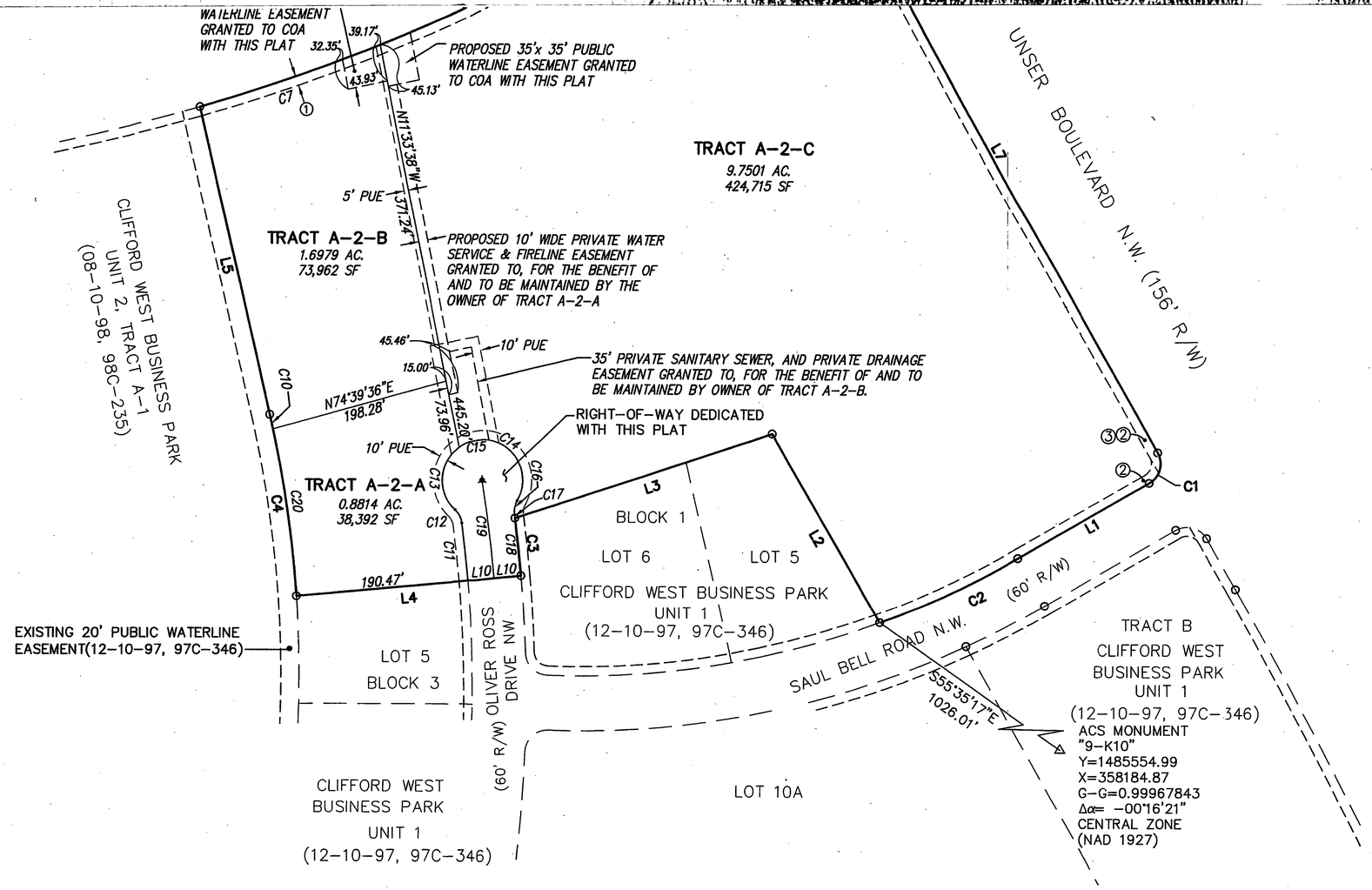


CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD BRG	CHORD
C1	25.00	39.27	89°59'46"	25.00	N14°57'26"E	35.35
C2	970.00	169.23	9°59'46"	84.83	N64°57'12"E	169.02
C3	1530.00	63.65	2°23'01"	31.83	N06°23'40"W	63.64
C4	1275.00	202.45	9°05'51"	101.44	N08°42'28"W	202.23
C5	2323.83	579.21	14°16'51"	291.11	N67°05'45"E	577.71
C6	50.00	78.54	90°00'14"	50.00	N75°02'34"W	70.71
C7	2323.83	209.93	5°10'34"	105.04	N71°38'53"E	209.86
C10	1275.00	16.16	0°43'34"	8.08	N12°53'37"W	16.16
C11	1470.00	63.45	2°28'22"	31.73	N06°26'21"W	63.44
C12	25.00	17.04	39°03'49"	8.87	N27°12'27"W	16.72
C13	45.00	78.76	100°16'39"	53.89	S03°23'58"W	69.08
C14	45.00	122.63	156°08'01"	212.93	N48°23'42"W	88.06
C15	45.00	201.38	256°24'41"	57.17	S81°27'59"W	70.72
C16	25.00	16.32	37°24'30"	8.46	S10°58'04"W	16.03
C17	1530.00	4.01	0°09'00"	2.00	N07°39'41"W	4.01
C18	1530.00	67.66	2°32'01"	33.83	N06°28'10"W	67.65
C19	1500.00	108.86	4°09'29"	54.45	N07°16'55"W	108.84
C20	1275.00	186.29	8°22'17"	93.31	N08°20'41"W	186.13
C21	2323.83	369.27	9°06'17"	185.03	N64°30'28"E	368.89

LINE TABLE		
LINE ID	LENGTH	BEARING
L1	167.42	S59°57'19"W
L2	240.29	N30°02'31"W
L3	299.18	N71°31'37"E
L4	250.47	S84°47'50"W
L5	343.49	N13°15'23"W
L6	110.74	N59°57'19"E
L7	732.37	S30°02'27"E
L9	73.96	S11°33'38"E
L10	30.00	S84°47'50"W

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS GRANTED WITH THIS PLAT

ROW = RIGHT-OF-WAY

NOTE:

CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

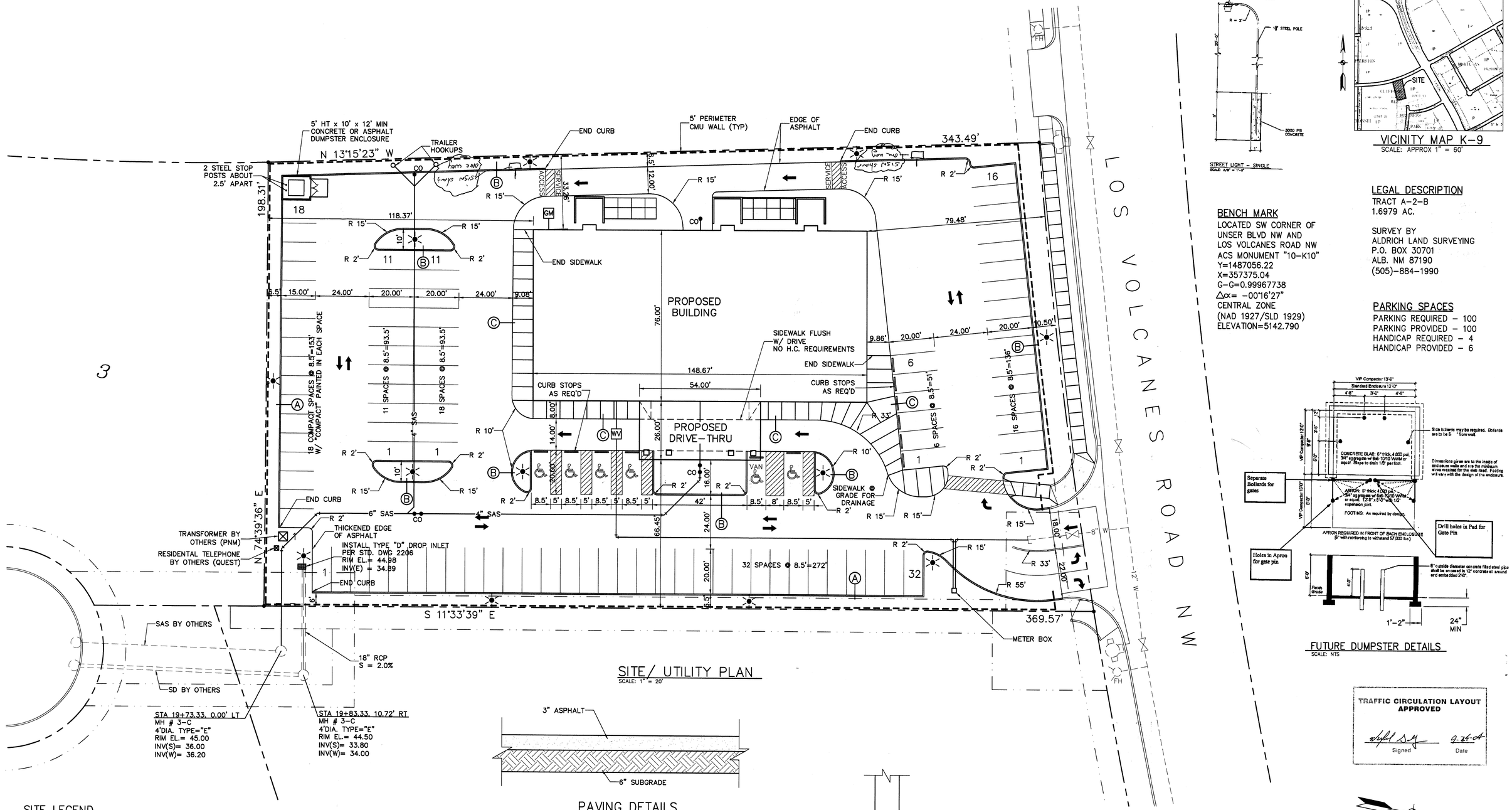
ALL STREETS SHOWN HEREON ARE HEREBY DEDICATED AS PUBLIC RIGHT-OF-WAY

TIMOTHY ALDRICH NEW MEXICO 7719 REGISTERED PROFESSIONAL SURVEYOR

01-12-04

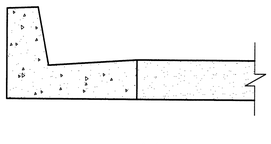
ALDRICH LAND SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

Dwg: A03026FPS2-3.dwg		Drawn:	STEPHEN	Checked:	ALS	Sheet 3 of 3
Scale:	1"=40'	Date:	01/12/04	Job:	A03026	

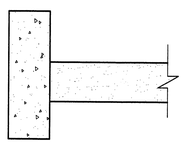


SITE / UTILITY PLAN
SCALE: 1" = 20'

PAVING DETAILS
SCALE: NTS

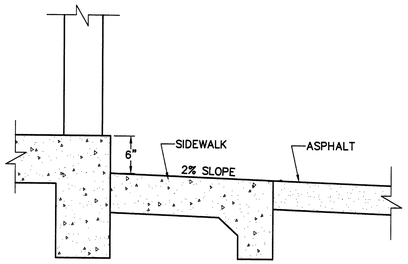


SECTION 'A'



SECTION 'B'

CURB DETAILS
SCALE: NTS

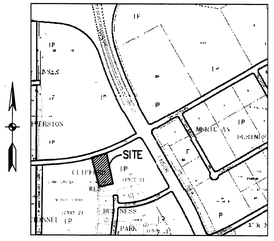


SECTION 'C'

SITE LEGEND

EXISTING	PROPOSED	FUTURE	
			EASMENT LINE
			PROPERTY LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
--12" W--	1 1/2" W		STRUCTURE WATERLINE
	6" SAS		SEWER LINE
	18" SD	FUTURE 18" SD	STORM DRAIN LINE
			DROP INLET
			PARKING LOT LIGHT

STREET LIGHT - SINGLE
SCALE: 3/8" = 1'-0"



VICINITY MAP K-9
SCALE: APPROX 1" = 60'

BENCH MARK
LOCATED SW CORNER OF UNSER BLVD NW AND LOS VOLCANES ROAD NW
ACS MONUMENT "10-K10"
Y=1487056.22
X=357375.04
G-G=0.99967738
△α= -00°16'27"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5142.790

LEGAL DESCRIPTION
TRACT A-2-B
1.6979 AC.

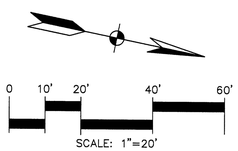
SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
(505)-884-1990

PARKING SPACES
PARKING REQUIRED - 100
PARKING PROVIDED - 100
HANDICAP REQUIRED - 4
HANDICAP PROVIDED - 6

FUTURE DUMPSTER DETAILS
SCALE: NTS

TRAFFIC CIRCULATION LAYOUT APPROVED

Signed — Date 9-24-04



SCALE: 1"=20'

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER
9/24/04
ENGINEER'S SEAL

OWNER: JEHOVAH WITNESS - KINGDOM HALL
8600 LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO

TITLE: SITE PLAN

DATE: 9/04
SCALE: AS SHOWN
DESIGNED: LCL
DRAWN: PJM

QuikDraw ENGINEERING, L.L.C.
P.O. Box 729
Corrales, NM 87048
Office (505) 898-0369 Fax (505) 897-0369

SHEET 1 OF 2

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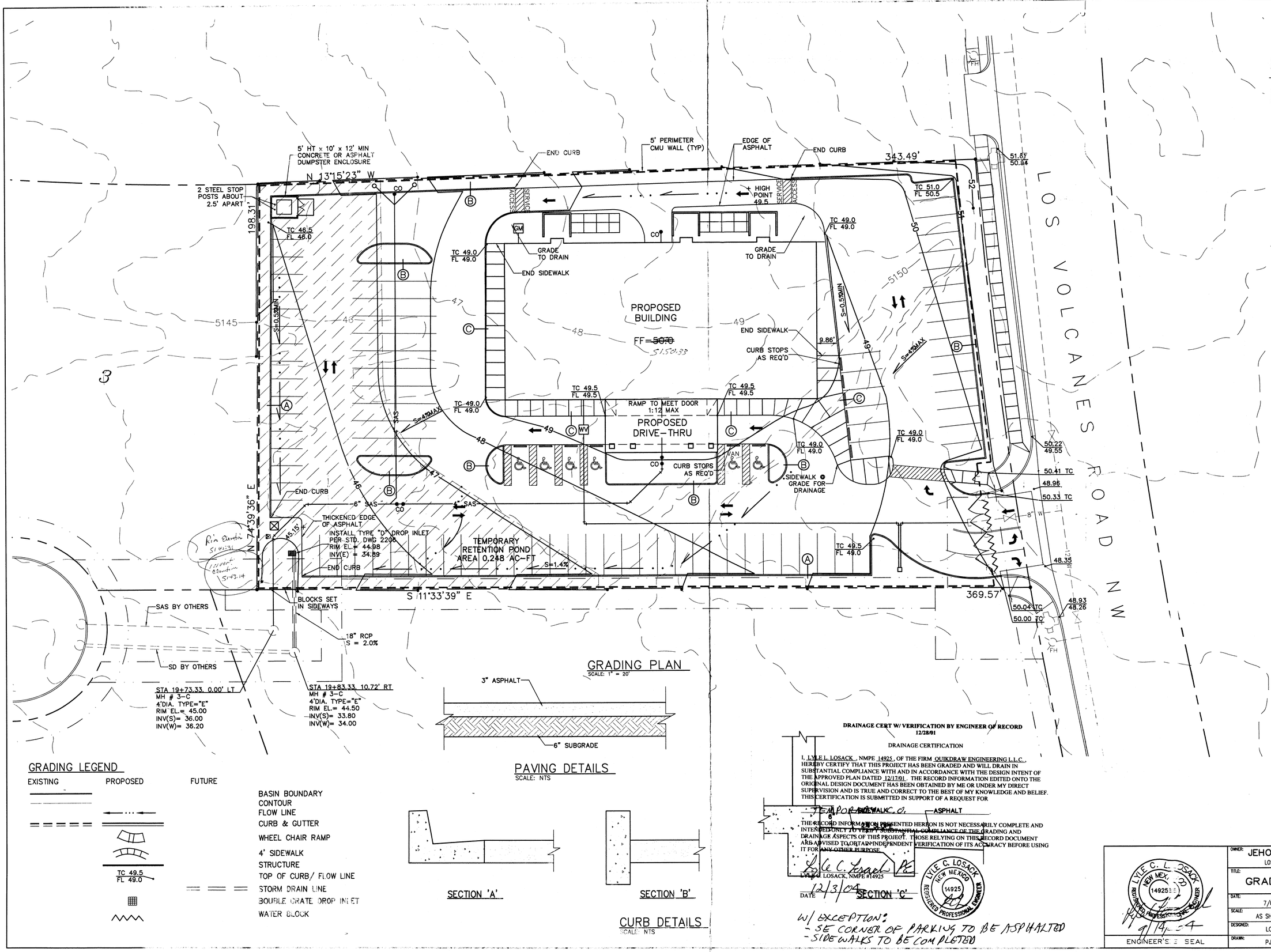


