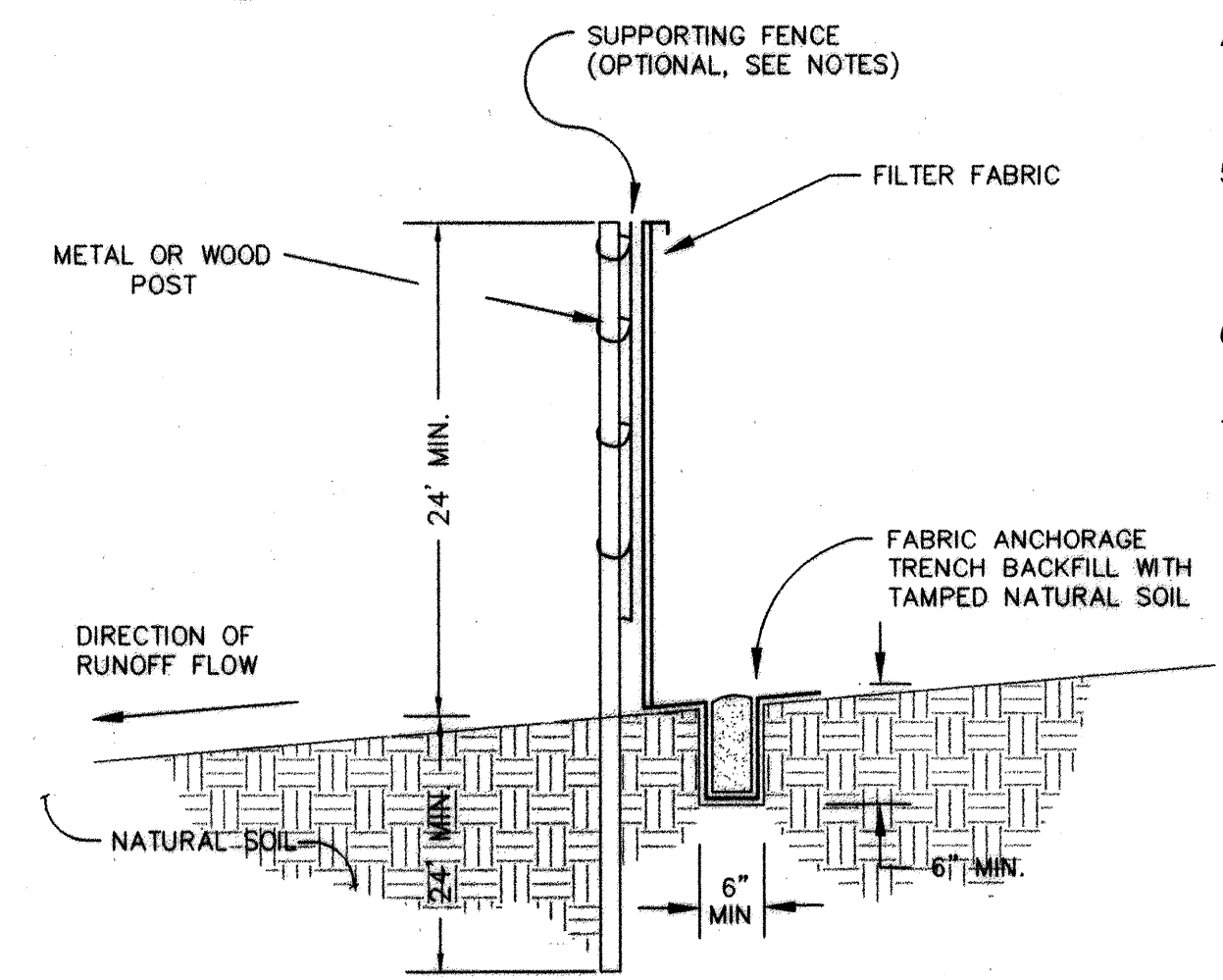
- BLI recommends that the Owner obtain a Geotechnical Evaluation of the on-site soils prior to foundation/structural design.
- This Plan recommends positive drainage away from all structures to prohibit ponding of runoff which may cause structural settlement. Future alteration of grades adjacent to the proposed structures is not recommended.
- Irrigation within 10 feet of any proposed structure is not recommended. Introduction of irrigation water into subsurface soils adjacent to the structure could cause settlement.
- This Plan is prepared to establish on-site drainage and grading criteria only. BLI assumes no responsibility for subsurface analysis, foundation/structural design, or utility design.
- Local codes may require all footings to be placed in natural undisturbed soil. If the Contractor plans to place footings on engineered fill, a certification by a registered Professional Engineer will be required. If the contractor wishes BLI to prepare the Certification, we must be notified PRIOR to placement of the fill.
- BLI recommends that the Owner obtain the services of a Geotechnical Engineer to test and inspect all earthwork aspects of the project.
- The property boundary shown on this Plan is given for information only to describe the project limits. Property boundary information shown hereon does not constitute a boundary survey. A boundary survey performed by a licensed New Mexico Registered Professional Surveyor is recommended prior to construction.



TEMPORARY EROSION CONTROL
(DITCH/DIKE OPTION)
N.T.S.

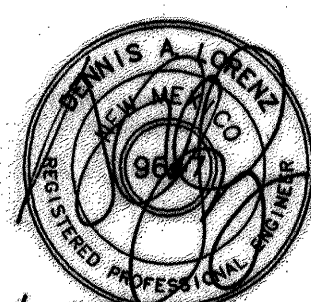


TEMPORARY EROSION CONTROL
(SILT FENCE OPTION)



TEMPORARY EROSION CONTROL
(SILT FENCE OPTION)

VOLCANO BUSINESS PARK
DRAINAGE MASTER PLAN



BLI
BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE Building 1 Suite 210
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-8188

DRAWN BY: A.S.C. DATE: JANUARY, 1998
CHECKED BY: D.A.L. SHEET 10 OF 10
FILE: 7073-601.DWG

1-20-98

CNP 5856.81