GRADING PLAN
SCALE: 1" = 20'

PAVING DETAILS
SCALE: NTS

SECTION 'A'

SECTION 'B'

CURB DETAILS
SCALE: NTS

GRADING LEGEND

EXISTING	PROPOSED	FUTURE
		BASIN BOUNDARY
		CONTOUR
		FLOW LINE
		CURB & GUTTER
		WHEEL CHAIR RAMP
		4' SIDEWALK
	TC 49.5 FL 49.0	STRUCTURE
		TOP OF CURB/ FLOW LINE
		STORM DRAIN LINE
		BOUBLE GRATE DROP INLET
		WATER BLOCK

DRAINAGE CERT W/ VERIFICATION BY ENGINEER OF RECORD
12/28/01

DRAINAGE CERTIFICATION

I, LYLE L. LOSACK, NMPE 14925, OF THE FIRM QUIKDRAW ENGINEERING L.L.C., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/17/01. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR

TEMPORARY SIDEWALK, 6" ASPHALT

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

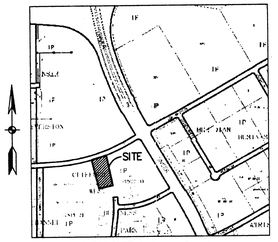
LYLE C. LOSACK, NMPE #14925

12/3/04
DATE

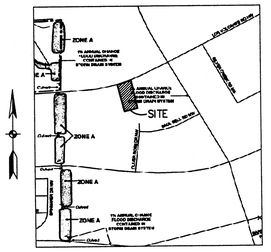
SECTION 'C'

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER

W/ EXCEPTION:
- SE CORNER OF PARKING TO BE ASPHALTED
- SIDEWALKS TO BE COMPLETED



VICINITY MAP K-9
SCALE: APPROX 1" = 60'

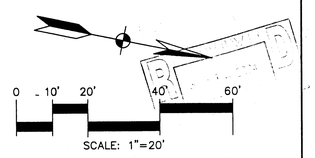


FEMA FLOOD MAP
MAP NO. 35001C0328E

BENCH MARK
LOCATED SW CORNER OF UNSER BLVD NW AND LOS VOLCANES ROAD NW
ACS MONUMENT "10-K10"
Y=1487056.22
X=357375.04
G-G=0.99967738
$\Delta\alpha$= -00°16'27"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5142.790

LEGAL DESCRIPTION
TRACT A-2-B
1.6979 AC.

SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
(505)-884-1990



SCALE: 1"=20'

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER

9/14/04

ENGINEER'S SEAL

OWNER:	JEHOVAH WITNESS - KINGDOM HALL
	LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO
TITLE:	GRADING AND DRAINAGE PLAN
DATE:	7/04
SCALE:	AS SHOWN
DESIGNED:	LCL
DRAWN:	PJM

QuikDraw
ENGINEERING, L.L.C.
P.O. Box 729
Corrales, NM 87048
Office (505) 898-0369 Fax (505) 897-0369

SHEET 2 OF 2

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TRAFFIC CERTIFICATION

I, Lyle C Losack PE NMPE 14925 OF THE FIRM QUIKDRAW HEREBY CERTIFY THAT THIS PROJECT HAS IS IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 9/24/04 THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY lyle c losack OF THE FIRM QUIKDRAW I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 11/3/05 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR FINAL C.O.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Lyle C Losack PE
Signature of Engineer

11/4/05
Date

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER

Norman/Edwin 924-3831

From the 11th pilaster going from the front to property south 7'3 ft south of pilaster then 4'5" east of the wall 3" conduit

Light Pole

5' HT x 10' x 12' MIN CONCRETE OR ASPHALT DUMPSTER ENCLOSURE

TRAILER HOOKUPS

END CURB

5' PERIMETER CMU WALL (TYP)

EDGE OF ASPHALT

N 13°15'23" W

343.49'

SERVICE ACCESS

one way SIGN

R 15'

R 2'

118.37'

79.48'

END SIDEWALK

PROPOSED BUILDING

76.00'

148.67'

54.00'

SIDEWALK FLUSH W/ DRIVE NO H.C. REQUIREMENTS

CURB STOPS AS REQ'D

PROPOSED DRIVE-THRU

26.00'

14.00'

8.00'

16.00'

42'

66.45'

24.00'

20.00'

32 SPACES @ 8.5'=272'

18 COMPACT SPACES @ 8.5'=153' W/ "COMPACT" PAINTED IN EACH SPACE

11 SPACES @ 8.5'=93.5'

18 SPACES @ 8.5'=93.5'

16 SPACES @ 8.5'=136'

6 SPACES @ 8.5'=51'

15.00' 24.00' 20.00' 20.00' 24.00' 9.08' 9.86' 20.00' 24.00' 20.00' 10.50'

SIDEWALK @ GRADE FOR DRAINAGE

VAN

8.5' 5' 8.5' 5' 8.5' 5' 8.5' 5' 8.5' 8' 8.5' 5'

END CURB

6" SAS

4" SAS

TRANSFORMER BY OTHERS (PNM)

RESIDENTAL TELEPHONE BY OTHERS (QUEST)

THICKENED EDGE OF ASPHALT

INSTALL TYPE "D" DROP INLET PER STD. DWG 2206
RIM EL.= 44.98
INV(E) = 34.89

END CURB

N 74°39'36" E

S 11°33'39" E

369.57'

METER BOX

SAS BY OTHERS

SD BY OTHERS

18" RCP S = 2.0%

STA 19+73.33, 0.00' LT
MH # 3-C
4'DIA. TYPE="E"
RIM EL.= 45.00
INV(S)= 36.00
INV(W)= 36.20

STA 19+83.33, 10.72' RT
MH # 3-C
4'DIA. TYPE="E"
RIM EL.= 44.50
INV(S)= 33.80
INV(W)= 34.00

LOS VOLCANES ROAD NW

FFE

SITE / UTILITY PLAN
SCALE: 1" = 20'

SITE LEGEND

EXISTING	PROPOSED	FUTURE	
			EASMENT LINE
			PROPERTY LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
12" W	1 1/2" W		STRUCTURE WATERLINE
	6" SAS		SEWER LINE
	18" SD	FUTURE 18" SD	STORM DRAIN LINE
			DROP INLET
			PARKING LOT LIGHT

3" ASPHALT
6" SUBGRADE

PAVING DETAILS
SCALE: NTS

SECTION 'A'

SECTION 'B'

CURB DETAILS
SCALE: NTS

6"
SIDEWALK
ASPHALT
2% SLOPE

SECTION 'C'

LIGHTS OF AMERICA FLUORESCENT YARD LIGHT MODEL 9164 BRONZE

R = 2'
18' STEEL POLE
3000 PSI CONCRETE

STREET LIGHT - SINGLE
SCALE: 3/8" = 1'-0"

VICINITY MAP K-9
SCALE: APPROX 1" = 60'

BENCH MARK

LOCATED SW CORNER OF UNSER BLVD NW AND LOS VOLCANES ROAD NW
ACS MONUMENT "10-K10"
Y=1487056.22
X=357375.04
G-G=0.99967738
Δα= -00°16'27"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5142.790

LEGAL DESCRIPTION

TRACT A-2-B
1.6979 AC.

SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
(505)-884-1990

PARKING SPACES

PARKING REQUIRED - 100
PARKING PROVIDED - 100
HANDICAP REQUIRED - 4
HANDICAP PROVIDED - 6

VP Compactor 13'6" Standard Enclosure 12'0"
4'-6" 3'-0" 4'-6"
VP Compactor 12'0" 6'-6" 5'0"
Side bollards may be required. Balance are to be 5' from wall
CONCRETE SLAB: 6" thick, 4,000 psi, 3/4" aggregate w/ 6x6-10/10 WWM or equal. Slope to drain 1/8" per foot.
Dimensions given are to the inside of enclosure walls and are the minimum sizes required for the slab load. Footing will vary with the design of the enclosure.
Separate Bollards for gates
APRON: 6" thick 4,000 psi, 3/4" aggregate w/ 6x6-10/10 WWM or equal. 12'6" x 9'0" with 1/2" expansion joint.
FOOTING: As required by design.
APRON REQUIRED IN FRONT OF EACH ENCLOSURE (6" with reinforcing is required for 60,000 lbs.)
Drill holes in Pad for Gate Pin
Holes in Apron for gate pin
6" outside diameter concrete filled steel pipe shall be encased in 12" concrete all around and embedded 2'-0".
Finish Grade
4'-0"
1'-2"
24" MIN

FUTURE DUMPSTER DETAILS
SCALE: NTS

TRAFFIC CIRCULATION LAYOUT APPROVED
Signed
9.24.04
Date

RECEIVED
JAN 04 2005
HYDROLOGY SECTION

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Lyle C. Losack PE of the firm of QUIKDRAW 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 Lyle Aldrich NMPS number 7219.

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER

ALBUQUERQUE BUILDING & SAFETY
SEP 24 2004
U.B.C. PLAN CHECK SECTION

0 10' 20' 40' 60'
SCALE: 1"=20'

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER
Lyle C Losack PE 9/24/04
ENGINEER'S SEAL

OWNER: JEHOVAH WITNESS - KINGDOM HALL
8600 LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO

TITLE: SITE PLAN

DATE:	9/04
SCALE:	AS SHOWN
DESIGNED:	LCL
DRAWN:	PJM

QuikDraw ENGINEERING, L.L.C.
P.O. Box 729
Corrales, NM 87048
Office (505) 898-0369 Fax (505) 897-0369

SHEET 1 OF 2

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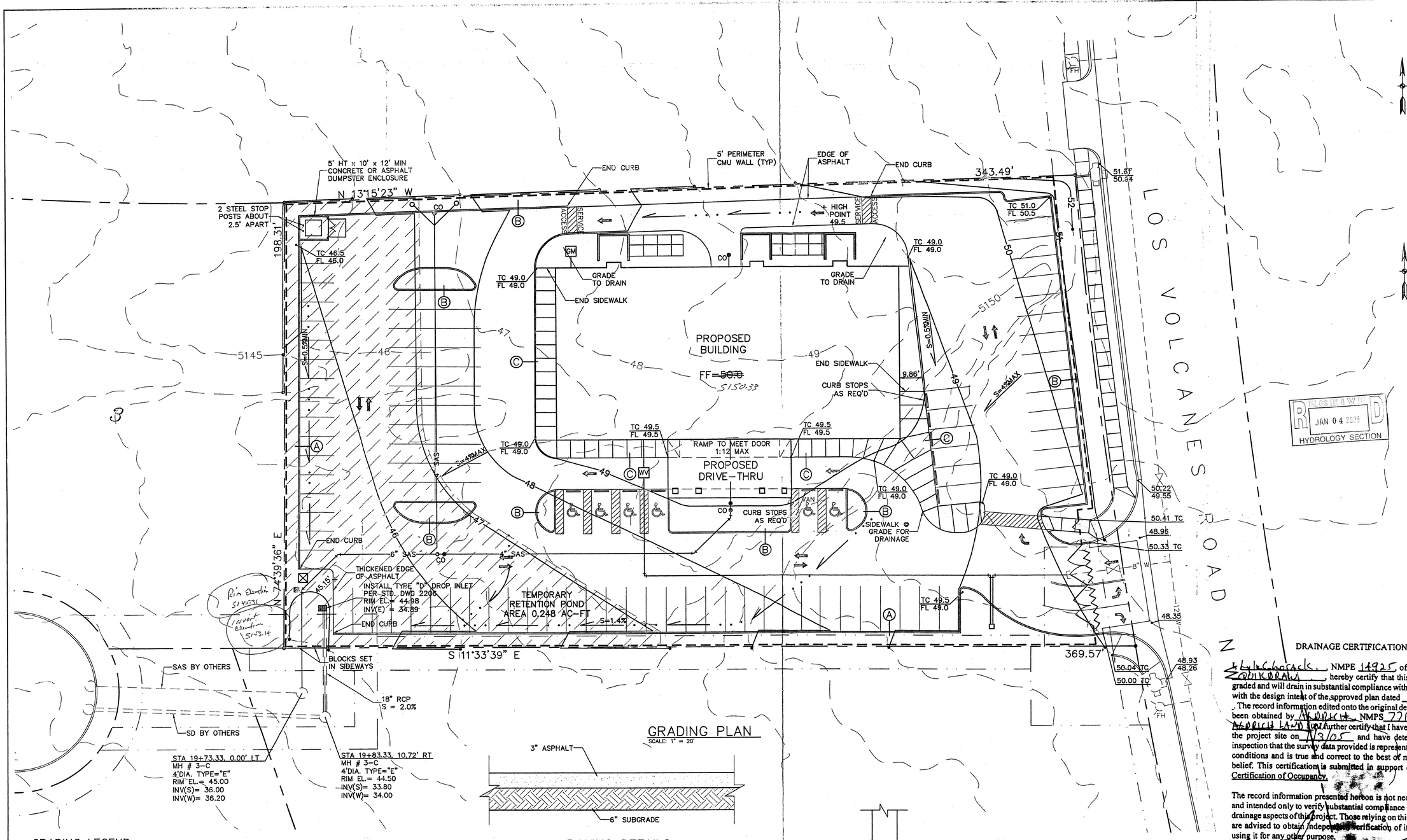
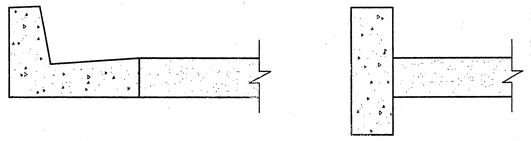


GRADING PLAN
SCALE: 1" = 20'

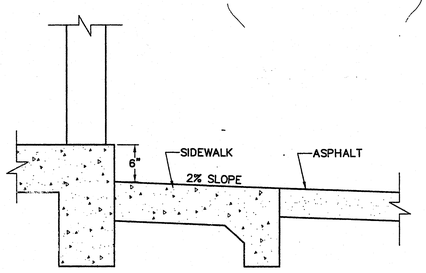
GRADING LEGEND

EXISTING	PROPOSED	FUTURE	
			BASIN BOUNDARY
			CONTOUR
	←···		FLOW LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
			STRUCTURE
	TC 49.5 FL 49.0		TOP OF CURB/ FLOW LINE
= = = = =	= = = = =	= = =	STORM DRAIN LINE
			BOUBLE GRATE DROP INLET
			WATER BLOCK

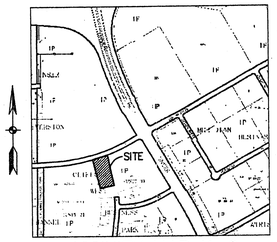
PAVING DETAILS
SCALE: NTS



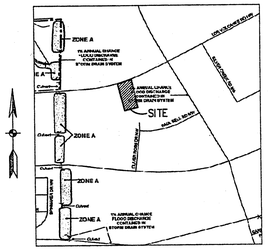
CURB DETAILS
SCALE: NTS



SECTION 'C'



VICINITY MAP K-9
SCALE: APPROX 1" = 60'



FEMA FLOOD MAP
MAP NO. 35001C0328E

RECEIVED
JAN 04 2005
HYDROLOGY SECTION

BENCH MARK
LOCATED SW CORNER OF UNSER BLVD NW AND LOS VOLCANES ROAD NW
ACS MONUMENT "10-K10"
Y=1487056.22
X=357375.04
G-G=0.99967738
$\Delta\alpha$= -00°16'27"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5142.790

LEGAL DESCRIPTION
TRACT A-2-B
1.6979 AC.

SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
(505)-884-1990

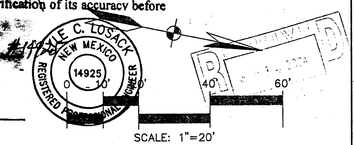
DRAINAGE CERTIFICATION

I, Kyle C. Losack, NMPE 14925 of the firm QUIKDRAW, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 9/14/04. The record information edited onto the original design document has been obtained by ALDRICH, NMPS 7219, of the firm ALDRICH LAND SURV and further certify that I have personally visited the project site on 11/3/05 and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Certification of Occupancy.

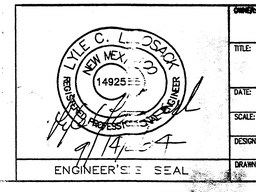
The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Kyle C. Losack P.E. 14925
NMPE

11/3/05
Date



SCALE: 1"=20'



ENGINEER'S SEAL

OWNER: JEHOVAH WITNESS – KINGDOM HALL
LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO

TITLE: GRADING AND DRAINAGE PLAN

DATE:	7/04
SCALE:	AS SHOWN
DESIGNED:	LCL
DRAWN:	PJM

QuikDraw
ENGINEERING, L.L.C.
P.O. Box 729
Corrales, NM 87048
Office (505) 898-0388 Fax (505) 897-0388

SHEET 2 OF 2

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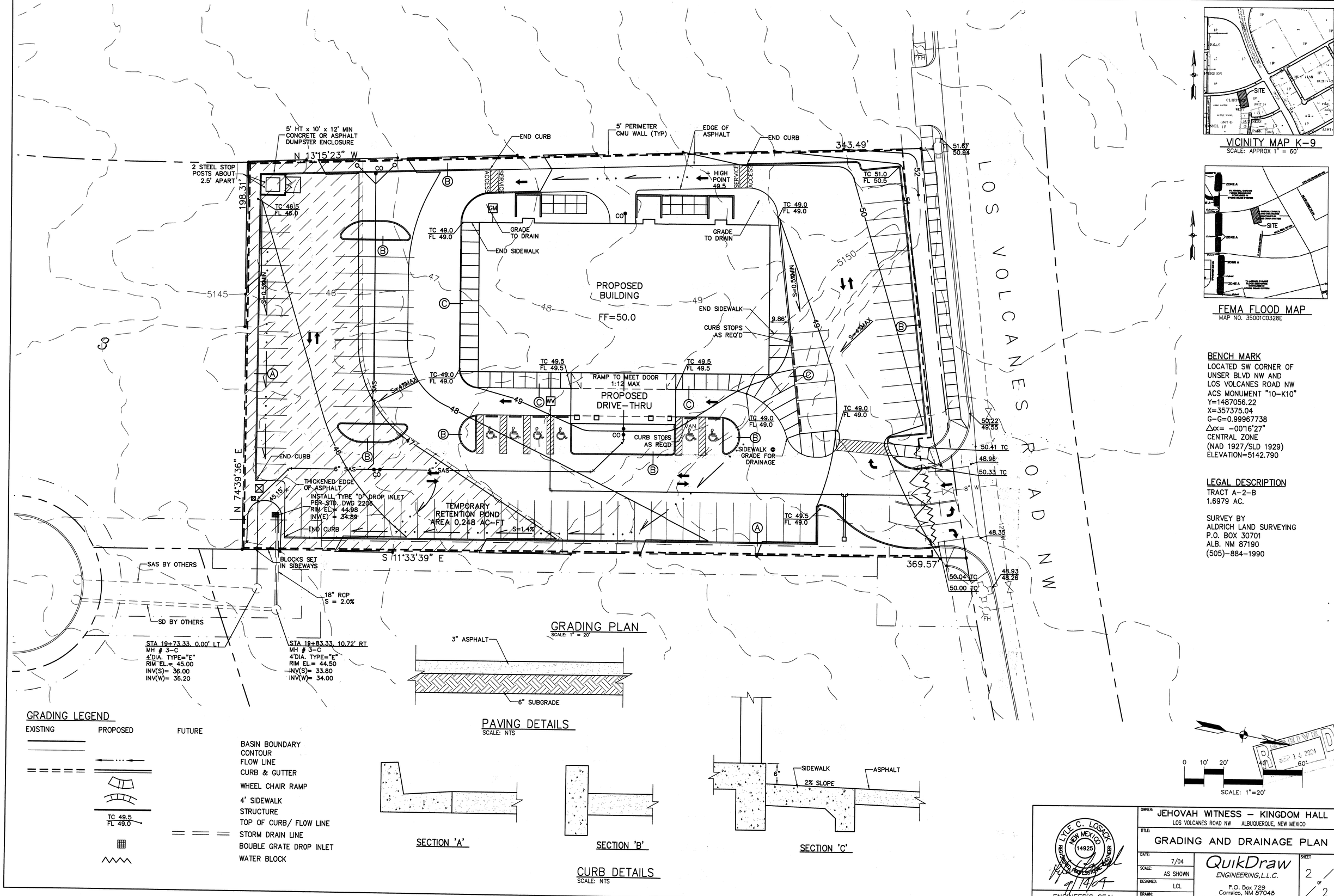

GRADING PLAN
SCALE: 1" = 20'

VICINITY MAP K-9
SCALE: APPROX 1" = 60'

FEMA FLOOD MAP
MAP NO. 35001C0328E

BENCH MARK
LOCATED SW CORNER OF UNSER BLVD NW AND LOS VOLCANES ROAD NW
ACS MONUMENT "10-K10"
Y=1487056.22
X=357375.04
G-G=0.99967738
△α= -00°16'27"
CENTRAL ZONE
(NAD 1927/SLD 1929)
ELEVATION=5142.790

LEGAL DESCRIPTION
TRACT A-2-B
1.6979 AC.

SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
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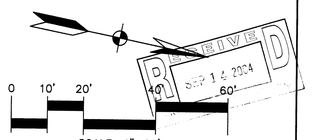

RECEIVED
SEP 16 2004

GRADING LEGEND

EXISTING	PROPOSED	FUTURE	
			BASIN BOUNDARY
			CONTOUR
			FLOW LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
			STRUCTURE
	TC 49.5 FL 49.0		TOP OF CURB/ FLOW LINE
			STORM DRAIN LINE
			BOUBLE GRATE DROP INLET
			WATER BLOCK

PAVING DETAILS
SCALE: NTS

SECTION 'A'

SECTION 'B'

SECTION 'C'

CURB DETAILS
SCALE: NTS

LYLE C. LOSACK
NEW MEXICO
14925
REGISTERED PROFESSIONAL ENGINEER
9/14/04
ENGINEER'S SEAL

OWNER: JEHOVAH WITNESS - KINGDOM HALL
LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO

TITLE: GRADING AND DRAINAGE PLAN

DATE: 7/04
SCALE: AS SHOWN
DESIGNED: LCL
DRAWN: PJM

QuikDraw ENGINEERING, L.L.C.
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SHEET 2 OF 2

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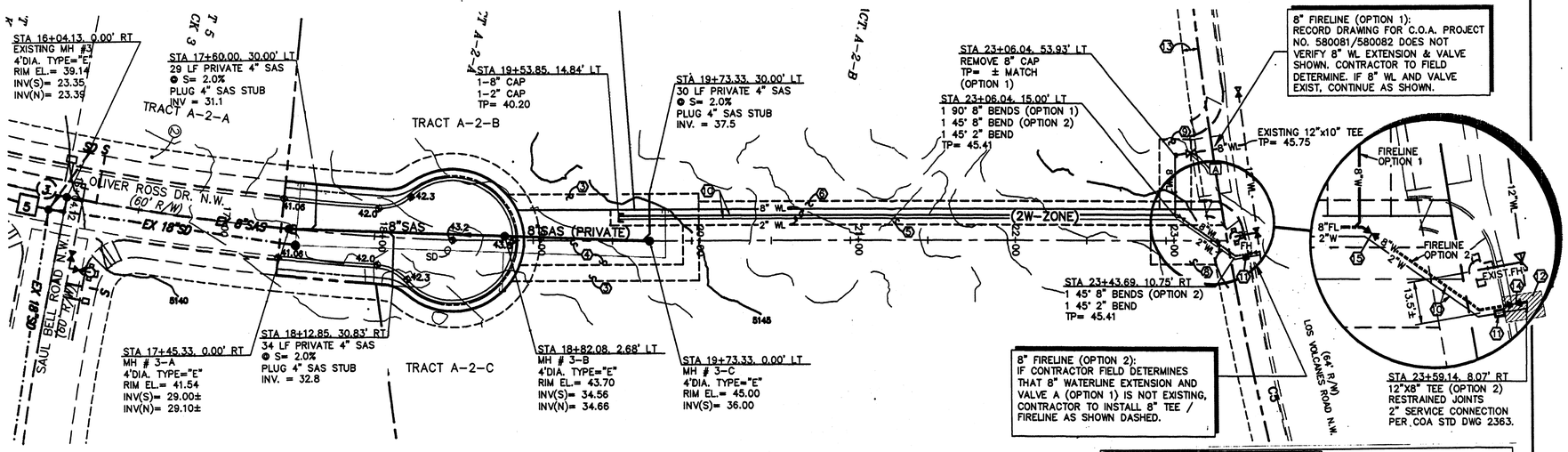


NOTES:

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 JOINTS WITHIN 20 LF OF A MECHANICAL JOINT SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ON THIS SHEET.
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

THIS TABLE IS BASED UPON THE FOLLOWING CRITERIA:

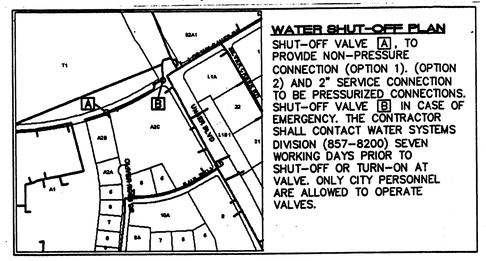
DEPTH OF BURY	4.0 FT. MINIMUM
FACTOR OF SAFETY	1.25
MATERIAL	PVC PIPE
SOIL TYPE:	GM/SM – SILTY GRAVELS AND SILTY SANDS, GRAVEL–SAND–SILT MIXTURES.
TEST PRESSURE	150 PSI
TRENCH TYPE 4:	PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE.

DIFFERENT CRITERIA, E.G., DUCTILE IRON PIPE, GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.

RESTRAINED JOINT LENGTHS FOR WATERLINE FITTINGS

RESTRAINED JOINT LENGTHS, L_T, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)

SIZE	HORZ. BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
8	22	9	4	2	60



WATER SHUT-OFF PLAN

SHUT-OFF VALVE [A], TO PROVIDE NON-PRESSURE CONNECTION (OPTION 1). (OPTION 2) AND 2" SERVICE CONNECTION TO BE PRESSURIZED CONNECTIONS. SHUT-OFF VALVE [B] IN CASE OF EMERGENCY. THE CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS PRIOR TO SHUT-OFF OR TURN-ON AT VALVE. ONLY CITY PERSONNEL ARE ALLOWED TO OPERATE VALVES.

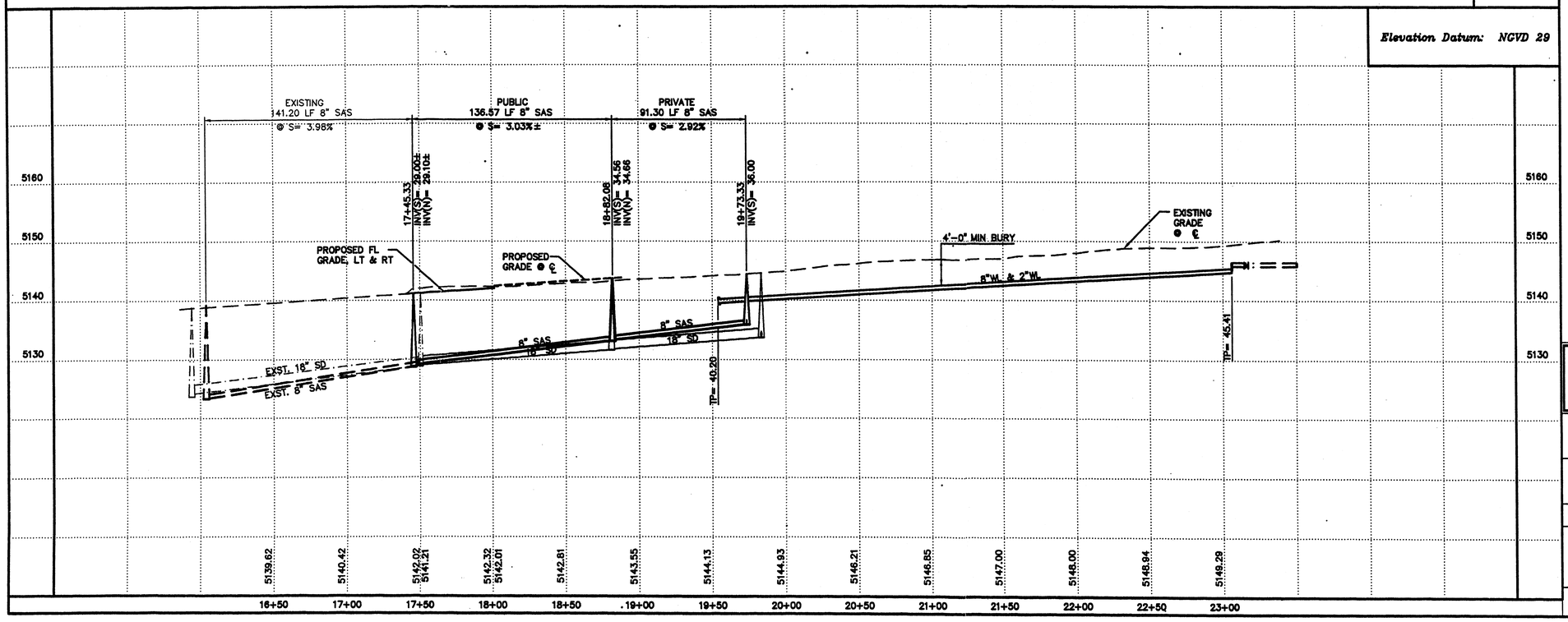
OLIVER ROSS DRIVE

North

0 20 40 80 120 160

SCALE 1" = 40'

SCALES:
1"=40' HOR.
1"=10' VERT.



GENERAL NOTES

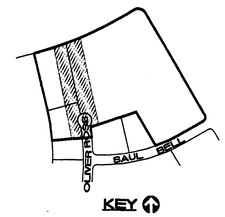
1. CONSTRUCT SAS SERVICES PER COA STD DWG 2125.
2. CONSTRUCT ALL SINGLE & DOUBLE WATER SERVICES PER COA STD DWGS 2361, 2363, 2367 & 2368.
3. SEE THIS SHEET FOR RESTRAINED JOINT LENGTHS FOR WATER LINE FITTINGS.
4. ALL STATIONING IS CENTERLINE STATIONING.
5. ALL STORM DRAIN LINE TO BE RCP.
6. EXISTING PAVING / UTILITIES CONSTRUCTED AS PART OF C.O.A. PROJECT NO. 580081.
7. PLAT RECORDING NO. 2004011513, BOOK 2004C, PAGE 29, DATE 01-28-04
8. CONSTRUCT GATE VALVES PER COA STD. DWGS. 2326 & 2328.

KEYED CONSTRUCTION NOTES

3. 10' PUBLIC UTILITY EASEMENT. (01-28-04, 2004C-29)
4. 35' PRIVATE SAS AND PRIVATE DRAINAGE EASEMENT. (01-28-04, 2004C-29)
5. 10' PRIVATE WATER SERVICE & FIRE LINE EASEMENT. (01-28-04, 2004C-29)
6. 5' PUBLIC UTILITY EASEMENT. (01-28-04, 2004C-29)
8. 35'x35' PUBLIC WATER EASEMENT. (01-28-04, 2004C-29)
9. 20' PUBLIC WATER EASEMENT. (01-28-04, 2004C-29)
10. 8"FL AND 2"WL TO SERVE TRACT A-2-A
11. 2"DIA. WATER METER / METER BOX PER C.O.A. STD. DWG. 2361, 2363 AND 2367 (NOTE: ONLY CITY CREW MAY INSTALL METER).
12. REMOVE / REPLACE 6 LF STD. C&G. REMOVE / REPLACE 6 SY ART. ASPHALT
13. 10' PUBLIC UTILITY EASEMENT (02-21-96, 96C-77)
14. NEW 8" PUBLIC GATE VALVE
15. NEW 8" PRIVATE GATE VALVE

LEGEND

- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING



AS-BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
ADDITIONS BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS MONUMENT "9-K10" LOCATED AT UNSER AND BLUEWATER.
ELEVATION=5114.99 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES

ENGINEER'S SEAL
FRED C. ARFMAN NEW MEXICO 7322 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY BJB DATE
DRAWN BY thor DATE
CHECKED BY FCA DATE

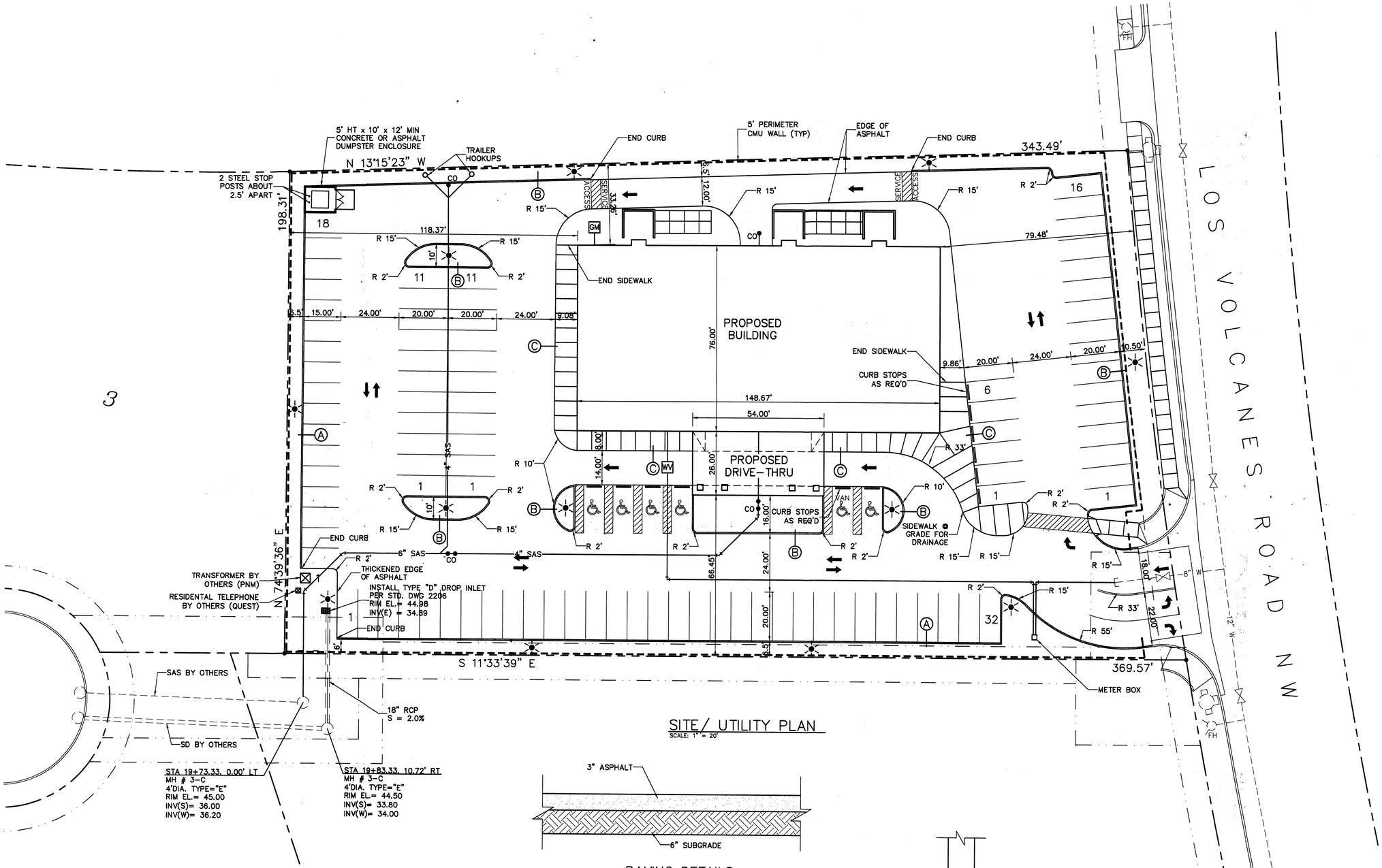
ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico
1309UTL1.DWG 05/18/04

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: CLIFFORD WEST BUSINESS PARK
OLIVER ROSS DRIVE N.W.
STA 16+00.00 TO STA 23+50.00
UTILITY PLAN & PROFILE

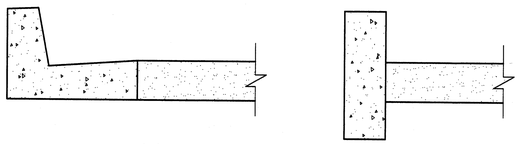
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 734781 | Zone Map No. K-9-Z | Sheet 4 Of 4



SITE / UTILITY PLAN
SCALE: 1" = 20'

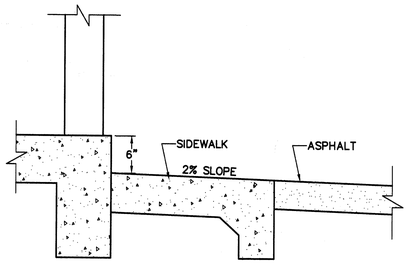
PAVING DETAILS
SCALE: NTS



SECTION 'A'

SECTION 'B'

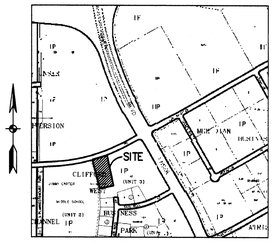
CURB DETAILS
SCALE: NTS



SECTION 'C'

SITE LEGEND

EXISTING	PROPOSED	FUTURE	
			EASMENT LINE
			PROPERTY LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
12" W	1 1/2" W		STRUCTURE WATERLINE
	6" SAS		SEWER LINE
	18" SD	FUTURE 18" SD	STORM DRAIN LINE
			DROP INLET
			PARKING LOT LIGHT



VICINITY MAP K-9
SCALE: APPROX 1" = 60'

BENCH MARK
LOCATED SW CORNER OF
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LOS VOLCANES ROAD NW
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G-G=0.99967738
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CENTRAL ZONE
(NAD 1927/SLD 1929)
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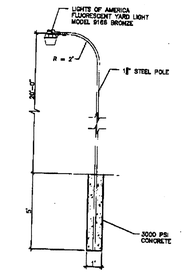
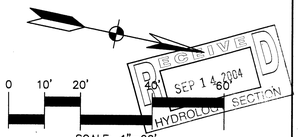
LEGAL DESCRIPTION
TRACT A-2-B
1.6979 AC.

SURVEY BY
ALDRICH LAND SURVEYING
P.O. BOX 30701
ALB. NM 87190
(505)-884-1990

PARKING SPACES
PARKING REQUIRED - 100
PARKING PROVIDED - 100
HANDICAP REQUIRED - 4
HANDICAP PROVIDED - 6



STREET LIGHT - SINGLE
SCALE: 3/8" = 1'-0"



L. LYLE C. LOSACK
NEW MEXICO
14925
REGISTERED PROFESSIONAL ENGINEER
9/14/04
ENGINEER'S SEAL

OWNER:	JEHOVAH WITNESS - KINGDOM HALL
	LOS VOLCANES ROAD NW ALBUQUERQUE, NEW MEXICO
TITLE:	SITE PLAN
DATE:	7/04
SCALE:	AS SHOWN
DESIGNED:	LCL
DRAWN:	PJM

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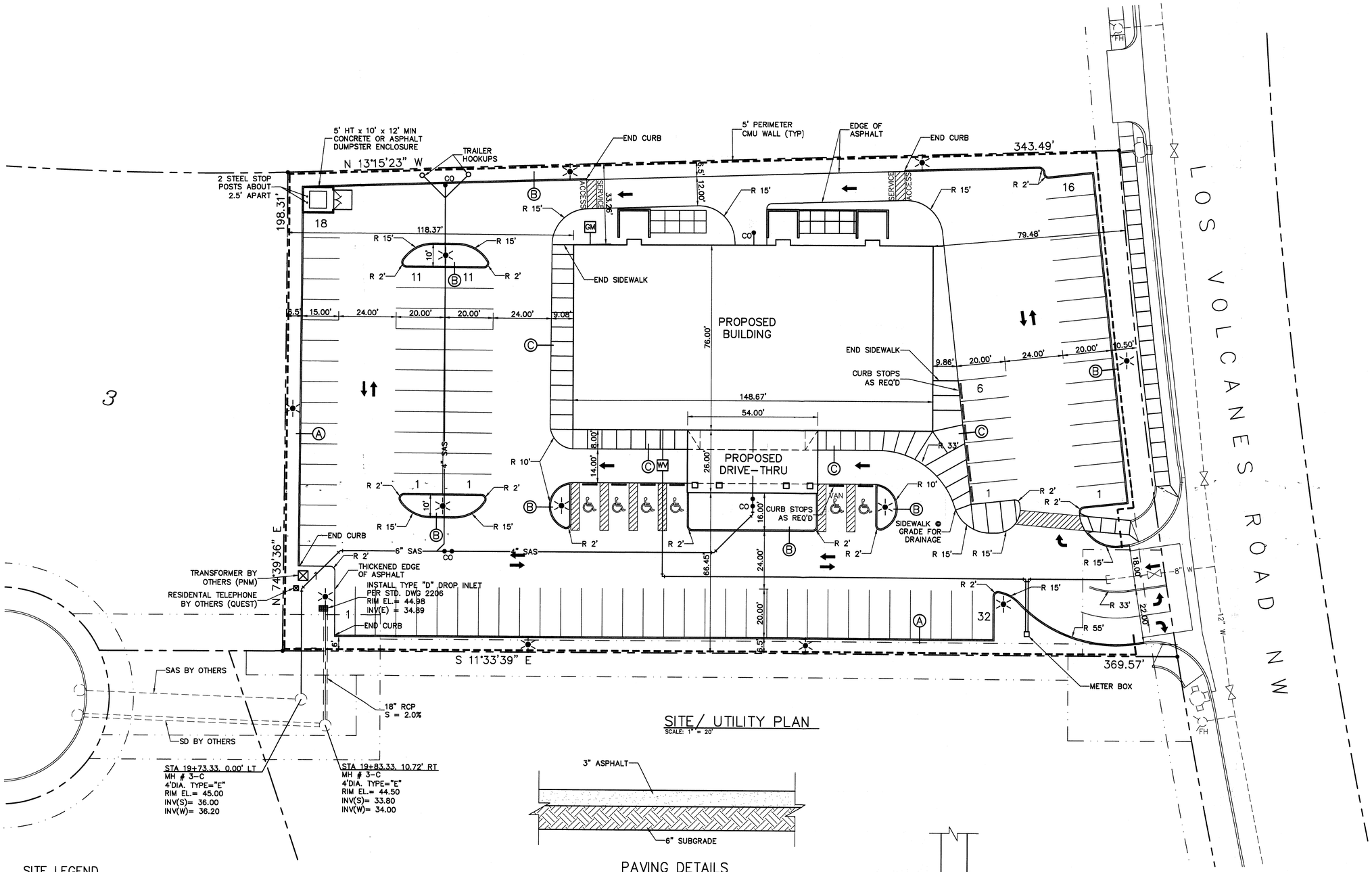
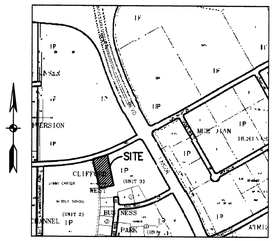


SITE / UTILITY PLAN
SCALE: 1" = 20'



VICINITY MAP K-9
SCALE: APPROX 1" = 60'

BENCH MARK
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X=357375.04
G-G=0.99967738
△α= -00°16'27"
CENTRAL ZONE
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PARKING SPACES
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PARKING PROVIDED - 100
HANDICAP REQUIRED - 4
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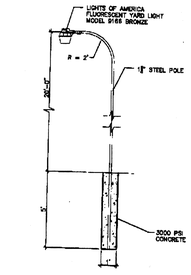


STREET LIGHT - SINGLE
SCALE: 3/8" = 1'-0"

RECEIVED
SEP 14 2004
HYDROLOGY SECTION

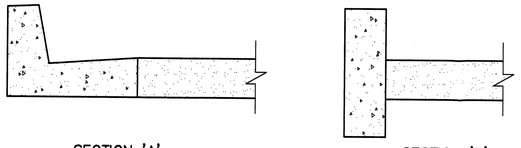
0 10' 20' 40' 60'
SCALE: 1"=20'

SITE LEGEND

EXISTING	PROPOSED	FUTURE	
			EASEMENT LINE
			PROPERTY LINE
			CURB & GUTTER
			WHEEL CHAIR RAMP
			4' SIDEWALK
12" W	1 1/2" W		STRUCTURE WATERLINE
	6" SAS		SEWER LINE
	18" SD	FUTURE 18" SD	STORM DRAIN LINE
			DROP INLET
			PARKING LOT LIGHT

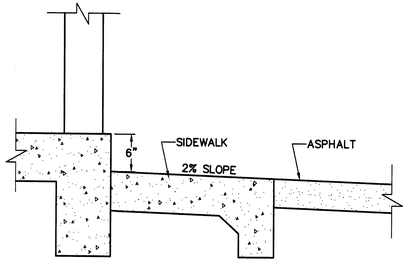
PAVING DETAILS
SCALE: NTS

CURB DETAILS
SCALE: NTS



SECTION 'A'

SECTION 'B'



SECTION 'C'

LYLE C. LOSACK NEW MEXICO 14925 REGISTERED PROFESSIONAL ENGINEER
9/14/04
ENGINEER'S SEAL

OWNER: JEHOVAH WITNESS - KINGDOM HALL
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